

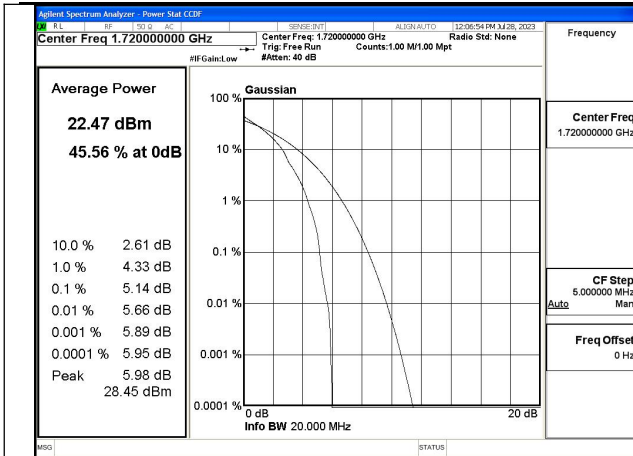


Fig.91

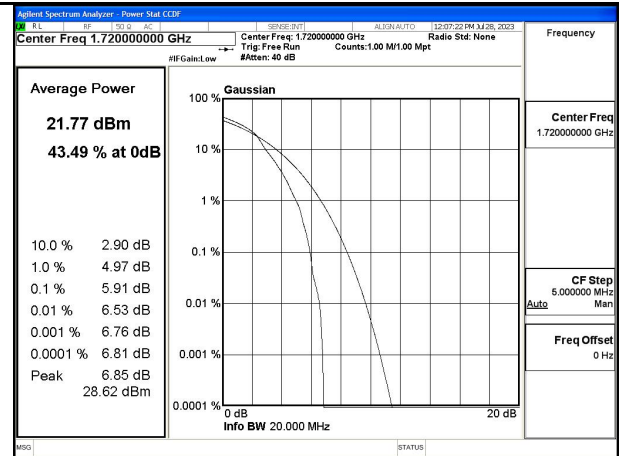


Fig.92

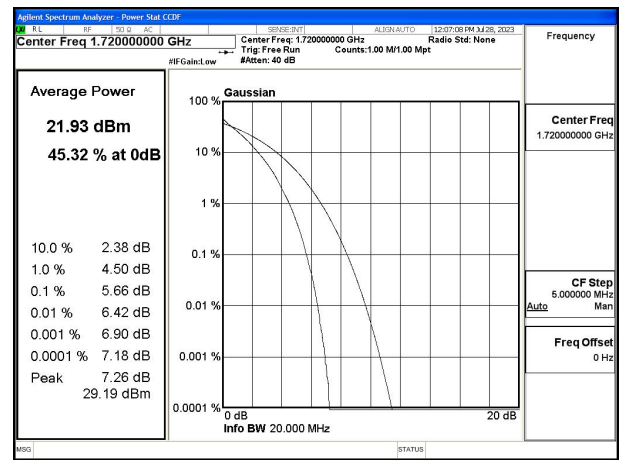
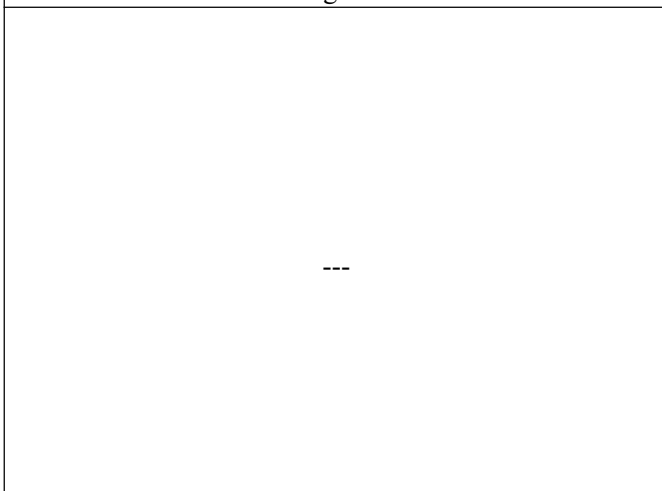


Fig.94

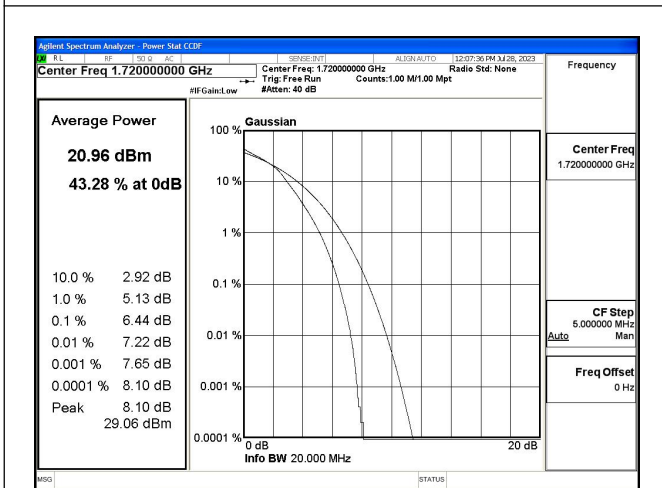
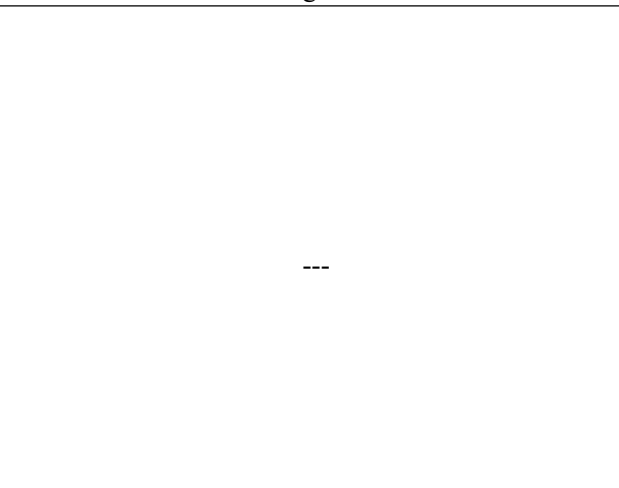


Fig.95



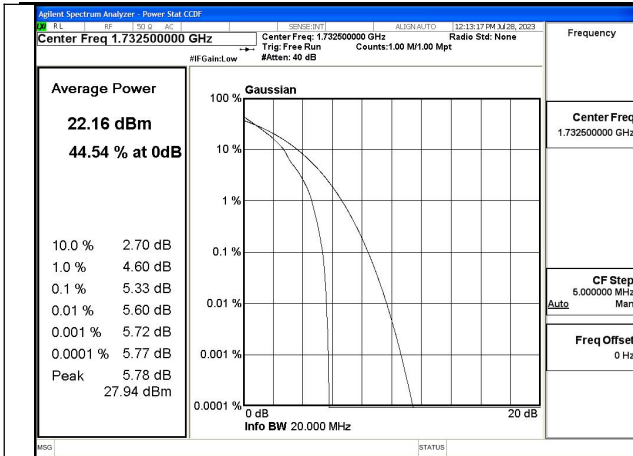


Fig.97

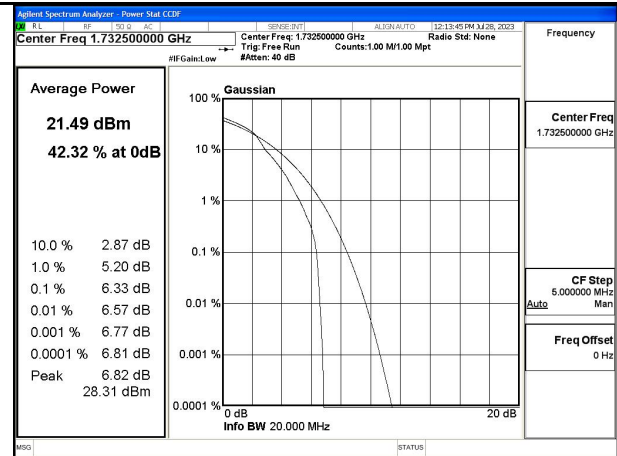


Fig.98

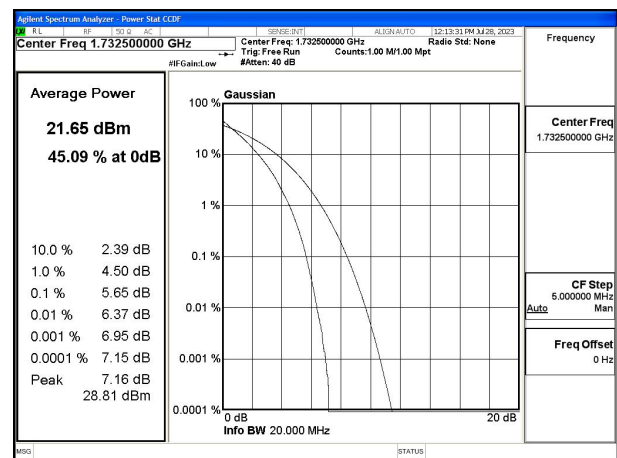


Fig.100

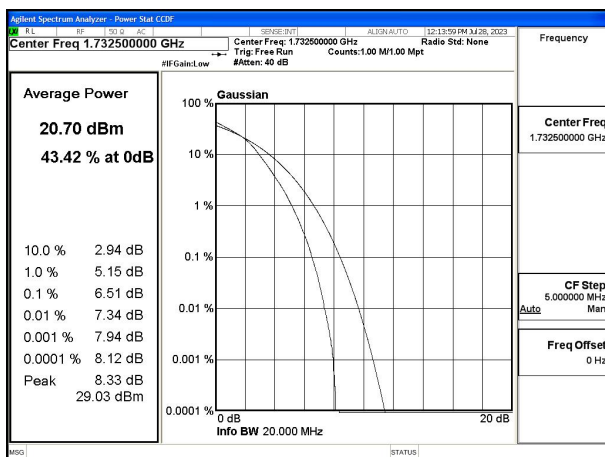


Fig.101

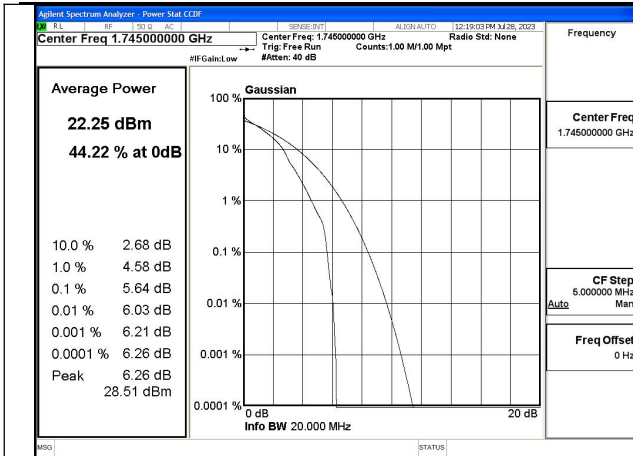


Fig.103

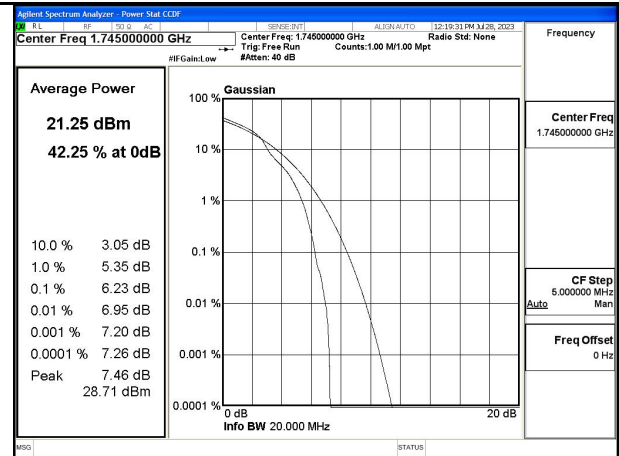


Fig.104

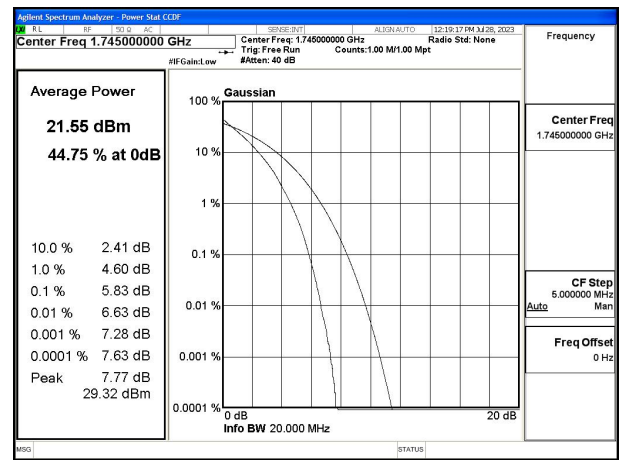
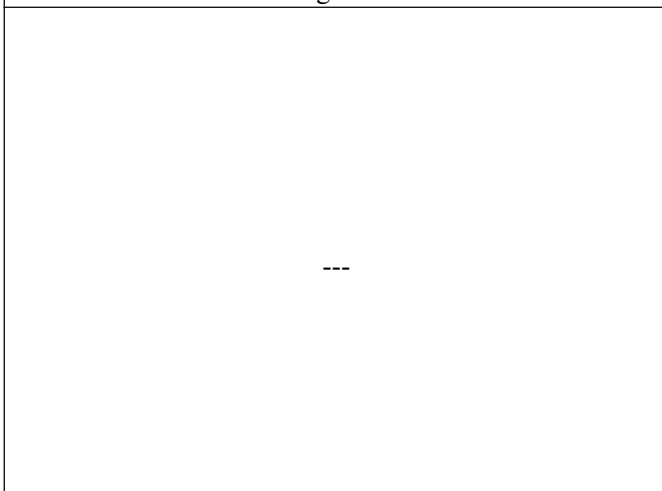


Fig.106

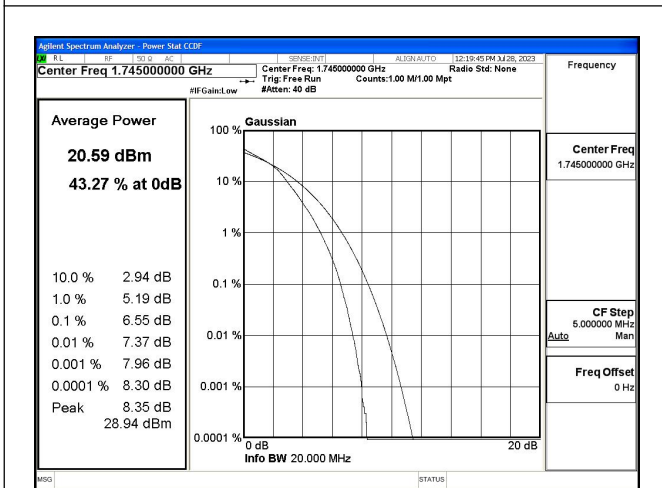
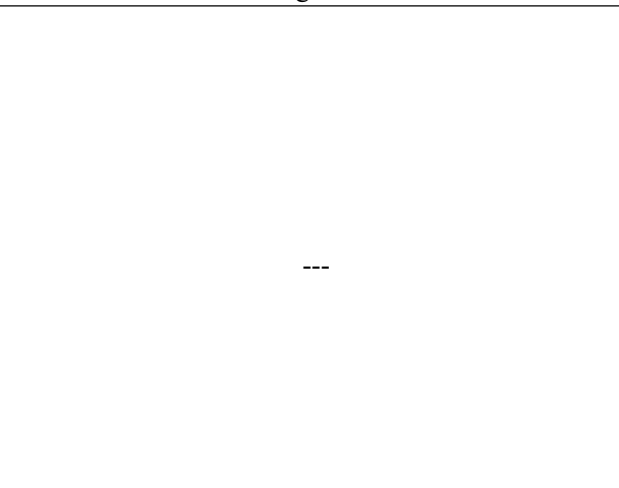


Fig.107



## 5 Spurious Emissions at antenna terminal

| Band | Carrier frequency (MHz) | Channel | BW | RB Size | RB Offset | Conducted Spurious Plot |
|------|-------------------------|---------|----|---------|-----------|-------------------------|
|      |                         |         |    |         |           | QPSK                    |
| 4    | 1720                    | 20050   | 20 | 1       | 0         | Fig.1                   |
| 4    | 1732.5                  | 20175   | 20 | 1       | 0         | Fig.2                   |
| 4    | 1745                    | 20300   | 20 | 1       | 0         | Fig.3                   |

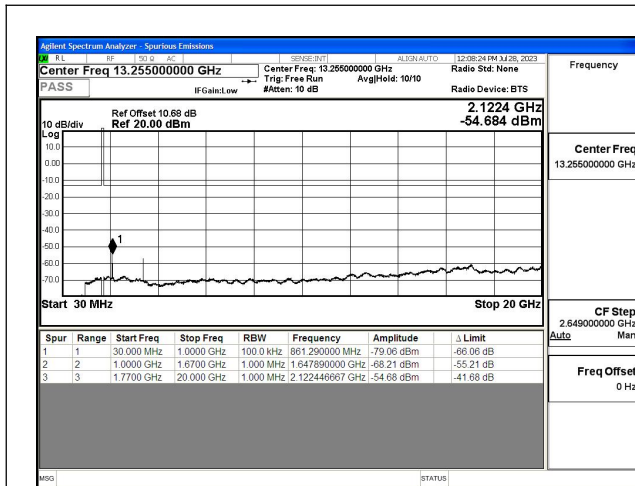


Fig.1

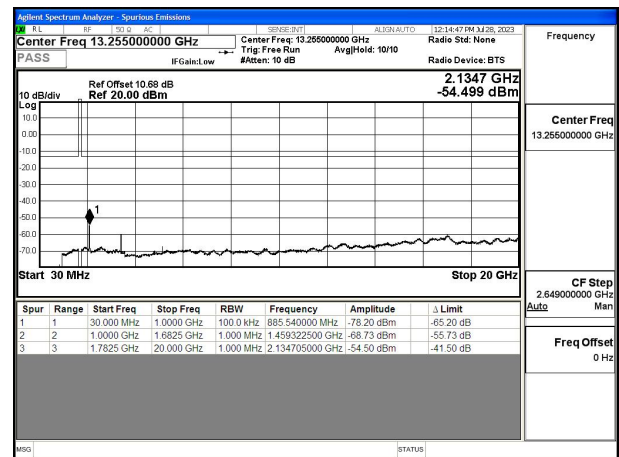


Fig.2

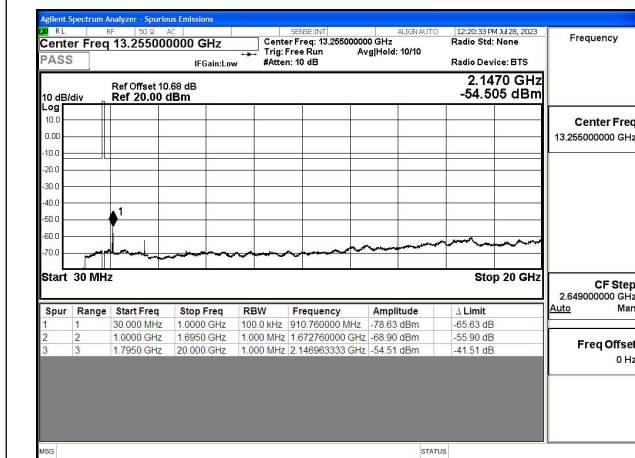


Fig.3

## 6 Band Edges Compliance

| Band | Mode | Carrier frequency (MHz) | Channel | BW  | RB Size | RB Offset | Band Edges Plot |
|------|------|-------------------------|---------|-----|---------|-----------|-----------------|
| 4    | QPSK | 1710.7                  | 19957   | 1.4 | 1       | 0         | Fig.1           |
| 4    | QPSK | 1710.7                  | 19957   | 1.4 | 6       | 0         | Fig.2           |
| 4    | QPSK | 1754.3                  | 20393   | 1.4 | 1       | 5         | Fig.3           |
| 4    | QPSK | 1754.3                  | 20393   | 1.4 | 6       | 0         | Fig.4           |
| 4    | QPSK | 1711.5                  | 19965   | 3   | 1       | 0         | Fig.5           |
| 4    | QPSK | 1711.5                  | 19965   | 3   | 15      | 0         | Fig.6           |
| 4    | QPSK | 1753.5                  | 20385   | 3   | 1       | 14        | Fig.7           |
| 4    | QPSK | 1753.5                  | 20385   | 3   | 15      | 0         | Fig.8           |
| 4    | QPSK | 1712.5                  | 19975   | 5   | 1       | 0         | Fig.9           |
| 4    | QPSK | 1712.5                  | 19975   | 5   | 25      | 0         | Fig.10          |
| 4    | QPSK | 1752.5                  | 20375   | 5   | 1       | 24        | Fig.11          |
| 4    | QPSK | 1752.5                  | 20375   | 5   | 25      | 0         | Fig.12          |
| 4    | QPSK | 1715                    | 20000   | 10  | 1       | 0         | Fig.13          |
| 4    | QPSK | 1715                    | 20000   | 10  | 50      | 0         | Fig.14          |
| 4    | QPSK | 1750                    | 20350   | 10  | 1       | 49        | Fig.15          |
| 4    | QPSK | 1750                    | 20350   | 10  | 50      | 0         | Fig.16          |
| 4    | QPSK | 1717.5                  | 20025   | 15  | 1       | 0         | Fig.17          |
| 4    | QPSK | 1717.5                  | 20025   | 15  | 75      | 0         | Fig.18          |
| 4    | QPSK | 1747.5                  | 20325   | 15  | 1       | 74        | Fig.19          |
| 4    | QPSK | 1747.5                  | 20325   | 15  | 75      | 0         | Fig.20          |
| 4    | QPSK | 1720                    | 20050   | 20  | 1       | 0         | Fig.21          |
| 4    | QPSK | 1720                    | 20050   | 20  | 100     | 0         | Fig.22          |
| 4    | QPSK | 1745                    | 20300   | 20  | 1       | 99        | Fig.23          |
| 4    | QPSK | 1745                    | 20300   | 20  | 100     | 0         | Fig.24          |

Test Mode: QPSK

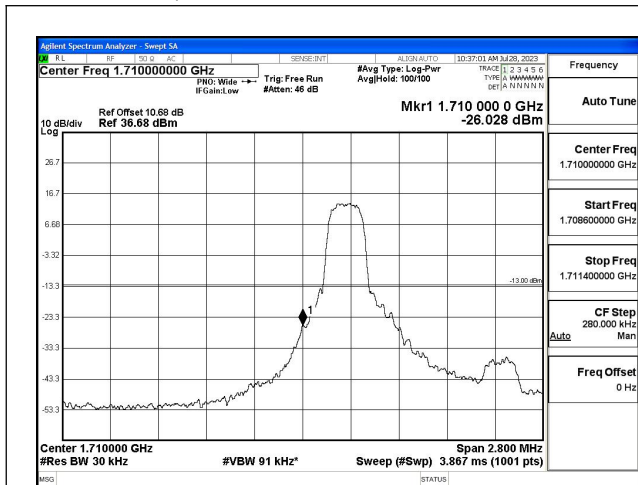


Fig.1

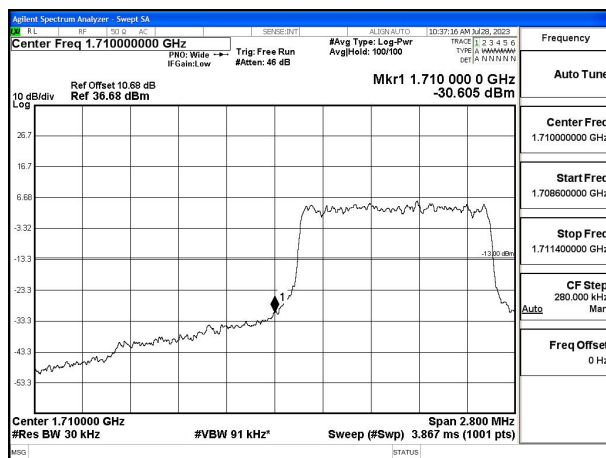


Fig.2

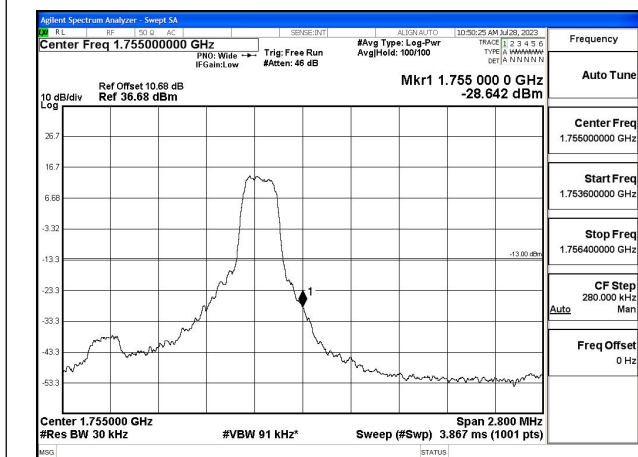


Fig.3

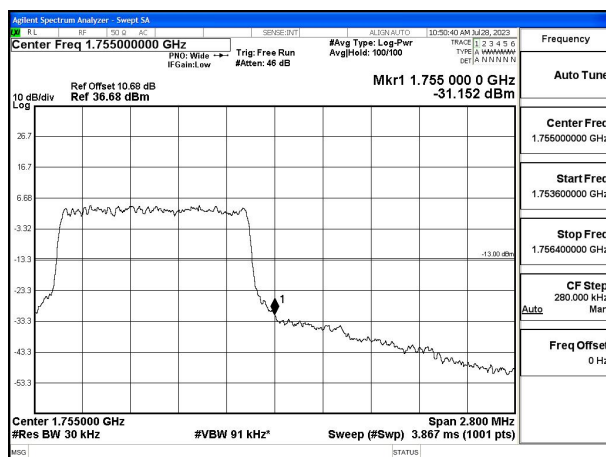


Fig.4

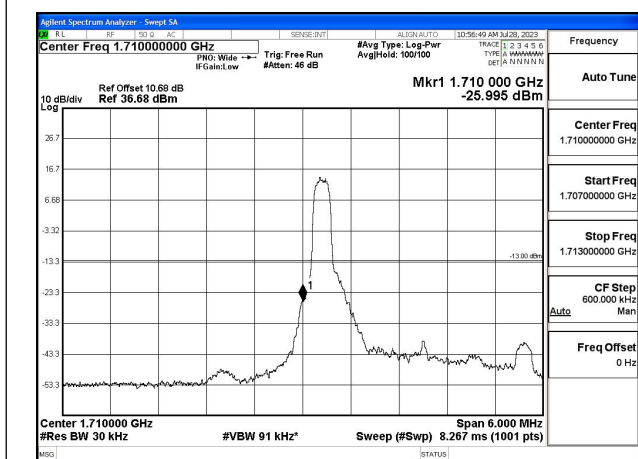


Fig.5

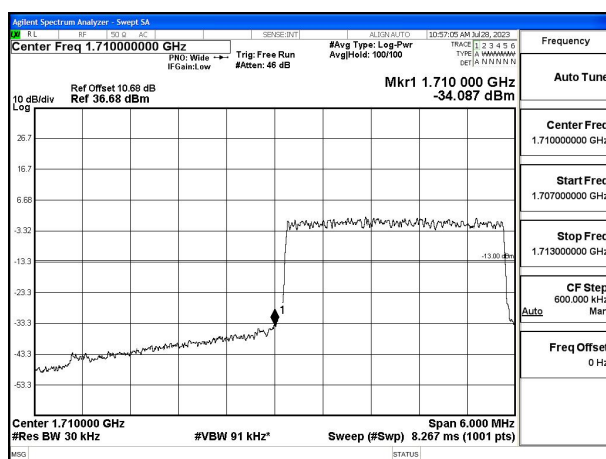


Fig.6

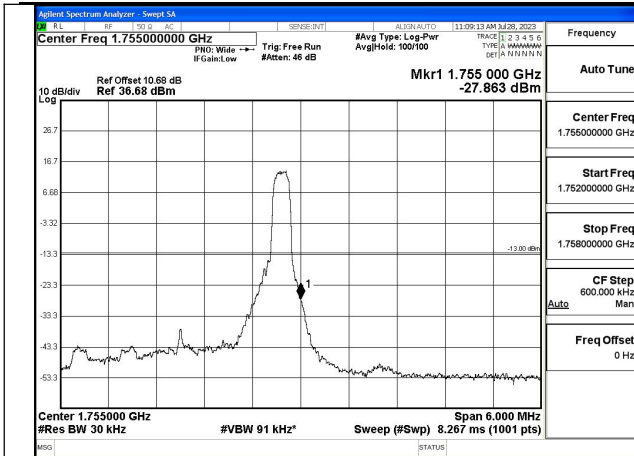


Fig.7

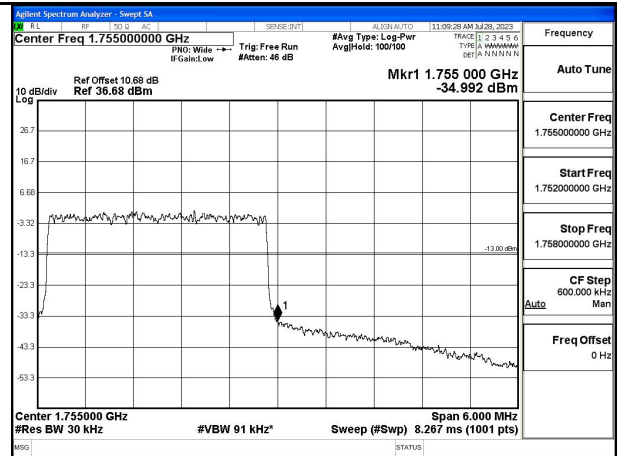


Fig.8

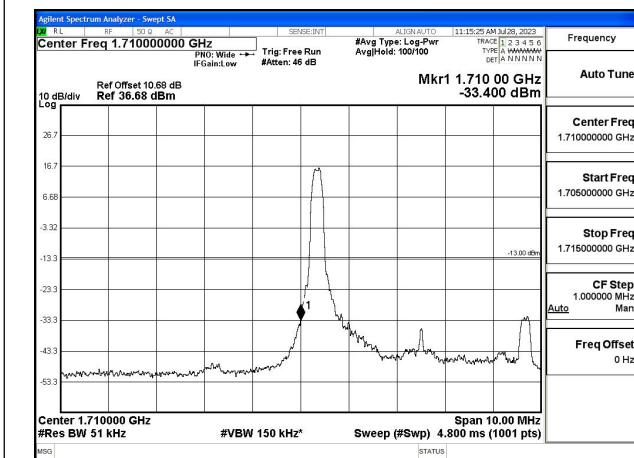


Fig.9

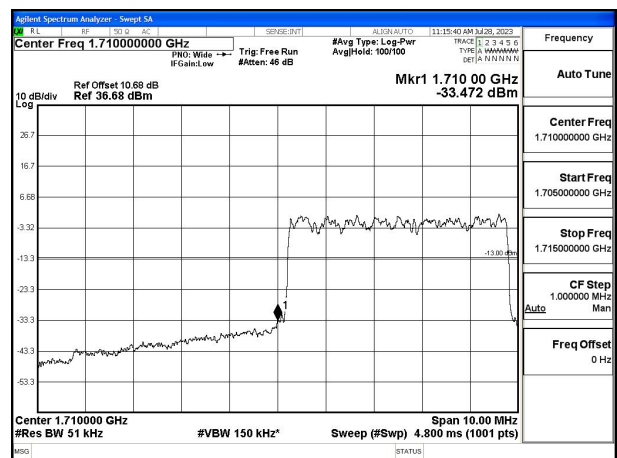


Fig.10

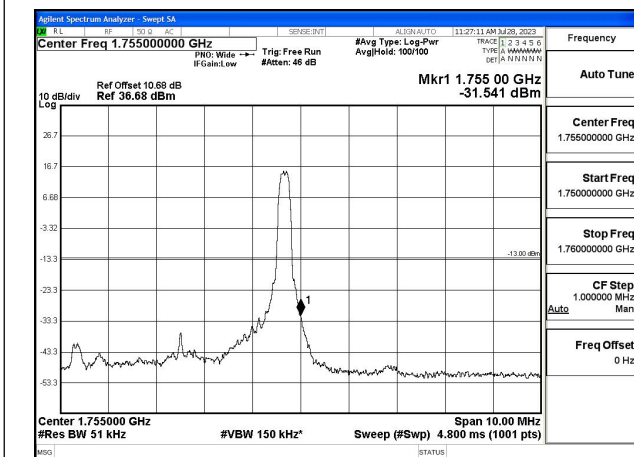


Fig.11

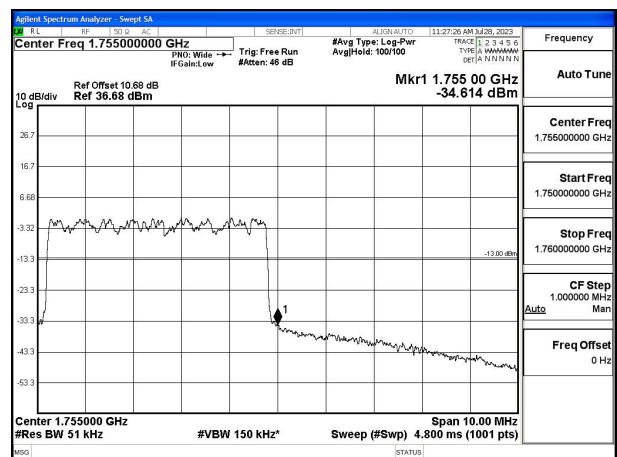


Fig.12

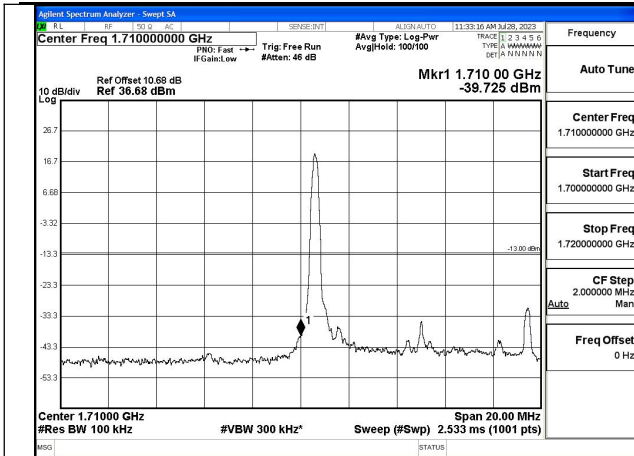


Fig.13

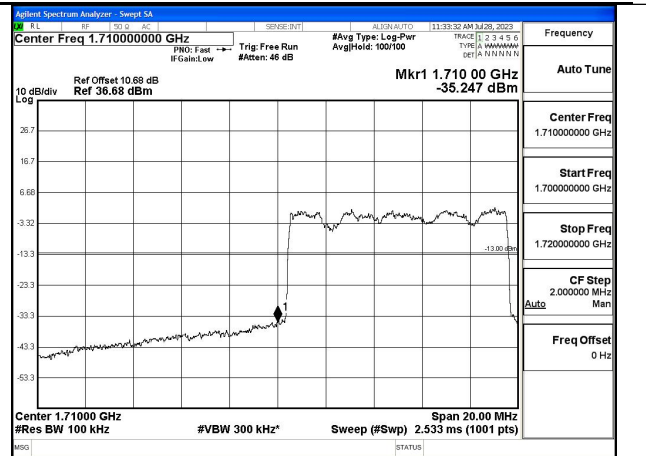


Fig.14

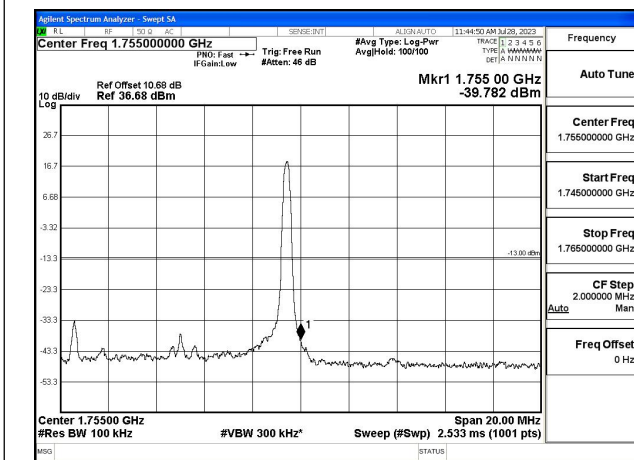


Fig.15

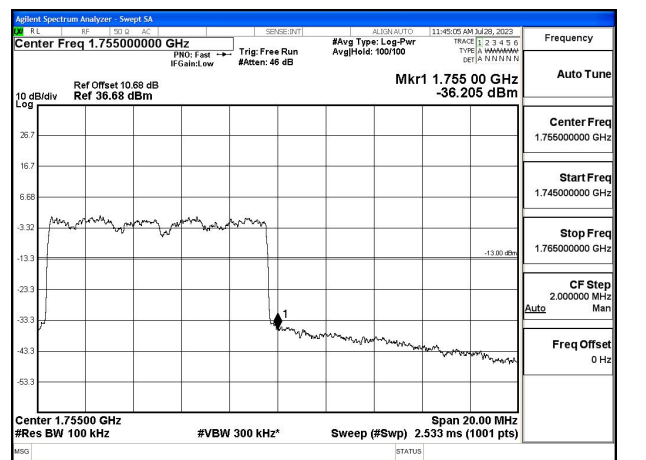


Fig.16

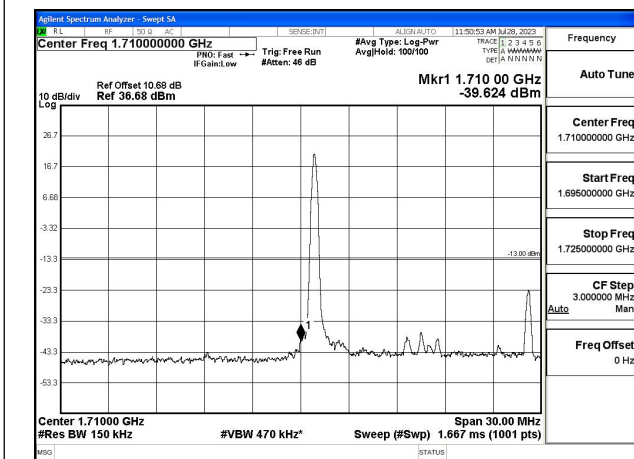


Fig.17

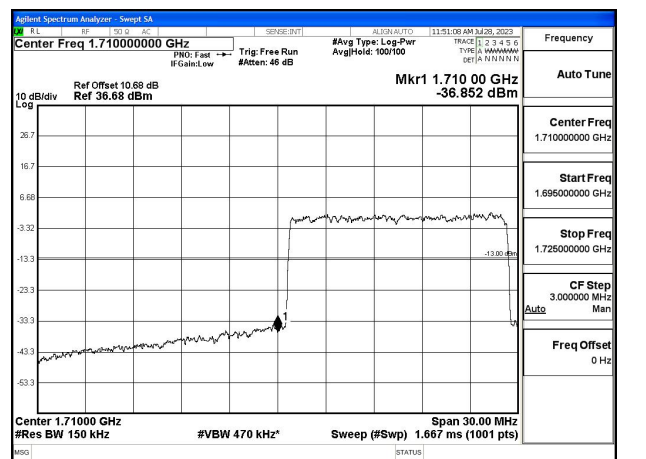


Fig.18

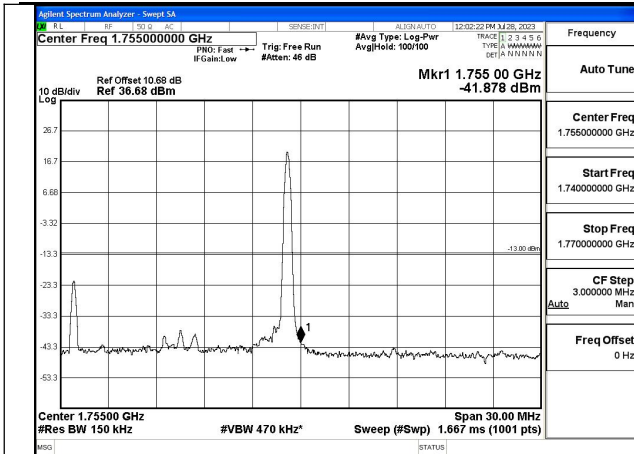


Fig.19

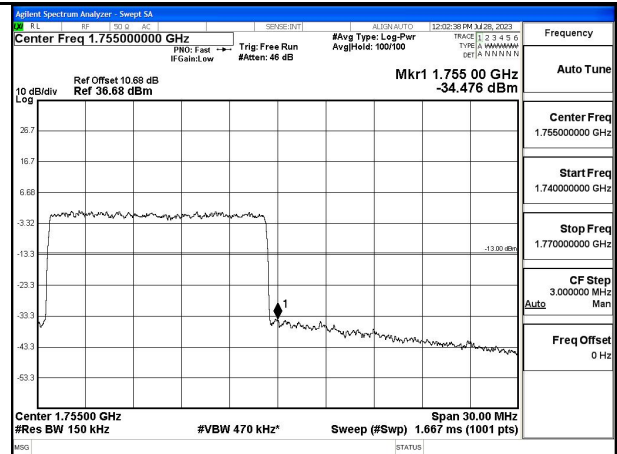


Fig.20

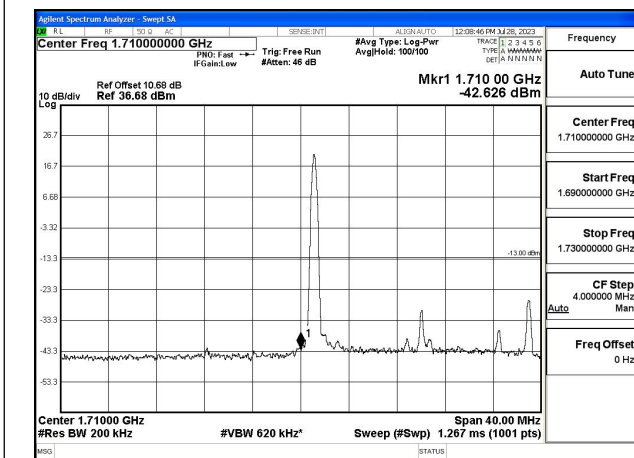


Fig.21

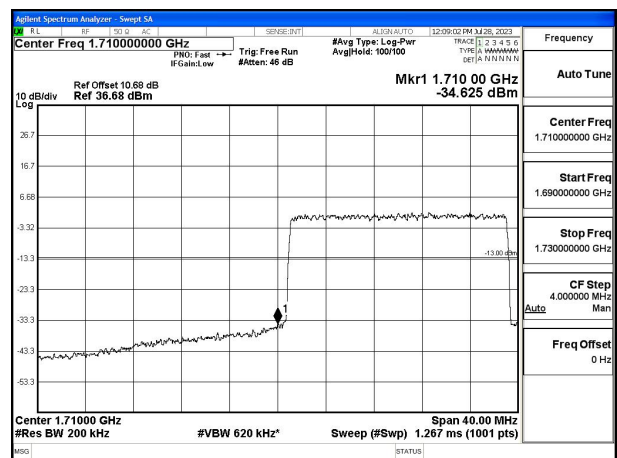


Fig.22

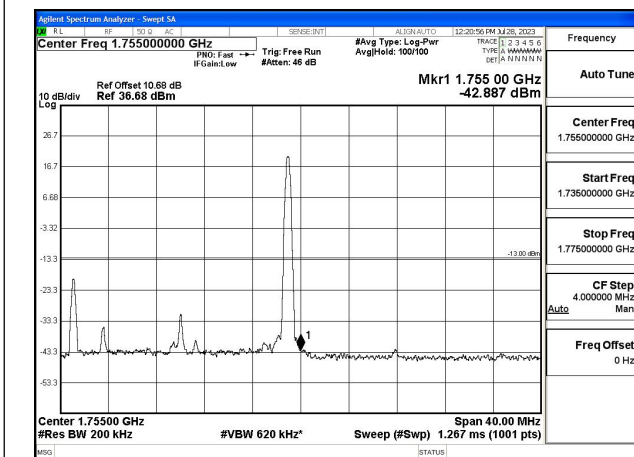


Fig.23

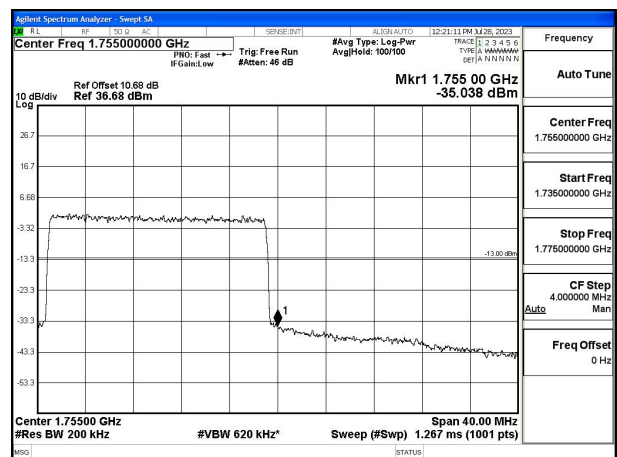


Fig.24

## 7 Frequency Stability

| Temperature(°C) | Voltage | Test Result (ppm) Band 4 Low Channel QPSK |        |        |        |        |        |
|-----------------|---------|-------------------------------------------|--------|--------|--------|--------|--------|
|                 |         | 1.4M                                      | 3M     | 5M     | 10M    | 15M    | 20M    |
| -10             | NV      | 0.004                                     | -0.006 | -0.007 | -0.007 | -0.002 | -0.003 |
| 0               | NV      | -0.007                                    | -0.005 | -0.004 | -0.002 | 0.000  | -0.007 |
| +10             | NV      | -0.006                                    | -0.004 | -0.006 | -0.005 | -0.005 | -0.008 |
| +20             | NV      | -0.006                                    | 0.002  | -0.004 | -0.003 | -0.001 | -0.005 |
| +30             | NV      | -0.008                                    | -0.004 | -0.005 | 0.001  | -0.007 | -0.006 |
| +40             | NV      | -0.007                                    | -0.005 | -0.008 | -0.004 | -0.002 | -0.008 |
| +50             | NV      | -0.008                                    | 0.004  | -0.006 | -0.004 | -0.004 | -0.005 |
| +55             | NV      | -0.002                                    | -0.006 | -0.005 | -0.003 | -0.005 | -0.008 |
| +20             | LV      | -0.003                                    | -0.004 | -0.004 | -0.009 | -0.003 | -0.007 |
| +20             | HV      | -0.007                                    | -0.006 | -0.005 | -0.006 | 0.002  | -0.007 |

| Temperature(°C) | Voltage | Test Result (ppm) Band 4 High Channel QPSK |        |        |        |        |        |
|-----------------|---------|--------------------------------------------|--------|--------|--------|--------|--------|
|                 |         | 1.4M                                       | 3M     | 5M     | 10M    | 15M    | 20M    |
| -10             | NV      | -0.007                                     | -0.002 | -0.002 | -0.009 | -0.007 | -0.004 |
| 0               | NV      | -0.005                                     | -0.006 | -0.006 | -0.005 | -0.006 | -0.004 |
| +10             | NV      | -0.007                                     | -0.005 | -0.007 | -0.001 | -0.007 | 0.001  |
| +20             | NV      | -0.005                                     | -0.008 | -0.003 | -0.005 | -0.005 | -0.007 |
| +30             | NV      | -0.007                                     | -0.007 | -0.005 | -0.006 | -0.005 | -0.003 |
| +40             | NV      | -0.007                                     | -0.012 | -0.007 | -0.006 | -0.007 | -0.003 |
| +50             | NV      | -0.003                                     | -0.005 | -0.010 | -0.006 | -0.002 | -0.007 |
| +55             | NV      | -0.004                                     | -0.006 | -0.006 | -0.007 | -0.006 | -0.005 |
| +20             | LV      | -0.006                                     | -0.007 | -0.004 | -0.004 | -0.006 | -0.006 |
| +20             | HV      | -0.007                                     | -0.008 | -0.009 | -0.006 | -0.008 | -0.001 |

## 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       | 1710.7                  | 19957      | 1.4 | 1       | 0         | 23.00                 | 21.90           | 0.155         |
| QPSK       | 1710.7                  | 19957      | 1.4 | 1       | 3         | 23.11                 | 22.01           | 0.159         |
| QPSK       | 1710.7                  | 19957      | 1.4 | 1       | 5         | 23.08                 | 21.98           | 0.158         |
| QPSK       | 1710.7                  | 19957      | 1.4 | 3       | 0         | 23.13                 | 22.03           | 0.160         |
| QPSK       | 1710.7                  | 19957      | 1.4 | 3       | 1         | 23.26                 | 22.16           | 0.164         |
| QPSK       | 1710.7                  | 19957      | 1.4 | 3       | 3         | 23.17                 | 22.07           | 0.161         |
| QPSK       | 1710.7                  | 19957      | 1.4 | 6       | 0         | 22.09                 | 20.99           | 0.126         |
| QPSK       | 1732.5                  | 20175      | 1.4 | 1       | 0         | 22.90                 | 21.80           | 0.151         |
| QPSK       | 1732.5                  | 20175      | 1.4 | 1       | 3         | 23.07                 | 21.97           | 0.157         |
| QPSK       | 1732.5                  | 20175      | 1.4 | 1       | 5         | 22.92                 | 21.82           | 0.152         |
| QPSK       | 1732.5                  | 20175      | 1.4 | 3       | 0         | 22.95                 | 21.85           | 0.153         |
| QPSK       | 1732.5                  | 20175      | 1.4 | 3       | 1         | 23.09                 | 21.99           | 0.158         |
| QPSK       | 1732.5                  | 20175      | 1.4 | 3       | 3         | 23.09                 | 21.99           | 0.158         |
| QPSK       | 1732.5                  | 20175      | 1.4 | 6       | 0         | 22.03                 | 20.93           | 0.124         |
| QPSK       | 1754.3                  | 20393      | 1.4 | 1       | 0         | 23.02                 | 21.92           | 0.156         |
| QPSK       | 1754.3                  | 20393      | 1.4 | 1       | 3         | 23.14                 | 22.04           | 0.160         |
| QPSK       | 1754.3                  | 20393      | 1.4 | 1       | 5         | 22.99                 | 21.89           | 0.155         |
| QPSK       | 1754.3                  | 20393      | 1.4 | 3       | 0         | 23.07                 | 21.97           | 0.157         |
| QPSK       | 1754.3                  | 20393      | 1.4 | 3       | 1         | 23.11                 | 22.01           | 0.159         |
| QPSK       | 1754.3                  | 20393      | 1.4 | 3       | 3         | 22.95                 | 21.85           | 0.153         |
| QPSK       | 1754.3                  | 20393      | 1.4 | 6       | 0         | 22.09                 | 20.99           | 0.126         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW  | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|-----------------|---------------|
| 16QAM      | 1710.7                  | 19957      | 1.4 | 1       | 0         | 22.06                 | 20.96           | 0.125         |
| 16QAM      | 1710.7                  | 19957      | 1.4 | 1       | 3         | 22.33                 | 21.23           | 0.133         |
| 16QAM      | 1710.7                  | 19957      | 1.4 | 1       | 5         | 22.10                 | 21.00           | 0.126         |
| 16QAM      | 1710.7                  | 19957      | 1.4 | 3       | 0         | 22.24                 | 21.14           | 0.130         |
| 16QAM      | 1710.7                  | 19957      | 1.4 | 3       | 1         | 22.29                 | 21.19           | 0.132         |
| 16QAM      | 1710.7                  | 19957      | 1.4 | 3       | 3         | 22.26                 | 21.16           | 0.131         |
| 16QAM      | 1710.7                  | 19957      | 1.4 | 6       | 0         | 21.36                 | 20.26           | 0.106         |
| 16QAM      | 1732.5                  | 20175      | 1.4 | 1       | 0         | 22.19                 | 21.09           | 0.129         |
| 16QAM      | 1732.5                  | 20175      | 1.4 | 1       | 3         | 22.30                 | 21.20           | 0.132         |
| 16QAM      | 1732.5                  | 20175      | 1.4 | 1       | 5         | 22.23                 | 21.13           | 0.130         |
| 16QAM      | 1732.5                  | 20175      | 1.4 | 3       | 0         | 22.03                 | 20.93           | 0.124         |
| 16QAM      | 1732.5                  | 20175      | 1.4 | 3       | 1         | 22.19                 | 21.09           | 0.129         |
| 16QAM      | 1732.5                  | 20175      | 1.4 | 3       | 3         | 22.13                 | 21.03           | 0.127         |
| 16QAM      | 1732.5                  | 20175      | 1.4 | 6       | 0         | 21.05                 | 19.95           | 0.099         |
| 16QAM      | 1754.3                  | 20393      | 1.4 | 1       | 0         | 22.22                 | 21.12           | 0.129         |
| 16QAM      | 1754.3                  | 20393      | 1.4 | 1       | 3         | 22.51                 | 21.41           | 0.138         |
| 16QAM      | 1754.3                  | 20393      | 1.4 | 1       | 5         | 22.27                 | 21.17           | 0.131         |

|       |        |       |     |   |   |       |       |       |
|-------|--------|-------|-----|---|---|-------|-------|-------|
| 16QAM | 1754.3 | 20393 | 1.4 | 3 | 0 | 22.06 | 20.96 | 0.125 |
| 16QAM | 1754.3 | 20393 | 1.4 | 3 | 1 | 22.04 | 20.94 | 0.124 |
| 16QAM | 1754.3 | 20393 | 1.4 | 3 | 3 | 22.01 | 20.91 | 0.123 |
| 16QAM | 1754.3 | 20393 | 1.4 | 6 | 0 | 21.16 | 20.06 | 0.101 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| QPSK       | 1711.5                  | 19965      | 3  | 1       | 0         | 22.95                 | 21.85           | 0.153         |
| QPSK       | 1711.5                  | 19965      | 3  | 1       | 8         | 22.90                 | 21.80           | 0.151         |
| QPSK       | 1711.5                  | 19965      | 3  | 1       | 14        | 23.02                 | 21.92           | 0.156         |
| QPSK       | 1711.5                  | 19965      | 3  | 8       | 0         | 21.98                 | 20.88           | 0.122         |
| QPSK       | 1711.5                  | 19965      | 3  | 8       | 4         | 22.01                 | 20.91           | 0.123         |
| QPSK       | 1711.5                  | 19965      | 3  | 8       | 7         | 21.98                 | 20.88           | 0.122         |
| QPSK       | 1711.5                  | 19965      | 3  | 15      | 0         | 21.99                 | 20.89           | 0.123         |
| QPSK       | 1732.5                  | 20175      | 3  | 1       | 0         | 22.82                 | 21.72           | 0.149         |
| QPSK       | 1732.5                  | 20175      | 3  | 1       | 8         | 22.87                 | 21.77           | 0.150         |
| QPSK       | 1732.5                  | 20175      | 3  | 1       | 14        | 22.80                 | 21.70           | 0.148         |
| QPSK       | 1732.5                  | 20175      | 3  | 8       | 0         | 21.85                 | 20.75           | 0.119         |
| QPSK       | 1732.5                  | 20175      | 3  | 8       | 4         | 22.03                 | 20.93           | 0.124         |
| QPSK       | 1732.5                  | 20175      | 3  | 8       | 7         | 21.89                 | 20.79           | 0.120         |
| QPSK       | 1732.5                  | 20175      | 3  | 15      | 0         | 21.90                 | 20.80           | 0.120         |
| QPSK       | 1753.5                  | 20385      | 3  | 1       | 0         | 23.01                 | 21.91           | 0.155         |
| QPSK       | 1753.5                  | 20385      | 3  | 1       | 8         | 22.94                 | 21.84           | 0.153         |
| QPSK       | 1753.5                  | 20385      | 3  | 1       | 14        | 23.01                 | 21.91           | 0.155         |
| QPSK       | 1753.5                  | 20385      | 3  | 8       | 0         | 22.00                 | 20.90           | 0.123         |
| QPSK       | 1753.5                  | 20385      | 3  | 8       | 4         | 22.01                 | 20.91           | 0.123         |
| QPSK       | 1753.5                  | 20385      | 3  | 8       | 7         | 21.95                 | 20.85           | 0.122         |
| QPSK       | 1753.5                  | 20385      | 3  | 15      | 0         | 21.96                 | 20.86           | 0.122         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| 16QAM      | 1711.5                  | 19965      | 3  | 1       | 0         | 22.55                 | 21.45           | 0.140         |
| 16QAM      | 1711.5                  | 19965      | 3  | 1       | 8         | 22.63                 | 21.53           | 0.142         |
| 16QAM      | 1711.5                  | 19965      | 3  | 1       | 14        | 22.64                 | 21.54           | 0.143         |
| 16QAM      | 1711.5                  | 19965      | 3  | 8       | 0         | 21.09                 | 19.99           | 0.100         |
| 16QAM      | 1711.5                  | 19965      | 3  | 8       | 4         | 21.13                 | 20.03           | 0.101         |
| 16QAM      | 1711.5                  | 19965      | 3  | 8       | 7         | 21.06                 | 19.96           | 0.099         |
| 16QAM      | 1711.5                  | 19965      | 3  | 15      | 0         | 21.11                 | 20.01           | 0.100         |
| 16QAM      | 1732.5                  | 20175      | 3  | 1       | 0         | 22.13                 | 21.03           | 0.127         |
| 16QAM      | 1732.5                  | 20175      | 3  | 1       | 8         | 22.11                 | 21.01           | 0.126         |
| 16QAM      | 1732.5                  | 20175      | 3  | 1       | 14        | 22.06                 | 20.96           | 0.125         |
| 16QAM      | 1732.5                  | 20175      | 3  | 8       | 0         | 20.83                 | 19.73           | 0.094         |
| 16QAM      | 1732.5                  | 20175      | 3  | 8       | 4         | 20.89                 | 19.79           | 0.095         |
| 16QAM      | 1732.5                  | 20175      | 3  | 8       | 7         | 20.81                 | 19.71           | 0.094         |
| 16QAM      | 1732.5                  | 20175      | 3  | 15      | 0         | 20.95                 | 19.85           | 0.097         |
| 16QAM      | 1753.5                  | 20385      | 3  | 1       | 0         | 22.29                 | 21.19           | 0.132         |
| 16QAM      | 1753.5                  | 20385      | 3  | 1       | 8         | 22.15                 | 21.05           | 0.127         |
| 16QAM      | 1753.5                  | 20385      | 3  | 1       | 14        | 22.24                 | 21.14           | 0.130         |
| 16QAM      | 1753.5                  | 20385      | 3  | 8       | 0         | 21.02                 | 19.92           | 0.098         |
| 16QAM      | 1753.5                  | 20385      | 3  | 8       | 4         | 21.03                 | 19.93           | 0.098         |
| 16QAM      | 1753.5                  | 20385      | 3  | 8       | 7         | 20.98                 | 19.88           | 0.097         |
| 16QAM      | 1753.5                  | 20385      | 3  | 15      | 0         | 21.07                 | 19.97           | 0.099         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| QPSK       | 1712.5                  | 19975      | 5  | 1       | 0         | 22.75                 | 21.65           | 0.146         |
| QPSK       | 1712.5                  | 19975      | 5  | 1       | 12        | 23.09                 | 21.99           | 0.158         |
| QPSK       | 1712.5                  | 19975      | 5  | 1       | 24        | 22.73                 | 21.63           | 0.146         |
| QPSK       | 1712.5                  | 19975      | 5  | 12      | 0         | 21.85                 | 20.75           | 0.119         |
| QPSK       | 1712.5                  | 19975      | 5  | 12      | 7         | 22.04                 | 20.94           | 0.124         |
| QPSK       | 1712.5                  | 19975      | 5  | 12      | 13        | 21.95                 | 20.85           | 0.122         |
| QPSK       | 1712.5                  | 19975      | 5  | 25      | 0         | 21.96                 | 20.86           | 0.122         |
| QPSK       | 1732.5                  | 20175      | 5  | 1       | 0         | 22.74                 | 21.64           | 0.146         |
| QPSK       | 1732.5                  | 20175      | 5  | 1       | 12        | 23.01                 | 21.91           | 0.155         |
| QPSK       | 1732.5                  | 20175      | 5  | 1       | 24        | 22.71                 | 21.61           | 0.145         |
| QPSK       | 1732.5                  | 20175      | 5  | 12      | 0         | 21.90                 | 20.80           | 0.120         |
| QPSK       | 1732.5                  | 20175      | 5  | 12      | 7         | 21.88                 | 20.78           | 0.120         |
| QPSK       | 1732.5                  | 20175      | 5  | 12      | 13        | 21.87                 | 20.77           | 0.119         |
| QPSK       | 1732.5                  | 20175      | 5  | 25      | 0         | 21.93                 | 20.83           | 0.121         |
| QPSK       | 1752.5                  | 20375      | 5  | 1       | 0         | 22.82                 | 21.72           | 0.149         |
| QPSK       | 1752.5                  | 20375      | 5  | 1       | 12        | 23.14                 | 22.04           | 0.160         |
| QPSK       | 1752.5                  | 20375      | 5  | 1       | 24        | 22.86                 | 21.76           | 0.150         |
| QPSK       | 1752.5                  | 20375      | 5  | 12      | 0         | 21.93                 | 20.83           | 0.121         |
| QPSK       | 1752.5                  | 20375      | 5  | 12      | 7         | 22.10                 | 21.00           | 0.126         |
| QPSK       | 1752.5                  | 20375      | 5  | 12      | 13        | 22.00                 | 20.90           | 0.123         |
| QPSK       | 1752.5                  | 20375      | 5  | 25      | 0         | 21.92                 | 20.82           | 0.121         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| 16QAM      | 1712.5                  | 19975      | 5  | 1       | 0         | 21.94                 | 20.84           | 0.121         |
| 16QAM      | 1712.5                  | 19975      | 5  | 1       | 12        | 22.28                 | 21.18           | 0.131         |
| 16QAM      | 1712.5                  | 19975      | 5  | 1       | 24        | 22.04                 | 20.94           | 0.124         |
| 16QAM      | 1712.5                  | 19975      | 5  | 12      | 0         | 20.87                 | 19.77           | 0.095         |
| 16QAM      | 1712.5                  | 19975      | 5  | 12      | 7         | 20.94                 | 19.84           | 0.096         |
| 16QAM      | 1712.5                  | 19975      | 5  | 12      | 13        | 20.93                 | 19.83           | 0.096         |
| 16QAM      | 1712.5                  | 19975      | 5  | 25      | 0         | 20.92                 | 19.82           | 0.096         |
| 16QAM      | 1732.5                  | 20175      | 5  | 1       | 0         | 22.13                 | 21.03           | 0.127         |
| 16QAM      | 1732.5                  | 20175      | 5  | 1       | 12        | 22.40                 | 21.30           | 0.135         |
| 16QAM      | 1732.5                  | 20175      | 5  | 1       | 24        | 22.16                 | 21.06           | 0.128         |
| 16QAM      | 1732.5                  | 20175      | 5  | 12      | 0         | 20.89                 | 19.79           | 0.095         |
| 16QAM      | 1732.5                  | 20175      | 5  | 12      | 7         | 20.87                 | 19.77           | 0.095         |
| 16QAM      | 1732.5                  | 20175      | 5  | 12      | 13        | 20.76                 | 19.66           | 0.092         |
| 16QAM      | 1732.5                  | 20175      | 5  | 25      | 0         | 20.89                 | 19.79           | 0.095         |
| 16QAM      | 1752.5                  | 20375      | 5  | 1       | 0         | 22.21                 | 21.11           | 0.129         |
| 16QAM      | 1752.5                  | 20375      | 5  | 1       | 12        | 22.41                 | 21.31           | 0.135         |
| 16QAM      | 1752.5                  | 20375      | 5  | 1       | 24        | 22.16                 | 21.06           | 0.128         |
| 16QAM      | 1752.5                  | 20375      | 5  | 12      | 0         | 20.87                 | 19.77           | 0.095         |
| 16QAM      | 1752.5                  | 20375      | 5  | 12      | 7         | 20.98                 | 19.88           | 0.097         |
| 16QAM      | 1752.5                  | 20375      | 5  | 12      | 13        | 20.99                 | 19.89           | 0.097         |
| 16QAM      | 1752.5                  | 20375      | 5  | 25      | 0         | 21.06                 | 19.96           | 0.099         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| QPSK       | 1715                    | 20000      | 10 | 1       | 0         | 22.83                 | 21.73           | 0.149         |
| QPSK       | 1715                    | 20000      | 10 | 1       | 25        | 23.01                 | 21.91           | 0.155         |
| QPSK       | 1715                    | 20000      | 10 | 1       | 49        | 22.88                 | 21.78           | 0.151         |
| QPSK       | 1715                    | 20000      | 10 | 25      | 0         | 21.94                 | 20.84           | 0.121         |
| QPSK       | 1715                    | 20000      | 10 | 25      | 12        | 21.96                 | 20.86           | 0.122         |
| QPSK       | 1715                    | 20000      | 10 | 25      | 25        | 21.93                 | 20.83           | 0.121         |
| QPSK       | 1715                    | 20000      | 10 | 50      | 0         | 22.01                 | 20.91           | 0.123         |
| QPSK       | 1732.5                  | 20175      | 10 | 1       | 0         | 22.85                 | 21.75           | 0.150         |
| QPSK       | 1732.5                  | 20175      | 10 | 1       | 25        | 22.95                 | 21.85           | 0.153         |
| QPSK       | 1732.5                  | 20175      | 10 | 1       | 49        | 22.92                 | 21.82           | 0.152         |
| QPSK       | 1732.5                  | 20175      | 10 | 25      | 0         | 21.88                 | 20.78           | 0.120         |
| QPSK       | 1732.5                  | 20175      | 10 | 25      | 12        | 21.96                 | 20.86           | 0.122         |
| QPSK       | 1732.5                  | 20175      | 10 | 25      | 25        | 21.92                 | 20.82           | 0.121         |
| QPSK       | 1732.5                  | 20175      | 10 | 50      | 0         | 21.96                 | 20.86           | 0.122         |
| QPSK       | 1750                    | 20350      | 10 | 1       | 0         | 22.87                 | 21.77           | 0.150         |
| QPSK       | 1750                    | 20350      | 10 | 1       | 25        | 23.12                 | 22.02           | 0.159         |
| QPSK       | 1750                    | 20350      | 10 | 1       | 49        | 22.92                 | 21.82           | 0.152         |
| QPSK       | 1750                    | 20350      | 10 | 25      | 0         | 21.99                 | 20.89           | 0.123         |
| QPSK       | 1750                    | 20350      | 10 | 25      | 12        | 21.97                 | 20.87           | 0.122         |
| QPSK       | 1750                    | 20350      | 10 | 25      | 25        | 22.00                 | 20.90           | 0.123         |
| QPSK       | 1750                    | 20350      | 10 | 50      | 0         | 21.95                 | 20.85           | 0.122         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| 16QAM      | 1715                    | 20000      | 10 | 1       | 0         | 22.57                 | 21.47           | 0.140         |
| 16QAM      | 1715                    | 20000      | 10 | 1       | 25        | 22.54                 | 21.44           | 0.139         |
| 16QAM      | 1715                    | 20000      | 10 | 1       | 49        | 22.52                 | 21.42           | 0.139         |
| 16QAM      | 1715                    | 20000      | 10 | 25      | 0         | 20.97                 | 19.87           | 0.097         |
| 16QAM      | 1715                    | 20000      | 10 | 25      | 12        | 21.02                 | 19.92           | 0.098         |
| 16QAM      | 1715                    | 20000      | 10 | 25      | 25        | 21.03                 | 19.93           | 0.098         |
| 16QAM      | 1715                    | 20000      | 10 | 50      | 0         | 21.04                 | 19.94           | 0.099         |
| 16QAM      | 1732.5                  | 20175      | 10 | 1       | 0         | 22.07                 | 20.97           | 0.125         |
| 16QAM      | 1732.5                  | 20175      | 10 | 1       | 25        | 22.25                 | 21.15           | 0.130         |
| 16QAM      | 1732.5                  | 20175      | 10 | 1       | 49        | 22.13                 | 21.03           | 0.127         |
| 16QAM      | 1732.5                  | 20175      | 10 | 25      | 0         | 21.00                 | 19.90           | 0.098         |
| 16QAM      | 1732.5                  | 20175      | 10 | 25      | 12        | 21.02                 | 19.92           | 0.098         |
| 16QAM      | 1732.5                  | 20175      | 10 | 25      | 25        | 20.91                 | 19.81           | 0.096         |
| 16QAM      | 1732.5                  | 20175      | 10 | 50      | 0         | 20.90                 | 19.80           | 0.095         |
| 16QAM      | 1750                    | 20350      | 10 | 1       | 0         | 22.13                 | 21.03           | 0.127         |
| 16QAM      | 1750                    | 20350      | 10 | 1       | 25        | 22.34                 | 21.24           | 0.133         |
| 16QAM      | 1750                    | 20350      | 10 | 1       | 49        | 22.17                 | 21.07           | 0.128         |
| 16QAM      | 1750                    | 20350      | 10 | 25      | 0         | 21.03                 | 19.93           | 0.098         |
| 16QAM      | 1750                    | 20350      | 10 | 25      | 12        | 21.07                 | 19.97           | 0.099         |
| 16QAM      | 1750                    | 20350      | 10 | 25      | 25        | 21.10                 | 20.00           | 0.100         |
| 16QAM      | 1750                    | 20350      | 10 | 50      | 0         | 21.05                 | 19.95           | 0.099         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| QPSK       | 1717.5                  | 20025      | 15 | 1       | 0         | 22.74                 | 21.64           | 0.146         |
| QPSK       | 1717.5                  | 20025      | 15 | 1       | 37        | 22.97                 | 21.87           | 0.154         |
| QPSK       | 1717.5                  | 20025      | 15 | 1       | 74        | 22.68                 | 21.58           | 0.144         |
| QPSK       | 1717.5                  | 20025      | 15 | 36      | 0         | 21.86                 | 20.76           | 0.119         |
| QPSK       | 1717.5                  | 20025      | 15 | 36      | 29        | 21.92                 | 20.82           | 0.121         |
| QPSK       | 1717.5                  | 20025      | 15 | 36      | 30        | 21.89                 | 20.79           | 0.120         |
| QPSK       | 1717.5                  | 20025      | 15 | 75      | 0         | 21.95                 | 20.85           | 0.122         |
| QPSK       | 1732.5                  | 20175      | 15 | 1       | 0         | 22.73                 | 21.63           | 0.146         |
| QPSK       | 1732.5                  | 20175      | 15 | 1       | 37        | 22.92                 | 21.82           | 0.152         |
| QPSK       | 1732.5                  | 20175      | 15 | 1       | 74        | 22.78                 | 21.68           | 0.147         |
| QPSK       | 1732.5                  | 20175      | 15 | 36      | 0         | 21.87                 | 20.77           | 0.119         |
| QPSK       | 1732.5                  | 20175      | 15 | 36      | 29        | 21.84                 | 20.74           | 0.119         |
| QPSK       | 1732.5                  | 20175      | 15 | 36      | 30        | 21.85                 | 20.75           | 0.119         |
| QPSK       | 1732.5                  | 20175      | 15 | 75      | 0         | 21.87                 | 20.77           | 0.119         |
| QPSK       | 1747.5                  | 20325      | 15 | 1       | 0         | 22.76                 | 21.66           | 0.147         |
| QPSK       | 1747.5                  | 20325      | 15 | 1       | 37        | 22.99                 | 21.89           | 0.155         |
| QPSK       | 1747.5                  | 20325      | 15 | 1       | 74        | 22.83                 | 21.73           | 0.149         |
| QPSK       | 1747.5                  | 20325      | 15 | 36      | 0         | 21.97                 | 20.87           | 0.122         |
| QPSK       | 1747.5                  | 20325      | 15 | 36      | 29        | 21.92                 | 20.82           | 0.121         |
| QPSK       | 1747.5                  | 20325      | 15 | 36      | 30        | 21.96                 | 20.86           | 0.122         |
| QPSK       | 1747.5                  | 20325      | 15 | 75      | 0         | 21.85                 | 20.75           | 0.119         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| 16QAM      | 1717.5                  | 20025      | 15 | 1       | 0         | 22.48                 | 21.38           | 0.137         |
| 16QAM      | 1717.5                  | 20025      | 15 | 1       | 37        | 22.58                 | 21.48           | 0.141         |
| 16QAM      | 1717.5                  | 20025      | 15 | 1       | 74        | 22.34                 | 21.24           | 0.133         |
| 16QAM      | 1717.5                  | 20025      | 15 | 36      | 0         | 20.93                 | 19.83           | 0.096         |
| 16QAM      | 1717.5                  | 20025      | 15 | 36      | 29        | 20.98                 | 19.88           | 0.097         |
| 16QAM      | 1717.5                  | 20025      | 15 | 36      | 30        | 20.91                 | 19.81           | 0.096         |
| 16QAM      | 1717.5                  | 20025      | 15 | 75      | 0         | 20.90                 | 19.80           | 0.095         |
| 16QAM      | 1732.5                  | 20175      | 15 | 1       | 0         | 21.95                 | 20.85           | 0.122         |
| 16QAM      | 1732.5                  | 20175      | 15 | 1       | 37        | 22.18                 | 21.08           | 0.128         |
| 16QAM      | 1732.5                  | 20175      | 15 | 1       | 74        | 22.01                 | 20.91           | 0.123         |
| 16QAM      | 1732.5                  | 20175      | 15 | 36      | 0         | 20.94                 | 19.84           | 0.096         |
| 16QAM      | 1732.5                  | 20175      | 15 | 36      | 29        | 20.83                 | 19.73           | 0.094         |
| 16QAM      | 1732.5                  | 20175      | 15 | 36      | 30        | 20.88                 | 19.78           | 0.095         |
| 16QAM      | 1732.5                  | 20175      | 15 | 75      | 0         | 20.87                 | 19.77           | 0.095         |
| 16QAM      | 1747.5                  | 20325      | 15 | 1       | 0         | 22.19                 | 21.09           | 0.129         |
| 16QAM      | 1747.5                  | 20325      | 15 | 1       | 37        | 22.49                 | 21.39           | 0.138         |
| 16QAM      | 1747.5                  | 20325      | 15 | 1       | 74        | 22.22                 | 21.12           | 0.129         |
| 16QAM      | 1747.5                  | 20325      | 15 | 36      | 0         | 20.97                 | 19.87           | 0.097         |
| 16QAM      | 1747.5                  | 20325      | 15 | 36      | 29        | 20.94                 | 19.84           | 0.096         |
| 16QAM      | 1747.5                  | 20325      | 15 | 36      | 30        | 20.93                 | 19.83           | 0.096         |
| 16QAM      | 1747.5                  | 20325      | 15 | 75      | 0         | 20.87                 | 19.77           | 0.095         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| QPSK       | 1720                    | 20050      | 20 | 1       | 0         | 22.65                 | 21.55           | 0.143         |
| QPSK       | 1720                    | 20050      | 20 | 1       | 49        | 22.75                 | 21.65           | 0.146         |
| QPSK       | 1720                    | 20050      | 20 | 1       | 99        | 22.57                 | 21.47           | 0.140         |
| QPSK       | 1720                    | 20050      | 20 | 50      | 0         | 21.87                 | 20.77           | 0.119         |
| QPSK       | 1720                    | 20050      | 20 | 50      | 24        | 21.93                 | 20.83           | 0.121         |
| QPSK       | 1720                    | 20050      | 20 | 50      | 50        | 21.92                 | 20.82           | 0.121         |
| QPSK       | 1720                    | 20050      | 20 | 100     | 0         | 21.88                 | 20.78           | 0.120         |
| QPSK       | 1732.5                  | 20175      | 20 | 1       | 0         | 22.61                 | 21.51           | 0.142         |
| QPSK       | 1732.5                  | 20175      | 20 | 1       | 49        | 22.89                 | 21.79           | 0.151         |
| QPSK       | 1732.5                  | 20175      | 20 | 1       | 99        | 22.63                 | 21.53           | 0.142         |
| QPSK       | 1732.5                  | 20175      | 20 | 50      | 0         | 21.93                 | 20.83           | 0.121         |
| QPSK       | 1732.5                  | 20175      | 20 | 50      | 24        | 21.91                 | 20.81           | 0.121         |
| QPSK       | 1732.5                  | 20175      | 20 | 50      | 50        | 21.73                 | 20.63           | 0.116         |
| QPSK       | 1732.5                  | 20175      | 20 | 100     | 0         | 21.83                 | 20.73           | 0.118         |
| QPSK       | 1745                    | 20300      | 20 | 1       | 0         | 22.52                 | 21.42           | 0.139         |
| QPSK       | 1745                    | 20300      | 20 | 1       | 49        | 22.92                 | 21.82           | 0.152         |
| QPSK       | 1745                    | 20300      | 20 | 1       | 99        | 22.59                 | 21.49           | 0.141         |
| QPSK       | 1745                    | 20300      | 20 | 50      | 0         | 21.99                 | 20.89           | 0.123         |
| QPSK       | 1745                    | 20300      | 20 | 50      | 24        | 21.93                 | 20.83           | 0.121         |
| QPSK       | 1745                    | 20300      | 20 | 50      | 50        | 21.86                 | 20.76           | 0.119         |
| QPSK       | 1745                    | 20300      | 20 | 100     | 0         | 21.94                 | 20.84           | 0.121         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|-----------------|---------------|
| 16QAM      | 1720                    | 20050      | 20 | 1       | 0         | 22.03                 | 20.93           | 0.124         |
| 16QAM      | 1720                    | 20050      | 20 | 1       | 49        | 22.26                 | 21.16           | 0.131         |
| 16QAM      | 1720                    | 20050      | 20 | 1       | 99        | 22.04                 | 20.94           | 0.124         |
| 16QAM      | 1720                    | 20050      | 20 | 50      | 0         | 20.87                 | 19.77           | 0.095         |
| 16QAM      | 1720                    | 20050      | 20 | 50      | 24        | 20.93                 | 19.83           | 0.096         |
| 16QAM      | 1720                    | 20050      | 20 | 50      | 50        | 21.01                 | 19.91           | 0.098         |
| 16QAM      | 1720                    | 20050      | 20 | 100     | 0         | 20.97                 | 19.87           | 0.097         |
| 16QAM      | 1732.5                  | 20175      | 20 | 1       | 0         | 21.92                 | 20.82           | 0.121         |
| 16QAM      | 1732.5                  | 20175      | 20 | 1       | 49        | 22.36                 | 21.26           | 0.134         |
| 16QAM      | 1732.5                  | 20175      | 20 | 1       | 99        | 21.93                 | 20.83           | 0.121         |
| 16QAM      | 1732.5                  | 20175      | 20 | 50      | 0         | 20.96                 | 19.86           | 0.097         |
| 16QAM      | 1732.5                  | 20175      | 20 | 50      | 24        | 20.89                 | 19.79           | 0.095         |
| 16QAM      | 1732.5                  | 20175      | 20 | 50      | 50        | 20.82                 | 19.72           | 0.094         |
| 16QAM      | 1732.5                  | 20175      | 20 | 100     | 0         | 20.84                 | 19.74           | 0.094         |
| 16QAM      | 1745                    | 20300      | 20 | 1       | 0         | 21.99                 | 20.89           | 0.123         |
| 16QAM      | 1745                    | 20300      | 20 | 1       | 49        | 22.37                 | 21.27           | 0.134         |
| 16QAM      | 1745                    | 20300      | 20 | 1       | 99        | 22.11                 | 21.01           | 0.126         |
| 16QAM      | 1745                    | 20300      | 20 | 50      | 0         | 21.01                 | 19.91           | 0.098         |
| 16QAM      | 1745                    | 20300      | 20 | 50      | 24        | 20.96                 | 19.86           | 0.097         |
| 16QAM      | 1745                    | 20300      | 20 | 50      | 50        | 20.89                 | 19.79           | 0.095         |
| 16QAM      | 1745                    | 20300      | 20 | 100     | 0         | 20.97                 | 19.87           | 0.097         |

## The original report test date

### LTE Band 4

#### 1 RF Power Output

| Modulation | Carrier frequency (MHz) | UL Channel | BW  | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|
| QPSK       | 1710.7                  | 19957      | 1.4 | 1       | 0         | 22.67                 |
|            |                         |            |     | 1       | 5         | 22.55                 |
|            |                         |            |     | 3       | 2         | 21.61                 |
|            |                         |            |     | 6       | 0         | 21.59                 |
|            | 1732.5                  | 20175      |     | 1       | 0         | 22.66                 |
|            |                         |            |     | 1       | 5         | 22.65                 |
|            |                         |            |     | 3       | 2         | 21.70                 |
|            |                         |            |     | 6       | 0         | 21.63                 |
|            | 1754.3                  | 20393      |     | 1       | 0         | 22.86                 |
|            |                         |            |     | 1       | 5         | 22.78                 |
|            |                         |            |     | 3       | 2         | 21.88                 |
|            |                         |            |     | 6       | 0         | 21.75                 |
| 16QAM      | 1710.7                  | 19957      | 1.4 | 1       | 0         | 21.75                 |
|            |                         |            |     | 1       | 5         | 21.53                 |
|            |                         |            |     | 3       | 2         | 20.65                 |

|  |        |       |  |        |       |       |
|--|--------|-------|--|--------|-------|-------|
|  |        |       |  | 6      | 0     | 20.59 |
|  | 1732.5 | 20175 |  | 1      | 0     | 21.72 |
|  |        |       |  | 1      | 5     | 21.63 |
|  |        |       |  | 3      | 2     | 20.70 |
|  |        |       |  | 6      | 0     | 20.65 |
|  |        |       |  | 1754.3 | 20393 | 1     |
|  | 1      | 5     |  |        |       | 21.79 |
|  | 3      | 2     |  |        |       | 20.95 |
|  | 6      | 0     |  |        |       | 20.80 |
|  |        |       |  |        |       |       |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1711.5                  | 19965      | 3  | 1       | 0         | 22.69                 |
|            |                         |            |    | 1       | 14        | 22.63                 |
|            |                         |            |    | 8       | 4         | 21.63                 |
|            |                         |            |    | 15      | 0         | 21.61                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 22.77                 |
|            |                         |            |    | 1       | 14        | 22.70                 |
|            |                         |            |    | 8       | 4         | 21.66                 |
|            |                         |            |    | 15      | 0         | 21.63                 |
|            | 1753.5                  | 20385      |    | 1       | 0         | 22.80                 |
|            |                         |            |    | 1       | 14        | 22.88                 |
|            |                         |            |    | 8       | 4         | 21.90                 |
|            |                         |            |    | 15      | 0         | 21.85                 |
| 16QAM      | 1711.5                  | 19965      | 3  | 1       | 0         | 21.68                 |
|            |                         |            |    | 1       | 14        | 21.52                 |
|            |                         |            |    | 8       | 4         | 20.60                 |
|            |                         |            |    | 15      | 0         | 20.61                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 21.75                 |
|            |                         |            |    | 1       | 14        | 21.70                 |
|            |                         |            |    | 8       | 4         | 20.74                 |
|            |                         |            |    | 15      | 0         | 20.69                 |
|            | 1753.5                  | 20385      |    | 1       | 0         | 21.95                 |
|            |                         |            |    | 1       | 14        | 21.78                 |
|            |                         |            |    | 8       | 4         | 20.98                 |
|            |                         |            |    | 15      | 0         | 20.89                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1712.5                  | 19975      | 5  | 1       | 0         | 22.81                 |
|            |                         |            |    | 1       | 24        | 22.59                 |
|            |                         |            |    | 12      | 6         | 21.66                 |
|            |                         |            |    | 25      | 0         | 21.59                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 22.73                 |
|            |                         |            |    | 1       | 24        | 22.77                 |
|            |                         |            |    | 12      | 6         | 21.65                 |
|            |                         |            |    | 25      | 0         | 21.63                 |
|            | 1752.5                  | 20375      |    | 1       | 0         | 22.94                 |
|            |                         |            |    | 1       | 24        | 22.88                 |
|            |                         |            |    | 12      | 6         | 21.97                 |
|            |                         |            |    | 25      | 0         | 21.81                 |
| 16QAM      | 1712.5                  | 19975      | 5  | 1       | 0         | 21.75                 |
|            |                         |            |    | 1       | 24        | 21.67                 |
|            |                         |            |    | 12      | 6         | 20.67                 |
|            |                         |            |    | 25      | 0         | 20.57                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 21.81                 |
|            |                         |            |    | 1       | 24        | 21.75                 |
|            |                         |            |    | 12      | 6         | 20.67                 |
|            |                         |            |    | 25      | 0         | 20.63                 |
|            | 1752.5                  | 20375      |    | 1       | 0         | 22.00                 |
|            |                         |            |    | 1       | 24        | 21.91                 |
|            |                         |            |    | 12      | 6         | 21.00                 |
|            |                         |            |    | 25      | 0         | 20.92                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1715                    | 20000      | 10 | 1       | 0         | 22.87                 |
|            |                         |            |    | 1       | 49        | 22.70                 |
|            |                         |            |    | 24      | 12        | 21.79                 |
|            |                         |            |    | 50      | 0         | 21.66                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 22.81                 |
|            |                         |            |    | 1       | 49        | 22.74                 |
|            |                         |            |    | 24      | 12        | 21.75                 |
|            |                         |            |    | 50      | 0         | 21.69                 |
|            | 1750                    | 20350      |    | 1       | 0         | 22.96                 |
|            |                         |            |    | 1       | 49        | 22.99                 |
|            |                         |            |    | 24      | 12        | 22.04                 |
|            |                         |            |    | 50      | 0         | 21.90                 |
| 16QAM      | 1715                    | 20000      | 10 | 1       | 0         | 21.88                 |
|            |                         |            |    | 1       | 49        | 21.67                 |
|            |                         |            |    | 24      | 12        | 20.79                 |
|            |                         |            |    | 50      | 0         | 20.72                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 21.83                 |
|            |                         |            |    | 1       | 49        | 21.75                 |
|            |                         |            |    | 24      | 12        | 20.79                 |
|            |                         |            |    | 50      | 0         | 20.80                 |
|            | 1750                    | 20350      |    | 1       | 0         | 22.05                 |
|            |                         |            |    | 1       | 49        | 21.90                 |
|            |                         |            |    | 24      | 12        | 21.08                 |
|            |                         |            |    | 50      | 0         | 20.93                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1717.5                  | 20025      | 15 | 1       | 0         | 22.90                 |
|            |                         |            |    | 1       | 74        | 22.76                 |
|            |                         |            |    | 40      | 18        | 21.73                 |
|            |                         |            |    | 75      | 0         | 21.74                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 22.83                 |
|            |                         |            |    | 1       | 74        | 22.79                 |
|            |                         |            |    | 40      | 18        | 21.83                 |
|            |                         |            |    | 75      | 0         | 21.74                 |
|            | 1747.5                  | 20325      |    | 1       | 0         | 23.06                 |
|            |                         |            |    | 1       | 74        | 22.93                 |
|            |                         |            |    | 40      | 18        | 22.07                 |
|            |                         |            |    | 75      | 0         | 22.00                 |
| 16QAM      | 1717.5                  | 20025      | 15 | 1       | 0         | 21.93                 |
|            |                         |            |    | 1       | 74        | 21.76                 |
|            |                         |            |    | 40      | 18        | 20.81                 |
|            |                         |            |    | 75      | 0         | 20.77                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 21.88                 |
|            |                         |            |    | 1       | 74        | 21.87                 |
|            |                         |            |    | 40      | 18        | 20.85                 |
|            |                         |            |    | 75      | 0         | 20.80                 |
|            | 1747.5                  | 20325      |    | 1       | 0         | 22.08                 |
|            |                         |            |    | 1       | 74        | 22.01                 |
|            |                         |            |    | 40      | 18        | 21.14                 |
|            |                         |            |    | 75      | 0         | 21.00                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1720                    | 20050      | 20 | 1       | 0         | 22.95                 |
|            |                         |            |    | 1       | 99        | 22.83                 |
|            |                         |            |    | 50      | 25        | 21.87                 |
|            |                         |            |    | 100     | 0         | 21.83                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 22.97                 |
|            |                         |            |    | 1       | 99        | 22.91                 |
|            |                         |            |    | 50      | 25        | 21.92                 |
|            |                         |            |    | 100     | 0         | 21.87                 |
|            | 1745                    | 20300      |    | 1       | 0         | 23.11                 |
|            |                         |            |    | 1       | 99        | 23.08                 |
|            |                         |            |    | 50      | 25        | 22.18                 |
|            |                         |            |    | 100     | 0         | 22.06                 |
| 16QAM      | 1720                    | 20050      | 20 | 1       | 0         | 21.99                 |
|            |                         |            |    | 1       | 99        | 21.82                 |
|            |                         |            |    | 50      | 25        | 20.91                 |
|            |                         |            |    | 100     | 0         | 20.83                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 21.98                 |
|            |                         |            |    | 1       | 99        | 21.92                 |
|            |                         |            |    | 50      | 25        | 20.94                 |
|            |                         |            |    | 100     | 0         | 20.90                 |
|            | 1745                    | 20300      |    | 1       | 0         | 22.16                 |
|            |                         |            |    | 1       | 99        | 22.06                 |
|            |                         |            |    | 50      | 25        | 21.20                 |
|            |                         |            |    | 100     | 0         | 21.11                 |

Test results conducted power measurement (Reduced Power )

| Modulation | Carrier frequency (MHz) | UL Channel | BW  | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|
| QPSK       | 1710.7                  | 19957      | 1.4 | 1       | 0         | 14.67                 |
|            |                         |            |     | 1       | 5         | 14.55                 |
|            |                         |            |     | 3       | 2         | 13.61                 |
|            |                         |            |     | 6       | 0         | 13.59                 |
|            | 1732.5                  | 20175      |     | 1       | 0         | 14.66                 |
|            |                         |            |     | 1       | 5         | 14.65                 |
|            |                         |            |     | 3       | 2         | 13.70                 |
|            |                         |            |     | 6       | 0         | 13.63                 |
|            | 1754.3                  | 20393      |     | 1       | 0         | 14.86                 |
|            |                         |            |     | 1       | 5         | 14.78                 |
|            |                         |            |     | 3       | 2         | 13.88                 |
|            |                         |            |     | 6       | 0         | 13.75                 |
| 16QAM      | 1710.7                  | 19957      | 1.4 | 1       | 0         | 13.75                 |
|            |                         |            |     | 1       | 5         | 13.53                 |
|            |                         |            |     | 3       | 2         | 12.65                 |
|            |                         |            |     | 6       | 0         | 12.59                 |
|            | 1732.5                  | 20175      |     | 1       | 0         | 13.72                 |
|            |                         |            |     | 1       | 5         | 13.63                 |
|            |                         |            |     | 3       | 2         | 12.70                 |
|            |                         |            |     | 6       | 0         | 12.65                 |
|            | 1754.3                  | 20393      |     | 1       | 0         | 13.94                 |
|            |                         |            |     | 1       | 5         | 13.79                 |
|            |                         |            |     | 3       | 2         | 12.95                 |
|            |                         |            |     | 6       | 0         | 12.80                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1711.5                  | 19965      | 3  | 1       | 0         | 14.69                 |
|            |                         |            |    | 1       | 14        | 14.63                 |
|            |                         |            |    | 8       | 4         | 13.63                 |
|            |                         |            |    | 15      | 0         | 13.61                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 14.77                 |
|            |                         |            |    | 1       | 14        | 14.70                 |
|            |                         |            |    | 8       | 4         | 13.66                 |
|            |                         |            |    | 15      | 0         | 13.63                 |
|            | 1753.5                  | 20385      |    | 1       | 0         | 14.80                 |
|            |                         |            |    | 1       | 14        | 14.88                 |
|            |                         |            |    | 8       | 4         | 13.90                 |
|            |                         |            |    | 15      | 0         | 13.85                 |
| 16QAM      | 1711.5                  | 19965      | 3  | 1       | 0         | 13.68                 |
|            |                         |            |    | 1       | 14        | 13.52                 |
|            |                         |            |    | 8       | 4         | 12.60                 |
|            |                         |            |    | 15      | 0         | 12.61                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 13.75                 |
|            |                         |            |    | 1       | 14        | 13.70                 |
|            |                         |            |    | 8       | 4         | 12.74                 |
|            |                         |            |    | 15      | 0         | 12.69                 |
|            | 1753.5                  | 20385      |    | 1       | 0         | 13.95                 |
|            |                         |            |    | 1       | 14        | 13.78                 |
|            |                         |            |    | 8       | 4         | 12.98                 |
|            |                         |            |    | 15      | 0         | 12.89                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1712.5                  | 19975      | 5  | 1       | 0         | 14.81                 |
|            |                         |            |    | 1       | 24        | 14.59                 |
|            |                         |            |    | 12      | 6         | 13.66                 |
|            |                         |            |    | 25      | 0         | 13.59                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 14.73                 |
|            |                         |            |    | 1       | 24        | 14.77                 |
|            |                         |            |    | 12      | 6         | 13.65                 |
|            |                         |            |    | 25      | 0         | 13.63                 |
|            | 1752.5                  | 20375      |    | 1       | 0         | 14.94                 |
|            |                         |            |    | 1       | 24        | 14.88                 |
|            |                         |            |    | 12      | 6         | 13.97                 |
|            |                         |            |    | 25      | 0         | 13.81                 |
| 16QAM      | 1712.5                  | 19975      | 5  | 1       | 0         | 13.75                 |
|            |                         |            |    | 1       | 24        | 13.67                 |
|            |                         |            |    | 12      | 6         | 12.67                 |
|            |                         |            |    | 25      | 0         | 12.57                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 13.81                 |
|            |                         |            |    | 1       | 24        | 13.75                 |
|            |                         |            |    | 12      | 6         | 12.67                 |
|            |                         |            |    | 25      | 0         | 12.63                 |
|            | 1752.5                  | 20375      |    | 1       | 0         | 14.00                 |
|            |                         |            |    | 1       | 24        | 13.91                 |
|            |                         |            |    | 12      | 6         | 13.00                 |
|            |                         |            |    | 25      | 0         | 12.92                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1715                    | 20000      | 10 | 1       | 0         | 14.87                 |
|            |                         |            |    | 1       | 49        | 14.70                 |
|            |                         |            |    | 24      | 12        | 13.79                 |
|            |                         |            |    | 50      | 0         | 13.66                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 14.81                 |
|            |                         |            |    | 1       | 49        | 14.74                 |
|            |                         |            |    | 24      | 12        | 13.75                 |
|            |                         |            |    | 50      | 0         | 13.69                 |
|            | 1750                    | 20350      |    | 1       | 0         | 14.96                 |
|            |                         |            |    | 1       | 49        | 14.99                 |
|            |                         |            |    | 24      | 12        | 14.04                 |
|            |                         |            |    | 50      | 0         | 13.90                 |
| 16QAM      | 1715                    | 20000      | 10 | 1       | 0         | 13.88                 |
|            |                         |            |    | 1       | 49        | 13.67                 |
|            |                         |            |    | 24      | 12        | 12.79                 |
|            |                         |            |    | 50      | 0         | 12.72                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 13.83                 |
|            |                         |            |    | 1       | 49        | 13.75                 |
|            |                         |            |    | 24      | 12        | 12.79                 |
|            |                         |            |    | 50      | 0         | 12.80                 |
|            | 1750                    | 20350      |    | 1       | 0         | 14.05                 |
|            |                         |            |    | 1       | 49        | 13.90                 |
|            |                         |            |    | 24      | 12        | 13.08                 |
|            |                         |            |    | 50      | 0         | 12.93                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1717.5                  | 20025      | 15 | 1       | 0         | 14.90                 |
|            |                         |            |    | 1       | 74        | 14.76                 |
|            |                         |            |    | 40      | 18        | 13.73                 |
|            |                         |            |    | 75      | 0         | 13.74                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 14.83                 |
|            |                         |            |    | 1       | 74        | 14.79                 |
|            |                         |            |    | 40      | 18        | 13.83                 |
|            |                         |            |    | 75      | 0         | 13.74                 |
|            | 1747.5                  | 20325      |    | 1       | 0         | 15.06                 |
|            |                         |            |    | 1       | 74        | 14.93                 |
|            |                         |            |    | 40      | 18        | 14.07                 |
|            |                         |            |    | 75      | 0         | 14.00                 |
| 16QAM      | 1717.5                  | 20025      | 15 | 1       | 0         | 13.93                 |
|            |                         |            |    | 1       | 74        | 13.76                 |
|            |                         |            |    | 40      | 18        | 12.81                 |
|            |                         |            |    | 75      | 0         | 12.77                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 13.88                 |
|            |                         |            |    | 1       | 74        | 13.87                 |
|            |                         |            |    | 40      | 18        | 12.85                 |
|            |                         |            |    | 75      | 0         | 12.80                 |
|            | 1747.5                  | 20325      |    | 1       | 0         | 14.08                 |
|            |                         |            |    | 1       | 74        | 14.01                 |
|            |                         |            |    | 40      | 18        | 13.14                 |
|            |                         |            |    | 75      | 0         | 13.00                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 1720                    | 20050      | 20 | 1       | 0         | 14.95                 |
|            |                         |            |    | 1       | 99        | 14.83                 |
|            |                         |            |    | 50      | 25        | 13.87                 |
|            |                         |            |    | 100     | 0         | 13.83                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 14.97                 |
|            |                         |            |    | 1       | 99        | 14.91                 |
|            |                         |            |    | 50      | 25        | 13.92                 |
|            |                         |            |    | 100     | 0         | 13.87                 |
|            | 1745                    | 20300      |    | 1       | 0         | 15.11                 |
|            |                         |            |    | 1       | 99        | 15.08                 |
|            |                         |            |    | 50      | 25        | 14.18                 |
|            |                         |            |    | 100     | 0         | 14.06                 |
| 16QAM      | 1720                    | 20050      | 20 | 1       | 0         | 13.99                 |
|            |                         |            |    | 1       | 99        | 13.82                 |
|            |                         |            |    | 50      | 25        | 12.91                 |
|            |                         |            |    | 100     | 0         | 12.83                 |
|            | 1732.5                  | 20175      |    | 1       | 0         | 13.98                 |
|            |                         |            |    | 1       | 99        | 13.92                 |
|            |                         |            |    | 50      | 25        | 12.94                 |
|            |                         |            |    | 100     | 0         | 12.90                 |
|            | 1745                    | 20300      |    | 1       | 0         | 14.16                 |
|            |                         |            |    | 1       | 99        | 14.06                 |
|            |                         |            |    | 50      | 25        | 13.20                 |
|            |                         |            |    | 100     | 0         | 13.11                 |

## 2 Occupied Bandwidth

Test result

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |        |        |
|------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|--------|--------|
|      |                         |         |          |         |           | QPSK                         |        | 16-QAM |        |
| 4    | 1710.7                  | 19957   | 1.4      | 6       | 0         | 1.0829                       | Fig.1  | 1.0818 | Fig.2  |
|      | 1732.5                  | 20175   |          | 6       | 0         | 1.0822                       | Fig.3  | 1.0842 | Fig.4  |
|      | 1754.3                  | 20393   |          | 6       | 0         | 1.0831                       | Fig.5  | 1.0830 | Fig.6  |
|      | 1711.5                  | 19965   | 3        | 15      | 0         | 2.6866                       | Fig.7  | 2.6929 | Fig.8  |
|      | 1732.5                  | 20175   |          | 15      | 0         | 2.6922                       | Fig.9  | 2.6880 | Fig.10 |
|      | 1753.5                  | 20385   |          | 15      | 0         | 2.6910                       | Fig.11 | 2.6930 | Fig.12 |
|      | 1712.5                  | 19975   | 5        | 25      | 0         | 4.4771                       | Fig.13 | 4.4778 | Fig.14 |
|      | 1732.5                  | 20175   |          | 25      | 0         | 4.4770                       | Fig.15 | 4.4771 | Fig.16 |
|      | 1752.5                  | 20375   |          | 25      | 0         | 4.4771                       | Fig.17 | 4.4743 | Fig.18 |
|      | 1715                    | 20000   | 10       | 50      | 0         | 8.9258                       | Fig.19 | 8.9427 | Fig.20 |
|      | 1732.5                  | 20175   |          | 50      | 0         | 8.9358                       | Fig.21 | 8.9483 | Fig.22 |
|      | 1750                    | 20350   |          | 50      | 0         | 8.9329                       | Fig.23 | 8.9248 | Fig.24 |
|      | 1717.5                  | 20025   | 15       | 75      | 0         | 13.414                       | Fig.25 | 13.430 | Fig.26 |
|      | 1732.5                  | 20175   |          | 75      | 0         | 13.400                       | Fig.27 | 13.434 | Fig.28 |
|      | 1747.5                  | 20325   |          | 75      | 0         | 13.414                       | Fig.29 | 13.398 | Fig.30 |
|      | 1720                    | 20050   | 20       | 100     | 0         | 17.829                       | Fig.31 | 17.798 | Fig.32 |
|      | 1732.5                  | 20175   |          | 100     | 0         | 17.849                       | Fig.33 | 17.831 | Fig.34 |
|      | 1745                    | 20300   |          | 100     | 0         | 17.818                       | Fig.35 | 17.841 | Fig.36 |

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |        |        |        |
|------|-------------------------|---------|----------|---------|-----------|--------------------------------------------|--------|--------|--------|
|      |                         |         |          |         |           | QPSK                                       |        | 16-QAM |        |
| 4    | 1710.7                  | 19957   | 1.4      | 6       | 0         | 1.265                                      | Fig.1  | 1.266  | Fig.2  |
|      | 1732.5                  | 20175   |          | 6       | 0         | 1.269                                      | Fig.3  | 1.268  | Fig.4  |
|      | 1754.3                  | 20393   |          | 6       | 0         | 1.261                                      | Fig.5  | 1.258  | Fig.6  |
|      | 1711.5                  | 19965   | 3        | 15      | 0         | 2.982                                      | Fig.7  | 3.005  | Fig.8  |
|      | 1732.5                  | 20175   |          | 15      | 0         | 2.980                                      | Fig.9  | 2.972  | Fig.10 |
|      | 1753.5                  | 20385   |          | 15      | 0         | 2.976                                      | Fig.11 | 2.964  | Fig.12 |
|      | 1712.5                  | 19975   | 5        | 25      | 0         | 4.933                                      | Fig.13 | 4.935  | Fig.14 |
|      | 1732.5                  | 20175   |          | 25      | 0         | 4.941                                      | Fig.15 | 4.935  | Fig.16 |
|      | 1752.5                  | 20375   |          | 25      | 0         | 4.935                                      | Fig.17 | 4.974  | Fig.18 |
|      | 1715                    | 20000   | 10       | 50      | 0         | 9.770                                      | Fig.19 | 9.640  | Fig.20 |
|      | 1732.5                  | 20175   |          | 50      | 0         | 9.724                                      | Fig.21 | 9.708  | Fig.22 |
|      | 1750                    | 20350   |          | 50      | 0         | 9.659                                      | Fig.23 | 9.592  | Fig.24 |
|      | 1717.5                  | 20025   | 15       | 75      | 0         | 14.43                                      | Fig.25 | 14.53  | Fig.26 |
|      | 1732.5                  | 20175   |          | 75      | 0         | 14.49                                      | Fig.27 | 14.40  | Fig.28 |
|      | 1747.5                  | 20325   |          | 75      | 0         | 14.46                                      | Fig.29 | 14.38  | Fig.30 |
|      | 1720                    | 20050   | 20       | 100     | 0         | 19.13                                      | Fig.31 | 18.93  | Fig.32 |
|      | 1732.5                  | 20175   |          | 100     | 0         | 19.43                                      | Fig.33 | 19.16  | Fig.34 |
|      | 1745                    | 20300   |          | 100     | 0         | 19.15                                      | Fig.35 | 18.82  | Fig.36 |

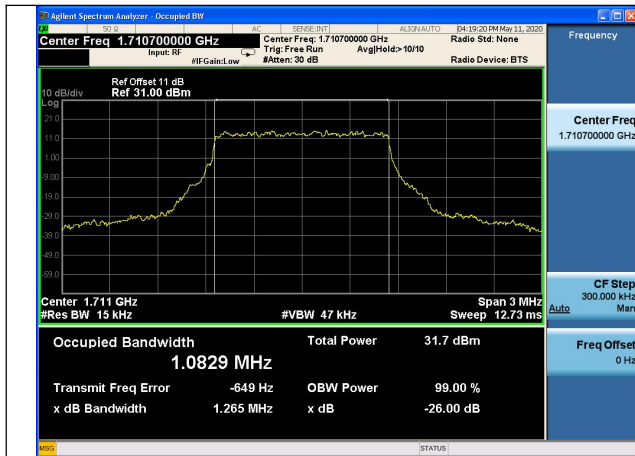


Fig.1

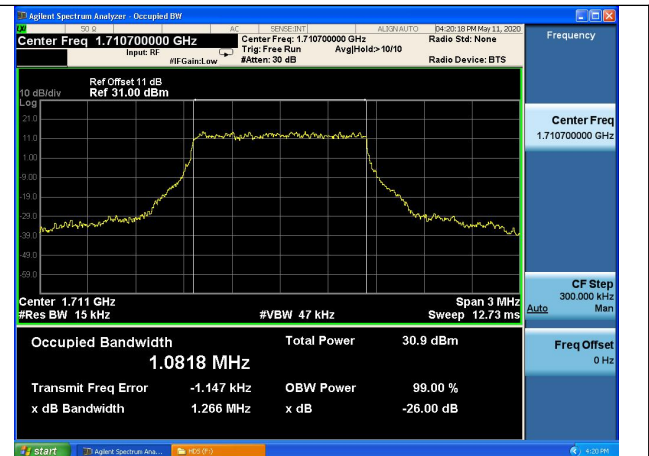


Fig.2

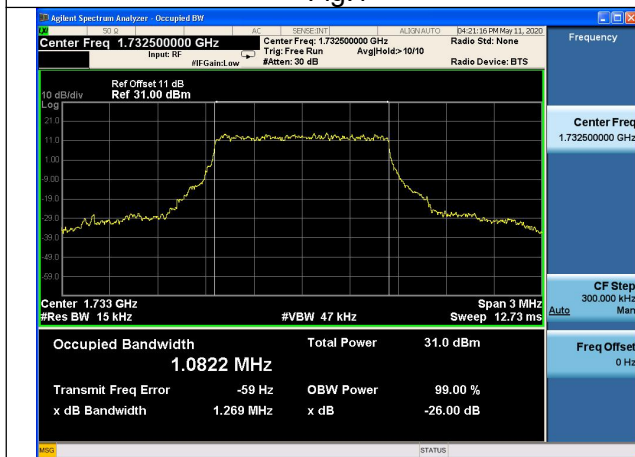


Fig.3



Fig.4

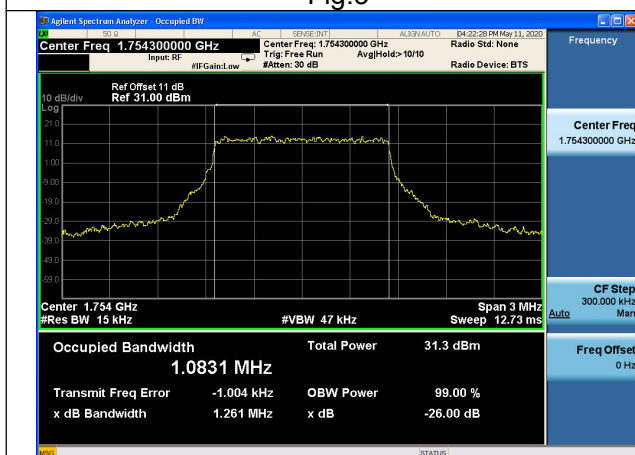


Fig.5



Fig.6