

## **APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

### **LTE Band 12**

#### **1 RF Power Output**

| Modulation | Carrier frequency (MHz) | UL Channel | BW  | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|
| QPSK       | 699.7                   | 23017      | 1.4 | 1       | 0         | 25.88                 |
| QPSK       | 699.7                   | 23017      | 1.4 | 1       | 3         | 25.98                 |
| QPSK       | 699.7                   | 23017      | 1.4 | 1       | 5         | 26.03                 |
| QPSK       | 699.7                   | 23017      | 1.4 | 3       | 0         | 26.16                 |
| QPSK       | 699.7                   | 23017      | 1.4 | 3       | 1         | 26.30                 |
| QPSK       | 699.7                   | 23017      | 1.4 | 3       | 3         | 26.19                 |
| QPSK       | 699.7                   | 23017      | 1.4 | 6       | 0         | 25.27                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 1       | 0         | 26.32                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 1       | 3         | 26.47                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 1       | 5         | 26.43                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 3       | 0         | 26.52                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 3       | 1         | 26.63                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 3       | 3         | 26.50                 |
| QPSK       | 707.5                   | 23095      | 1.4 | 6       | 0         | 25.81                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 1       | 0         | 26.67                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 1       | 3         | 26.70                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 1       | 5         | 26.62                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 3       | 0         | 26.57                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 3       | 1         | 26.62                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 3       | 3         | 26.55                 |
| QPSK       | 715.3                   | 23173      | 1.4 | 6       | 0         | 25.53                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW  | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|
| 16QAM      | 699.7                   | 23017      | 1.4 | 1       | 0         | 25.69                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 1       | 3         | 26.23                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 1       | 5         | 25.29                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 3       | 0         | 25.54                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 3       | 1         | 25.68                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 3       | 3         | 25.56                 |
| 16QAM      | 699.7                   | 23017      | 1.4 | 6       | 0         | 24.26                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 1       | 0         | 25.58                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 1       | 3         | 26.01                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 1       | 5         | 26.02                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 3       | 0         | 25.81                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 3       | 1         | 25.90                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 3       | 3         | 25.74                 |
| 16QAM      | 707.5                   | 23095      | 1.4 | 6       | 0         | 24.26                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 1       | 0         | 25.14                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 1       | 3         | 25.52                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 1       | 5         | 25.27                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 3       | 0         | 25.49                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 3       | 1         | 25.80                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 3       | 3         | 25.62                 |
| 16QAM      | 715.3                   | 23173      | 1.4 | 6       | 0         | 24.52                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 1       | 0         | 24.77                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 1       | 3         | 24.77                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 1       | 5         | 24.81                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 3       | 0         | 24.62                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 3       | 1         | 24.74                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 3       | 3         | 24.66                 |
| 64QAM      | 699.7                   | 23017      | 1.4 | 6       | 0         | 23.23                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 1       | 0         | 24.27                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 1       | 3         | 24.97                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 1       | 5         | 24.78                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 3       | 0         | 24.64                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 3       | 1         | 24.19                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 3       | 3         | 24.70                 |
| 64QAM      | 707.5                   | 23095      | 1.4 | 6       | 0         | 23.05                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 1       | 0         | 24.89                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 1       | 3         | 24.94                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 1       | 5         | 24.56                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 3       | 0         | 24.38                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 3       | 1         | 24.61                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 3       | 3         | 24.50                 |
| 64QAM      | 715.3                   | 23173      | 1.4 | 6       | 0         | 23.03                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 700.5                   | 23025      | 3  | 1       | 0         | 26.29                 |
| QPSK       | 700.5                   | 23025      | 3  | 1       | 8         | 26.29                 |
| QPSK       | 700.5                   | 23025      | 3  | 1       | 14        | 26.27                 |
| QPSK       | 700.5                   | 23025      | 3  | 8       | 0         | 25.29                 |
| QPSK       | 700.5                   | 23025      | 3  | 8       | 4         | 25.38                 |
| QPSK       | 700.5                   | 23025      | 3  | 8       | 7         | 25.20                 |
| QPSK       | 700.5                   | 23025      | 3  | 15      | 0         | 25.18                 |
| QPSK       | 707.5                   | 23095      | 3  | 1       | 0         | 26.35                 |
| QPSK       | 707.5                   | 23095      | 3  | 1       | 8         | 26.39                 |
| QPSK       | 707.5                   | 23095      | 3  | 1       | 14        | 26.63                 |
| QPSK       | 707.5                   | 23095      | 3  | 8       | 0         | 25.25                 |
| QPSK       | 707.5                   | 23095      | 3  | 8       | 4         | 25.52                 |
| QPSK       | 707.5                   | 23095      | 3  | 8       | 7         | 25.51                 |
| QPSK       | 707.5                   | 23095      | 3  | 15      | 0         | 25.52                 |
| QPSK       | 714.5                   | 23165      | 3  | 1       | 0         | 26.90                 |
| QPSK       | 714.5                   | 23165      | 3  | 1       | 8         | 26.67                 |
| QPSK       | 714.5                   | 23165      | 3  | 1       | 14        | 26.57                 |
| QPSK       | 714.5                   | 23165      | 3  | 8       | 0         | 25.49                 |
| QPSK       | 714.5                   | 23165      | 3  | 8       | 4         | 25.49                 |
| QPSK       | 714.5                   | 23165      | 3  | 8       | 7         | 25.52                 |
| QPSK       | 714.5                   | 23165      | 3  | 15      | 0         | 25.59                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| 16QAM      | 700.5                   | 23025      | 3  | 1       | 0         | 25.70                 |
| 16QAM      | 700.5                   | 23025      | 3  | 1       | 8         | 25.61                 |
| 16QAM      | 700.5                   | 23025      | 3  | 1       | 14        | 26.20                 |
| 16QAM      | 700.5                   | 23025      | 3  | 8       | 0         | 24.96                 |
| 16QAM      | 700.5                   | 23025      | 3  | 8       | 4         | 24.83                 |
| 16QAM      | 700.5                   | 23025      | 3  | 8       | 7         | 24.35                 |
| 16QAM      | 700.5                   | 23025      | 3  | 15      | 0         | 24.69                 |
| 16QAM      | 707.5                   | 23095      | 3  | 1       | 0         | 25.61                 |
| 16QAM      | 707.5                   | 23095      | 3  | 1       | 8         | 25.77                 |
| 16QAM      | 707.5                   | 23095      | 3  | 1       | 14        | 25.81                 |
| 16QAM      | 707.5                   | 23095      | 3  | 8       | 0         | 24.45                 |
| 16QAM      | 707.5                   | 23095      | 3  | 8       | 4         | 24.85                 |
| 16QAM      | 707.5                   | 23095      | 3  | 8       | 7         | 24.79                 |
| 16QAM      | 707.5                   | 23095      | 3  | 15      | 0         | 24.55                 |
| 16QAM      | 714.5                   | 23165      | 3  | 1       | 0         | 25.56                 |
| 16QAM      | 714.5                   | 23165      | 3  | 1       | 8         | 25.45                 |
| 16QAM      | 714.5                   | 23165      | 3  | 1       | 14        | 25.34                 |
| 16QAM      | 714.5                   | 23165      | 3  | 8       | 0         | 24.70                 |
| 16QAM      | 714.5                   | 23165      | 3  | 8       | 4         | 24.60                 |
| 16QAM      | 714.5                   | 23165      | 3  | 8       | 7         | 24.81                 |
| 16QAM      | 714.5                   | 23165      | 3  | 15      | 0         | 24.63                 |
| 64QAM      | 700.5                   | 23025      | 3  | 1       | 0         | 24.69                 |
| 64QAM      | 700.5                   | 23025      | 3  | 1       | 8         | 24.69                 |
| 64QAM      | 700.5                   | 23025      | 3  | 1       | 14        | 24.17                 |
| 64QAM      | 700.5                   | 23025      | 3  | 8       | 0         | 23.31                 |
| 64QAM      | 700.5                   | 23025      | 3  | 8       | 4         | 23.06                 |
| 64QAM      | 700.5                   | 23025      | 3  | 8       | 7         | 22.56                 |
| 64QAM      | 700.5                   | 23025      | 3  | 15      | 0         | 23.23                 |
| 64QAM      | 707.5                   | 23095      | 3  | 1       | 0         | 24.30                 |
| 64QAM      | 707.5                   | 23095      | 3  | 1       | 8         | 24.59                 |
| 64QAM      | 707.5                   | 23095      | 3  | 1       | 14        | 24.75                 |
| 64QAM      | 707.5                   | 23095      | 3  | 8       | 0         | 22.66                 |
| 64QAM      | 707.5                   | 23095      | 3  | 8       | 4         | 22.96                 |
| 64QAM      | 707.5                   | 23095      | 3  | 8       | 7         | 22.73                 |
| 64QAM      | 707.5                   | 23095      | 3  | 15      | 0         | 23.02                 |
| 64QAM      | 714.5                   | 23165      | 3  | 1       | 0         | 24.81                 |
| 64QAM      | 714.5                   | 23165      | 3  | 1       | 8         | 24.43                 |
| 64QAM      | 714.5                   | 23165      | 3  | 1       | 14        | 24.37                 |
| 64QAM      | 714.5                   | 23165      | 3  | 8       | 0         | 23.03                 |
| 64QAM      | 714.5                   | 23165      | 3  | 8       | 4         | 23.05                 |
| 64QAM      | 714.5                   | 23165      | 3  | 8       | 7         | 22.99                 |
| 64QAM      | 714.5                   | 23165      | 3  | 15      | 0         | 23.23                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 701.5                   | 23035      | 5  | 1       | 0         | 26.11                 |
| QPSK       | 701.5                   | 23035      | 5  | 1       | 12        | 26.23                 |
| QPSK       | 701.5                   | 23035      | 5  | 1       | 24        | 26.51                 |
| QPSK       | 701.5                   | 23035      | 5  | 12      | 0         | 25.30                 |
| QPSK       | 701.5                   | 23035      | 5  | 12      | 7         | 25.23                 |
| QPSK       | 701.5                   | 23035      | 5  | 12      | 13        | 25.10                 |
| QPSK       | 701.5                   | 23035      | 5  | 25      | 0         | 25.42                 |
| QPSK       | 707.5                   | 23095      | 5  | 1       | 0         | 26.35                 |
| QPSK       | 707.5                   | 23095      | 5  | 1       | 12        | 26.45                 |
| QPSK       | 707.5                   | 23095      | 5  | 1       | 24        | 26.63                 |
| QPSK       | 707.5                   | 23095      | 5  | 12      | 0         | 25.39                 |
| QPSK       | 707.5                   | 23095      | 5  | 12      | 7         | 25.56                 |
| QPSK       | 707.5                   | 23095      | 5  | 12      | 13        | 25.47                 |
| QPSK       | 707.5                   | 23095      | 5  | 25      | 0         | 25.64                 |
| QPSK       | 713.5                   | 23155      | 5  | 1       | 0         | 26.87                 |
| QPSK       | 713.5                   | 23155      | 5  | 1       | 12        | 26.85                 |
| QPSK       | 713.5                   | 23155      | 5  | 1       | 24        | 26.93                 |
| QPSK       | 713.5                   | 23155      | 5  | 12      | 0         | 25.63                 |
| QPSK       | 713.5                   | 23155      | 5  | 12      | 7         | 25.54                 |
| QPSK       | 713.5                   | 23155      | 5  | 12      | 13        | 25.55                 |
| QPSK       | 713.5                   | 23155      | 5  | 25      | 0         | 25.55                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| 16QAM      | 701.5                   | 23035      | 5  | 1       | 0         | 25.71                 |
| 16QAM      | 701.5                   | 23035      | 5  | 1       | 12        | 25.64                 |
| 16QAM      | 701.5                   | 23035      | 5  | 1       | 24        | 25.42                 |
| 16QAM      | 701.5                   | 23035      | 5  | 12      | 0         | 24.60                 |
| 16QAM      | 701.5                   | 23035      | 5  | 12      | 7         | 23.99                 |
| 16QAM      | 701.5                   | 23035      | 5  | 12      | 13        | 24.20                 |
| 16QAM      | 701.5                   | 23035      | 5  | 25      | 0         | 24.28                 |
| 16QAM      | 707.5                   | 23095      | 5  | 1       | 0         | 26.13                 |
| 16QAM      | 707.5                   | 23095      | 5  | 1       | 12        | 26.05                 |
| 16QAM      | 707.5                   | 23095      | 5  | 1       | 24        | 25.92                 |
| 16QAM      | 707.5                   | 23095      | 5  | 12      | 0         | 24.38                 |
| 16QAM      | 707.5                   | 23095      | 5  | 12      | 7         | 24.46                 |
| 16QAM      | 707.5                   | 23095      | 5  | 12      | 13        | 24.64                 |
| 16QAM      | 707.5                   | 23095      | 5  | 25      | 0         | 24.71                 |
| 16QAM      | 713.5                   | 23155      | 5  | 1       | 0         | 25.61                 |
| 16QAM      | 713.5                   | 23155      | 5  | 1       | 12        | 25.41                 |
| 16QAM      | 713.5                   | 23155      | 5  | 1       | 24        | 25.25                 |
| 16QAM      | 713.5                   | 23155      | 5  | 12      | 0         | 24.61                 |
| 16QAM      | 713.5                   | 23155      | 5  | 12      | 7         | 24.66                 |
| 16QAM      | 713.5                   | 23155      | 5  | 12      | 13        | 24.67                 |
| 16QAM      | 713.5                   | 23155      | 5  | 25      | 0         | 24.96                 |
| 64QAM      | 701.5                   | 23035      | 5  | 1       | 0         | 24.73                 |
| 64QAM      | 701.5                   | 23035      | 5  | 1       | 12        | 24.28                 |
| 64QAM      | 701.5                   | 23035      | 5  | 1       | 24        | 24.09                 |
| 64QAM      | 701.5                   | 23035      | 5  | 12      | 0         | 23.04                 |
| 64QAM      | 701.5                   | 23035      | 5  | 12      | 7         | 22.66                 |
| 64QAM      | 701.5                   | 23035      | 5  | 12      | 13        | 22.77                 |
| 64QAM      | 701.5                   | 23035      | 5  | 25      | 0         | 22.89                 |
| 64QAM      | 707.5                   | 23095      | 5  | 1       | 0         | 24.10                 |
| 64QAM      | 707.5                   | 23095      | 5  | 1       | 12        | 24.62                 |
| 64QAM      | 707.5                   | 23095      | 5  | 1       | 24        | 24.76                 |
| 64QAM      | 707.5                   | 23095      | 5  | 12      | 0         | 22.75                 |
| 64QAM      | 707.5                   | 23095      | 5  | 12      | 7         | 22.94                 |
| 64QAM      | 707.5                   | 23095      | 5  | 12      | 13        | 23.05                 |
| 64QAM      | 707.5                   | 23095      | 5  | 25      | 0         | 22.98                 |
| 64QAM      | 713.5                   | 23155      | 5  | 1       | 0         | 24.53                 |
| 64QAM      | 713.5                   | 23155      | 5  | 1       | 12        | 24.48                 |
| 64QAM      | 713.5                   | 23155      | 5  | 1       | 24        | 24.59                 |
| 64QAM      | 713.5                   | 23155      | 5  | 12      | 0         | 23.10                 |
| 64QAM      | 713.5                   | 23155      | 5  | 12      | 7         | 23.13                 |
| 64QAM      | 713.5                   | 23155      | 5  | 12      | 13        | 23.22                 |
| 64QAM      | 713.5                   | 23155      | 5  | 25      | 0         | 23.50                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| QPSK       | 704                     | 23060      | 10 | 1       | 0         | 26.56                 |
| QPSK       | 704                     | 23060      | 10 | 1       | 25        | 26.51                 |
| QPSK       | 704                     | 23060      | 10 | 1       | 49        | 26.68                 |
| QPSK       | 704                     | 23060      | 10 | 25      | 0         | 25.29                 |
| QPSK       | 704                     | 23060      | 10 | 25      | 12        | 25.09                 |
| QPSK       | 704                     | 23060      | 10 | 25      | 25        | 25.21                 |
| QPSK       | 704                     | 23060      | 10 | 50      | 0         | 25.14                 |
| QPSK       | 707.5                   | 23095      | 10 | 1       | 0         | 26.56                 |
| QPSK       | 707.5                   | 23095      | 10 | 1       | 25        | 26.68                 |
| QPSK       | 707.5                   | 23095      | 10 | 1       | 49        | 26.87                 |
| QPSK       | 707.5                   | 23095      | 10 | 25      | 0         | 25.28                 |
| QPSK       | 707.5                   | 23095      | 10 | 25      | 12        | 25.55                 |
| QPSK       | 707.5                   | 23095      | 10 | 25      | 25        | 25.52                 |
| QPSK       | 707.5                   | 23095      | 10 | 50      | 0         | 25.63                 |
| QPSK       | 711                     | 23130      | 10 | 1       | 0         | 26.68                 |
| QPSK       | 711                     | 23130      | 10 | 1       | 25        | 26.86                 |
| QPSK       | 711                     | 23130      | 10 | 1       | 49        | 26.69                 |
| QPSK       | 711                     | 23130      | 10 | 25      | 0         | 25.39                 |
| QPSK       | 711                     | 23130      | 10 | 25      | 12        | 25.55                 |
| QPSK       | 711                     | 23130      | 10 | 25      | 25        | 25.41                 |
| QPSK       | 711                     | 23130      | 10 | 50      | 0         | 25.63                 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|
| 16QAM      | 704                     | 23060      | 10 | 1       | 0         | 25.35                 |
| 16QAM      | 704                     | 23060      | 10 | 1       | 25        | 25.04                 |
| 16QAM      | 704                     | 23060      | 10 | 1       | 49        | 25.33                 |
| 16QAM      | 704                     | 23060      | 10 | 25      | 0         | 24.46                 |
| 16QAM      | 704                     | 23060      | 10 | 25      | 12        | 24.44                 |
| 16QAM      | 704                     | 23060      | 10 | 25      | 25        | 24.50                 |
| 16QAM      | 704                     | 23060      | 10 | 50      | 0         | 24.26                 |
| 16QAM      | 707.5                   | 23095      | 10 | 1       | 0         | 25.59                 |
| 16QAM      | 707.5                   | 23095      | 10 | 1       | 25        | 25.21                 |
| 16QAM      | 707.5                   | 23095      | 10 | 1       | 49        | 25.42                 |
| 16QAM      | 707.5                   | 23095      | 10 | 25      | 0         | 24.58                 |
| 16QAM      | 707.5                   | 23095      | 10 | 25      | 12        | 24.80                 |
| 16QAM      | 707.5                   | 23095      | 10 | 25      | 25        | 24.89                 |
| 16QAM      | 707.5                   | 23095      | 10 | 50      | 0         | 24.64                 |
| 16QAM      | 711                     | 23130      | 10 | 1       | 0         | 25.14                 |
| 16QAM      | 711                     | 23130      | 10 | 1       | 25        | 25.82                 |
| 16QAM      | 711                     | 23130      | 10 | 1       | 49        | 25.40                 |
| 16QAM      | 711                     | 23130      | 10 | 25      | 0         | 24.80                 |
| 16QAM      | 711                     | 23130      | 10 | 25      | 12        | 24.68                 |
| 16QAM      | 711                     | 23130      | 10 | 25      | 25        | 24.68                 |
| 16QAM      | 711                     | 23130      | 10 | 50      | 0         | 24.62                 |
| 64QAM      | 704                     | 23060      | 10 | 1       | 0         | 24.88                 |
| 64QAM      | 704                     | 23060      | 10 | 1       | 25        | 24.50                 |
| 64QAM      | 704                     | 23060      | 10 | 1       | 49        | 24.96                 |
| 64QAM      | 704                     | 23060      | 10 | 25      | 0         | 22.81                 |
| 64QAM      | 704                     | 23060      | 10 | 25      | 12        | 22.83                 |
| 64QAM      | 704                     | 23060      | 10 | 25      | 25        | 22.92                 |
| 64QAM      | 704                     | 23060      | 10 | 50      | 0         | 22.73                 |
| 64QAM      | 707.5                   | 23095      | 10 | 1       | 0         | 24.31                 |
| 64QAM      | 707.5                   | 23095      | 10 | 1       | 25        | 25.15                 |
| 64QAM      | 707.5                   | 23095      | 10 | 1       | 49        | 25.17                 |
| 64QAM      | 707.5                   | 23095      | 10 | 25      | 0         | 22.97                 |
| 64QAM      | 707.5                   | 23095      | 10 | 25      | 12        | 23.01                 |
| 64QAM      | 707.5                   | 23095      | 10 | 25      | 25        | 22.97                 |
| 64QAM      | 707.5                   | 23095      | 10 | 50      | 0         | 23.02                 |
| 64QAM      | 711                     | 23130      | 10 | 1       | 0         | 24.38                 |
| 64QAM      | 711                     | 23130      | 10 | 1       | 25        | 24.69                 |
| 64QAM      | 711                     | 23130      | 10 | 1       | 49        | 25.01                 |
| 64QAM      | 711                     | 23130      | 10 | 25      | 0         | 22.93                 |
| 64QAM      | 711                     | 23130      | 10 | 25      | 12        | 23.16                 |
| 64QAM      | 711                     | 23130      | 10 | 25      | 25        | 23.14                 |
| 64QAM      | 711                     | 23130      | 10 | 50      | 0         | 23.11                 |

## 2 Occupied Bandwidth

| Band | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |
|------|------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|
| 12   | QPSK | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.08                         | Fig.1  |
| 12   | QPSK | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.08                         | Fig.2  |
| 12   | QPSK | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.07                         | Fig.3  |
| 12   | QPSK | 700.5                   | 23025   | 3        | 15      | 0         | 2.68                         | Fig.4  |
| 12   | QPSK | 707.5                   | 23095   | 3        | 15      | 0         | 2.68                         | Fig.5  |
| 12   | QPSK | 714.5                   | 23165   | 3        | 15      | 0         | 2.68                         | Fig.6  |
| 12   | QPSK | 701.5                   | 23035   | 5        | 25      | 0         | 4.45                         | Fig.7  |
| 12   | QPSK | 707.5                   | 23095   | 5        | 25      | 0         | 4.45                         | Fig.8  |
| 12   | QPSK | 713.5                   | 23155   | 5        | 25      | 0         | 4.46                         | Fig.9  |
| 12   | QPSK | 704                     | 23060   | 10       | 50      | 0         | 8.91                         | Fig.10 |
| 12   | QPSK | 707.5                   | 23095   | 10       | 50      | 0         | 8.92                         | Fig.11 |
| 12   | QPSK | 711                     | 23130   | 10       | 50      | 0         | 8.91                         | Fig.12 |

| Band | Mode  | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |
|------|-------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|
| 12   | 16QAM | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.08                         | Fig.13 |
| 12   | 16QAM | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.08                         | Fig.14 |
| 12   | 16QAM | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.08                         | Fig.15 |
| 12   | 16QAM | 700.5                   | 23025   | 3        | 15      | 0         | 2.67                         | Fig.16 |
| 12   | 16QAM | 707.5                   | 23095   | 3        | 15      | 0         | 2.68                         | Fig.17 |
| 12   | 16QAM | 714.5                   | 23165   | 3        | 15      | 0         | 2.68                         | Fig.18 |
| 12   | 16QAM | 701.5                   | 23035   | 5        | 25      | 0         | 4.45                         | Fig.19 |
| 12   | 16QAM | 707.5                   | 23095   | 5        | 25      | 0         | 4.44                         | Fig.20 |
| 12   | 16QAM | 713.5                   | 23155   | 5        | 25      | 0         | 4.45                         | Fig.21 |
| 12   | 16QAM | 704                     | 23060   | 10       | 50      | 0         | 8.91                         | Fig.22 |
| 12   | 16QAM | 707.5                   | 23095   | 10       | 50      | 0         | 8.88                         | Fig.23 |
| 12   | 16QAM | 711                     | 23130   | 10       | 50      | 0         | 8.90                         | Fig.24 |

| Band | Mode  | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |
|------|-------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|
| 12   | 64QAM | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.08                         | Fig.25 |
| 12   | 64QAM | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.08                         | Fig.26 |
| 12   | 64QAM | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.08                         | Fig.27 |
| 12   | 64QAM | 700.5                   | 23025   | 3        | 15      | 0         | 2.68                         | Fig.28 |
| 12   | 64QAM | 707.5                   | 23095   | 3        | 15      | 0         | 2.68                         | Fig.29 |
| 12   | 64QAM | 714.5                   | 23165   | 3        | 15      | 0         | 2.67                         | Fig.30 |
| 12   | 64QAM | 701.5                   | 23035   | 5        | 25      | 0         | 4.45                         | Fig.31 |
| 12   | 64QAM | 707.5                   | 23095   | 5        | 25      | 0         | 4.46                         | Fig.32 |
| 12   | 64QAM | 713.5                   | 23155   | 5        | 25      | 0         | 4.46                         | Fig.33 |
| 12   | 64QAM | 704                     | 23060   | 10       | 50      | 0         | 8.94                         | Fig.34 |
| 12   | 64QAM | 707.5                   | 23095   | 10       | 50      | 0         | 8.91                         | Fig.35 |
| 12   | 64QAM | 711                     | 23130   | 10       | 50      | 0         | 8.92                         | Fig.36 |

Test Mode: QPSK

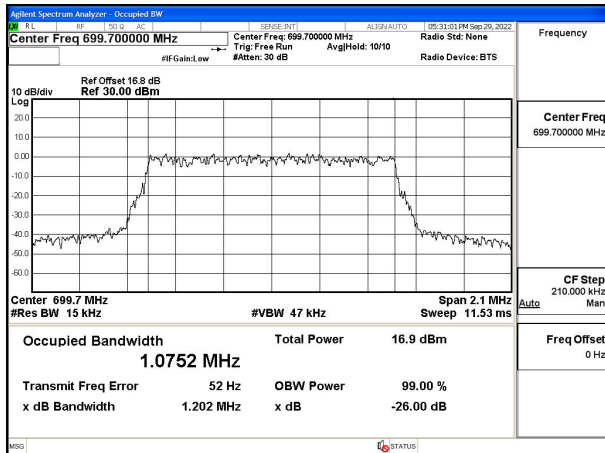


Fig.1

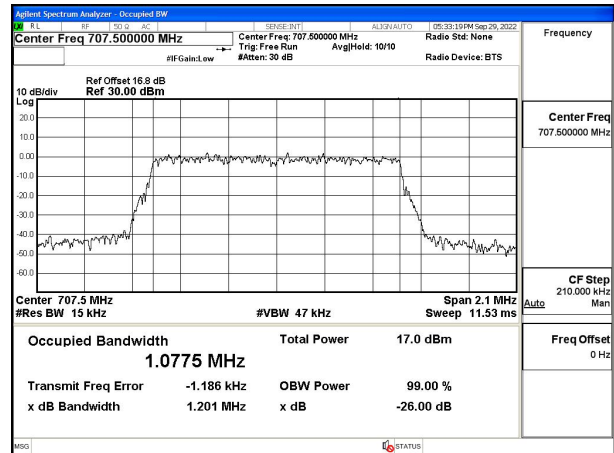


Fig.2

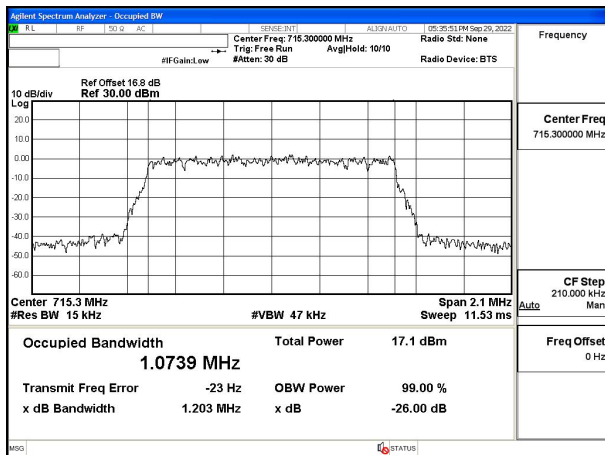


Fig.3

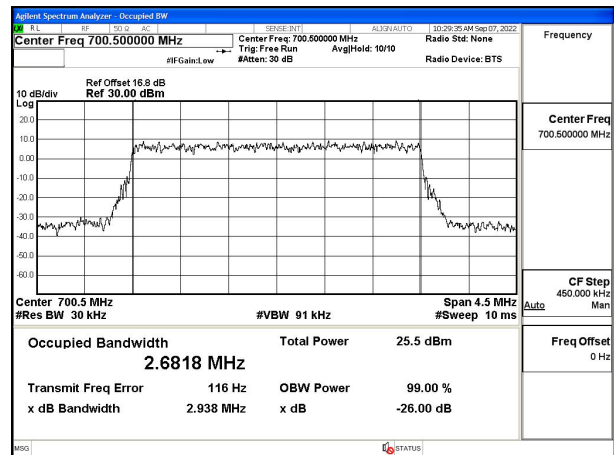


Fig.4

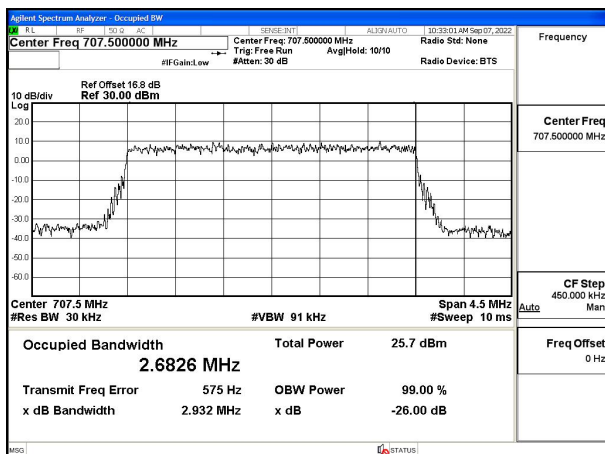


Fig.5

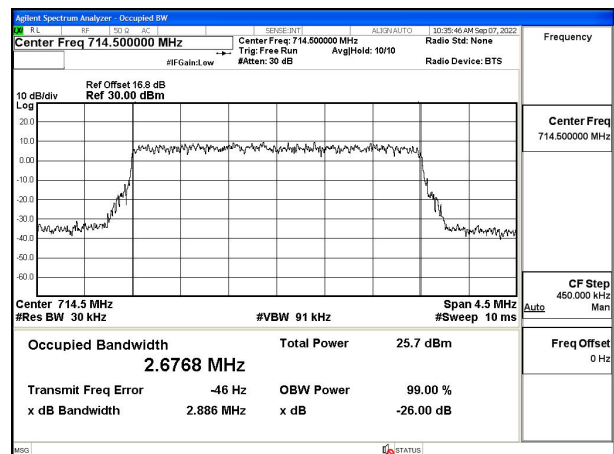


Fig.6

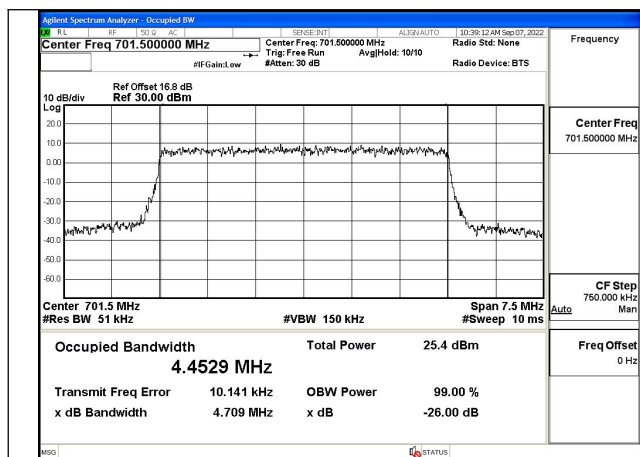


Fig.7

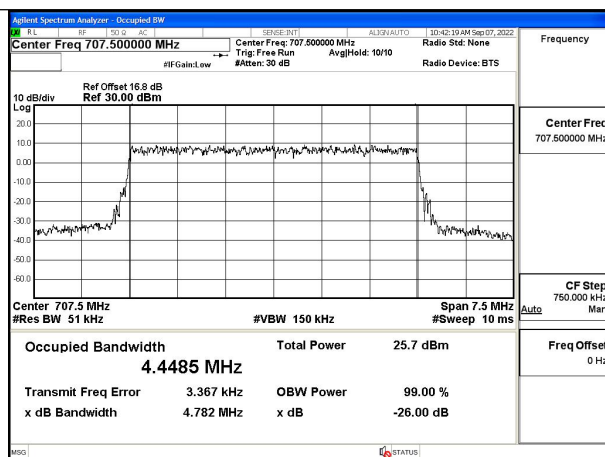


Fig.8

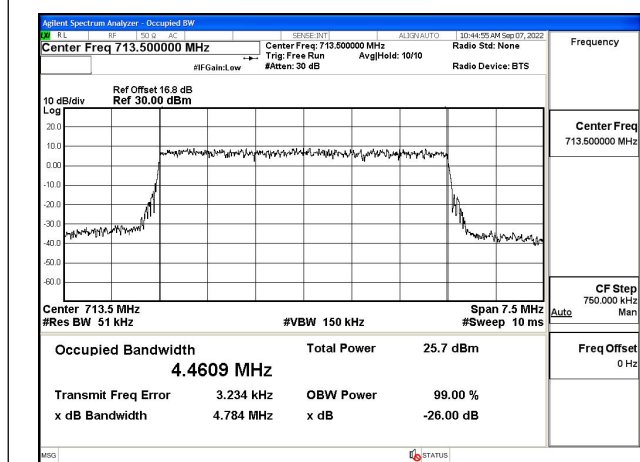


Fig.9

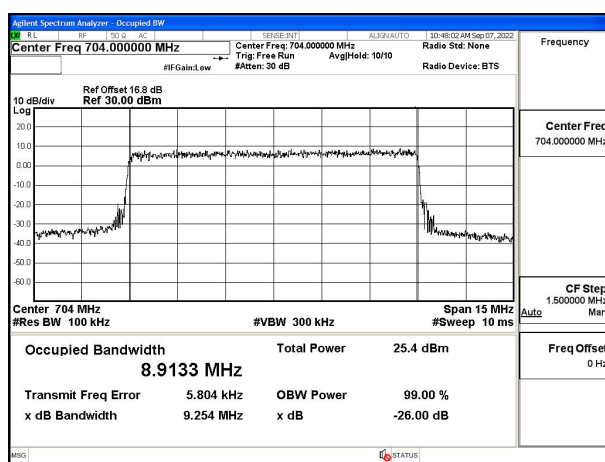


Fig.10

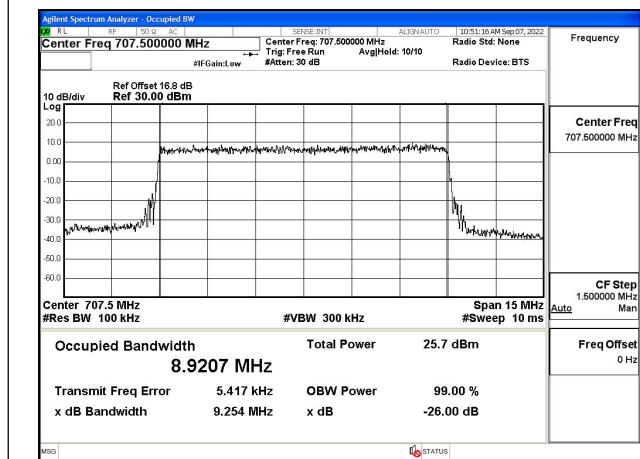


Fig.11

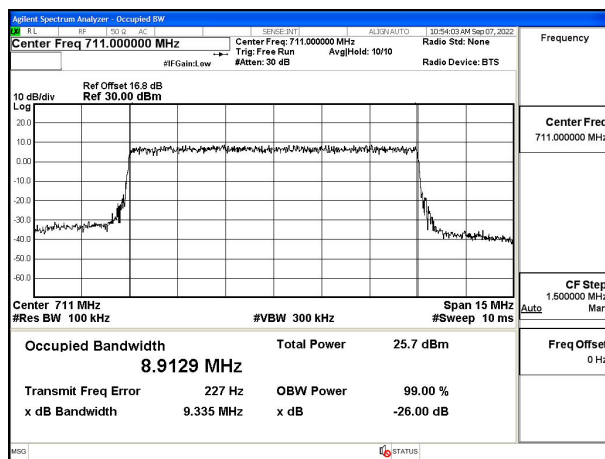


Fig.12

Test Mode: 16QAM

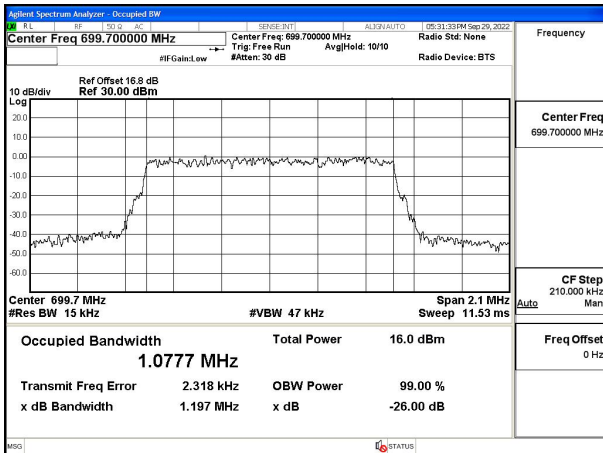


Fig.13

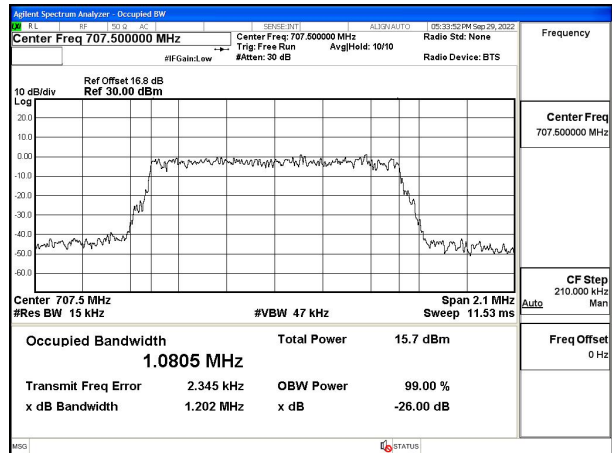


Fig.14

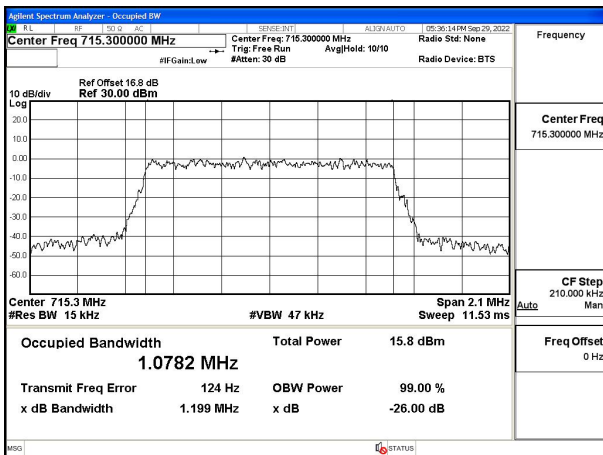


Fig.15

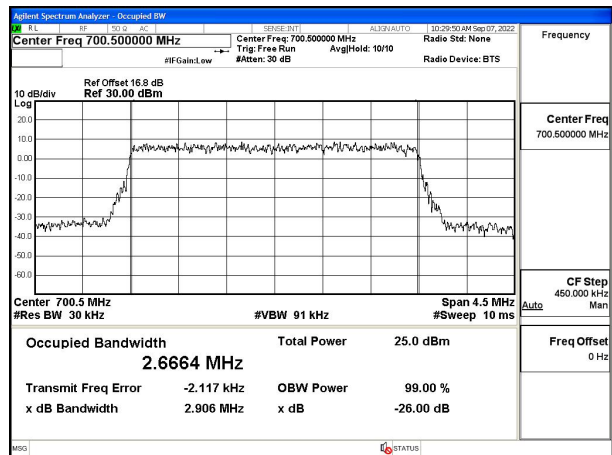


Fig.16

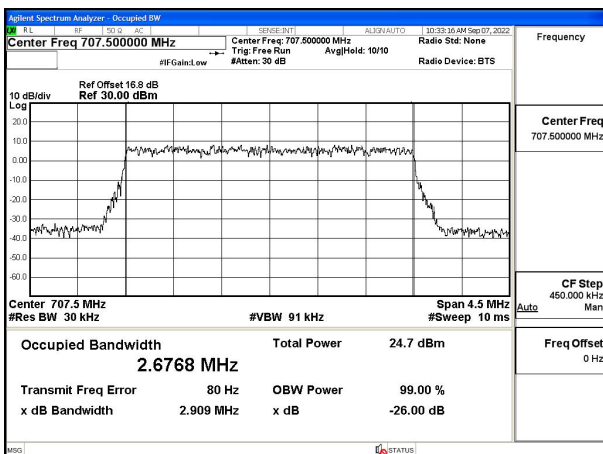


Fig.17

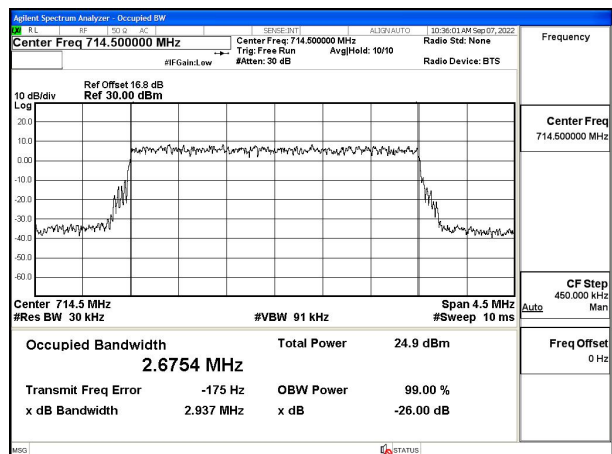


Fig.18

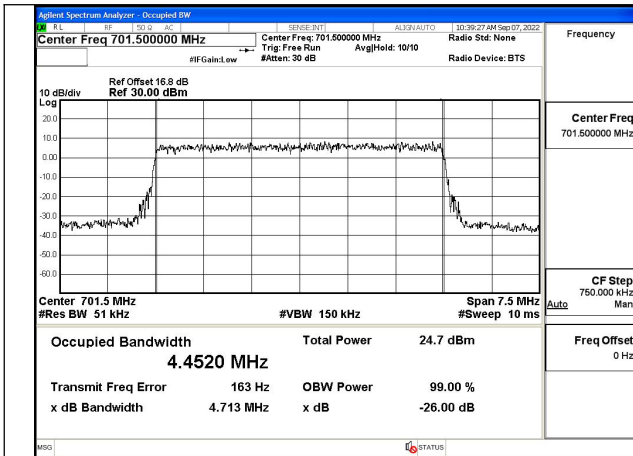


Fig.19

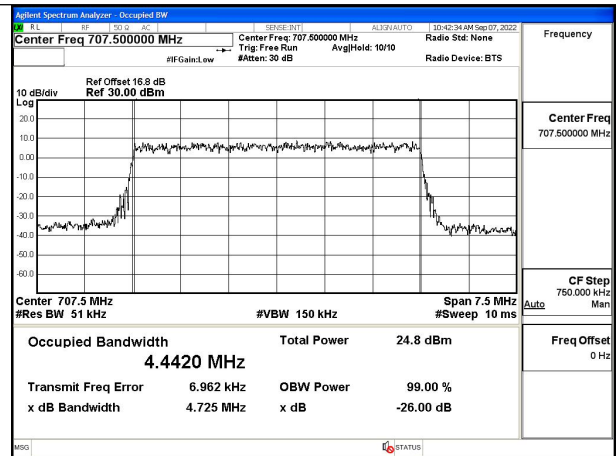


Fig.20

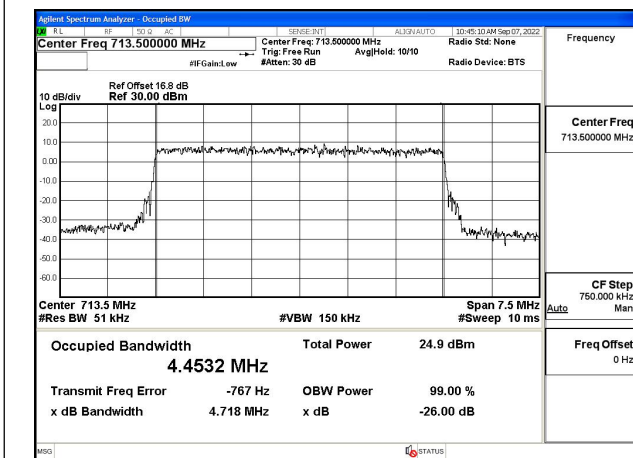


Fig.21

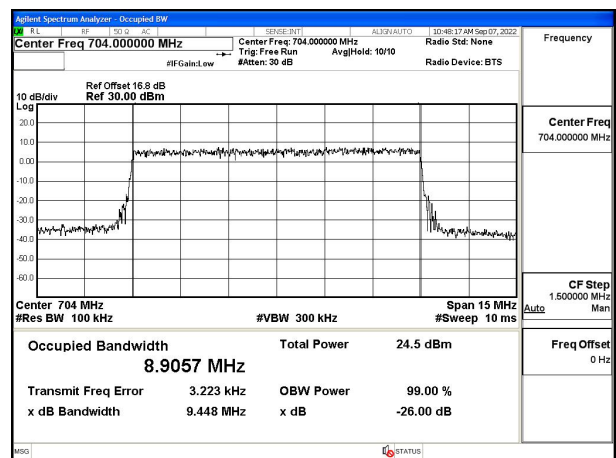


Fig.22

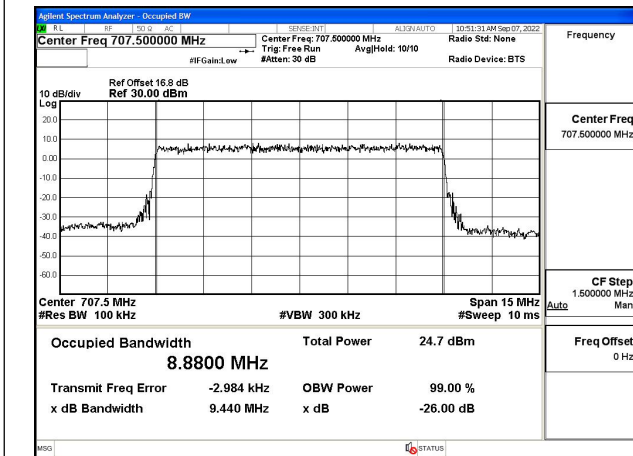


Fig.23

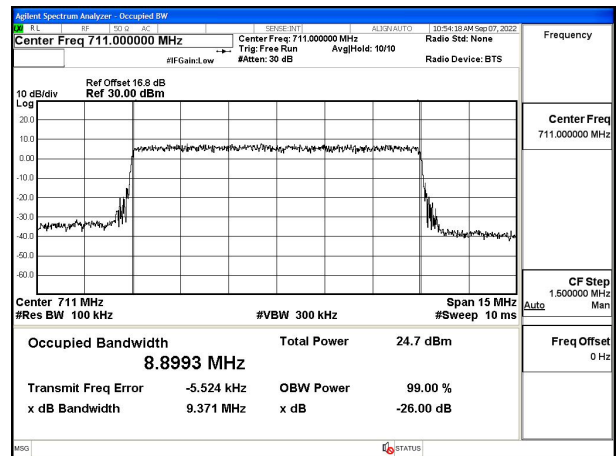


Fig.24

Test Mode: 64QAM

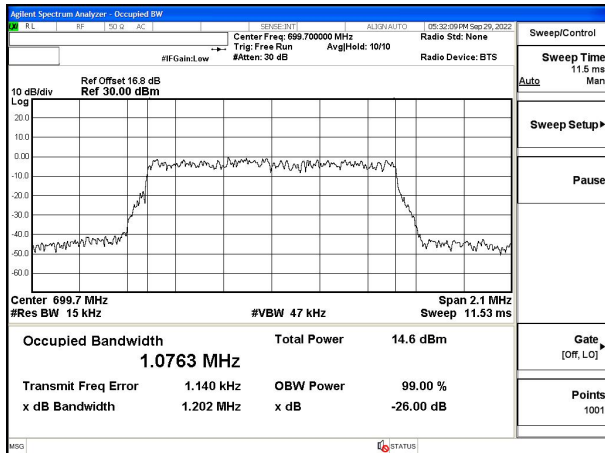


Fig.25

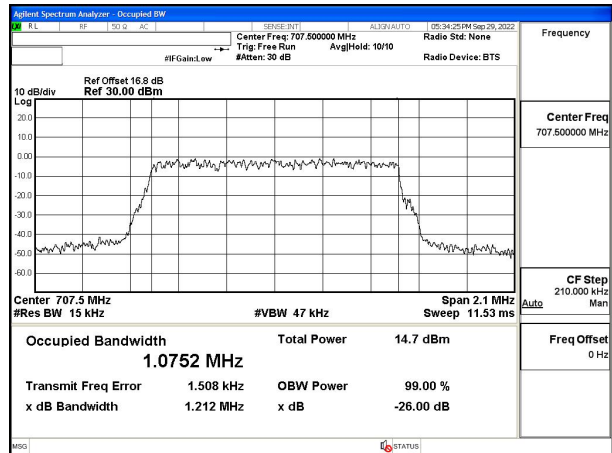


Fig.26

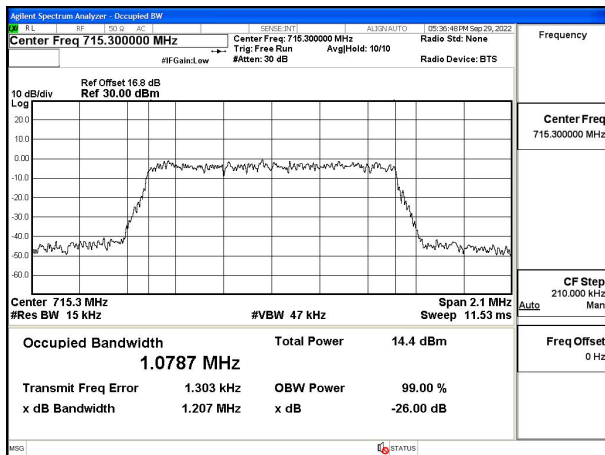


Fig.27

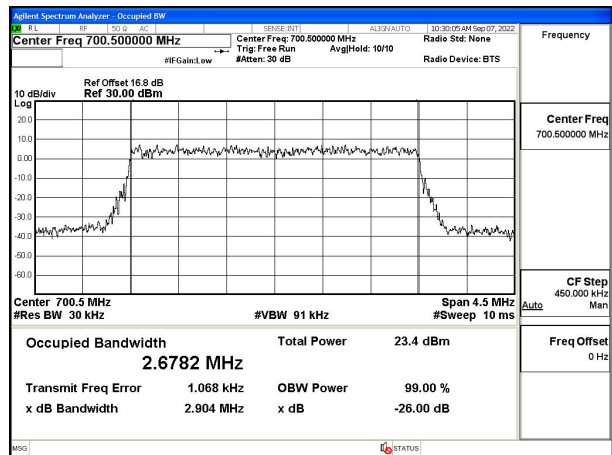


Fig.28

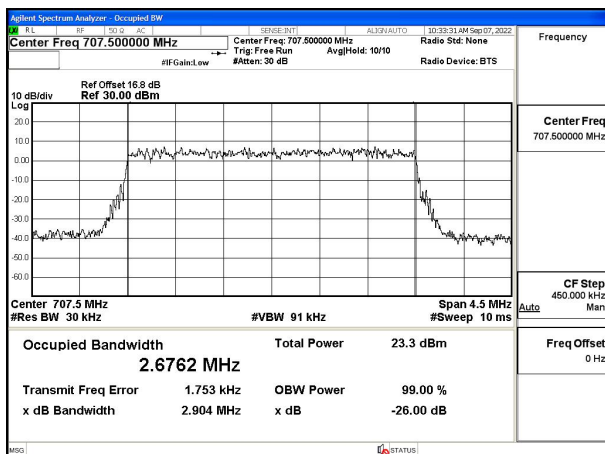


Fig.29

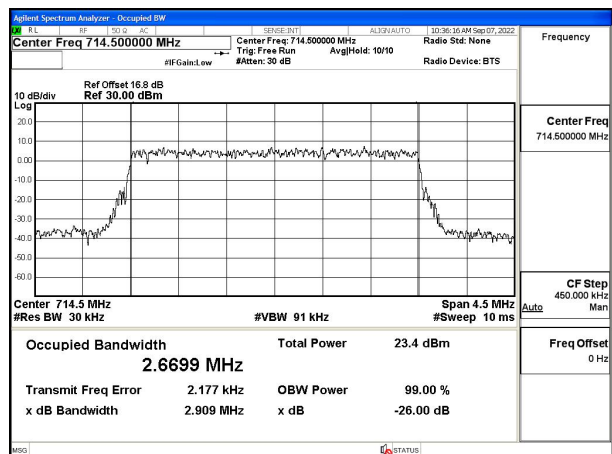


Fig.30

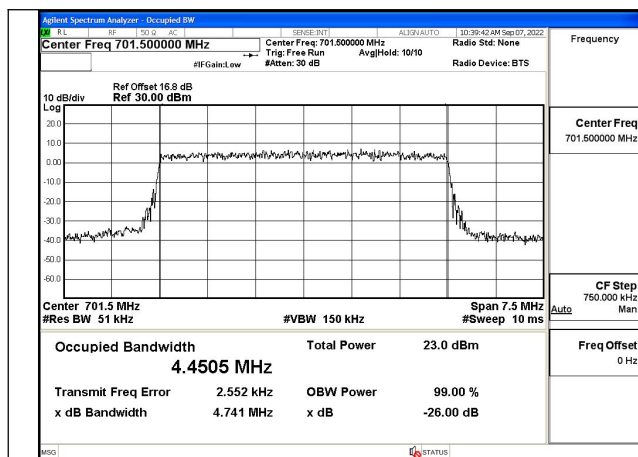


Fig.31

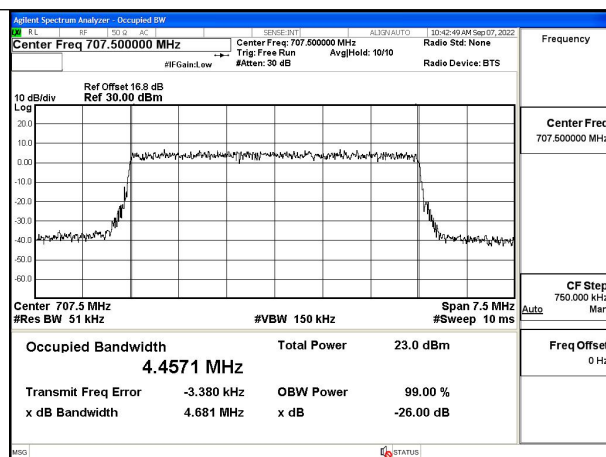


Fig.32

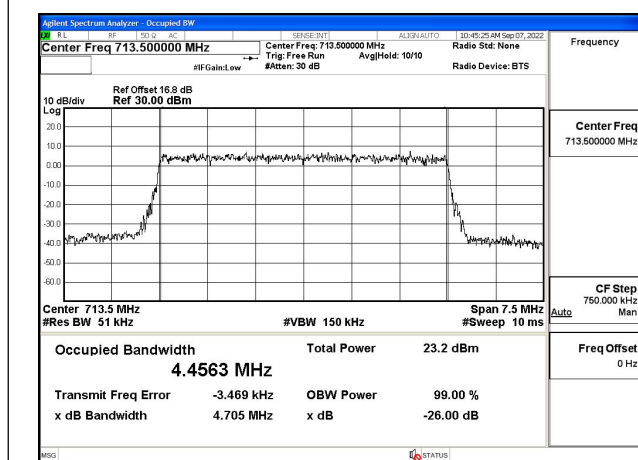


Fig.33

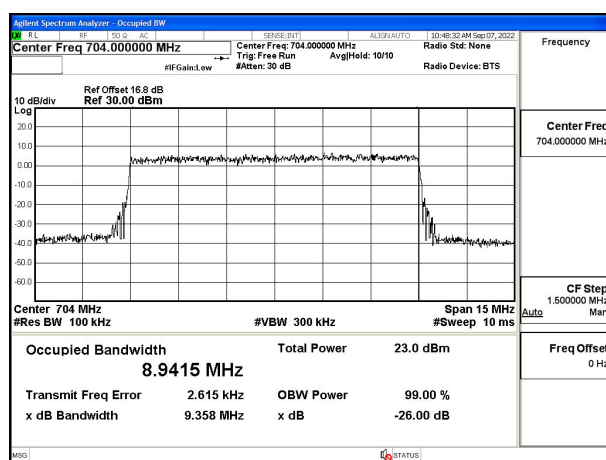


Fig.34

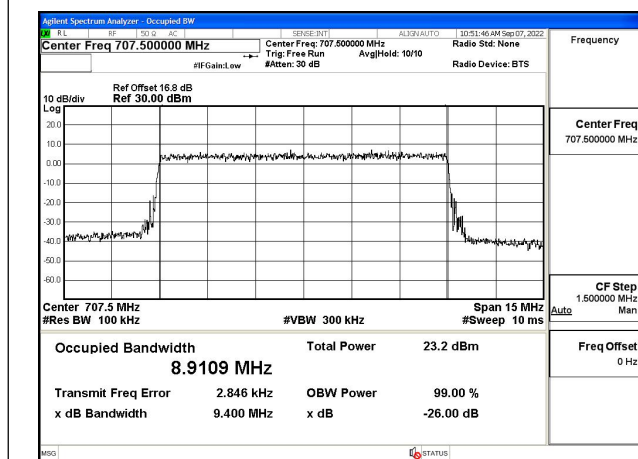


Fig.35

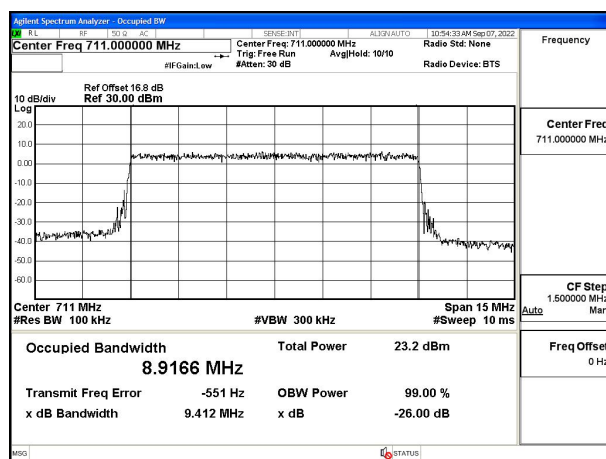


Fig.36

### 3 Emission Bandwidth

| Band | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |        |
|------|------|-------------------------|---------|----------|---------|-----------|--------------------------------------------|--------|
| 12   | QPSK | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.20                                       | Fig.1  |
| 12   | QPSK | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.20                                       | Fig.2  |
| 12   | QPSK | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.20                                       | Fig.3  |
| 12   | QPSK | 700.5                   | 23025   | 3        | 15      | 0         | 2.94                                       | Fig.4  |
| 12   | QPSK | 707.5                   | 23095   | 3        | 15      | 0         | 2.93                                       | Fig.5  |
| 12   | QPSK | 714.5                   | 23165   | 3        | 15      | 0         | 2.89                                       | Fig.6  |
| 12   | QPSK | 701.5                   | 23035   | 5        | 25      | 0         | 4.71                                       | Fig.7  |
| 12   | QPSK | 707.5                   | 23095   | 5        | 25      | 0         | 4.78                                       | Fig.8  |
| 12   | QPSK | 713.5                   | 23155   | 5        | 25      | 0         | 4.78                                       | Fig.9  |
| 12   | QPSK | 704                     | 23060   | 10       | 50      | 0         | 9.25                                       | Fig.10 |
| 12   | QPSK | 707.5                   | 23095   | 10       | 50      | 0         | 9.25                                       | Fig.11 |
| 12   | QPSK | 711                     | 23130   | 10       | 50      | 0         | 9.34                                       | Fig.12 |

| Band | Mode  | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |        |
|------|-------|-------------------------|---------|----------|---------|-----------|--------------------------------------------|--------|
| 12   | 16QAM | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.20                                       | Fig.13 |
| 12   | 16QAM | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.20                                       | Fig.14 |
| 12   | 16QAM | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.20                                       | Fig.15 |
| 12   | 16QAM | 700.5                   | 23025   | 3        | 15      | 0         | 2.91                                       | Fig.16 |
| 12   | 16QAM | 707.5                   | 23095   | 3        | 15      | 0         | 2.91                                       | Fig.17 |
| 12   | 16QAM | 714.5                   | 23165   | 3        | 15      | 0         | 2.94                                       | Fig.18 |
| 12   | 16QAM | 701.5                   | 23035   | 5        | 25      | 0         | 4.71                                       | Fig.19 |
| 12   | 16QAM | 707.5                   | 23095   | 5        | 25      | 0         | 4.72                                       | Fig.20 |
| 12   | 16QAM | 713.5                   | 23155   | 5        | 25      | 0         | 4.72                                       | Fig.21 |
| 12   | 16QAM | 704                     | 23060   | 10       | 50      | 0         | 9.45                                       | Fig.22 |
| 12   | 16QAM | 707.5                   | 23095   | 10       | 50      | 0         | 9.44                                       | Fig.23 |
| 12   | 16QAM | 711                     | 23130   | 10       | 50      | 0         | 9.37                                       | Fig.24 |

| Band | Mode  | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) |        |
|------|-------|-------------------------|---------|----------|---------|-----------|--------------------------------------------|--------|
| 12   | 64QAM | 699.7                   | 23017   | 1.4      | 6       | 0         | 1.20                                       | Fig.25 |
| 12   | 64QAM | 707.5                   | 23095   | 1.4      | 6       | 0         | 1.21                                       | Fig.26 |
| 12   | 64QAM | 715.3                   | 23173   | 1.4      | 6       | 0         | 1.21                                       | Fig.27 |
| 12   | 64QAM | 700.5                   | 23025   | 3        | 15      | 0         | 2.90                                       | Fig.28 |
| 12   | 64QAM | 707.5                   | 23095   | 3        | 15      | 0         | 2.90                                       | Fig.29 |
| 12   | 64QAM | 714.5                   | 23165   | 3        | 15      | 0         | 2.91                                       | Fig.30 |
| 12   | 64QAM | 701.5                   | 23035   | 5        | 25      | 0         | 4.74                                       | Fig.31 |
| 12   | 64QAM | 707.5                   | 23095   | 5        | 25      | 0         | 4.68                                       | Fig.32 |
| 12   | 64QAM | 713.5                   | 23155   | 5        | 25      | 0         | 4.70                                       | Fig.33 |
| 12   | 64QAM | 704                     | 23060   | 10       | 50      | 0         | 9.36                                       | Fig.34 |
| 12   | 64QAM | 707.5                   | 23095   | 10       | 50      | 0         | 9.40                                       | Fig.35 |
| 12   | 64QAM | 711                     | 23130   | 10       | 50      | 0         | 9.41                                       | Fig.36 |

Test Mode: QPSK

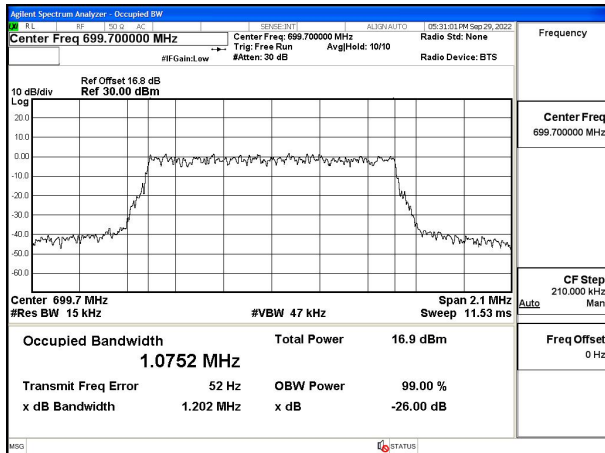


Fig.1

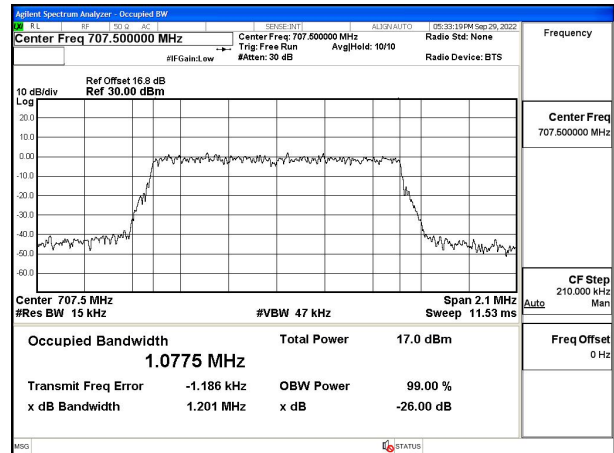


Fig.2

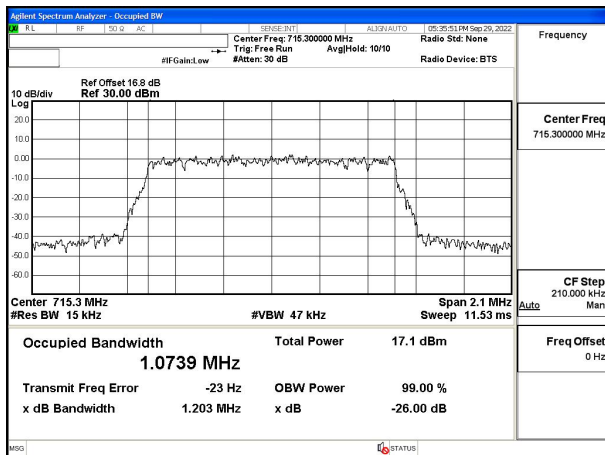


Fig.3

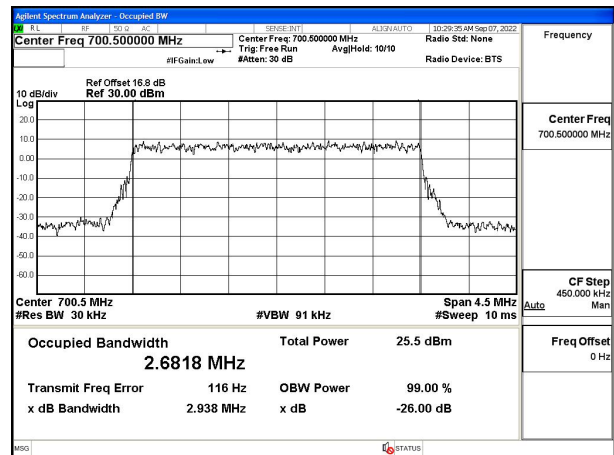


Fig.4

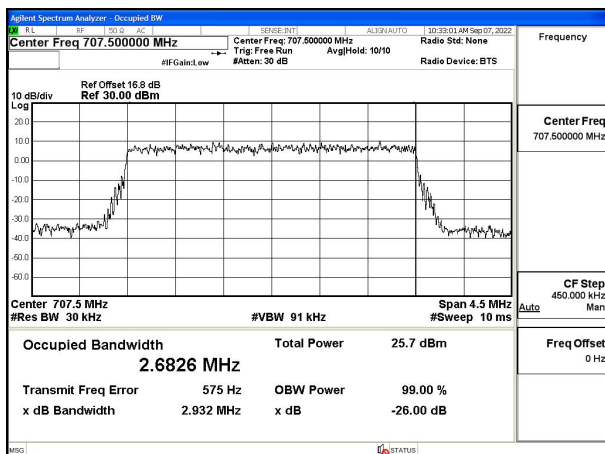


Fig.5

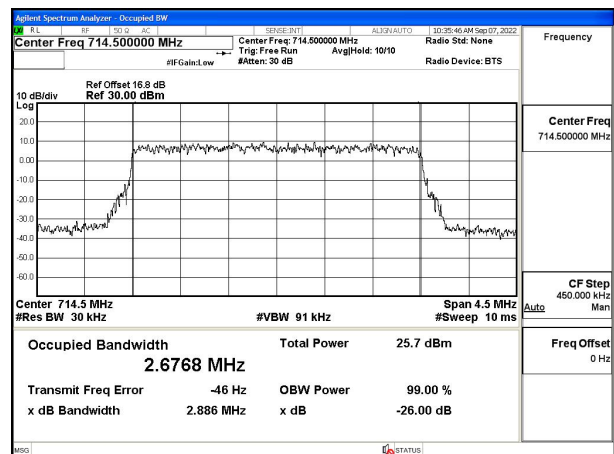


Fig.6

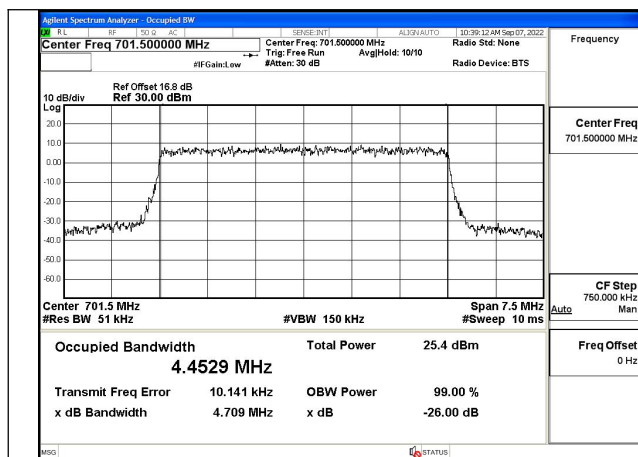


Fig.7

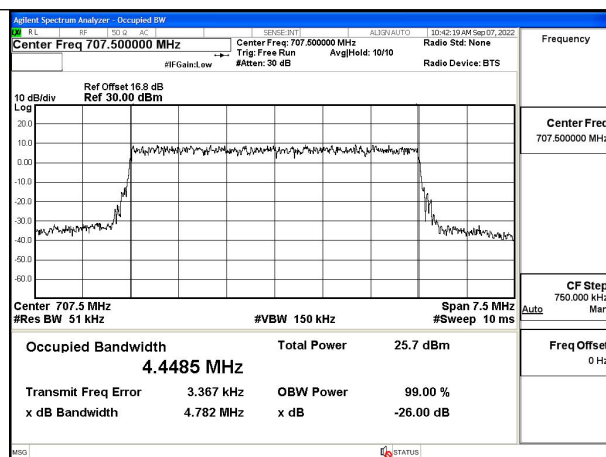


Fig.8

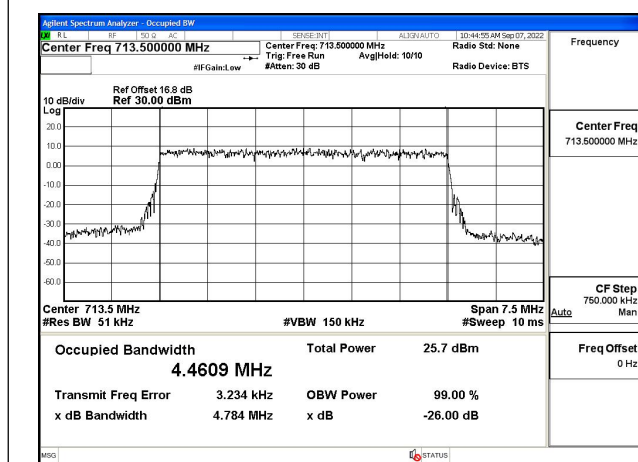


Fig.9

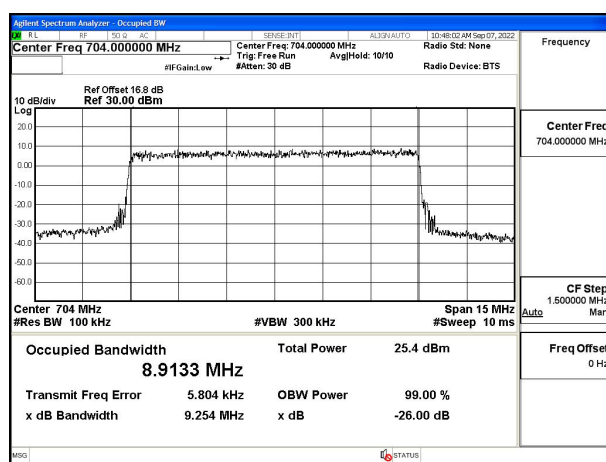


Fig.10

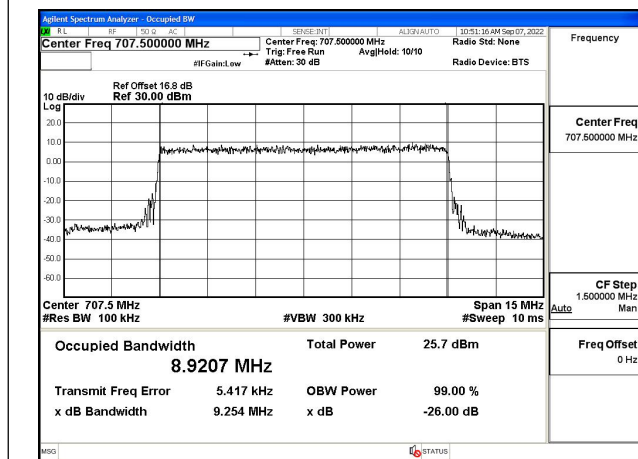


Fig.11

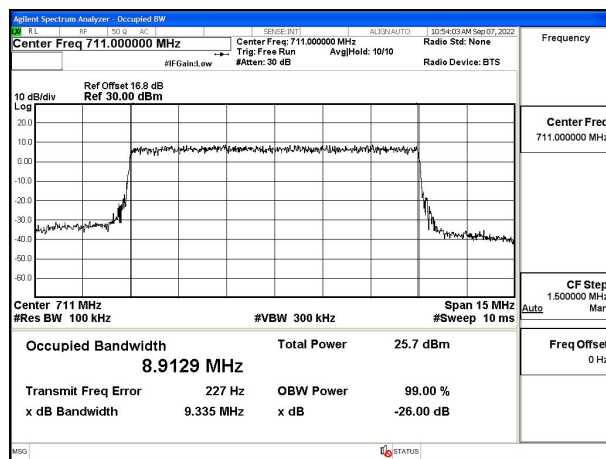


Fig.12

Test Mode: 16QAM

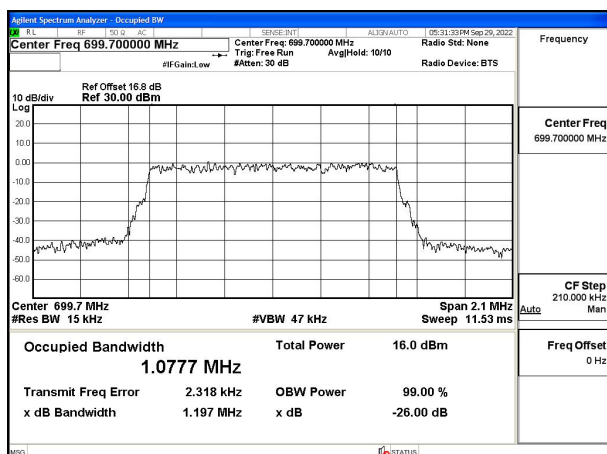


Fig.13

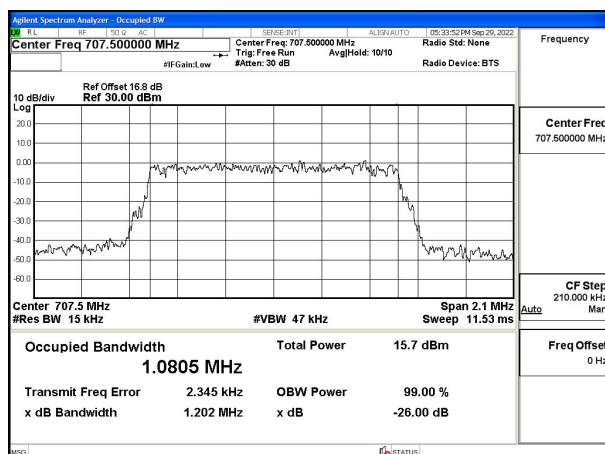


Fig.14

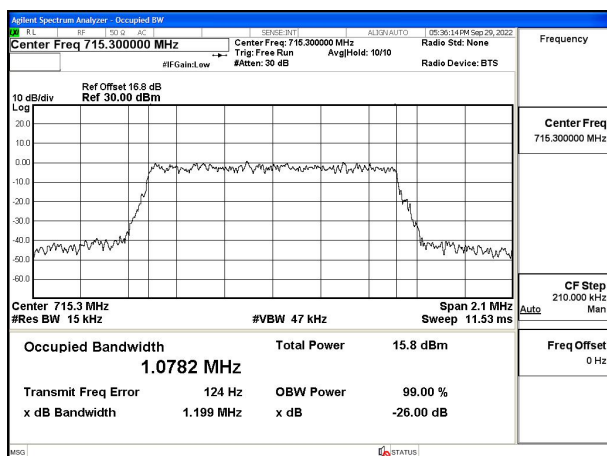


Fig.15

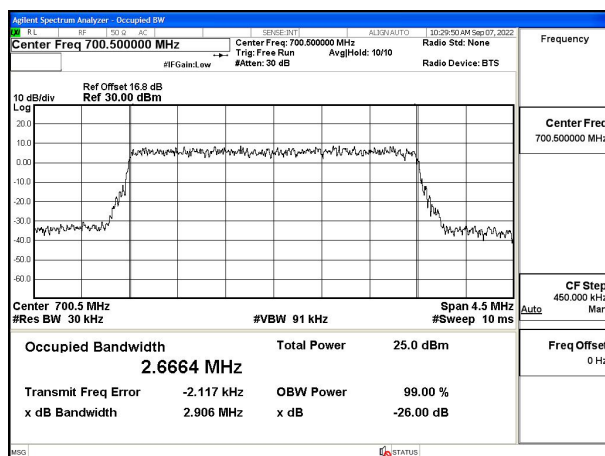


Fig.16

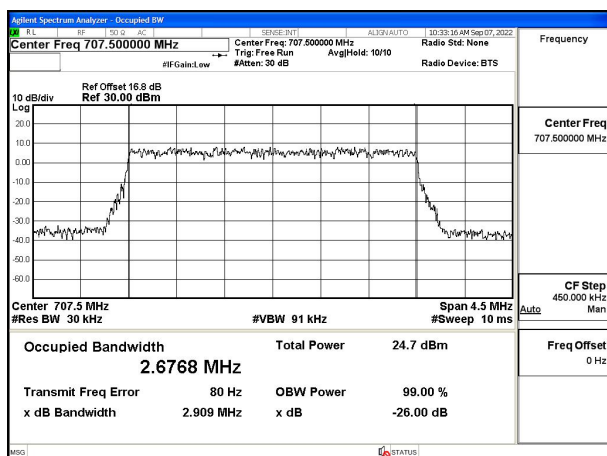


Fig.17

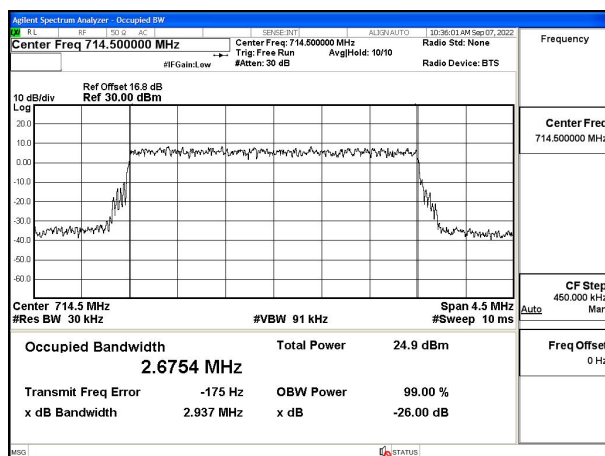


Fig.18

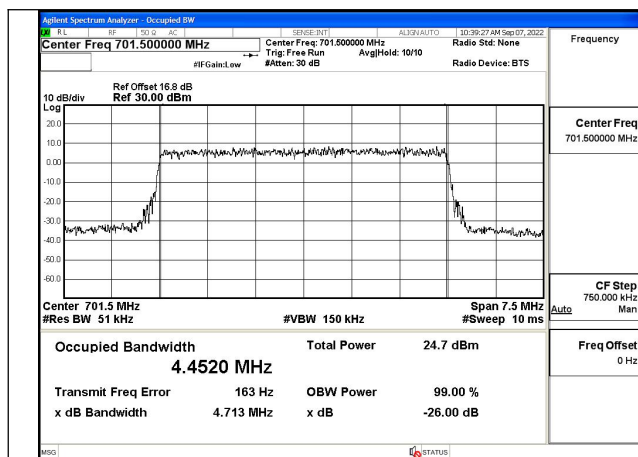


Fig.19

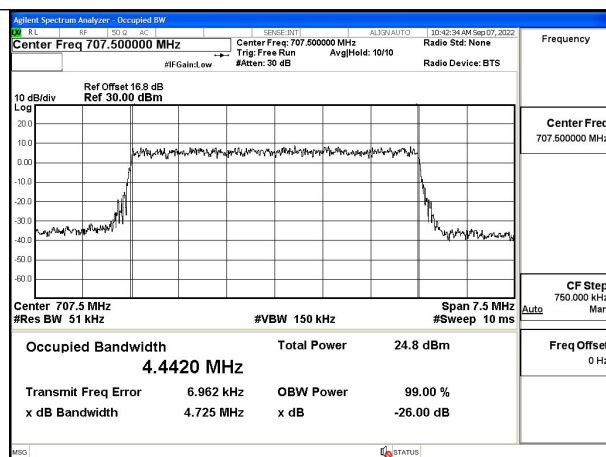


Fig.20

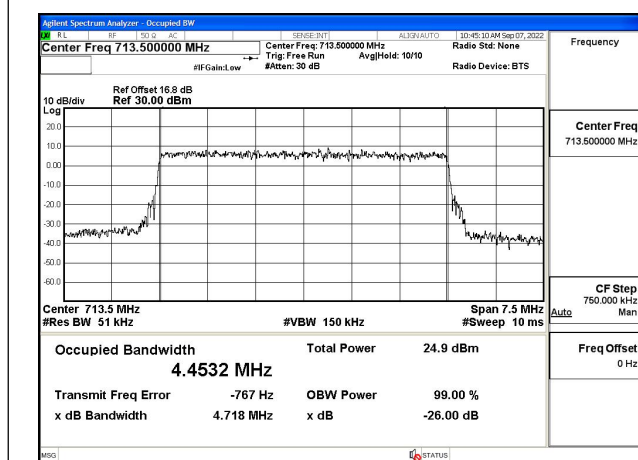


Fig.21

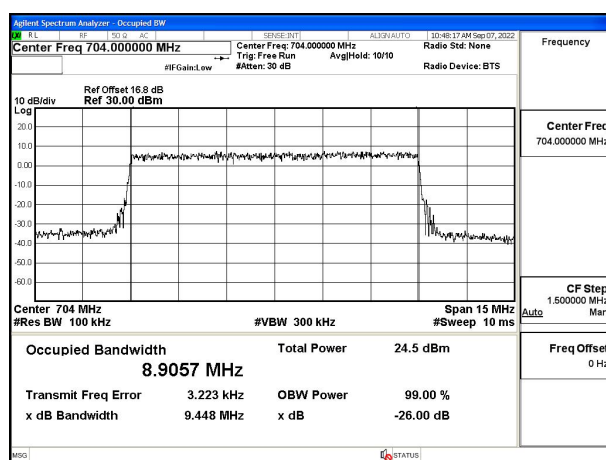


Fig.22

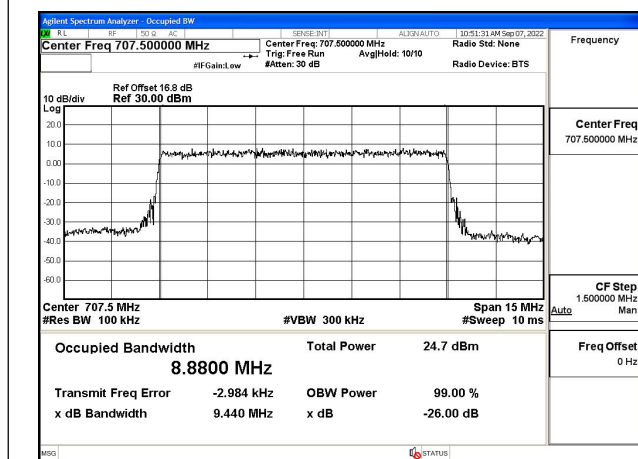


Fig.23

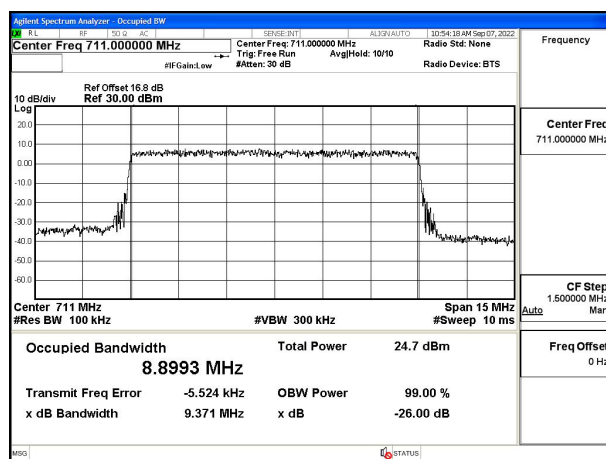


Fig.24

Test Mode: 64QAM

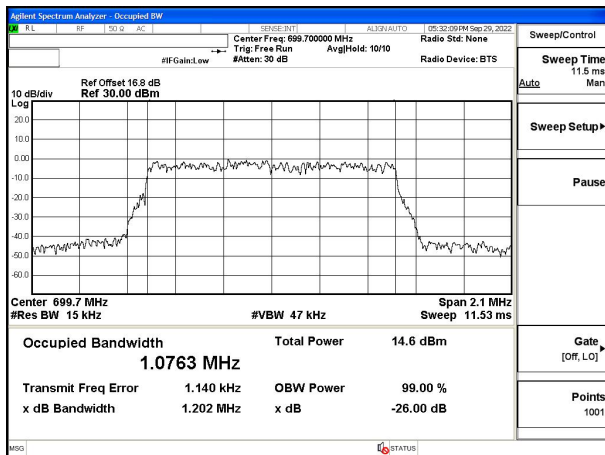


Fig.25

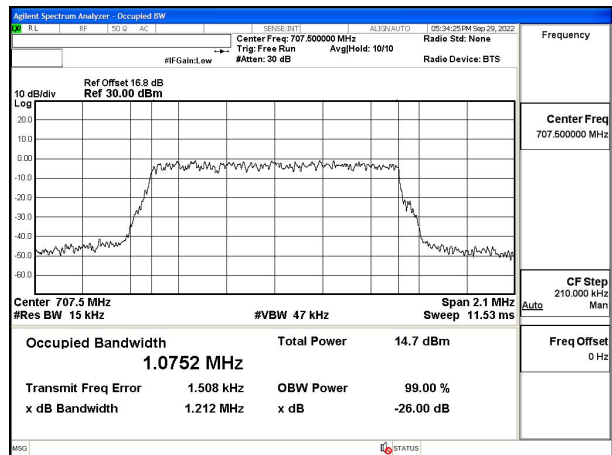


Fig.26

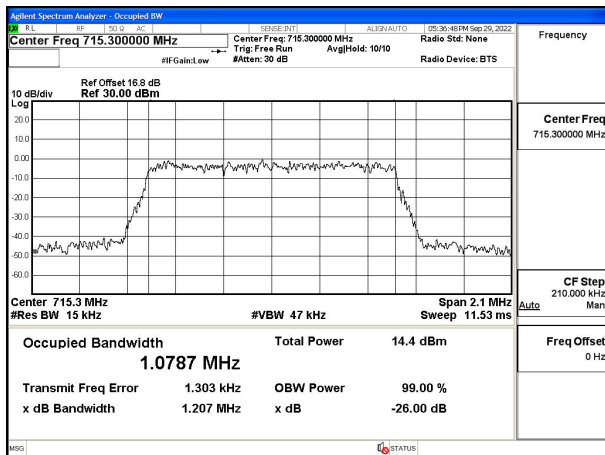


Fig.27

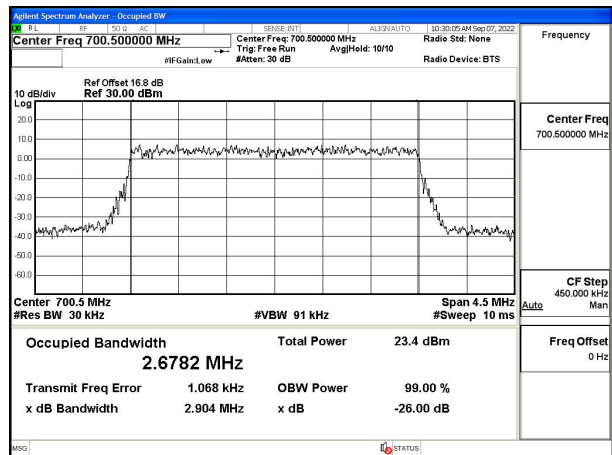


Fig.28

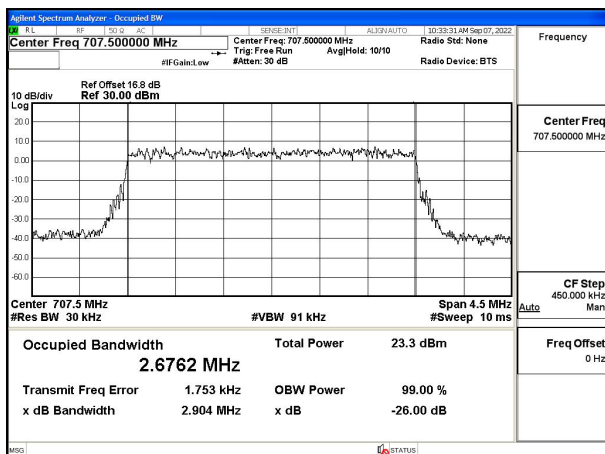


Fig.29

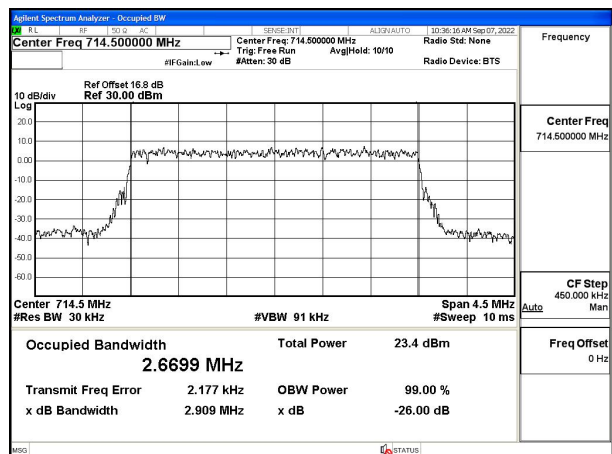


Fig.30

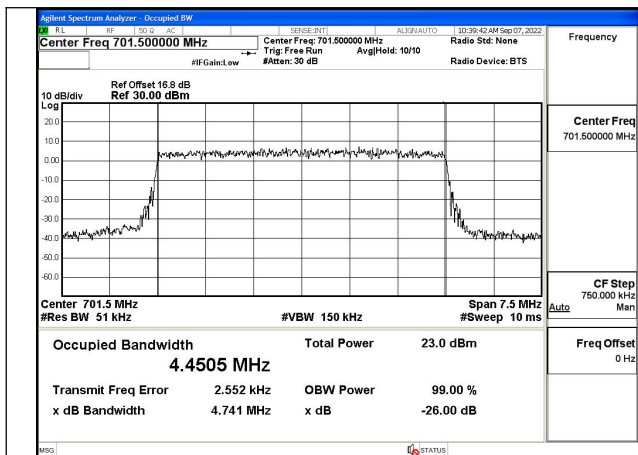


Fig.31

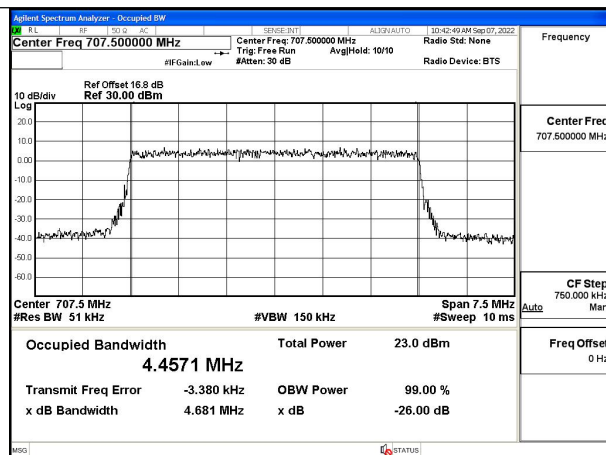


Fig.32

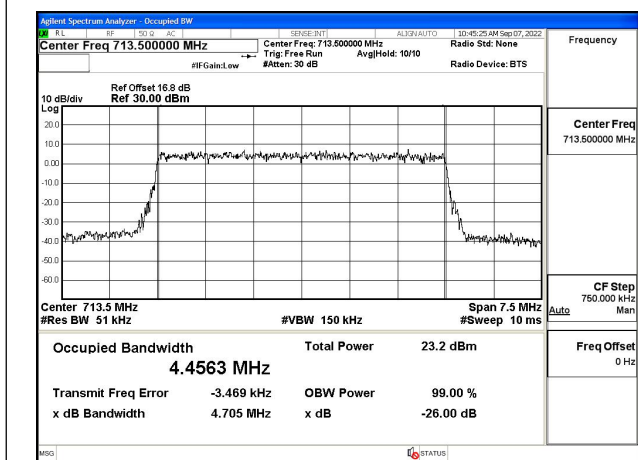


Fig.33

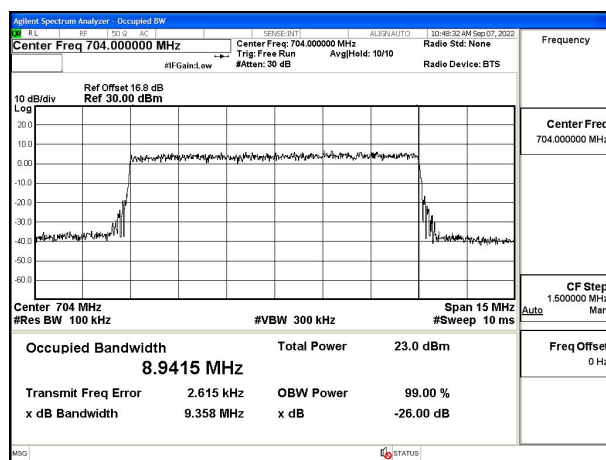


Fig.34

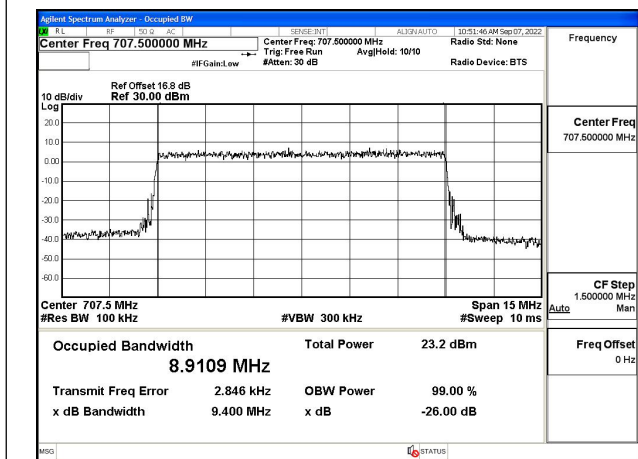


Fig.35

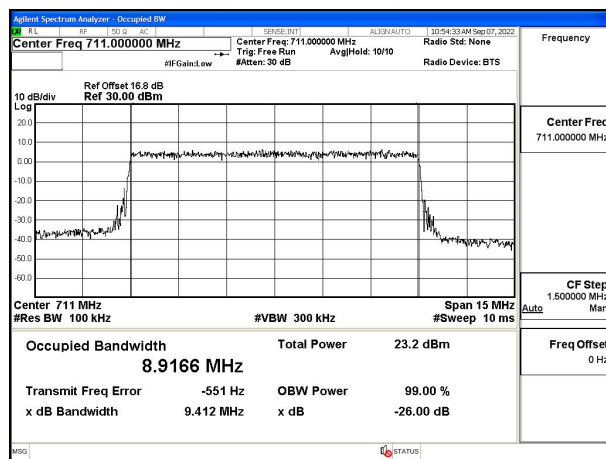


Fig.36

#### 4 Peak-Average Ratio

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | QPSK   | 16-QAM | 64-QAM |
|------|-------------------------|---------|----------|---------|-----------|--------|--------|--------|
| 12   | 699.7                   | 23017   | 1.4      | 1       | 5         | Fig.1  | Fig.2  | Fig.3  |
| 12   | 699.7                   | 23017   | 1.4      | 6       | 0         | Fig.4  | Fig.5  | Fig.6  |
| 12   | 707.5                   | 23095   | 1.4      | 1       | 5         | Fig.7  | Fig.8  | Fig.9  |
| 12   | 707.5                   | 23095   | 1.4      | 6       | 0         | Fig.10 | Fig.11 | Fig.12 |
| 12   | 715.3                   | 23173   | 1.4      | 1       | 5         | Fig.13 | Fig.14 | Fig.15 |
| 12   | 715.3                   | 23173   | 1.4      | 6       | 0         | Fig.16 | Fig.17 | Fig.18 |
| 12   | 700.5                   | 23025   | 3        | 1       | 14        | Fig.19 | Fig.20 | Fig.21 |
| 12   | 700.5                   | 23025   | 3        | 15      | 0         | Fig.22 | Fig.23 | Fig.24 |
| 12   | 707.5                   | 23095   | 3        | 1       | 14        | Fig.25 | Fig.26 | Fig.27 |
| 12   | 707.5                   | 23095   | 3        | 15      | 0         | Fig.28 | Fig.29 | Fig.30 |
| 12   | 714.5                   | 23165   | 3        | 1       | 14        | Fig.31 | Fig.32 | Fig.33 |
| 12   | 714.5                   | 23165   | 3        | 15      | 0         | Fig.34 | Fig.35 | Fig.36 |
| 12   | 701.5                   | 23035   | 5        | 1       | 24        | Fig.37 | Fig.38 | Fig.39 |
| 12   | 701.5                   | 23035   | 5        | 25      | 0         | Fig.40 | Fig.41 | Fig.42 |
| 12   | 707.5                   | 23095   | 5        | 1       | 24        | Fig.43 | Fig.44 | Fig.45 |
| 12   | 707.5                   | 23095   | 5        | 25      | 0         | Fig.46 | Fig.47 | Fig.48 |
| 12   | 713.5                   | 23155   | 5        | 1       | 24        | Fig.49 | Fig.50 | Fig.51 |
| 12   | 713.5                   | 23155   | 5        | 25      | 0         | Fig.52 | Fig.53 | Fig.54 |
| 12   | 704                     | 23060   | 10       | 1       | 49        | Fig.55 | Fig.56 | Fig.57 |
| 12   | 704                     | 23060   | 10       | 50      | 0         | Fig.58 | Fig.59 | Fig.60 |
| 12   | 707.5                   | 23095   | 10       | 1       | 49        | Fig.61 | Fig.62 | Fig.63 |
| 12   | 707.5                   | 23095   | 10       | 50      | 0         | Fig.64 | Fig.65 | Fig.66 |
| 12   | 711                     | 23130   | 10       | 1       | 49        | Fig.67 | Fig.68 | Fig.69 |
| 12   | 711                     | 23130   | 10       | 50      | 0         | Fig.70 | Fig.71 | Fig.72 |