

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

### N78 (3550-3700)

#### 1 RF Power Output

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 3560.01                 | 637334     | 20       | 25      | 12        | 19.55                 |
| DFT-s-OFDM PI/2 BPSK | 3560.01                 | 637334     | 20       | 1       | 1         | 19.58                 |
| DFT-s-OFDM PI/2 BPSK | 3560.01                 | 637334     | 20       | 1       | 49        | 19.37                 |
| DFT-s-OFDM PI/2 BPSK | 3560.01                 | 637334     | 20       | 50      | 0         | 19.55                 |
| DFT-s-OFDM QPSK      | 3560.01                 | 637334     | 20       | 25      | 12        | 24.13                 |
| DFT-s-OFDM QPSK      | 3560.01                 | 637334     | 20       | 1       | 1         | 24.11                 |
| DFT-s-OFDM QPSK      | 3560.01                 | 637334     | 20       | 1       | 49        | 24.02                 |
| DFT-s-OFDM QPSK      | 3560.01                 | 637334     | 20       | 50      | 0         | 23.16                 |
| DFT-s-OFDM 16QAM     | 3560.01                 | 637334     | 20       | 25      | 12        | 23.19                 |
| DFT-s-OFDM 16QAM     | 3560.01                 | 637334     | 20       | 1       | 1         | 23.18                 |
| DFT-s-OFDM 16QAM     | 3560.01                 | 637334     | 20       | 1       | 49        | 23.21                 |
| DFT-s-OFDM 16QAM     | 3560.01                 | 637334     | 20       | 50      | 0         | 22.08                 |
| DFT-s-OFDM 64QAM     | 3560.01                 | 637334     | 20       | 25      | 12        | 21.65                 |
| DFT-s-OFDM 64QAM     | 3560.01                 | 637334     | 20       | 1       | 1         | 21.23                 |
| DFT-s-OFDM 64QAM     | 3560.01                 | 637334     | 20       | 1       | 49        | 21.16                 |
| DFT-s-OFDM 64QAM     | 3560.01                 | 637334     | 20       | 50      | 0         | 21.59                 |
| DFT-s-OFDM 256QAM    | 3560.01                 | 637334     | 20       | 25      | 12        | 19.62                 |
| DFT-s-OFDM 256QAM    | 3560.01                 | 637334     | 20       | 1       | 1         | 19.64                 |
| DFT-s-OFDM 256QAM    | 3560.01                 | 637334     | 20       | 1       | 49        | 19.47                 |
| DFT-s-OFDM 256QAM    | 3560.01                 | 637334     | 20       | 50      | 0         | 19.59                 |
| CP-OFDM QPSK         | 3560.01                 | 637334     | 20       | 25      | 12        | 22.67                 |
| CP-OFDM QPSK         | 3560.01                 | 637334     | 20       | 1       | 1         | 22.64                 |
| CP-OFDM QPSK         | 3560.01                 | 637334     | 20       | 1       | 49        | 22.58                 |
| CP-OFDM QPSK         | 3560.01                 | 637334     | 20       | 51      | 0         | 21.15                 |
| CP-OFDM 16QAM        | 3560.01                 | 637334     | 20       | 25      | 12        | 22.25                 |
| CP-OFDM 16QAM        | 3560.01                 | 637334     | 20       | 1       | 1         | 22.40                 |
| CP-OFDM 16QAM        | 3560.01                 | 637334     | 20       | 1       | 49        | 22.19                 |
| CP-OFDM 16QAM        | 3560.01                 | 637334     | 20       | 51      | 0         | 21.22                 |
| CP-OFDM 64QAM        | 3560.01                 | 637334     | 20       | 25      | 12        | 20.72                 |
| CP-OFDM 64QAM        | 3560.01                 | 637334     | 20       | 1       | 1         | 20.33                 |
| CP-OFDM 64QAM        | 3560.01                 | 637334     | 20       | 1       | 49        | 20.26                 |
| CP-OFDM 64QAM        | 3560.01                 | 637334     | 20       | 51      | 0         | 20.73                 |
| CP-OFDM 256QAM       | 3560.01                 | 637334     | 20       | 25      | 12        | 17.66                 |
| CP-OFDM 256QAM       | 3560.01                 | 637334     | 20       | 1       | 1         | 17.60                 |
| CP-OFDM 256QAM       | 3560.01                 | 637334     | 20       | 1       | 49        | 17.43                 |
| CP-OFDM 256QAM       | 3560.01                 | 637334     | 20       | 51      | 0         | 17.66                 |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 20       | 25      | 12        | 19.99                 |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 20       | 1       | 1         | 19.93                 |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 20       | 1       | 49        | 19.91                 |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 20       | 50      | 0         | 19.97                 |

|                      |         |        |    |    |    |       |
|----------------------|---------|--------|----|----|----|-------|
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 20 | 25 | 12 | 24.45 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 20 | 1  | 1  | 24.56 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 20 | 1  | 49 | 24.55 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 20 | 50 | 0  | 23.51 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 20 | 25 | 12 | 23.51 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 20 | 1  | 1  | 23.63 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 20 | 1  | 49 | 23.53 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 20 | 50 | 0  | 22.48 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 20 | 25 | 12 | 21.97 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 20 | 1  | 1  | 21.72 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 20 | 1  | 49 | 21.63 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 20 | 50 | 0  | 22.02 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 20 | 25 | 12 | 19.84 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 20 | 1  | 1  | 20.05 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 20 | 1  | 49 | 19.97 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 20 | 50 | 0  | 20.01 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 20 | 25 | 12 | 22.97 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 20 | 1  | 1  | 23.25 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 20 | 1  | 49 | 23.16 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 20 | 51 | 0  | 21.49 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 20 | 25 | 12 | 22.55 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 20 | 1  | 1  | 22.66 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 20 | 1  | 49 | 22.59 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 20 | 51 | 0  | 21.48 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 20 | 25 | 12 | 20.97 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 20 | 1  | 1  | 20.69 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 20 | 1  | 49 | 20.66 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 20 | 51 | 0  | 21.05 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 20 | 25 | 12 | 17.94 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 20 | 1  | 1  | 18.06 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 20 | 1  | 49 | 18.06 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 20 | 51 | 0  | 17.99 |
| DFT-s-OFDM PI/2 BPSK | 3690    | 646000 | 20 | 25 | 12 | 20.00 |
| DFT-s-OFDM PI/2 BPSK | 3690    | 646000 | 20 | 1  | 1  | 20.02 |
| DFT-s-OFDM PI/2 BPSK | 3690    | 646000 | 20 | 1  | 49 | 19.90 |
| DFT-s-OFDM PI/2 BPSK | 3690    | 646000 | 20 | 50 | 0  | 20.00 |
| DFT-s-OFDM QPSK      | 3690    | 646000 | 20 | 25 | 12 | 24.56 |
| DFT-s-OFDM QPSK      | 3690    | 646000 | 20 | 1  | 1  | 24.63 |
| DFT-s-OFDM QPSK      | 3690    | 646000 | 20 | 1  | 49 | 24.48 |
| DFT-s-OFDM QPSK      | 3690    | 646000 | 20 | 50 | 0  | 23.52 |
| DFT-s-OFDM 16QAM     | 3690    | 646000 | 20 | 25 | 12 | 23.51 |
| DFT-s-OFDM 16QAM     | 3690    | 646000 | 20 | 1  | 1  | 23.71 |
| DFT-s-OFDM 16QAM     | 3690    | 646000 | 20 | 1  | 49 | 23.60 |
| DFT-s-OFDM 16QAM     | 3690    | 646000 | 20 | 50 | 0  | 22.58 |
| DFT-s-OFDM 64QAM     | 3690    | 646000 | 20 | 25 | 12 | 22.07 |

|                   |      |        |    |    |    |       |
|-------------------|------|--------|----|----|----|-------|
| DFT-s-OFDM 64QAM  | 3690 | 646000 | 20 | 1  | 1  | 21.70 |
| DFT-s-OFDM 64QAM  | 3690 | 646000 | 20 | 1  | 49 | 21.67 |
| DFT-s-OFDM 64QAM  | 3690 | 646000 | 20 | 50 | 0  | 22.03 |
| DFT-s-OFDM 256QAM | 3690 | 646000 | 20 | 25 | 12 | 20.00 |
| DFT-s-OFDM 256QAM | 3690 | 646000 | 20 | 1  | 1  | 20.05 |
| DFT-s-OFDM 256QAM | 3690 | 646000 | 20 | 1  | 49 | 19.76 |
| DFT-s-OFDM 256QAM | 3690 | 646000 | 20 | 50 | 0  | 19.98 |
| CP-OFDM QPSK      | 3690 | 646000 | 20 | 25 | 12 | 23.09 |
| CP-OFDM QPSK      | 3690 | 646000 | 20 | 1  | 1  | 23.15 |
| CP-OFDM QPSK      | 3690 | 646000 | 20 | 1  | 49 | 23.00 |
| CP-OFDM QPSK      | 3690 | 646000 | 20 | 51 | 0  | 21.56 |
| CP-OFDM 16QAM     | 3690 | 646000 | 20 | 25 | 12 | 22.63 |
| CP-OFDM 16QAM     | 3690 | 646000 | 20 | 1  | 1  | 22.86 |
| CP-OFDM 16QAM     | 3690 | 646000 | 20 | 1  | 49 | 22.68 |
| CP-OFDM 16QAM     | 3690 | 646000 | 20 | 51 | 0  | 21.54 |
| CP-OFDM 64QAM     | 3690 | 646000 | 20 | 25 | 12 | 21.09 |
| CP-OFDM 64QAM     | 3690 | 646000 | 20 | 1  | 1  | 20.76 |
| CP-OFDM 64QAM     | 3690 | 646000 | 20 | 1  | 49 | 20.64 |
| CP-OFDM 64QAM     | 3690 | 646000 | 20 | 51 | 0  | 21.09 |
| CP-OFDM 256QAM    | 3690 | 646000 | 20 | 25 | 12 | 18.09 |
| CP-OFDM 256QAM    | 3690 | 646000 | 20 | 1  | 1  | 17.97 |
| CP-OFDM 256QAM    | 3690 | 646000 | 20 | 1  | 49 | 17.95 |
| CP-OFDM 256QAM    | 3690 | 646000 | 20 | 51 | 0  | 18.10 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 3565.02                 | 637668     | 30       | 36      | 18        | 19.83                 |
| DFT-s-OFDM PI/2 BPSK | 3565.02                 | 637668     | 30       | 1       | 1         | 19.74                 |
| DFT-s-OFDM PI/2 BPSK | 3565.02                 | 637668     | 30       | 1       | 76        | 19.52                 |
| DFT-s-OFDM PI/2 BPSK | 3565.02                 | 637668     | 30       | 75      | 0         | 19.77                 |
| DFT-s-OFDM QPSK      | 3565.02                 | 637668     | 30       | 36      | 18        | 24.26                 |
| DFT-s-OFDM QPSK      | 3565.02                 | 637668     | 30       | 1       | 1         | 24.36                 |
| DFT-s-OFDM QPSK      | 3565.02                 | 637668     | 30       | 1       | 76        | 24.35                 |
| DFT-s-OFDM QPSK      | 3565.02                 | 637668     | 30       | 75      | 0         | 23.39                 |
| DFT-s-OFDM 16QAM     | 3565.02                 | 637668     | 30       | 36      | 18        | 23.23                 |
| DFT-s-OFDM 16QAM     | 3565.02                 | 637668     | 30       | 1       | 1         | 23.53                 |
| DFT-s-OFDM 16QAM     | 3565.02                 | 637668     | 30       | 1       | 76        | 23.22                 |
| DFT-s-OFDM 16QAM     | 3565.02                 | 637668     | 30       | 75      | 0         | 22.37                 |
| DFT-s-OFDM 64QAM     | 3565.02                 | 637668     | 30       | 36      | 18        | 21.77                 |
| DFT-s-OFDM 64QAM     | 3565.02                 | 637668     | 30       | 1       | 1         | 21.54                 |
| DFT-s-OFDM 64QAM     | 3565.02                 | 637668     | 30       | 1       | 76        | 21.42                 |
| DFT-s-OFDM 64QAM     | 3565.02                 | 637668     | 30       | 75      | 0         | 21.75                 |
| DFT-s-OFDM 256QAM    | 3565.02                 | 637668     | 30       | 36      | 18        | 19.74                 |
| DFT-s-OFDM 256QAM    | 3565.02                 | 637668     | 30       | 1       | 1         | 19.85                 |
| DFT-s-OFDM 256QAM    | 3565.02                 | 637668     | 30       | 1       | 76        | 19.62                 |

|                      |         |        |    |    |    |       |
|----------------------|---------|--------|----|----|----|-------|
| DFT-s-OFDM 256QAM    | 3565.02 | 637668 | 30 | 75 | 0  | 19.77 |
| CP-OFDM QPSK         | 3565.02 | 637668 | 30 | 39 | 19 | 22.78 |
| CP-OFDM QPSK         | 3565.02 | 637668 | 30 | 1  | 1  | 22.91 |
| CP-OFDM QPSK         | 3565.02 | 637668 | 30 | 1  | 76 | 22.72 |
| CP-OFDM QPSK         | 3565.02 | 637668 | 30 | 78 | 0  | 21.34 |
| CP-OFDM 16QAM        | 3565.02 | 637668 | 30 | 39 | 19 | 22.25 |
| CP-OFDM 16QAM        | 3565.02 | 637668 | 30 | 1  | 1  | 22.56 |
| CP-OFDM 16QAM        | 3565.02 | 637668 | 30 | 1  | 76 | 22.36 |
| CP-OFDM 16QAM        | 3565.02 | 637668 | 30 | 78 | 0  | 21.24 |
| CP-OFDM 64QAM        | 3565.02 | 637668 | 30 | 39 | 19 | 20.86 |
| CP-OFDM 64QAM        | 3565.02 | 637668 | 30 | 1  | 1  | 20.54 |
| CP-OFDM 64QAM        | 3565.02 | 637668 | 30 | 1  | 76 | 20.38 |
| CP-OFDM 64QAM        | 3565.02 | 637668 | 30 | 78 | 0  | 20.88 |
| CP-OFDM 256QAM       | 3565.02 | 637668 | 30 | 39 | 19 | 17.79 |
| CP-OFDM 256QAM       | 3565.02 | 637668 | 30 | 1  | 1  | 17.84 |
| CP-OFDM 256QAM       | 3565.02 | 637668 | 30 | 1  | 76 | 17.64 |
| CP-OFDM 256QAM       | 3565.02 | 637668 | 30 | 78 | 0  | 17.95 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 30 | 36 | 18 | 19.96 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 30 | 1  | 1  | 19.95 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 30 | 1  | 76 | 19.93 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 30 | 75 | 0  | 19.94 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 30 | 36 | 18 | 24.45 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 30 | 1  | 1  | 24.64 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 30 | 1  | 76 | 24.52 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 30 | 75 | 0  | 23.52 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 30 | 36 | 18 | 23.47 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 30 | 1  | 1  | 23.59 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 30 | 1  | 76 | 23.63 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 30 | 75 | 0  | 22.50 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 30 | 36 | 18 | 21.91 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 30 | 1  | 1  | 21.85 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 30 | 1  | 76 | 21.70 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 30 | 75 | 0  | 22.01 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 30 | 36 | 18 | 19.94 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 30 | 1  | 1  | 20.10 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 30 | 1  | 76 | 19.98 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 30 | 75 | 0  | 20.06 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 30 | 39 | 19 | 22.94 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 30 | 1  | 1  | 23.08 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 30 | 1  | 76 | 23.00 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 30 | 78 | 0  | 21.54 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 30 | 39 | 19 | 22.45 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 30 | 1  | 1  | 22.75 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 30 | 1  | 76 | 22.54 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 30 | 78 | 0  | 21.43 |

|                      |         |        |    |    |    |       |
|----------------------|---------|--------|----|----|----|-------|
| CP-OFDM 64QAM        | 3624.99 | 641666 | 30 | 39 | 19 | 20.99 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 30 | 1  | 1  | 20.68 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 30 | 1  | 76 | 20.59 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 30 | 78 | 0  | 21.04 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 30 | 39 | 19 | 17.94 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 30 | 1  | 1  | 18.02 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 30 | 1  | 76 | 17.92 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 30 | 78 | 0  | 18.04 |
| DFT-s-OFDM PI/2 BPSK | 3684.99 | 645666 | 30 | 36 | 18 | 20.12 |
| DFT-s-OFDM PI/2 BPSK | 3684.99 | 645666 | 30 | 1  | 1  | 20.14 |
| DFT-s-OFDM PI/2 BPSK | 3684.99 | 645666 | 30 | 1  | 76 | 19.96 |
| DFT-s-OFDM PI/2 BPSK | 3684.99 | 645666 | 30 | 75 | 0  | 20.08 |
| DFT-s-OFDM QPSK      | 3684.99 | 645666 | 30 | 36 | 18 | 24.59 |
| DFT-s-OFDM QPSK      | 3684.99 | 645666 | 30 | 1  | 1  | 24.79 |
| DFT-s-OFDM QPSK      | 3684.99 | 645666 | 30 | 1  | 76 | 24.62 |
| DFT-s-OFDM QPSK      | 3684.99 | 645666 | 30 | 75 | 0  | 23.66 |
| DFT-s-OFDM 16QAM     | 3684.99 | 645666 | 30 | 36 | 18 | 23.62 |
| DFT-s-OFDM 16QAM     | 3684.99 | 645666 | 30 | 1  | 1  | 23.83 |
| DFT-s-OFDM 16QAM     | 3684.99 | 645666 | 30 | 1  | 76 | 23.67 |
| DFT-s-OFDM 16QAM     | 3684.99 | 645666 | 30 | 75 | 0  | 22.64 |
| DFT-s-OFDM 64QAM     | 3684.99 | 645666 | 30 | 36 | 18 | 22.14 |
| DFT-s-OFDM 64QAM     | 3684.99 | 645666 | 30 | 1  | 1  | 21.90 |
| DFT-s-OFDM 64QAM     | 3684.99 | 645666 | 30 | 1  | 76 | 21.74 |
| DFT-s-OFDM 64QAM     | 3684.99 | 645666 | 30 | 75 | 0  | 22.14 |
| DFT-s-OFDM 256QAM    | 3684.99 | 645666 | 30 | 36 | 18 | 20.07 |
| DFT-s-OFDM 256QAM    | 3684.99 | 645666 | 30 | 1  | 1  | 20.08 |
| DFT-s-OFDM 256QAM    | 3684.99 | 645666 | 30 | 1  | 76 | 19.99 |
| DFT-s-OFDM 256QAM    | 3684.99 | 645666 | 30 | 75 | 0  | 20.11 |
| CP-OFDM QPSK         | 3684.99 | 645666 | 30 | 39 | 19 | 23.15 |
| CP-OFDM QPSK         | 3684.99 | 645666 | 30 | 1  | 1  | 23.32 |
| CP-OFDM QPSK         | 3684.99 | 645666 | 30 | 1  | 76 | 23.13 |
| CP-OFDM QPSK         | 3684.99 | 645666 | 30 | 78 | 0  | 21.62 |
| CP-OFDM 16QAM        | 3684.99 | 645666 | 30 | 39 | 19 | 22.54 |
| CP-OFDM 16QAM        | 3684.99 | 645666 | 30 | 1  | 1  | 22.87 |
| CP-OFDM 16QAM        | 3684.99 | 645666 | 30 | 1  | 76 | 22.63 |
| CP-OFDM 16QAM        | 3684.99 | 645666 | 30 | 78 | 0  | 21.66 |
| CP-OFDM 64QAM        | 3684.99 | 645666 | 30 | 39 | 19 | 21.15 |
| CP-OFDM 64QAM        | 3684.99 | 645666 | 30 | 1  | 1  | 20.87 |
| CP-OFDM 64QAM        | 3684.99 | 645666 | 30 | 1  | 76 | 20.75 |
| CP-OFDM 64QAM        | 3684.99 | 645666 | 30 | 78 | 0  | 21.10 |
| CP-OFDM 256QAM       | 3684.99 | 645666 | 30 | 39 | 19 | 18.14 |
| CP-OFDM 256QAM       | 3684.99 | 645666 | 30 | 1  | 1  | 18.21 |
| CP-OFDM 256QAM       | 3684.99 | 645666 | 30 | 1  | 76 | 17.93 |
| CP-OFDM 256QAM       | 3684.99 | 645666 | 30 | 78 | 0  | 18.15 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 3570                    | 638000     | 40       | 50      | 25        | 19.91                 |
| DFT-s-OFDM PI/2 BPSK | 3570                    | 638000     | 40       | 1       | 1         | 19.77                 |
| DFT-s-OFDM PI/2 BPSK | 3570                    | 638000     | 40       | 1       | 104       | 19.99                 |
| DFT-s-OFDM PI/2 BPSK | 3570                    | 638000     | 40       | 100     | 0         | 19.86                 |
| DFT-s-OFDM QPSK      | 3570                    | 638000     | 40       | 50      | 25        | 24.28                 |
| DFT-s-OFDM QPSK      | 3570                    | 638000     | 40       | 1       | 1         | 24.48                 |
| DFT-s-OFDM QPSK      | 3570                    | 638000     | 40       | 1       | 104       | 24.53                 |
| DFT-s-OFDM QPSK      | 3570                    | 638000     | 40       | 100     | 0         | 23.39                 |
| DFT-s-OFDM 16QAM     | 3570                    | 638000     | 40       | 50      | 25        | 23.24                 |
| DFT-s-OFDM 16QAM     | 3570                    | 638000     | 40       | 1       | 1         | 23.60                 |
| DFT-s-OFDM 16QAM     | 3570                    | 638000     | 40       | 1       | 104       | 23.47                 |
| DFT-s-OFDM 16QAM     | 3570                    | 638000     | 40       | 100     | 0         | 22.38                 |
| DFT-s-OFDM 64QAM     | 3570                    | 638000     | 40       | 50      | 25        | 21.81                 |
| DFT-s-OFDM 64QAM     | 3570                    | 638000     | 40       | 1       | 1         | 21.58                 |
| DFT-s-OFDM 64QAM     | 3570                    | 638000     | 40       | 1       | 104       | 21.62                 |
| DFT-s-OFDM 64QAM     | 3570                    | 638000     | 40       | 100     | 0         | 21.91                 |
| DFT-s-OFDM 256QAM    | 3570                    | 638000     | 40       | 50      | 25        | 19.72                 |
| DFT-s-OFDM 256QAM    | 3570                    | 638000     | 40       | 1       | 1         | 19.89                 |
| DFT-s-OFDM 256QAM    | 3570                    | 638000     | 40       | 1       | 104       | 19.88                 |
| DFT-s-OFDM 256QAM    | 3570                    | 638000     | 40       | 100     | 0         | 19.81                 |
| CP-OFDM QPSK         | 3570                    | 638000     | 40       | 53      | 26        | 22.82                 |
| CP-OFDM QPSK         | 3570                    | 638000     | 40       | 1       | 1         | 23.10                 |
| CP-OFDM QPSK         | 3570                    | 638000     | 40       | 1       | 104       | 23.00                 |
| CP-OFDM QPSK         | 3570                    | 638000     | 40       | 106     | 0         | 21.26                 |
| CP-OFDM 16QAM        | 3570                    | 638000     | 40       | 53      | 26        | 22.28                 |
| CP-OFDM 16QAM        | 3570                    | 638000     | 40       | 1       | 1         | 22.58                 |
| CP-OFDM 16QAM        | 3570                    | 638000     | 40       | 1       | 104       | 22.78                 |
| CP-OFDM 16QAM        | 3570                    | 638000     | 40       | 106     | 0         | 21.41                 |
| CP-OFDM 64QAM        | 3570                    | 638000     | 40       | 53      | 26        | 20.83                 |
| CP-OFDM 64QAM        | 3570                    | 638000     | 40       | 1       | 1         | 20.57                 |
| CP-OFDM 64QAM        | 3570                    | 638000     | 40       | 1       | 104       | 20.70                 |
| CP-OFDM 64QAM        | 3570                    | 638000     | 40       | 106     | 0         | 20.89                 |
| CP-OFDM 256QAM       | 3570                    | 638000     | 40       | 53      | 26        | 17.83                 |
| CP-OFDM 256QAM       | 3570                    | 638000     | 40       | 1       | 1         | 18.04                 |
| CP-OFDM 256QAM       | 3570                    | 638000     | 40       | 1       | 104       | 18.08                 |
| CP-OFDM 256QAM       | 3570                    | 638000     | 40       | 106     | 0         | 17.95                 |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 40       | 50      | 25        | 20.00                 |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 40       | 1       | 1         | 20.13                 |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 40       | 1       | 104       | 19.98                 |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 40       | 100     | 0         | 20.02                 |
| DFT-s-OFDM QPSK      | 3624.99                 | 641666     | 40       | 50      | 25        | 24.46                 |
| DFT-s-OFDM QPSK      | 3624.99                 | 641666     | 40       | 1       | 1         | 24.70                 |
| DFT-s-OFDM QPSK      | 3624.99                 | 641666     | 40       | 1       | 104       | 24.70                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 40 | 100 | 0   | 23.48 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 40 | 50  | 25  | 23.47 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 40 | 1   | 1   | 23.77 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 40 | 1   | 104 | 23.78 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 40 | 100 | 0   | 22.53 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 40 | 50  | 25  | 22.01 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 40 | 1   | 1   | 21.84 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 40 | 1   | 104 | 21.75 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 40 | 100 | 0   | 22.09 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 40 | 50  | 25  | 20.00 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 40 | 1   | 1   | 20.16 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 40 | 1   | 104 | 20.03 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 40 | 100 | 0   | 19.97 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 40 | 53  | 26  | 22.91 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 40 | 1   | 1   | 23.24 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 40 | 1   | 104 | 23.23 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 40 | 106 | 0   | 21.54 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 40 | 53  | 26  | 22.50 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 40 | 1   | 1   | 22.78 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 40 | 1   | 104 | 22.81 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 40 | 106 | 0   | 21.50 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 40 | 53  | 26  | 21.00 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 40 | 1   | 1   | 20.84 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 40 | 1   | 104 | 20.74 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 40 | 106 | 0   | 21.03 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 40 | 53  | 26  | 17.97 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 40 | 1   | 1   | 18.10 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 40 | 1   | 104 | 18.21 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 40 | 106 | 0   | 17.99 |
| DFT-s-OFDM PI/2 BPSK | 3679.98 | 645332 | 40 | 50  | 25  | 20.16 |
| DFT-s-OFDM PI/2 BPSK | 3679.98 | 645332 | 40 | 1   | 1   | 20.17 |
| DFT-s-OFDM PI/2 BPSK | 3679.98 | 645332 | 40 | 1   | 104 | 19.95 |
| DFT-s-OFDM PI/2 BPSK | 3679.98 | 645332 | 40 | 100 | 0   | 20.20 |
| DFT-s-OFDM QPSK      | 3679.98 | 645332 | 40 | 50  | 25  | 24.69 |
| DFT-s-OFDM QPSK      | 3679.98 | 645332 | 40 | 1   | 1   | 24.72 |
| DFT-s-OFDM QPSK      | 3679.98 | 645332 | 40 | 1   | 104 | 24.60 |
| DFT-s-OFDM QPSK      | 3679.98 | 645332 | 40 | 100 | 0   | 23.70 |
| DFT-s-OFDM 16QAM     | 3679.98 | 645332 | 40 | 50  | 25  | 23.62 |
| DFT-s-OFDM 16QAM     | 3679.98 | 645332 | 40 | 1   | 1   | 23.78 |
| DFT-s-OFDM 16QAM     | 3679.98 | 645332 | 40 | 1   | 104 | 23.58 |
| DFT-s-OFDM 16QAM     | 3679.98 | 645332 | 40 | 100 | 0   | 22.66 |
| DFT-s-OFDM 64QAM     | 3679.98 | 645332 | 40 | 50  | 25  | 22.17 |
| DFT-s-OFDM 64QAM     | 3679.98 | 645332 | 40 | 1   | 1   | 21.86 |
| DFT-s-OFDM 64QAM     | 3679.98 | 645332 | 40 | 1   | 104 | 21.77 |
| DFT-s-OFDM 64QAM     | 3679.98 | 645332 | 40 | 100 | 0   | 22.23 |

|                   |         |        |    |     |     |       |
|-------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 256QAM | 3679.98 | 645332 | 40 | 50  | 25  | 20.13 |
| DFT-s-OFDM 256QAM | 3679.98 | 645332 | 40 | 1   | 1   | 20.24 |
| DFT-s-OFDM 256QAM | 3679.98 | 645332 | 40 | 1   | 104 | 19.93 |
| DFT-s-OFDM 256QAM | 3679.98 | 645332 | 40 | 100 | 0   | 20.14 |
| CP-OFDM QPSK      | 3679.98 | 645332 | 40 | 53  | 26  | 23.20 |
| CP-OFDM QPSK      | 3679.98 | 645332 | 40 | 1   | 1   | 23.41 |
| CP-OFDM QPSK      | 3679.98 | 645332 | 40 | 1   | 104 | 23.21 |
| CP-OFDM QPSK      | 3679.98 | 645332 | 40 | 106 | 0   | 21.63 |
| CP-OFDM 16QAM     | 3679.98 | 645332 | 40 | 53  | 26  | 22.59 |
| CP-OFDM 16QAM     | 3679.98 | 645332 | 40 | 1   | 1   | 22.90 |
| CP-OFDM 16QAM     | 3679.98 | 645332 | 40 | 1   | 104 | 22.70 |
| CP-OFDM 16QAM     | 3679.98 | 645332 | 40 | 106 | 0   | 21.68 |
| CP-OFDM 64QAM     | 3679.98 | 645332 | 40 | 53  | 26  | 21.11 |
| CP-OFDM 64QAM     | 3679.98 | 645332 | 40 | 1   | 1   | 20.90 |
| CP-OFDM 64QAM     | 3679.98 | 645332 | 40 | 1   | 104 | 20.79 |
| CP-OFDM 64QAM     | 3679.98 | 645332 | 40 | 106 | 0   | 21.14 |
| CP-OFDM 256QAM    | 3679.98 | 645332 | 40 | 53  | 26  | 18.14 |
| CP-OFDM 256QAM    | 3679.98 | 645332 | 40 | 1   | 1   | 18.24 |
| CP-OFDM 256QAM    | 3679.98 | 645332 | 40 | 1   | 104 | 18.05 |
| CP-OFDM 256QAM    | 3679.98 | 645332 | 40 | 106 | 0   | 18.14 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 3575.01                 | 638334     | 50       | 64      | 32        | 19.66                 |
| DFT-s-OFDM PI/2 BPSK | 3575.01                 | 638334     | 50       | 1       | 1         | 19.71                 |
| DFT-s-OFDM PI/2 BPSK | 3575.01                 | 638334     | 50       | 1       | 131       | 19.60                 |
| DFT-s-OFDM PI/2 BPSK | 3575.01                 | 638334     | 50       | 128     | 0         | 19.63                 |
| DFT-s-OFDM QPSK      | 3575.01                 | 638334     | 50       | 64      | 32        | 24.08                 |
| DFT-s-OFDM QPSK      | 3575.01                 | 638334     | 50       | 1       | 1         | 24.29                 |
| DFT-s-OFDM QPSK      | 3575.01                 | 638334     | 50       | 1       | 131       | 24.25                 |
| DFT-s-OFDM QPSK      | 3575.01                 | 638334     | 50       | 128     | 0         | 23.15                 |
| DFT-s-OFDM 16QAM     | 3575.01                 | 638334     | 50       | 64      | 32        | 23.08                 |
| DFT-s-OFDM 16QAM     | 3575.01                 | 638334     | 50       | 1       | 1         | 23.35                 |
| DFT-s-OFDM 16QAM     | 3575.01                 | 638334     | 50       | 1       | 131       | 23.28                 |
| DFT-s-OFDM 16QAM     | 3575.01                 | 638334     | 50       | 128     | 0         | 22.09                 |
| DFT-s-OFDM 64QAM     | 3575.01                 | 638334     | 50       | 64      | 32        | 21.60                 |
| DFT-s-OFDM 64QAM     | 3575.01                 | 638334     | 50       | 1       | 1         | 21.39                 |
| DFT-s-OFDM 64QAM     | 3575.01                 | 638334     | 50       | 1       | 131       | 21.41                 |
| DFT-s-OFDM 64QAM     | 3575.01                 | 638334     | 50       | 128     | 0         | 21.64                 |
| DFT-s-OFDM 256QAM    | 3575.01                 | 638334     | 50       | 64      | 32        | 19.57                 |
| DFT-s-OFDM 256QAM    | 3575.01                 | 638334     | 50       | 1       | 1         | 19.72                 |
| DFT-s-OFDM 256QAM    | 3575.01                 | 638334     | 50       | 1       | 131       | 19.75                 |
| DFT-s-OFDM 256QAM    | 3575.01                 | 638334     | 50       | 128     | 0         | 19.60                 |
| CP-OFDM QPSK         | 3575.01                 | 638334     | 50       | 67      | 33        | 22.59                 |
| CP-OFDM QPSK         | 3575.01                 | 638334     | 50       | 1       | 1         | 22.86                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM QPSK         | 3575.01 | 638334 | 50 | 1   | 131 | 22.74 |
| CP-OFDM QPSK         | 3575.01 | 638334 | 50 | 133 | 0   | 21.12 |
| CP-OFDM 16QAM        | 3575.01 | 638334 | 50 | 67  | 33  | 22.11 |
| CP-OFDM 16QAM        | 3575.01 | 638334 | 50 | 1   | 1   | 22.29 |
| CP-OFDM 16QAM        | 3575.01 | 638334 | 50 | 1   | 131 | 22.46 |
| CP-OFDM 16QAM        | 3575.01 | 638334 | 50 | 133 | 0   | 21.05 |
| CP-OFDM 64QAM        | 3575.01 | 638334 | 50 | 67  | 33  | 20.56 |
| CP-OFDM 64QAM        | 3575.01 | 638334 | 50 | 1   | 1   | 20.42 |
| CP-OFDM 64QAM        | 3575.01 | 638334 | 50 | 1   | 131 | 20.40 |
| CP-OFDM 64QAM        | 3575.01 | 638334 | 50 | 133 | 0   | 20.64 |
| CP-OFDM 256QAM       | 3575.01 | 638334 | 50 | 67  | 33  | 17.65 |
| CP-OFDM 256QAM       | 3575.01 | 638334 | 50 | 1   | 1   | 17.65 |
| CP-OFDM 256QAM       | 3575.01 | 638334 | 50 | 1   | 131 | 17.75 |
| CP-OFDM 256QAM       | 3575.01 | 638334 | 50 | 133 | 0   | 17.77 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 50 | 64  | 32  | 19.83 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 50 | 1   | 1   | 19.88 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 50 | 1   | 131 | 19.65 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 50 | 128 | 0   | 19.80 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 50 | 64  | 32  | 24.39 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 50 | 1   | 1   | 24.44 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 50 | 1   | 131 | 24.27 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 50 | 128 | 0   | 23.39 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 50 | 64  | 32  | 23.34 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 50 | 1   | 1   | 23.41 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 50 | 1   | 131 | 23.34 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 50 | 128 | 0   | 22.38 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 50 | 64  | 32  | 21.89 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 50 | 1   | 1   | 21.49 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 50 | 1   | 131 | 21.45 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 50 | 128 | 0   | 21.90 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 50 | 64  | 32  | 19.88 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 50 | 1   | 1   | 19.92 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 50 | 1   | 131 | 19.72 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 50 | 128 | 0   | 19.78 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 50 | 67  | 33  | 22.88 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 50 | 1   | 1   | 23.04 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 50 | 1   | 131 | 22.83 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 50 | 133 | 0   | 21.36 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 50 | 67  | 33  | 22.35 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 50 | 1   | 1   | 22.43 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 50 | 1   | 131 | 22.45 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 50 | 133 | 0   | 21.32 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 50 | 67  | 33  | 20.83 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 50 | 1   | 1   | 20.52 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 50 | 1   | 131 | 20.43 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 64QAM        | 3624.99 | 641666 | 50 | 133 | 0   | 20.86 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 50 | 67  | 33  | 17.91 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 50 | 1   | 1   | 17.81 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 50 | 1   | 131 | 17.64 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 50 | 133 | 0   | 17.82 |
| DFT-s-OFDM PI/2 BPSK | 3675    | 645000 | 50 | 64  | 32  | 19.93 |
| DFT-s-OFDM PI/2 BPSK | 3675    | 645000 | 50 | 1   | 1   | 19.82 |
| DFT-s-OFDM PI/2 BPSK | 3675    | 645000 | 50 | 1   | 131 | 19.54 |
| DFT-s-OFDM PI/2 BPSK | 3675    | 645000 | 50 | 128 | 0   | 19.88 |
| DFT-s-OFDM QPSK      | 3675    | 645000 | 50 | 64  | 32  | 24.42 |
| DFT-s-OFDM QPSK      | 3675    | 645000 | 50 | 1   | 1   | 24.28 |
| DFT-s-OFDM QPSK      | 3675    | 645000 | 50 | 1   | 131 | 24.21 |
| DFT-s-OFDM QPSK      | 3675    | 645000 | 50 | 128 | 0   | 23.43 |
| DFT-s-OFDM 16QAM     | 3675    | 645000 | 50 | 64  | 32  | 23.45 |
| DFT-s-OFDM 16QAM     | 3675    | 645000 | 50 | 1   | 1   | 23.33 |
| DFT-s-OFDM 16QAM     | 3675    | 645000 | 50 | 1   | 131 | 23.27 |
| DFT-s-OFDM 16QAM     | 3675    | 645000 | 50 | 128 | 0   | 22.41 |
| DFT-s-OFDM 64QAM     | 3675    | 645000 | 50 | 64  | 32  | 22.00 |
| DFT-s-OFDM 64QAM     | 3675    | 645000 | 50 | 1   | 1   | 21.52 |
| DFT-s-OFDM 64QAM     | 3675    | 645000 | 50 | 1   | 131 | 21.24 |
| DFT-s-OFDM 64QAM     | 3675    | 645000 | 50 | 128 | 0   | 21.94 |
| DFT-s-OFDM 256QAM    | 3675    | 645000 | 50 | 64  | 32  | 19.96 |
| DFT-s-OFDM 256QAM    | 3675    | 645000 | 50 | 1   | 1   | 19.69 |
| DFT-s-OFDM 256QAM    | 3675    | 645000 | 50 | 1   | 131 | 19.46 |
| DFT-s-OFDM 256QAM    | 3675    | 645000 | 50 | 128 | 0   | 19.87 |
| CP-OFDM QPSK         | 3675    | 645000 | 50 | 67  | 33  | 22.95 |
| CP-OFDM QPSK         | 3675    | 645000 | 50 | 1   | 1   | 22.95 |
| CP-OFDM QPSK         | 3675    | 645000 | 50 | 1   | 131 | 22.71 |
| CP-OFDM QPSK         | 3675    | 645000 | 50 | 133 | 0   | 21.34 |
| CP-OFDM 16QAM        | 3675    | 645000 | 50 | 67  | 33  | 22.49 |
| CP-OFDM 16QAM        | 3675    | 645000 | 50 | 1   | 1   | 22.59 |
| CP-OFDM 16QAM        | 3675    | 645000 | 50 | 1   | 131 | 22.33 |
| CP-OFDM 16QAM        | 3675    | 645000 | 50 | 133 | 0   | 21.35 |
| CP-OFDM 64QAM        | 3675    | 645000 | 50 | 67  | 33  | 20.95 |
| CP-OFDM 64QAM        | 3675    | 645000 | 50 | 1   | 1   | 20.52 |
| CP-OFDM 64QAM        | 3675    | 645000 | 50 | 1   | 131 | 20.27 |
| CP-OFDM 64QAM        | 3675    | 645000 | 50 | 133 | 0   | 20.95 |
| CP-OFDM 256QAM       | 3675    | 645000 | 50 | 67  | 33  | 18.01 |
| CP-OFDM 256QAM       | 3675    | 645000 | 50 | 1   | 1   | 17.78 |
| CP-OFDM 256QAM       | 3675    | 645000 | 50 | 1   | 131 | 17.54 |
| CP-OFDM 256QAM       | 3675    | 645000 | 50 | 133 | 0   | 17.88 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 3580.02                 | 638668     | 60       | 81      | 40        | 19.71                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM PI/2 BPSK | 3580.02 | 638668 | 60 | 1   | 1   | 19.49 |
| DFT-s-OFDM PI/2 BPSK | 3580.02 | 638668 | 60 | 1   | 160 | 19.71 |
| DFT-s-OFDM PI/2 BPSK | 3580.02 | 638668 | 60 | 162 | 0   | 19.69 |
| DFT-s-OFDM QPSK      | 3580.02 | 638668 | 60 | 81  | 40  | 24.20 |
| DFT-s-OFDM QPSK      | 3580.02 | 638668 | 60 | 1   | 1   | 24.16 |
| DFT-s-OFDM QPSK      | 3580.02 | 638668 | 60 | 1   | 160 | 24.36 |
| DFT-s-OFDM QPSK      | 3580.02 | 638668 | 60 | 162 | 0   | 23.17 |
| DFT-s-OFDM 16QAM     | 3580.02 | 638668 | 60 | 81  | 40  | 23.16 |
| DFT-s-OFDM 16QAM     | 3580.02 | 638668 | 60 | 1   | 1   | 23.31 |
| DFT-s-OFDM 16QAM     | 3580.02 | 638668 | 60 | 1   | 160 | 23.27 |
| DFT-s-OFDM 16QAM     | 3580.02 | 638668 | 60 | 162 | 0   | 22.20 |
| DFT-s-OFDM 64QAM     | 3580.02 | 638668 | 60 | 81  | 40  | 21.62 |
| DFT-s-OFDM 64QAM     | 3580.02 | 638668 | 60 | 1   | 1   | 21.33 |
| DFT-s-OFDM 64QAM     | 3580.02 | 638668 | 60 | 1   | 160 | 21.50 |
| DFT-s-OFDM 64QAM     | 3580.02 | 638668 | 60 | 162 | 0   | 21.68 |
| DFT-s-OFDM 256QAM    | 3580.02 | 638668 | 60 | 81  | 40  | 19.69 |
| DFT-s-OFDM 256QAM    | 3580.02 | 638668 | 60 | 1   | 1   | 19.47 |
| DFT-s-OFDM 256QAM    | 3580.02 | 638668 | 60 | 1   | 160 | 19.75 |
| DFT-s-OFDM 256QAM    | 3580.02 | 638668 | 60 | 162 | 0   | 19.83 |
| CP-OFDM QPSK         | 3580.02 | 638668 | 60 | 81  | 40  | 22.73 |
| CP-OFDM QPSK         | 3580.02 | 638668 | 60 | 1   | 1   | 22.76 |
| CP-OFDM QPSK         | 3580.02 | 638668 | 60 | 1   | 160 | 22.94 |
| CP-OFDM QPSK         | 3580.02 | 638668 | 60 | 162 | 0   | 21.21 |
| CP-OFDM 16QAM        | 3580.02 | 638668 | 60 | 81  | 40  | 22.12 |
| CP-OFDM 16QAM        | 3580.02 | 638668 | 60 | 1   | 1   | 22.26 |
| CP-OFDM 16QAM        | 3580.02 | 638668 | 60 | 1   | 160 | 22.43 |
| CP-OFDM 16QAM        | 3580.02 | 638668 | 60 | 162 | 0   | 21.11 |
| CP-OFDM 64QAM        | 3580.02 | 638668 | 60 | 81  | 40  | 20.77 |
| CP-OFDM 64QAM        | 3580.02 | 638668 | 60 | 1   | 1   | 20.29 |
| CP-OFDM 64QAM        | 3580.02 | 638668 | 60 | 1   | 160 | 20.53 |
| CP-OFDM 64QAM        | 3580.02 | 638668 | 60 | 162 | 0   | 20.71 |
| CP-OFDM 256QAM       | 3580.02 | 638668 | 60 | 81  | 40  | 17.77 |
| CP-OFDM 256QAM       | 3580.02 | 638668 | 60 | 1   | 1   | 17.62 |
| CP-OFDM 256QAM       | 3580.02 | 638668 | 60 | 1   | 160 | 17.81 |
| CP-OFDM 256QAM       | 3580.02 | 638668 | 60 | 162 | 0   | 17.79 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 60 | 81  | 40  | 19.92 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 60 | 1   | 1   | 19.77 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 60 | 1   | 160 | 19.79 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 60 | 162 | 0   | 19.86 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 60 | 81  | 40  | 24.33 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 60 | 1   | 1   | 24.33 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 60 | 1   | 160 | 24.34 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 60 | 162 | 0   | 23.46 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 60 | 81  | 40  | 23.32 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 60 | 1   | 1   | 23.41 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 60 | 1   | 160 | 23.31 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 60 | 162 | 0   | 22.43 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 60 | 81  | 40  | 21.87 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 60 | 1   | 1   | 21.37 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 60 | 1   | 160 | 21.51 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 60 | 162 | 0   | 21.94 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 60 | 81  | 40  | 19.95 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 60 | 1   | 1   | 19.70 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 60 | 1   | 160 | 19.88 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 60 | 162 | 0   | 19.86 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 60 | 81  | 40  | 22.85 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 60 | 1   | 1   | 22.86 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 60 | 1   | 160 | 22.89 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 60 | 162 | 0   | 21.38 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 60 | 81  | 40  | 22.38 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 60 | 1   | 1   | 22.47 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 60 | 1   | 160 | 22.60 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 60 | 162 | 0   | 21.33 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 60 | 81  | 40  | 21.00 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 60 | 1   | 1   | 20.50 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 60 | 1   | 160 | 20.51 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 60 | 162 | 0   | 20.89 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 60 | 81  | 40  | 17.88 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 60 | 1   | 1   | 17.67 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 60 | 1   | 160 | 17.72 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 60 | 162 | 0   | 17.88 |
| DFT-s-OFDM PI/2 BPSK | 3669.99 | 644666 | 60 | 81  | 40  | 19.94 |
| DFT-s-OFDM PI/2 BPSK | 3669.99 | 644666 | 60 | 1   | 1   | 19.63 |
| DFT-s-OFDM PI/2 BPSK | 3669.99 | 644666 | 60 | 1   | 160 | 19.65 |
| DFT-s-OFDM PI/2 BPSK | 3669.99 | 644666 | 60 | 162 | 0   | 19.88 |
| DFT-s-OFDM QPSK      | 3669.99 | 644666 | 60 | 81  | 40  | 24.44 |
| DFT-s-OFDM QPSK      | 3669.99 | 644666 | 60 | 1   | 1   | 24.19 |
| DFT-s-OFDM QPSK      | 3669.99 | 644666 | 60 | 1   | 160 | 24.31 |
| DFT-s-OFDM QPSK      | 3669.99 | 644666 | 60 | 162 | 0   | 23.43 |
| DFT-s-OFDM 16QAM     | 3669.99 | 644666 | 60 | 81  | 40  | 23.44 |
| DFT-s-OFDM 16QAM     | 3669.99 | 644666 | 60 | 1   | 1   | 23.16 |
| DFT-s-OFDM 16QAM     | 3669.99 | 644666 | 60 | 1   | 160 | 23.15 |
| DFT-s-OFDM 16QAM     | 3669.99 | 644666 | 60 | 162 | 0   | 22.39 |
| DFT-s-OFDM 64QAM     | 3669.99 | 644666 | 60 | 81  | 40  | 22.00 |
| DFT-s-OFDM 64QAM     | 3669.99 | 644666 | 60 | 1   | 1   | 21.24 |
| DFT-s-OFDM 64QAM     | 3669.99 | 644666 | 60 | 1   | 160 | 21.41 |
| DFT-s-OFDM 64QAM     | 3669.99 | 644666 | 60 | 162 | 0   | 21.93 |
| DFT-s-OFDM 256QAM    | 3669.99 | 644666 | 60 | 81  | 40  | 19.98 |
| DFT-s-OFDM 256QAM    | 3669.99 | 644666 | 60 | 1   | 1   | 19.49 |
| DFT-s-OFDM 256QAM    | 3669.99 | 644666 | 60 | 1   | 160 | 19.71 |

|                   |         |        |    |     |     |       |
|-------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 256QAM | 3669.99 | 644666 | 60 | 162 | 0   | 19.84 |
| CP-OFDM QPSK      | 3669.99 | 644666 | 60 | 81  | 40  | 23.00 |
| CP-OFDM QPSK      | 3669.99 | 644666 | 60 | 1   | 1   | 22.79 |
| CP-OFDM QPSK      | 3669.99 | 644666 | 60 | 1   | 160 | 22.84 |
| CP-OFDM QPSK      | 3669.99 | 644666 | 60 | 162 | 0   | 21.42 |
| CP-OFDM 16QAM     | 3669.99 | 644666 | 60 | 81  | 40  | 22.46 |
| CP-OFDM 16QAM     | 3669.99 | 644666 | 60 | 1   | 1   | 22.35 |
| CP-OFDM 16QAM     | 3669.99 | 644666 | 60 | 1   | 160 | 22.43 |
| CP-OFDM 16QAM     | 3669.99 | 644666 | 60 | 162 | 0   | 21.32 |
| CP-OFDM 64QAM     | 3669.99 | 644666 | 60 | 81  | 40  | 21.08 |
| CP-OFDM 64QAM     | 3669.99 | 644666 | 60 | 1   | 1   | 20.38 |
| CP-OFDM 64QAM     | 3669.99 | 644666 | 60 | 1   | 160 | 20.33 |
| CP-OFDM 64QAM     | 3669.99 | 644666 | 60 | 162 | 0   | 20.92 |
| CP-OFDM 256QAM    | 3669.99 | 644666 | 60 | 81  | 40  | 18.07 |
| CP-OFDM 256QAM    | 3669.99 | 644666 | 60 | 1   | 1   | 17.70 |
| CP-OFDM 256QAM    | 3669.99 | 644666 | 60 | 1   | 160 | 17.84 |
| CP-OFDM 256QAM    | 3669.99 | 644666 | 60 | 162 | 0   | 17.86 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 3585                    | 639000     | 70       | 90      | 45        | 19.80                 |
| DFT-s-OFDM PI/2 BPSK | 3585                    | 639000     | 70       | 1       | 1         | 19.69                 |
| DFT-s-OFDM PI/2 BPSK | 3585                    | 639000     | 70       | 1       | 187       | 19.57                 |
| DFT-s-OFDM PI/2 BPSK | 3585                    | 639000     | 70       | 180     | 0         | 19.70                 |
| DFT-s-OFDM QPSK      | 3585                    | 639000     | 70       | 90      | 45        | 24.22                 |
| DFT-s-OFDM QPSK      | 3585                    | 639000     | 70       | 1       | 1         | 24.29                 |
| DFT-s-OFDM QPSK      | 3585                    | 639000     | 70       | 1       | 187       | 24.05                 |
| DFT-s-OFDM QPSK      | 3585                    | 639000     | 70       | 180     | 0         | 23.18                 |
| DFT-s-OFDM 16QAM     | 3585                    | 639000     | 70       | 90      | 45        | 23.23                 |
| DFT-s-OFDM 16QAM     | 3585                    | 639000     | 70       | 1       | 1         | 23.32                 |
| DFT-s-OFDM 16QAM     | 3585                    | 639000     | 70       | 1       | 187       | 23.11                 |
| DFT-s-OFDM 16QAM     | 3585                    | 639000     | 70       | 180     | 0         | 22.21                 |
| DFT-s-OFDM 64QAM     | 3585                    | 639000     | 70       | 90      | 45        | 21.64                 |
| DFT-s-OFDM 64QAM     | 3585                    | 639000     | 70       | 1       | 1         | 21.45                 |
| DFT-s-OFDM 64QAM     | 3585                    | 639000     | 70       | 1       | 187       | 21.26                 |
| DFT-s-OFDM 64QAM     | 3585                    | 639000     | 70       | 180     | 0         | 21.74                 |
| DFT-s-OFDM 256QAM    | 3585                    | 639000     | 70       | 90      | 45        | 19.69                 |
| DFT-s-OFDM 256QAM    | 3585                    | 639000     | 70       | 1       | 1         | 19.60                 |
| DFT-s-OFDM 256QAM    | 3585                    | 639000     | 70       | 1       | 187       | 19.50                 |
| DFT-s-OFDM 256QAM    | 3585                    | 639000     | 70       | 180     | 0         | 19.76                 |
| CP-OFDM QPSK         | 3585                    | 639000     | 70       | 95      | 47        | 22.65                 |
| CP-OFDM QPSK         | 3585                    | 639000     | 70       | 1       | 1         | 22.73                 |
| CP-OFDM QPSK         | 3585                    | 639000     | 70       | 1       | 187       | 22.64                 |
| CP-OFDM QPSK         | 3585                    | 639000     | 70       | 189     | 0         | 21.16                 |
| CP-OFDM 16QAM        | 3585                    | 639000     | 70       | 95      | 47        | 22.21                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 16QAM        | 3585    | 639000 | 70 | 1   | 1   | 22.27 |
| CP-OFDM 16QAM        | 3585    | 639000 | 70 | 1   | 187 | 22.21 |
| CP-OFDM 16QAM        | 3585    | 639000 | 70 | 189 | 0   | 21.27 |
| CP-OFDM 64QAM        | 3585    | 639000 | 70 | 95  | 47  | 20.68 |
| CP-OFDM 64QAM        | 3585    | 639000 | 70 | 1   | 1   | 20.32 |
| CP-OFDM 64QAM        | 3585    | 639000 | 70 | 1   | 187 | 20.37 |
| CP-OFDM 64QAM        | 3585    | 639000 | 70 | 189 | 0   | 20.75 |
| CP-OFDM 256QAM       | 3585    | 639000 | 70 | 95  | 47  | 17.68 |
| CP-OFDM 256QAM       | 3585    | 639000 | 70 | 1   | 1   | 17.59 |
| CP-OFDM 256QAM       | 3585    | 639000 | 70 | 1   | 187 | 17.52 |
| CP-OFDM 256QAM       | 3585    | 639000 | 70 | 189 | 0   | 17.69 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 70 | 90  | 45  | 19.80 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 70 | 1   | 1   | 19.73 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 70 | 1   | 187 | 19.73 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 70 | 180 | 0   | 19.80 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 70 | 90  | 45  | 24.29 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 70 | 1   | 1   | 24.23 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 70 | 1   | 187 | 24.34 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 70 | 180 | 0   | 23.31 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 70 | 90  | 45  | 23.29 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 70 | 1   | 1   | 23.26 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 70 | 1   | 187 | 23.54 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 70 | 180 | 0   | 22.35 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 70 | 90  | 45  | 21.93 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 70 | 1   | 1   | 21.32 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 70 | 1   | 187 | 21.51 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 70 | 180 | 0   | 21.80 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 70 | 90  | 45  | 19.78 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 70 | 1   | 1   | 19.66 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 70 | 1   | 187 | 19.80 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 70 | 180 | 0   | 19.85 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 70 | 95  | 47  | 22.85 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 70 | 1   | 1   | 22.77 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 70 | 1   | 187 | 23.03 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 70 | 189 | 0   | 21.28 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 70 | 95  | 47  | 22.29 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 70 | 1   | 1   | 22.27 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 70 | 1   | 187 | 22.40 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 70 | 189 | 0   | 21.34 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 70 | 95  | 47  | 20.82 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 70 | 1   | 1   | 20.46 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 70 | 1   | 187 | 20.60 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 70 | 189 | 0   | 20.91 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 70 | 95  | 47  | 17.82 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 70 | 1   | 1   | 17.53 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 256QAM       | 3624.99 | 641666 | 70 | 1   | 187 | 17.90 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 70 | 189 | 0   | 17.88 |
| DFT-s-OFDM PI/2 BPSK | 3664.98 | 644332 | 70 | 90  | 45  | 19.87 |
| DFT-s-OFDM PI/2 BPSK | 3664.98 | 644332 | 70 | 1   | 1   | 19.49 |
| DFT-s-OFDM PI/2 BPSK | 3664.98 | 644332 | 70 | 1   | 187 | 19.77 |
| DFT-s-OFDM PI/2 BPSK | 3664.98 | 644332 | 70 | 180 | 0   | 19.90 |
| DFT-s-OFDM QPSK      | 3664.98 | 644332 | 70 | 90  | 45  | 24.46 |
| DFT-s-OFDM QPSK      | 3664.98 | 644332 | 70 | 1   | 1   | 24.08 |
| DFT-s-OFDM QPSK      | 3664.98 | 644332 | 70 | 1   | 187 | 24.34 |
| DFT-s-OFDM QPSK      | 3664.98 | 644332 | 70 | 180 | 0   | 23.44 |
| DFT-s-OFDM 16QAM     | 3664.98 | 644332 | 70 | 90  | 45  | 23.47 |
| DFT-s-OFDM 16QAM     | 3664.98 | 644332 | 70 | 1   | 1   | 23.26 |
| DFT-s-OFDM 16QAM     | 3664.98 | 644332 | 70 | 1   | 187 | 23.42 |
| DFT-s-OFDM 16QAM     | 3664.98 | 644332 | 70 | 180 | 0   | 22.42 |
| DFT-s-OFDM 64QAM     | 3664.98 | 644332 | 70 | 90  | 45  | 22.00 |
| DFT-s-OFDM 64QAM     | 3664.98 | 644332 | 70 | 1   | 1   | 21.24 |
| DFT-s-OFDM 64QAM     | 3664.98 | 644332 | 70 | 1   | 187 | 21.46 |
| DFT-s-OFDM 64QAM     | 3664.98 | 644332 | 70 | 180 | 0   | 21.93 |
| DFT-s-OFDM 256QAM    | 3664.98 | 644332 | 70 | 90  | 45  | 19.99 |
| DFT-s-OFDM 256QAM    | 3664.98 | 644332 | 70 | 1   | 1   | 19.59 |
| DFT-s-OFDM 256QAM    | 3664.98 | 644332 | 70 | 1   | 187 | 19.67 |
| DFT-s-OFDM 256QAM    | 3664.98 | 644332 | 70 | 180 | 0   | 20.03 |
| CP-OFDM QPSK         | 3664.98 | 644332 | 70 | 95  | 47  | 22.98 |
| CP-OFDM QPSK         | 3664.98 | 644332 | 70 | 1   | 1   | 22.62 |
| CP-OFDM QPSK         | 3664.98 | 644332 | 70 | 1   | 187 | 22.87 |
| CP-OFDM QPSK         | 3664.98 | 644332 | 70 | 189 | 0   | 21.40 |
| CP-OFDM 16QAM        | 3664.98 | 644332 | 70 | 95  | 47  | 22.48 |
| CP-OFDM 16QAM        | 3664.98 | 644332 | 70 | 1   | 1   | 22.25 |
| CP-OFDM 16QAM        | 3664.98 | 644332 | 70 | 1   | 187 | 22.51 |
| CP-OFDM 16QAM        | 3664.98 | 644332 | 70 | 189 | 0   | 21.41 |
| CP-OFDM 64QAM        | 3664.98 | 644332 | 70 | 95  | 47  | 20.96 |
| CP-OFDM 64QAM        | 3664.98 | 644332 | 70 | 1   | 1   | 20.30 |
| CP-OFDM 64QAM        | 3664.98 | 644332 | 70 | 1   | 187 | 20.49 |
| CP-OFDM 64QAM        | 3664.98 | 644332 | 70 | 189 | 0   | 20.97 |
| CP-OFDM 256QAM       | 3664.98 | 644332 | 70 | 95  | 47  | 17.95 |
| CP-OFDM 256QAM       | 3664.98 | 644332 | 70 | 1   | 1   | 17.46 |
| CP-OFDM 256QAM       | 3664.98 | 644332 | 70 | 1   | 187 | 17.88 |
| CP-OFDM 256QAM       | 3664.98 | 644332 | 70 | 189 | 0   | 17.98 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 3590.01                 | 639334     | 80       | 108     | 54        | 23.35                 |
| DFT-s-OFDM PI/2 BPSK | 3590.01                 | 639334     | 80       | 1       | 1         | 24.25                 |
| DFT-s-OFDM PI/2 BPSK | 3590.01                 | 639334     | 80       | 1       | 215       | 24.23                 |
| DFT-s-OFDM PI/2 BPSK | 3590.01                 | 639334     | 80       | 216     | 0         | 23.34                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM QPSK      | 3590.01 | 639334 | 80 | 108 | 54  | 24.40 |
| DFT-s-OFDM QPSK      | 3590.01 | 639334 | 80 | 1   | 1   | 24.24 |
| DFT-s-OFDM QPSK      | 3590.01 | 639334 | 80 | 1   | 215 | 24.25 |
| DFT-s-OFDM QPSK      | 3590.01 | 639334 | 80 | 216 | 0   | 23.37 |
| DFT-s-OFDM 16QAM     | 3590.01 | 639334 | 80 | 108 | 54  | 23.37 |
| DFT-s-OFDM 16QAM     | 3590.01 | 639334 | 80 | 1   | 1   | 23.23 |
| DFT-s-OFDM 16QAM     | 3590.01 | 639334 | 80 | 1   | 215 | 23.14 |
| DFT-s-OFDM 16QAM     | 3590.01 | 639334 | 80 | 216 | 0   | 22.36 |
| DFT-s-OFDM 64QAM     | 3590.01 | 639334 | 80 | 108 | 54  | 21.89 |
| DFT-s-OFDM 64QAM     | 3590.01 | 639334 | 80 | 1   | 1   | 21.39 |
| DFT-s-OFDM 64QAM     | 3590.01 | 639334 | 80 | 1   | 215 | 21.32 |
| DFT-s-OFDM 64QAM     | 3590.01 | 639334 | 80 | 216 | 0   | 21.80 |
| DFT-s-OFDM 256QAM    | 3590.01 | 639334 | 80 | 108 | 54  | 19.97 |
| DFT-s-OFDM 256QAM    | 3590.01 | 639334 | 80 | 1   | 1   | 19.63 |
| DFT-s-OFDM 256QAM    | 3590.01 | 639334 | 80 | 1   | 215 | 19.66 |
| DFT-s-OFDM 256QAM    | 3590.01 | 639334 | 80 | 216 | 0   | 19.73 |
| CP-OFDM QPSK         | 3590.01 | 639334 | 80 | 109 | 54  | 22.81 |
| CP-OFDM QPSK         | 3590.01 | 639334 | 80 | 1   | 1   | 22.90 |
| CP-OFDM QPSK         | 3590.01 | 639334 | 80 | 1   | 215 | 22.71 |
| CP-OFDM QPSK         | 3590.01 | 639334 | 80 | 217 | 0   | 21.25 |
| CP-OFDM 16QAM        | 3590.01 | 639334 | 80 | 109 | 54  | 22.31 |
| CP-OFDM 16QAM        | 3590.01 | 639334 | 80 | 1   | 1   | 22.43 |
| CP-OFDM 16QAM        | 3590.01 | 639334 | 80 | 1   | 215 | 22.42 |
| CP-OFDM 16QAM        | 3590.01 | 639334 | 80 | 217 | 0   | 21.21 |
| CP-OFDM 64QAM        | 3590.01 | 639334 | 80 | 109 | 54  | 20.85 |
| CP-OFDM 64QAM        | 3590.01 | 639334 | 80 | 1   | 1   | 20.28 |
| CP-OFDM 64QAM        | 3590.01 | 639334 | 80 | 1   | 215 | 20.34 |
| CP-OFDM 64QAM        | 3590.01 | 639334 | 80 | 217 | 0   | 20.76 |
| CP-OFDM 256QAM       | 3590.01 | 639334 | 80 | 109 | 54  | 17.86 |
| CP-OFDM 256QAM       | 3590.01 | 639334 | 80 | 1   | 1   | 17.66 |
| CP-OFDM 256QAM       | 3590.01 | 639334 | 80 | 1   | 215 | 17.65 |
| CP-OFDM 256QAM       | 3590.01 | 639334 | 80 | 217 | 0   | 17.83 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 80 | 108 | 54  | 19.76 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 80 | 1   | 1   | 19.62 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 80 | 1   | 215 | 19.84 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 80 | 216 | 0   | 19.80 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 80 | 108 | 54  | 24.29 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 80 | 1   | 1   | 24.19 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 80 | 1   | 215 | 24.43 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 80 | 216 | 0   | 23.33 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 80 | 108 | 54  | 23.34 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 80 | 1   | 1   | 23.28 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 80 | 1   | 215 | 23.51 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 80 | 216 | 0   | 22.33 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 80 | 108 | 54  | 21.87 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 80 | 1   | 1   | 21.25 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 80 | 1   | 215 | 21.57 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 80 | 216 | 0   | 21.84 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 80 | 108 | 54  | 19.80 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 80 | 1   | 1   | 19.50 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 80 | 1   | 215 | 19.85 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 80 | 216 | 0   | 19.75 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 80 | 109 | 54  | 22.75 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 80 | 1   | 1   | 22.74 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 80 | 1   | 215 | 22.88 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 80 | 217 | 0   | 21.29 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 80 | 109 | 54  | 22.34 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 80 | 1   | 1   | 22.28 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 80 | 1   | 215 | 22.53 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 80 | 217 | 0   | 21.35 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 80 | 109 | 54  | 20.78 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 80 | 1   | 1   | 20.27 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 80 | 1   | 215 | 20.46 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 80 | 217 | 0   | 20.87 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 80 | 109 | 54  | 17.85 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 80 | 1   | 1   | 17.69 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 80 | 1   | 215 | 17.84 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 80 | 217 | 0   | 17.90 |
| DFT-s-OFDM PI/2 BPSK | 3660    | 644000 | 80 | 108 | 54  | 19.87 |
| DFT-s-OFDM PI/2 BPSK | 3660    | 644000 | 80 | 1   | 1   | 19.58 |
| DFT-s-OFDM PI/2 BPSK | 3660    | 644000 | 80 | 1   | 215 | 19.56 |
| DFT-s-OFDM PI/2 BPSK | 3660    | 644000 | 80 | 216 | 0   | 19.81 |
| DFT-s-OFDM QPSK      | 3660    | 644000 | 80 | 108 | 54  | 24.46 |
| DFT-s-OFDM QPSK      | 3660    | 644000 | 80 | 1   | 1   | 24.30 |
| DFT-s-OFDM QPSK      | 3660    | 644000 | 80 | 1   | 215 | 24.25 |
| DFT-s-OFDM QPSK      | 3660    | 644000 | 80 | 216 | 0   | 23.37 |
| DFT-s-OFDM 16QAM     | 3660    | 644000 | 80 | 108 | 54  | 23.42 |
| DFT-s-OFDM 16QAM     | 3660    | 644000 | 80 | 1   | 1   | 23.25 |
| DFT-s-OFDM 16QAM     | 3660    | 644000 | 80 | 1   | 215 | 23.33 |
| DFT-s-OFDM 16QAM     | 3660    | 644000 | 80 | 216 | 0   | 22.34 |
| DFT-s-OFDM 64QAM     | 3660    | 644000 | 80 | 108 | 54  | 21.92 |
| DFT-s-OFDM 64QAM     | 3660    | 644000 | 80 | 1   | 1   | 21.42 |
| DFT-s-OFDM 64QAM     | 3660    | 644000 | 80 | 1   | 215 | 21.39 |
| DFT-s-OFDM 64QAM     | 3660    | 644000 | 80 | 216 | 0   | 21.89 |
| DFT-s-OFDM 256QAM    | 3660    | 644000 | 80 | 108 | 54  | 19.91 |
| DFT-s-OFDM 256QAM    | 3660    | 644000 | 80 | 1   | 1   | 19.74 |
| DFT-s-OFDM 256QAM    | 3660    | 644000 | 80 | 1   | 215 | 19.56 |
| DFT-s-OFDM 256QAM    | 3660    | 644000 | 80 | 216 | 0   | 19.79 |
| CP-OFDM QPSK         | 3660    | 644000 | 80 | 109 | 54  | 22.89 |
| CP-OFDM QPSK         | 3660    | 644000 | 80 | 1   | 1   | 22.70 |

|                |      |        |    |     |     |       |
|----------------|------|--------|----|-----|-----|-------|
| CP-OFDM QPSK   | 3660 | 644000 | 80 | 1   | 215 | 22.86 |
| CP-OFDM QPSK   | 3660 | 644000 | 80 | 217 | 0   | 21.34 |
| CP-OFDM 16QAM  | 3660 | 644000 | 80 | 109 | 54  | 22.43 |
| CP-OFDM 16QAM  | 3660 | 644000 | 80 | 1   | 1   | 22.42 |
| CP-OFDM 16QAM  | 3660 | 644000 | 80 | 1   | 215 | 22.20 |
| CP-OFDM 16QAM  | 3660 | 644000 | 80 | 217 | 0   | 21.35 |
| CP-OFDM 64QAM  | 3660 | 644000 | 80 | 109 | 54  | 20.93 |
| CP-OFDM 64QAM  | 3660 | 644000 | 80 | 1   | 1   | 20.33 |
| CP-OFDM 64QAM  | 3660 | 644000 | 80 | 1   | 215 | 20.44 |
| CP-OFDM 64QAM  | 3660 | 644000 | 80 | 217 | 0   | 20.87 |
| CP-OFDM 256QAM | 3660 | 644000 | 80 | 109 | 54  | 18.05 |
| CP-OFDM 256QAM | 3660 | 644000 | 80 | 1   | 1   | 17.70 |
| CP-OFDM 256QAM | 3660 | 644000 | 80 | 1   | 215 | 17.72 |
| CP-OFDM 256QAM | 3660 | 644000 | 80 | 217 | 0   | 18.02 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 3595.02                 | 639668     | 90       | 120     | 60        | 19.66                 |
| DFT-s-OFDM PI/2 BPSK | 3595.02                 | 639668     | 90       | 1       | 1         | 19.60                 |
| DFT-s-OFDM PI/2 BPSK | 3595.02                 | 639668     | 90       | 1       | 243       | 19.57                 |
| DFT-s-OFDM PI/2 BPSK | 3595.02                 | 639668     | 90       | 243     | 0         | 19.69                 |
| DFT-s-OFDM QPSK      | 3595.02                 | 639668     | 90       | 120     | 60        | 24.29                 |
| DFT-s-OFDM QPSK      | 3595.02                 | 639668     | 90       | 1       | 1         | 24.21                 |
| DFT-s-OFDM QPSK      | 3595.02                 | 639668     | 90       | 1       | 243       | 24.25                 |
| DFT-s-OFDM QPSK      | 3595.02                 | 639668     | 90       | 243     | 0         | 23.23                 |
| DFT-s-OFDM 16QAM     | 3595.02                 | 639668     | 90       | 120     | 60        | 23.26                 |
| DFT-s-OFDM 16QAM     | 3595.02                 | 639668     | 90       | 1       | 1         | 23.35                 |
| DFT-s-OFDM 16QAM     | 3595.02                 | 639668     | 90       | 1       | 243       | 23.28                 |
| DFT-s-OFDM 16QAM     | 3595.02                 | 639668     | 90       | 243     | 0         | 22.15                 |
| DFT-s-OFDM 64QAM     | 3595.02                 | 639668     | 90       | 120     | 60        | 21.78                 |
| DFT-s-OFDM 64QAM     | 3595.02                 | 639668     | 90       | 1       | 1         | 21.37                 |
| DFT-s-OFDM 64QAM     | 3595.02                 | 639668     | 90       | 1       | 243       | 21.30                 |
| DFT-s-OFDM 64QAM     | 3595.02                 | 639668     | 90       | 243     | 0         | 21.76                 |
| DFT-s-OFDM 256QAM    | 3595.02                 | 639668     | 90       | 120     | 60        | 19.77                 |
| DFT-s-OFDM 256QAM    | 3595.02                 | 639668     | 90       | 1       | 1         | 19.63                 |
| DFT-s-OFDM 256QAM    | 3595.02                 | 639668     | 90       | 1       | 243       | 19.53                 |
| DFT-s-OFDM 256QAM    | 3595.02                 | 639668     | 90       | 243     | 0         | 19.69                 |
| CP-OFDM QPSK         | 3595.02                 | 639668     | 90       | 123     | 61        | 22.75                 |
| CP-OFDM QPSK         | 3595.02                 | 639668     | 90       | 1       | 1         | 22.76                 |
| CP-OFDM QPSK         | 3595.02                 | 639668     | 90       | 1       | 243       | 22.77                 |
| CP-OFDM QPSK         | 3595.02                 | 639668     | 90       | 245     | 0         | 21.13                 |
| CP-OFDM 16QAM        | 3595.02                 | 639668     | 90       | 123     | 61        | 22.29                 |
| CP-OFDM 16QAM        | 3595.02                 | 639668     | 90       | 1       | 1         | 22.42                 |
| CP-OFDM 16QAM        | 3595.02                 | 639668     | 90       | 1       | 243       | 22.24                 |
| CP-OFDM 16QAM        | 3595.02                 | 639668     | 90       | 245     | 0         | 21.19                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 64QAM        | 3595.02 | 639668 | 90 | 123 | 61  | 20.76 |
| CP-OFDM 64QAM        | 3595.02 | 639668 | 90 | 1   | 1   | 20.31 |
| CP-OFDM 64QAM        | 3595.02 | 639668 | 90 | 1   | 243 | 20.30 |
| CP-OFDM 64QAM        | 3595.02 | 639668 | 90 | 245 | 0   | 20.74 |
| CP-OFDM 256QAM       | 3595.02 | 639668 | 90 | 123 | 61  | 17.82 |
| CP-OFDM 256QAM       | 3595.02 | 639668 | 90 | 1   | 1   | 17.71 |
| CP-OFDM 256QAM       | 3595.02 | 639668 | 90 | 1   | 243 | 17.69 |
| CP-OFDM 256QAM       | 3595.02 | 639668 | 90 | 245 | 0   | 17.72 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 90 | 120 | 60  | 19.77 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 90 | 1   | 1   | 19.52 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 90 | 1   | 243 | 19.94 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 90 | 243 | 0   | 19.77 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 90 | 120 | 60  | 24.36 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 90 | 1   | 1   | 24.03 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 90 | 1   | 243 | 24.43 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 90 | 243 | 0   | 23.33 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 90 | 120 | 60  | 23.31 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 90 | 1   | 1   | 23.06 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 90 | 1   | 243 | 23.48 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 90 | 243 | 0   | 22.27 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 90 | 120 | 60  | 21.83 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 90 | 1   | 1   | 21.23 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 90 | 1   | 243 | 21.66 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 90 | 243 | 0   | 21.90 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 90 | 120 | 60  | 19.94 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 90 | 1   | 1   | 19.48 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 90 | 1   | 243 | 19.83 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 90 | 243 | 0   | 19.80 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 90 | 123 | 61  | 22.79 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 90 | 1   | 1   | 22.67 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 90 | 1   | 243 | 23.11 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 90 | 245 | 0   | 21.33 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 90 | 123 | 61  | 22.31 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 90 | 1   | 1   | 22.13 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 90 | 1   | 243 | 22.53 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 90 | 245 | 0   | 21.34 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 90 | 123 | 61  | 20.85 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 90 | 1   | 1   | 20.23 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 90 | 1   | 243 | 20.59 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 90 | 245 | 0   | 20.77 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 90 | 123 | 61  | 17.86 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 90 | 1   | 1   | 17.55 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 90 | 1   | 243 | 17.98 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 90 | 245 | 0   | 17.87 |
| DFT-s-OFDM PI/2 BPSK | 3654.99 | 643666 | 90 | 120 | 60  | 19.84 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM PI/2 BPSK | 3654.99 | 643666 | 90 | 1   | 1   | 19.68 |
| DFT-s-OFDM PI/2 BPSK | 3654.99 | 643666 | 90 | 1   | 243 | 19.84 |
| DFT-s-OFDM PI/2 BPSK | 3654.99 | 643666 | 90 | 243 | 0   | 19.87 |
| DFT-s-OFDM QPSK      | 3654.99 | 643666 | 90 | 120 | 60  | 24.46 |
| DFT-s-OFDM QPSK      | 3654.99 | 643666 | 90 | 1   | 1   | 24.29 |
| DFT-s-OFDM QPSK      | 3654.99 | 643666 | 90 | 1   | 243 | 24.39 |
| DFT-s-OFDM QPSK      | 3654.99 | 643666 | 90 | 243 | 0   | 23.45 |
| DFT-s-OFDM 16QAM     | 3654.99 | 643666 | 90 | 120 | 60  | 23.39 |
| DFT-s-OFDM 16QAM     | 3654.99 | 643666 | 90 | 1   | 1   | 23.35 |
| DFT-s-OFDM 16QAM     | 3654.99 | 643666 | 90 | 1   | 243 | 23.38 |
| DFT-s-OFDM 16QAM     | 3654.99 | 643666 | 90 | 243 | 0   | 22.41 |
| DFT-s-OFDM 64QAM     | 3654.99 | 643666 | 90 | 120 | 60  | 22.03 |
| DFT-s-OFDM 64QAM     | 3654.99 | 643666 | 90 | 1   | 1   | 21.42 |
| DFT-s-OFDM 64QAM     | 3654.99 | 643666 | 90 | 1   | 243 | 21.56 |
| DFT-s-OFDM 64QAM     | 3654.99 | 643666 | 90 | 243 | 0   | 21.93 |
| DFT-s-OFDM 256QAM    | 3654.99 | 643666 | 90 | 120 | 60  | 19.94 |
| DFT-s-OFDM 256QAM    | 3654.99 | 643666 | 90 | 1   | 1   | 19.71 |
| DFT-s-OFDM 256QAM    | 3654.99 | 643666 | 90 | 1   | 243 | 19.83 |
| DFT-s-OFDM 256QAM    | 3654.99 | 643666 | 90 | 243 | 0   | 19.86 |
| CP-OFDM QPSK         | 3654.99 | 643666 | 90 | 123 | 61  | 22.95 |
| CP-OFDM QPSK         | 3654.99 | 643666 | 90 | 1   | 1   | 22.89 |
| CP-OFDM QPSK         | 3654.99 | 643666 | 90 | 1   | 243 | 23.00 |
| CP-OFDM QPSK         | 3654.99 | 643666 | 90 | 245 | 0   | 21.36 |
| CP-OFDM 16QAM        | 3654.99 | 643666 | 90 | 123 | 61  | 22.38 |
| CP-OFDM 16QAM        | 3654.99 | 643666 | 90 | 1   | 1   | 22.31 |
| CP-OFDM 16QAM        | 3654.99 | 643666 | 90 | 1   | 243 | 22.54 |
| CP-OFDM 16QAM        | 3654.99 | 643666 | 90 | 245 | 0   | 21.44 |
| CP-OFDM 64QAM        | 3654.99 | 643666 | 90 | 123 | 61  | 20.94 |
| CP-OFDM 64QAM        | 3654.99 | 643666 | 90 | 1   | 1   | 20.49 |
| CP-OFDM 64QAM        | 3654.99 | 643666 | 90 | 1   | 243 | 20.43 |
| CP-OFDM 64QAM        | 3654.99 | 643666 | 90 | 245 | 0   | 20.83 |
| CP-OFDM 256QAM       | 3654.99 | 643666 | 90 | 123 | 61  | 18.09 |
| CP-OFDM 256QAM       | 3654.99 | 643666 | 90 | 1   | 1   | 17.88 |
| CP-OFDM 256QAM       | 3654.99 | 643666 | 90 | 1   | 243 | 17.86 |
| CP-OFDM 256QAM       | 3654.99 | 643666 | 90 | 245 | 0   | 17.96 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 3600                    | 640000     | 100      | 135     | 67        | 19.77                 |
| DFT-s-OFDM PI/2 BPSK | 3600                    | 640000     | 100      | 1       | 1         | 19.56                 |
| DFT-s-OFDM PI/2 BPSK | 3600                    | 640000     | 100      | 1       | 271       | 19.70                 |
| DFT-s-OFDM PI/2 BPSK | 3600                    | 640000     | 100      | 270     | 0         | 19.76                 |
| DFT-s-OFDM QPSK      | 3600                    | 640000     | 100      | 135     | 67        | 24.38                 |
| DFT-s-OFDM QPSK      | 3600                    | 640000     | 100      | 1       | 1         | 24.14                 |
| DFT-s-OFDM QPSK      | 3600                    | 640000     | 100      | 1       | 271       | 24.41                 |

|                      |         |        |     |     |     |       |
|----------------------|---------|--------|-----|-----|-----|-------|
| DFT-s-OFDM QPSK      | 3600    | 640000 | 100 | 270 | 0   | 23.30 |
| DFT-s-OFDM 16QAM     | 3600    | 640000 | 100 | 135 | 67  | 23.36 |
| DFT-s-OFDM 16QAM     | 3600    | 640000 | 100 | 1   | 1   | 23.04 |
| DFT-s-OFDM 16QAM     | 3600    | 640000 | 100 | 1   | 271 | 23.33 |
| DFT-s-OFDM 16QAM     | 3600    | 640000 | 100 | 270 | 0   | 22.36 |
| DFT-s-OFDM 64QAM     | 3600    | 640000 | 100 | 135 | 67  | 21.92 |
| DFT-s-OFDM 64QAM     | 3600    | 640000 | 100 | 1   | 1   | 21.29 |
| DFT-s-OFDM 64QAM     | 3600    | 640000 | 100 | 1   | 271 | 21.51 |
| DFT-s-OFDM 64QAM     | 3600    | 640000 | 100 | 270 | 0   | 21.75 |
| DFT-s-OFDM 256QAM    | 3600    | 640000 | 100 | 135 | 67  | 20.01 |
| DFT-s-OFDM 256QAM    | 3600    | 640000 | 100 | 1   | 1   | 19.54 |
| DFT-s-OFDM 256QAM    | 3600    | 640000 | 100 | 1   | 271 | 19.68 |
| DFT-s-OFDM 256QAM    | 3600    | 640000 | 100 | 270 | 0   | 19.82 |
| CP-OFDM QPSK         | 3600    | 640000 | 100 | 137 | 68  | 22.91 |
| CP-OFDM QPSK         | 3600    | 640000 | 100 | 1   | 1   | 22.65 |
| CP-OFDM QPSK         | 3600    | 640000 | 100 | 1   | 271 | 22.95 |
| CP-OFDM QPSK         | 3600    | 640000 | 100 | 273 | 0   | 21.36 |
| CP-OFDM 16QAM        | 3600    | 640000 | 100 | 137 | 68  | 22.35 |
| CP-OFDM 16QAM        | 3600    | 640000 | 100 | 1   | 1   | 22.27 |
| CP-OFDM 16QAM        | 3600    | 640000 | 100 | 1   | 271 | 22.46 |
| CP-OFDM 16QAM        | 3600    | 640000 | 100 | 273 | 0   | 21.30 |
| CP-OFDM 64QAM        | 3600    | 640000 | 100 | 137 | 68  | 20.92 |
| CP-OFDM 64QAM        | 3600    | 640000 | 100 | 1   | 1   | 20.31 |
| CP-OFDM 64QAM        | 3600    | 640000 | 100 | 1   | 271 | 20.54 |
| CP-OFDM 64QAM        | 3600    | 640000 | 100 | 273 | 0   | 20.76 |
| CP-OFDM 256QAM       | 3600    | 640000 | 100 | 137 | 68  | 17.86 |
| CP-OFDM 256QAM       | 3600    | 640000 | 100 | 1   | 1   | 17.56 |
| CP-OFDM 256QAM       | 3600    | 640000 | 100 | 1   | 271 | 17.95 |
| CP-OFDM 256QAM       | 3600    | 640000 | 100 | 273 | 0   | 17.78 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 100 | 135 | 67  | 19.75 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 100 | 1   | 1   | 19.36 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 100 | 1   | 271 | 19.91 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 100 | 270 | 0   | 19.76 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 100 | 135 | 67  | 24.35 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 100 | 1   | 1   | 24.03 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 100 | 1   | 271 | 24.48 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 100 | 270 | 0   | 23.31 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 100 | 135 | 67  | 23.39 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 100 | 1   | 1   | 23.02 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 100 | 1   | 271 | 23.46 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 100 | 270 | 0   | 22.31 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 100 | 135 | 67  | 21.87 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 100 | 1   | 1   | 21.21 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 100 | 1   | 271 | 21.64 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 100 | 270 | 0   | 21.79 |

|                      |         |        |     |     |     |       |
|----------------------|---------|--------|-----|-----|-----|-------|
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 100 | 135 | 67  | 19.83 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 100 | 1   | 1   | 19.35 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 100 | 1   | 271 | 19.82 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 100 | 270 | 0   | 19.80 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 100 | 137 | 68  | 22.82 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 100 | 1   | 1   | 22.54 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 100 | 1   | 271 | 22.97 |
| CP-OFDM QPSK         | 3624.99 | 641666 | 100 | 273 | 0   | 21.35 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 100 | 137 | 68  | 22.28 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 100 | 1   | 1   | 22.02 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 100 | 1   | 271 | 22.56 |
| CP-OFDM 16QAM        | 3624.99 | 641666 | 100 | 273 | 0   | 21.29 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 100 | 137 | 68  | 20.78 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 100 | 1   | 1   | 20.14 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 100 | 1   | 271 | 20.62 |
| CP-OFDM 64QAM        | 3624.99 | 641666 | 100 | 273 | 0   | 20.80 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 100 | 137 | 68  | 17.81 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 100 | 1   | 1   | 17.49 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 100 | 1   | 271 | 17.94 |
| CP-OFDM 256QAM       | 3624.99 | 641666 | 100 | 273 | 0   | 17.85 |
| DFT-s-OFDM PI/2 BPSK | 3649.98 | 643332 | 100 | 135 | 67  | 19.84 |
| DFT-s-OFDM PI/2 BPSK | 3649.98 | 643332 | 100 | 1   | 1   | 19.82 |
| DFT-s-OFDM PI/2 BPSK | 3649.98 | 643332 | 100 | 1   | 271 | 19.74 |
| DFT-s-OFDM PI/2 BPSK | 3649.98 | 643332 | 100 | 270 | 0   | 19.92 |
| DFT-s-OFDM QPSK      | 3649.98 | 643332 | 100 | 135 | 67  | 24.43 |
| DFT-s-OFDM QPSK      | 3649.98 | 643332 | 100 | 1   | 1   | 24.39 |
| DFT-s-OFDM QPSK      | 3649.98 | 643332 | 100 | 1   | 271 | 24.33 |
| DFT-s-OFDM QPSK      | 3649.98 | 643332 | 100 | 270 | 0   | 23.46 |
| DFT-s-OFDM 16QAM     | 3649.98 | 643332 | 100 | 135 | 67  | 23.45 |
| DFT-s-OFDM 16QAM     | 3649.98 | 643332 | 100 | 1   | 1   | 23.58 |
| DFT-s-OFDM 16QAM     | 3649.98 | 643332 | 100 | 1   | 271 | 23.39 |
| DFT-s-OFDM 16QAM     | 3649.98 | 643332 | 100 | 270 | 0   | 22.44 |
| DFT-s-OFDM 64QAM     | 3649.98 | 643332 | 100 | 135 | 67  | 21.90 |
| DFT-s-OFDM 64QAM     | 3649.98 | 643332 | 100 | 1   | 1   | 21.54 |
| DFT-s-OFDM 64QAM     | 3649.98 | 643332 | 100 | 1   | 271 | 21.47 |
| DFT-s-OFDM 64QAM     | 3649.98 | 643332 | 100 | 270 | 0   | 21.93 |
| DFT-s-OFDM 256QAM    | 3649.98 | 643332 | 100 | 135 | 67  | 19.91 |
| DFT-s-OFDM 256QAM    | 3649.98 | 643332 | 100 | 1   | 1   | 19.78 |
| DFT-s-OFDM 256QAM    | 3649.98 | 643332 | 100 | 1   | 271 | 19.73 |
| DFT-s-OFDM 256QAM    | 3649.98 | 643332 | 100 | 270 | 0   | 19.90 |
| CP-OFDM QPSK         | 3649.98 | 643332 | 100 | 137 | 68  | 22.90 |
| CP-OFDM QPSK         | 3649.98 | 643332 | 100 | 1   | 1   | 22.90 |
| CP-OFDM QPSK         | 3649.98 | 643332 | 100 | 1   | 271 | 22.90 |
| CP-OFDM QPSK         | 3649.98 | 643332 | 100 | 273 | 0   | 21.37 |
| CP-OFDM 16QAM        | 3649.98 | 643332 | 100 | 137 | 68  | 22.36 |

|                |         |        |     |     |     |       |
|----------------|---------|--------|-----|-----|-----|-------|
| CP-OFDM 16QAM  | 3649.98 | 643332 | 100 | 1   | 1   | 22.49 |
| CP-OFDM 16QAM  | 3649.98 | 643332 | 100 | 1   | 271 | 22.44 |
| CP-OFDM 16QAM  | 3649.98 | 643332 | 100 | 273 | 0   | 21.35 |
| CP-OFDM 64QAM  | 3649.98 | 643332 | 100 | 137 | 68  | 20.95 |
| CP-OFDM 64QAM  | 3649.98 | 643332 | 100 | 1   | 1   | 20.65 |
| CP-OFDM 64QAM  | 3649.98 | 643332 | 100 | 1   | 271 | 20.42 |
| CP-OFDM 64QAM  | 3649.98 | 643332 | 100 | 273 | 0   | 20.95 |
| CP-OFDM 256QAM | 3649.98 | 643332 | 100 | 137 | 68  | 17.95 |
| CP-OFDM 256QAM | 3649.98 | 643332 | 100 | 1   | 1   | 17.88 |
| CP-OFDM 256QAM | 3649.98 | 643332 | 100 | 1   | 271 | 17.83 |
| CP-OFDM 256QAM | 3649.98 | 643332 | 100 | 273 | 0   | 17.98 |

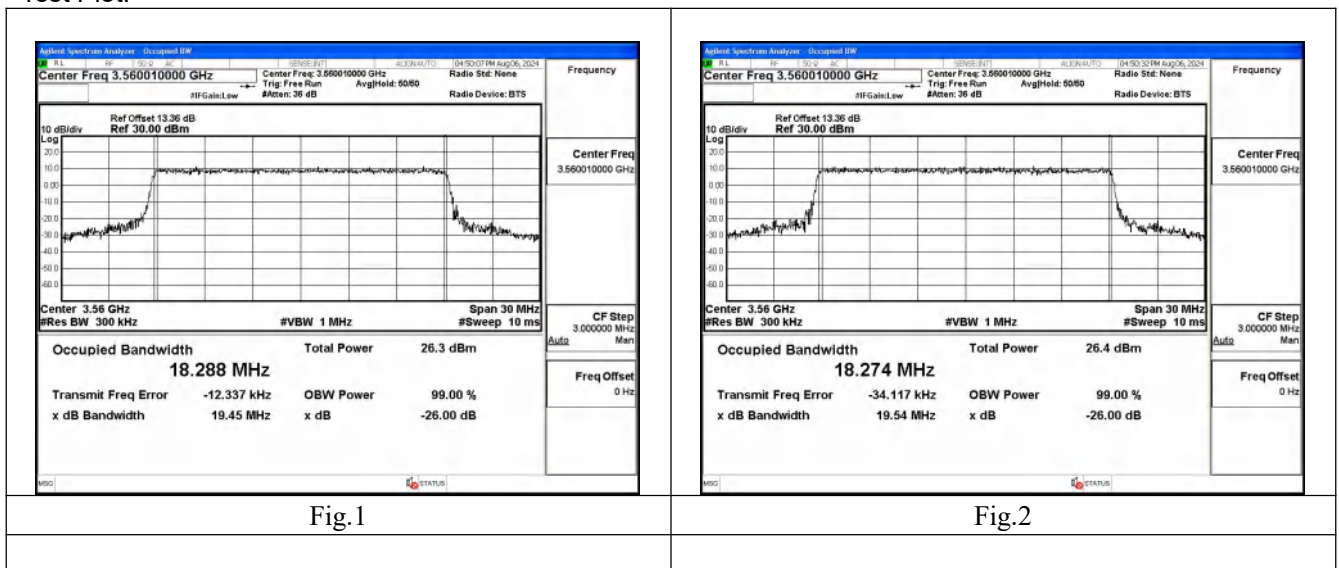
## 2 Occupied Bandwidth

| Modulation     | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |
|----------------|-------------------------|------------|----------|---------|-----------|------------------------------|--------|
| CP-OFDM QPSK   | 3560.01                 | 637334     | 20       | 51      | 0         | 18.290                       | Fig.1  |
| CP-OFDM 16QAM  | 3560.01                 | 637334     | 20       | 51      | 0         | 18.270                       | Fig.2  |
| CP-OFDM 64QAM  | 3560.01                 | 637334     | 20       | 51      | 0         | 18.250                       | Fig.3  |
| CP-OFDM 256QAM | 3560.01                 | 637334     | 20       | 51      | 0         | 18.250                       | Fig.4  |
| CP-OFDM QPSK   | 3624.99                 | 641666     | 20       | 51      | 0         | 18.290                       | Fig.5  |
| CP-OFDM 16QAM  | 3624.99                 | 641666     | 20       | 51      | 0         | 18.280                       | Fig.6  |
| CP-OFDM 64QAM  | 3624.99                 | 641666     | 20       | 51      | 0         | 18.290                       | Fig.7  |
| CP-OFDM 256QAM | 3624.99                 | 641666     | 20       | 51      | 0         | 18.260                       | Fig.8  |
| CP-OFDM QPSK   | 3690                    | 646000     | 20       | 51      | 0         | 18.290                       | Fig.9  |
| CP-OFDM 16QAM  | 3690                    | 646000     | 20       | 51      | 0         | 18.280                       | Fig.10 |
| CP-OFDM 64QAM  | 3690                    | 646000     | 20       | 51      | 0         | 18.280                       | Fig.11 |
| CP-OFDM 256QAM | 3690                    | 646000     | 20       | 51      | 0         | 18.280                       | Fig.12 |
| CP-OFDM QPSK   | 3565.02                 | 637668     | 30       | 78      | 0         | 27.880                       | Fig.13 |
| CP-OFDM 16QAM  | 3565.02                 | 637668     | 30       | 78      | 0         | 27.850                       | Fig.14 |
| CP-OFDM 64QAM  | 3565.02                 | 637668     | 30       | 78      | 0         | 27.880                       | Fig.15 |
| CP-OFDM 256QAM | 3565.02                 | 637668     | 30       | 78      | 0         | 27.870                       | Fig.16 |
| CP-OFDM QPSK   | 3624.99                 | 641666     | 30       | 78      | 0         | 27.880                       | Fig.17 |
| CP-OFDM 16QAM  | 3624.99                 | 641666     | 30       | 78      | 0         | 27.840                       | Fig.18 |
| CP-OFDM 64QAM  | 3624.99                 | 641666     | 30       | 78      | 0         | 27.870                       | Fig.19 |
| CP-OFDM 256QAM | 3624.99                 | 641666     | 30       | 78      | 0         | 27.900                       | Fig.20 |
| CP-OFDM QPSK   | 3684.99                 | 645666     | 30       | 78      | 0         | 27.890                       | Fig.21 |
| CP-OFDM 16QAM  | 3684.99                 | 645666     | 30       | 78      | 0         | 27.900                       | Fig.22 |
| CP-OFDM 64QAM  | 3684.99                 | 645666     | 30       | 78      | 0         | 27.900                       | Fig.23 |
| CP-OFDM 256QAM | 3684.99                 | 645666     | 30       | 78      | 0         | 27.930                       | Fig.24 |
| CP-OFDM QPSK   | 3570                    | 638000     | 40       | 106     | 0         | 38.260                       | Fig.25 |
| CP-OFDM 16QAM  | 3570                    | 638000     | 40       | 106     | 0         | 38.190                       | Fig.26 |
| CP-OFDM 64QAM  | 3570                    | 638000     | 40       | 106     | 0         | 38.260                       | Fig.27 |
| CP-OFDM 256QAM | 3570                    | 638000     | 40       | 106     | 0         | 38.250                       | Fig.28 |
| CP-OFDM QPSK   | 3624.99                 | 641666     | 40       | 106     | 0         | 38.210                       | Fig.29 |
| CP-OFDM 16QAM  | 3624.99                 | 641666     | 40       | 106     | 0         | 38.170                       | Fig.30 |
| CP-OFDM 64QAM  | 3624.99                 | 641666     | 40       | 106     | 0         | 38.190                       | Fig.31 |
| CP-OFDM 256QAM | 3624.99                 | 641666     | 40       | 106     | 0         | 38.190                       | Fig.32 |
| CP-OFDM QPSK   | 3679.98                 | 645332     | 40       | 106     | 0         | 38.300                       | Fig.33 |
| CP-OFDM 16QAM  | 3679.98                 | 645332     | 40       | 106     | 0         | 38.240                       | Fig.34 |
| CP-OFDM 64QAM  | 3679.98                 | 645332     | 40       | 106     | 0         | 38.260                       | Fig.35 |
| CP-OFDM 256QAM | 3679.98                 | 645332     | 40       | 106     | 0         | 38.270                       | Fig.36 |
| CP-OFDM QPSK   | 3575.01                 | 638334     | 50       | 133     | 0         | 47.810                       | Fig.37 |
| CP-OFDM 16QAM  | 3575.01                 | 638334     | 50       | 133     | 0         | 47.780                       | Fig.38 |
| CP-OFDM 64QAM  | 3575.01                 | 638334     | 50       | 133     | 0         | 47.820                       | Fig.39 |
| CP-OFDM 256QAM | 3575.01                 | 638334     | 50       | 133     | 0         | 47.800                       | Fig.40 |
| CP-OFDM QPSK   | 3624.99                 | 641666     | 50       | 133     | 0         | 47.750                       | Fig.41 |
| CP-OFDM 16QAM  | 3624.99                 | 641666     | 50       | 133     | 0         | 47.750                       | Fig.42 |

|                |         |        |    |     |   |        |        |
|----------------|---------|--------|----|-----|---|--------|--------|
| CP-OFDM 64QAM  | 3624.99 | 641666 | 50 | 133 | 0 | 47.800 | Fig.43 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 50 | 133 | 0 | 47.760 | Fig.44 |
| CP-OFDM QPSK   | 3675    | 645000 | 50 | 133 | 0 | 47.810 | Fig.45 |
| CP-OFDM 16QAM  | 3675    | 645000 | 50 | 133 | 0 | 47.780 | Fig.46 |
| CP-OFDM 64QAM  | 3675    | 645000 | 50 | 133 | 0 | 47.860 | Fig.47 |
| CP-OFDM 256QAM | 3675    | 645000 | 50 | 133 | 0 | 47.820 | Fig.48 |
| CP-OFDM QPSK   | 3580.02 | 638668 | 60 | 162 | 0 | 58.110 | Fig.49 |
| CP-OFDM 16QAM  | 3580.02 | 638668 | 60 | 162 | 0 | 58.100 | Fig.50 |
| CP-OFDM 64QAM  | 3580.02 | 638668 | 60 | 162 | 0 | 58.080 | Fig.51 |
| CP-OFDM 256QAM | 3580.02 | 638668 | 60 | 162 | 0 | 58.040 | Fig.52 |
| CP-OFDM QPSK   | 3624.99 | 641666 | 60 | 162 | 0 | 58.080 | Fig.53 |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 60 | 162 | 0 | 58.120 | Fig.54 |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 60 | 162 | 0 | 58.110 | Fig.55 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 60 | 162 | 0 | 58.060 | Fig.56 |
| CP-OFDM QPSK   | 3669.99 | 644666 | 60 | 162 | 0 | 58.130 | Fig.57 |
| CP-OFDM 16QAM  | 3669.99 | 644666 | 60 | 162 | 0 | 58.180 | Fig.58 |
| CP-OFDM 64QAM  | 3669.99 | 644666 | 60 | 162 | 0 | 58.120 | Fig.59 |
| CP-OFDM 256QAM | 3669.99 | 644666 | 60 | 162 | 0 | 58.110 | Fig.60 |
| CP-OFDM QPSK   | 3585    | 639000 | 70 | 189 | 0 | 67.710 | Fig.61 |
| CP-OFDM 16QAM  | 3585    | 639000 | 70 | 189 | 0 | 67.590 | Fig.62 |
| CP-OFDM 64QAM  | 3585    | 639000 | 70 | 189 | 0 | 67.690 | Fig.63 |
| CP-OFDM 256QAM | 3585    | 639000 | 70 | 189 | 0 | 67.650 | Fig.64 |
| CP-OFDM QPSK   | 3624.99 | 641666 | 70 | 189 | 0 | 67.670 | Fig.65 |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 70 | 189 | 0 | 67.630 | Fig.66 |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 70 | 189 | 0 | 67.740 | Fig.67 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 70 | 189 | 0 | 67.570 | Fig.68 |
| CP-OFDM QPSK   | 3664.98 | 644332 | 70 | 189 | 0 | 67.670 | Fig.69 |
| CP-OFDM 16QAM  | 3664.98 | 644332 | 70 | 189 | 0 | 67.650 | Fig.70 |
| CP-OFDM 64QAM  | 3664.98 | 644332 | 70 | 189 | 0 | 67.760 | Fig.71 |
| CP-OFDM 256QAM | 3664.98 | 644332 | 70 | 189 | 0 | 67.670 | Fig.72 |
| CP-OFDM QPSK   | 3590.01 | 639334 | 80 | 217 | 0 | 77.560 | Fig.73 |
| CP-OFDM 16QAM  | 3590.01 | 639334 | 80 | 217 | 0 | 77.670 | Fig.74 |
| CP-OFDM 64QAM  | 3590.01 | 639334 | 80 | 217 | 0 | 77.570 | Fig.75 |
| CP-OFDM 256QAM | 3590.01 | 639334 | 80 | 217 | 0 | 77.560 | Fig.76 |
| CP-OFDM QPSK   | 3624.99 | 641666 | 80 | 217 | 0 | 77.560 | Fig.77 |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 80 | 217 | 0 | 77.570 | Fig.78 |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 80 | 217 | 0 | 77.510 | Fig.79 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 80 | 217 | 0 | 77.510 | Fig.80 |
| CP-OFDM QPSK   | 3660    | 644000 | 80 | 217 | 0 | 77.640 | Fig.81 |
| CP-OFDM 16QAM  | 3660    | 644000 | 80 | 217 | 0 | 77.640 | Fig.82 |
| CP-OFDM 64QAM  | 3660    | 644000 | 80 | 217 | 0 | 77.610 | Fig.83 |
| CP-OFDM 256QAM | 3660    | 644000 | 80 | 217 | 0 | 77.600 | Fig.84 |
| CP-OFDM QPSK   | 3595.02 | 639668 | 90 | 245 | 0 | 87.490 | Fig.85 |
| CP-OFDM 16QAM  | 3595.02 | 639668 | 90 | 245 | 0 | 87.610 | Fig.86 |
| CP-OFDM 64QAM  | 3595.02 | 639668 | 90 | 245 | 0 | 87.590 | Fig.87 |

|                |         |        |     |     |   |        |         |
|----------------|---------|--------|-----|-----|---|--------|---------|
| CP-OFDM 256QAM | 3595.02 | 639668 | 90  | 245 | 0 | 87.600 | Fig.88  |
| CP-OFDM QPSK   | 3624.99 | 641666 | 90  | 245 | 0 | 87.420 | Fig.89  |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 90  | 245 | 0 | 87.550 | Fig.90  |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 90  | 245 | 0 | 87.530 | Fig.91  |
| CP-OFDM 256QAM | 3624.99 | 641666 | 90  | 245 | 0 | 87.500 | Fig.92  |
| CP-OFDM QPSK   | 3654.99 | 643666 | 90  | 245 | 0 | 87.500 | Fig.93  |
| CP-OFDM 16QAM  | 3654.99 | 643666 | 90  | 245 | 0 | 87.550 | Fig.94  |
| CP-OFDM 64QAM  | 3654.99 | 643666 | 90  | 245 | 0 | 87.540 | Fig.95  |
| CP-OFDM 256QAM | 3654.99 | 643666 | 90  | 245 | 0 | 87.700 | Fig.96  |
| CP-OFDM QPSK   | 3600    | 640000 | 100 | 273 | 0 | 97.500 | Fig.97  |
| CP-OFDM 16QAM  | 3600    | 640000 | 100 | 273 | 0 | 97.490 | Fig.98  |
| CP-OFDM 64QAM  | 3600    | 640000 | 100 | 273 | 0 | 97.480 | Fig.99  |
| CP-OFDM 256QAM | 3600    | 640000 | 100 | 273 | 0 | 97.630 | Fig.100 |
| CP-OFDM QPSK   | 3624.99 | 641666 | 100 | 273 | 0 | 97.490 | Fig.101 |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 100 | 273 | 0 | 97.450 | Fig.102 |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 100 | 273 | 0 | 97.400 | Fig.103 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 100 | 273 | 0 | 97.460 | Fig.104 |
| CP-OFDM QPSK   | 3649.98 | 643332 | 100 | 273 | 0 | 97.590 | Fig.105 |
| CP-OFDM 16QAM  | 3649.98 | 643332 | 100 | 273 | 0 | 97.700 | Fig.106 |
| CP-OFDM 64QAM  | 3649.98 | 643332 | 100 | 273 | 0 | 97.590 | Fig.107 |
| CP-OFDM 256QAM | 3649.98 | 643332 | 100 | 273 | 0 | 97.700 | Fig.108 |

#### Test Plot:



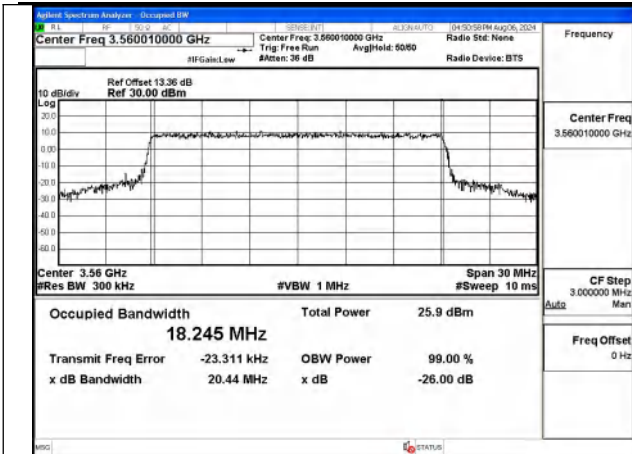


Fig.3

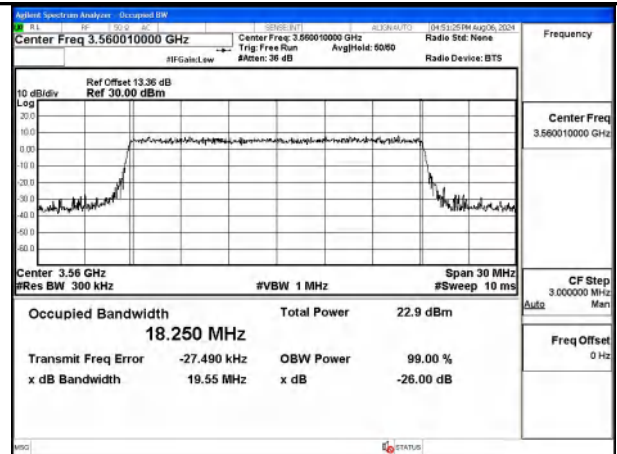


Fig.4

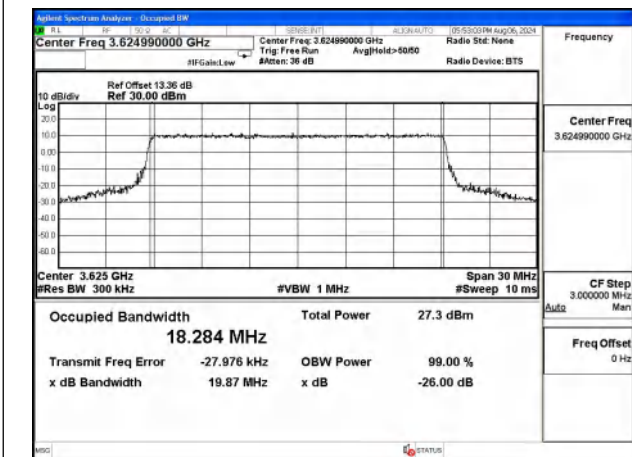


Fig.5

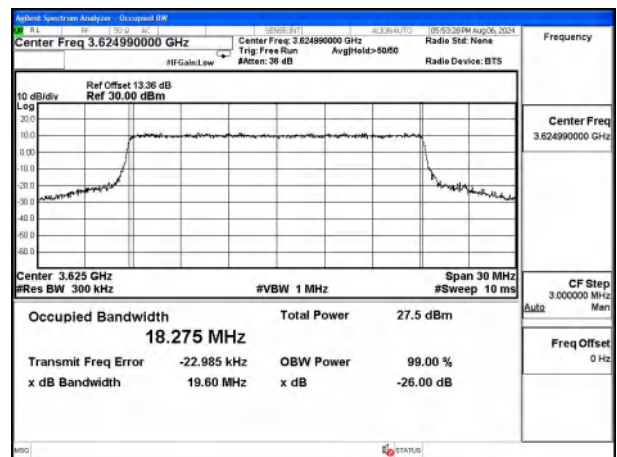


Fig.6

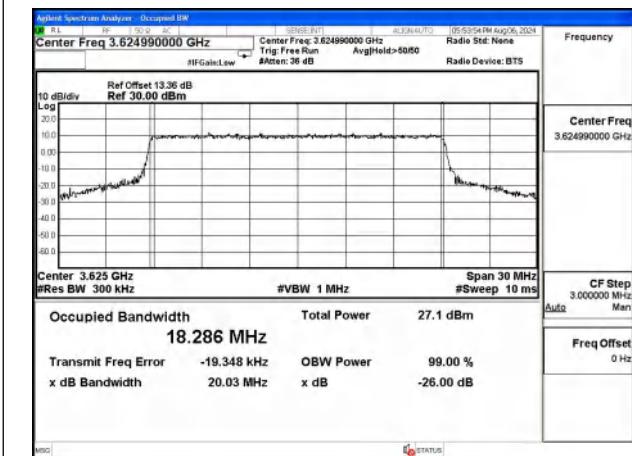


Fig.7

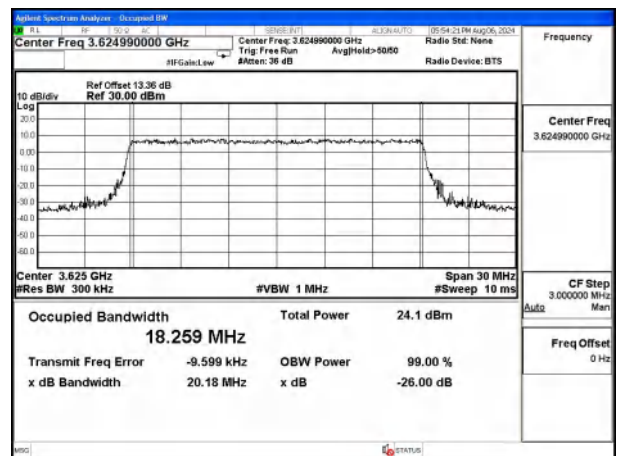


Fig.8

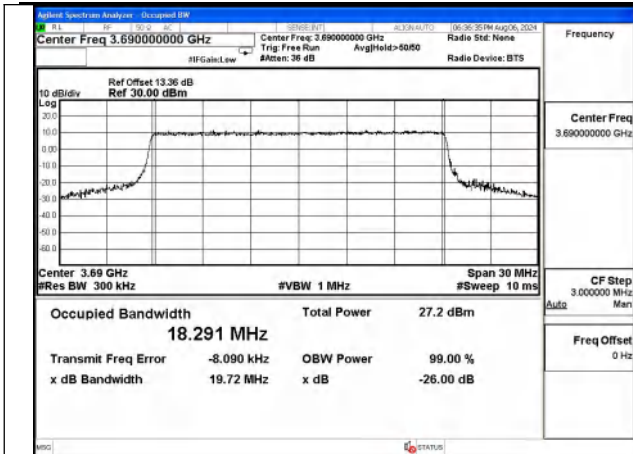


Fig.9

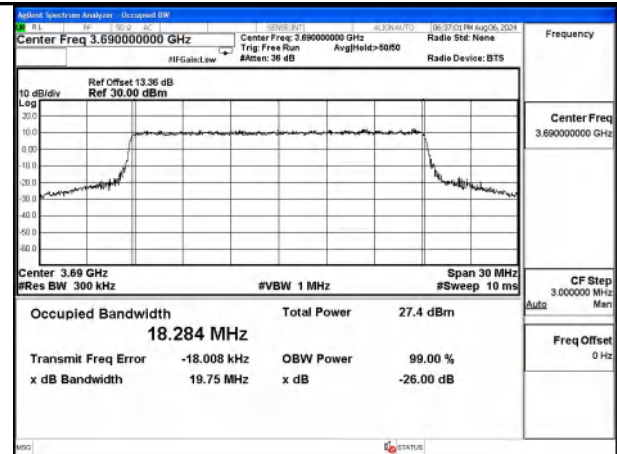


Fig.10

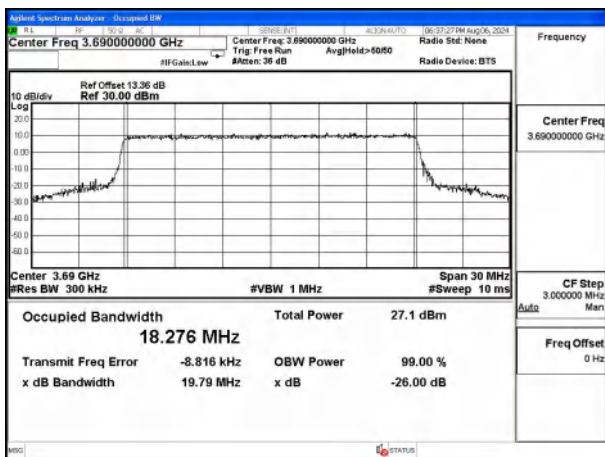


Fig.11

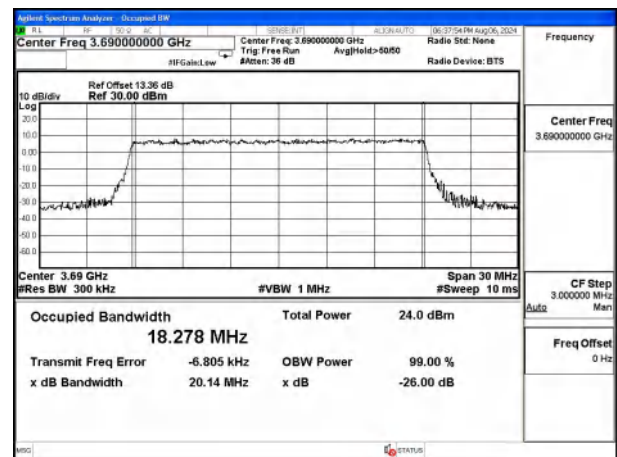


Fig.12

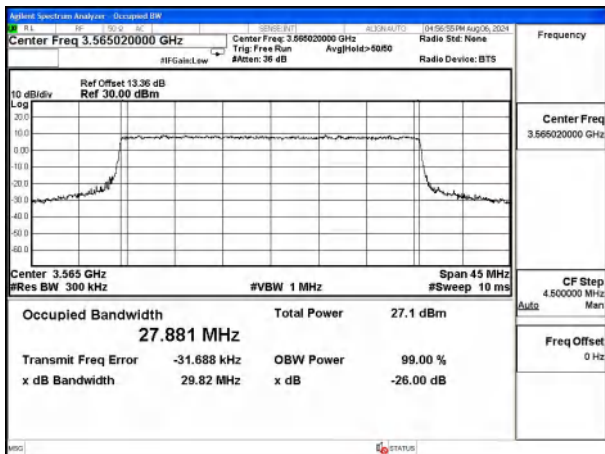


Fig.13

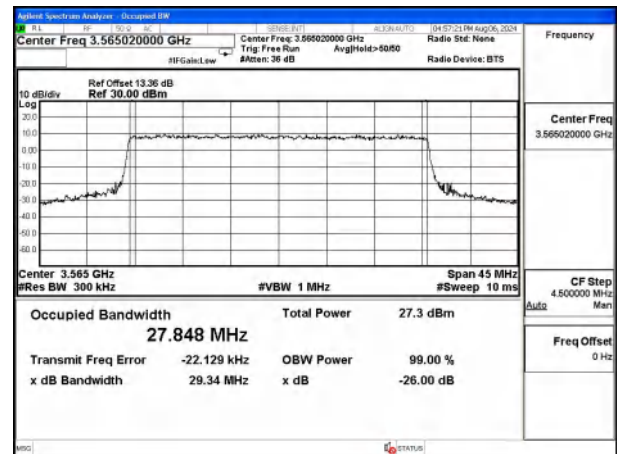


Fig.14

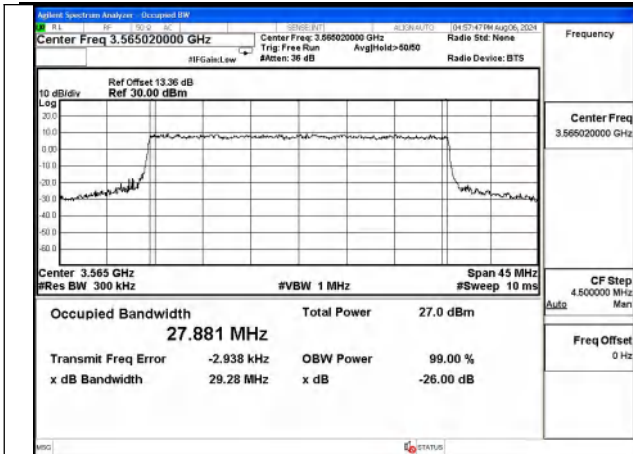


Fig.15

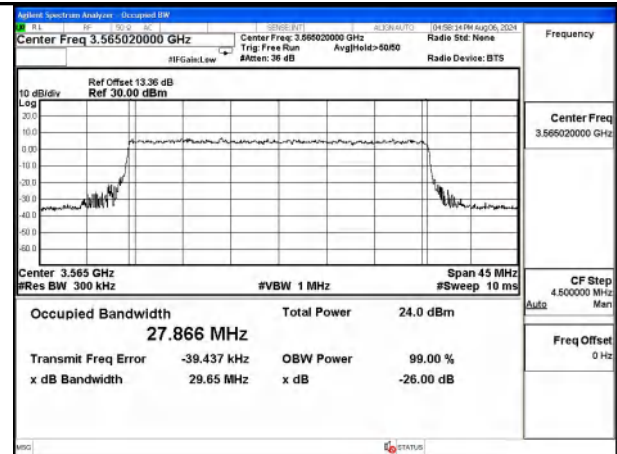


Fig.16

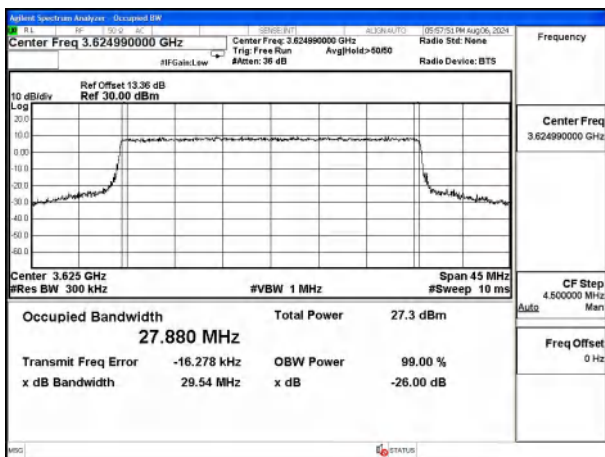


Fig.17

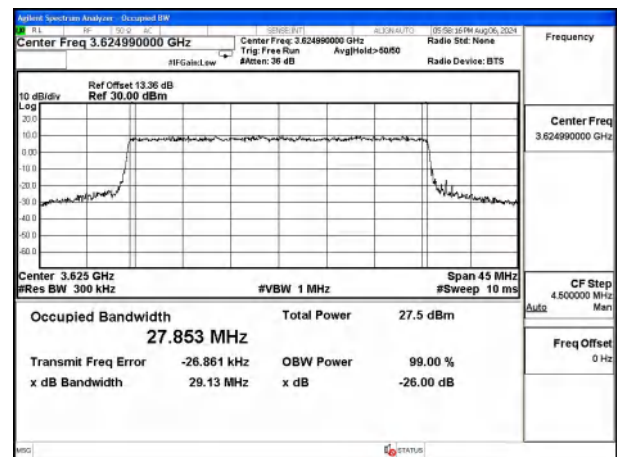


Fig.18

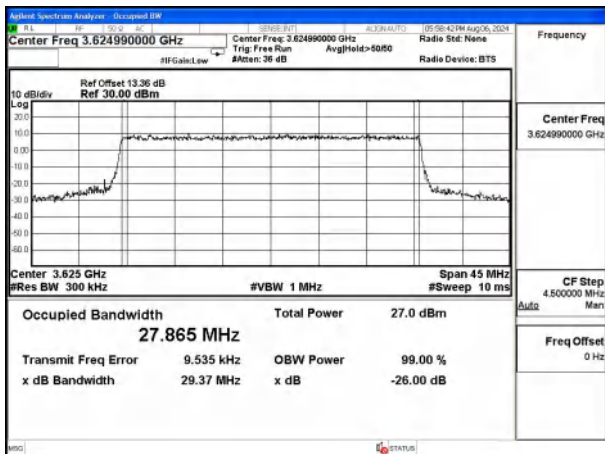


Fig.19

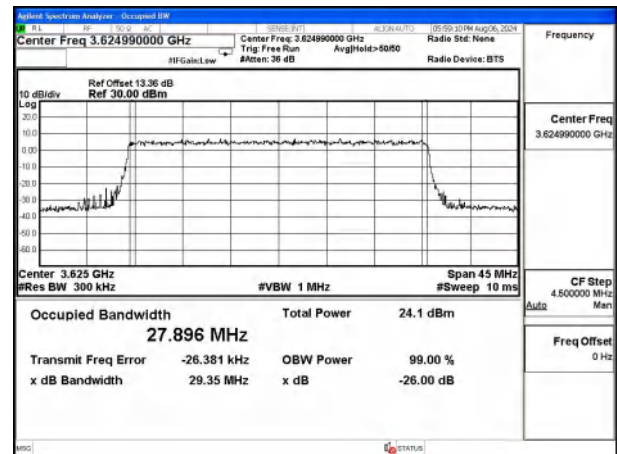


Fig.20

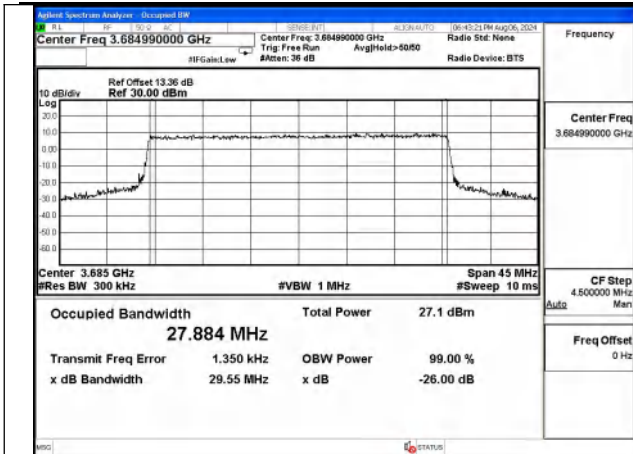


Fig.21

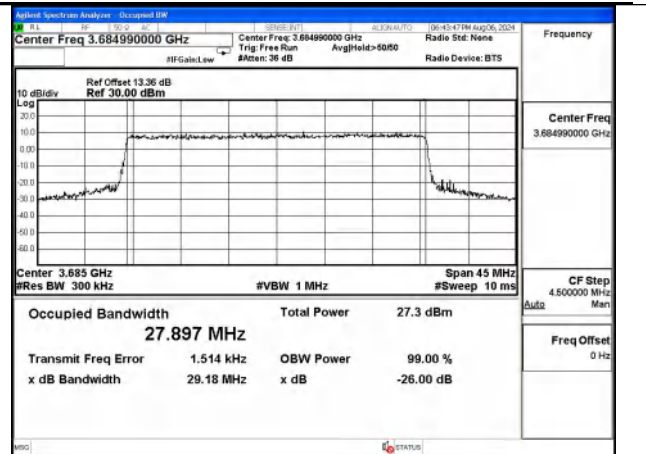


Fig.22

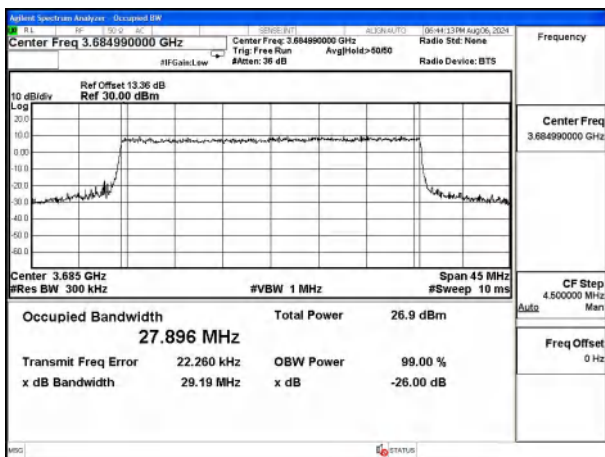


Fig.23

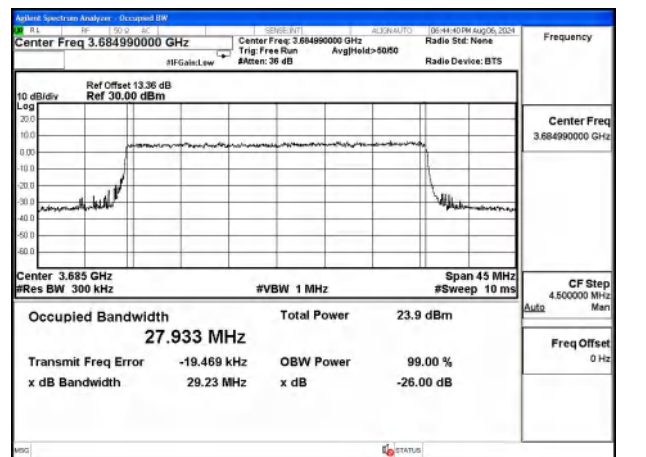


Fig.24

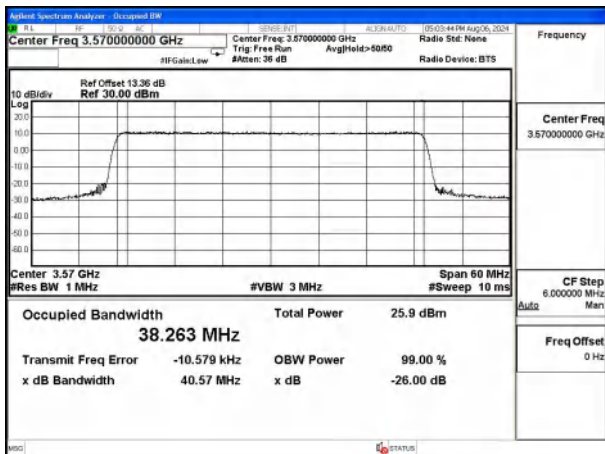


Fig.25

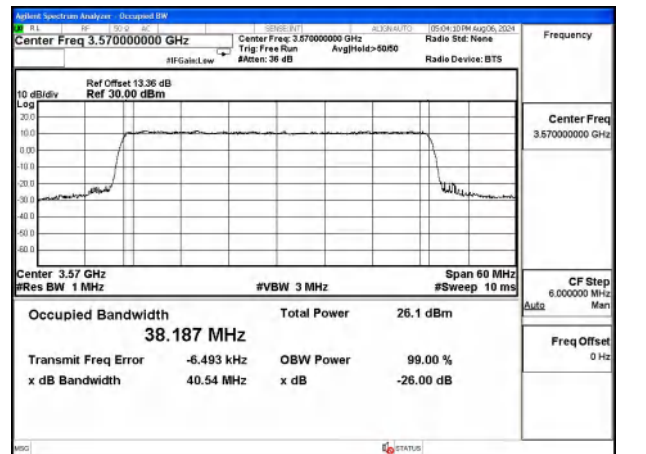


Fig.26

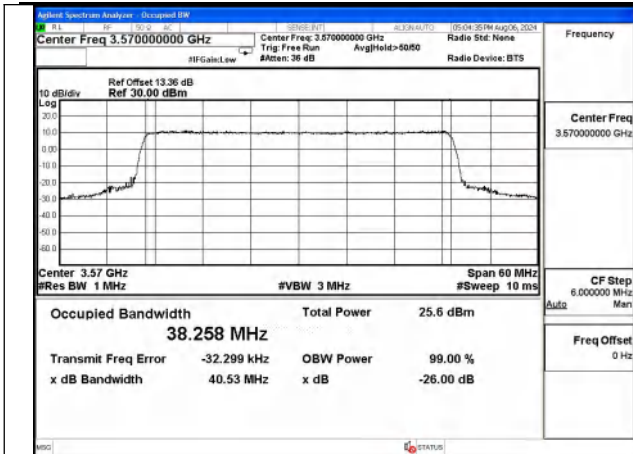


Fig.27

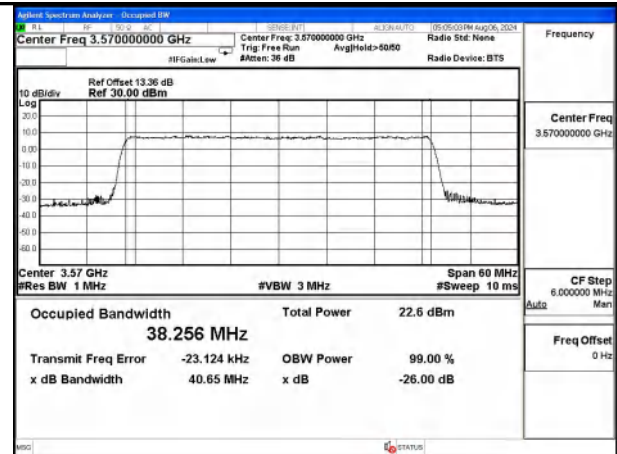


Fig.28

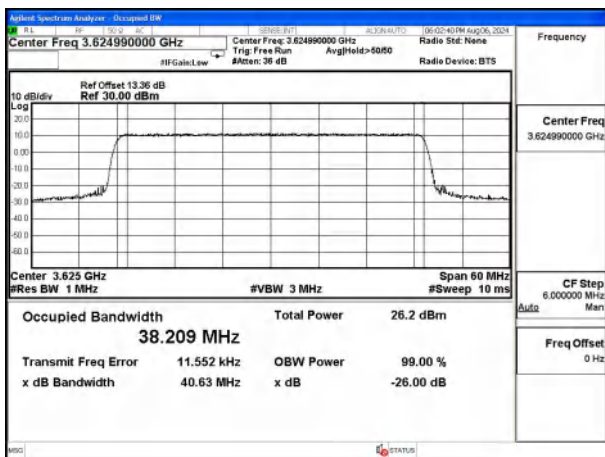


Fig.29

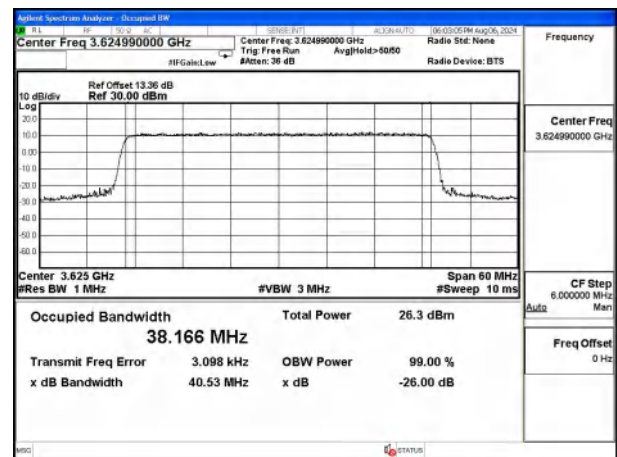


Fig.30

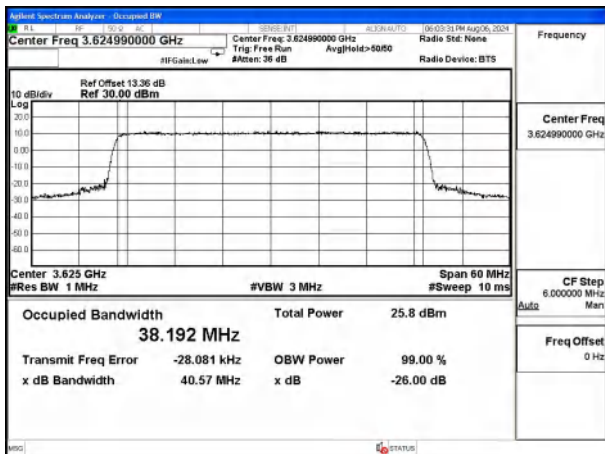


Fig.31

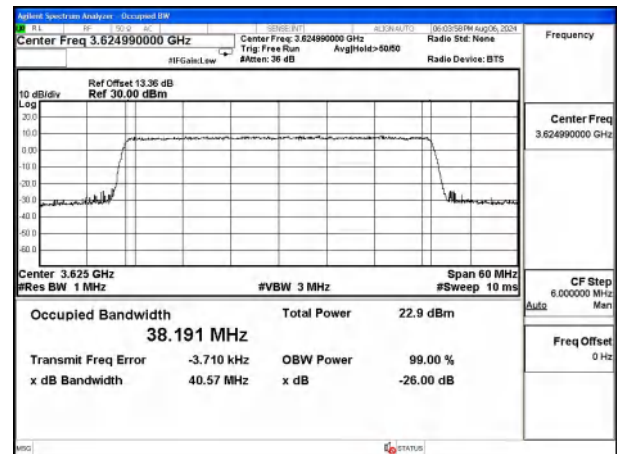


Fig.32

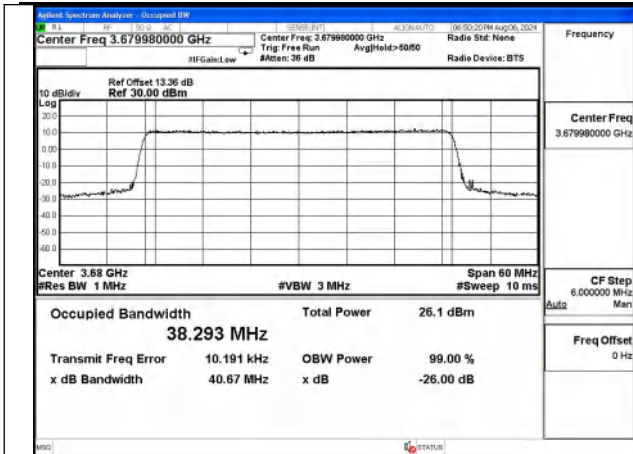


Fig.33

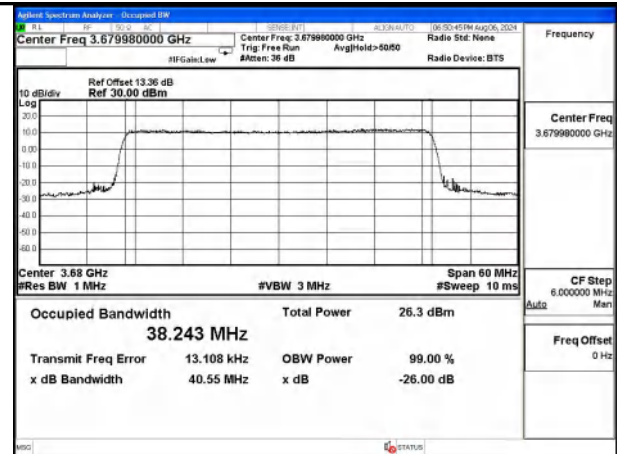


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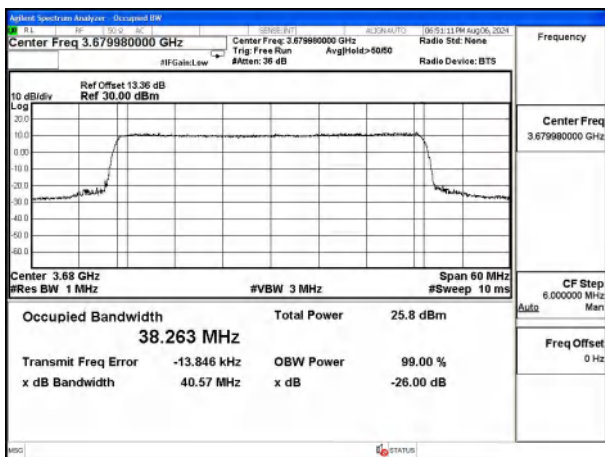


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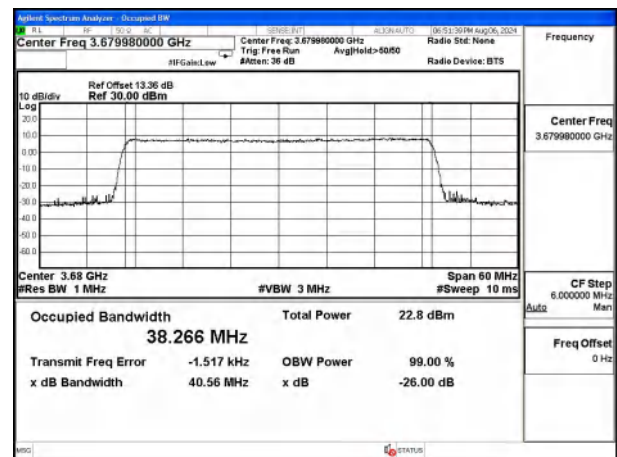


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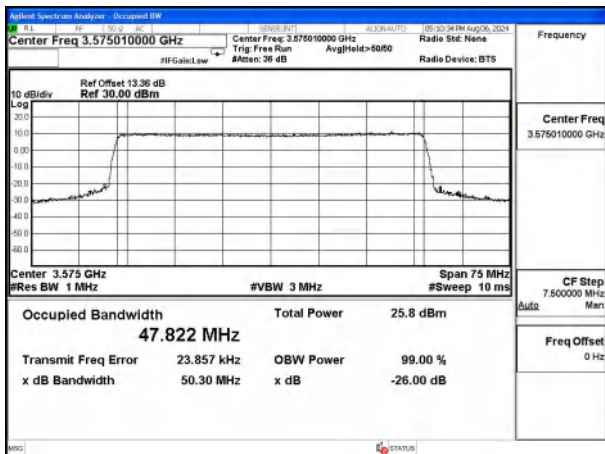


Fig.37

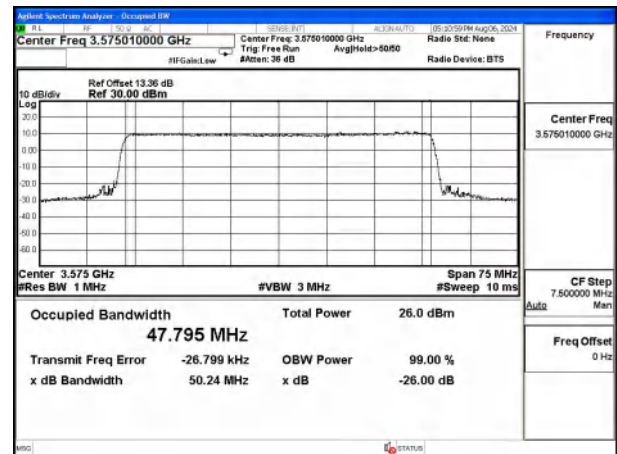


Fig.38

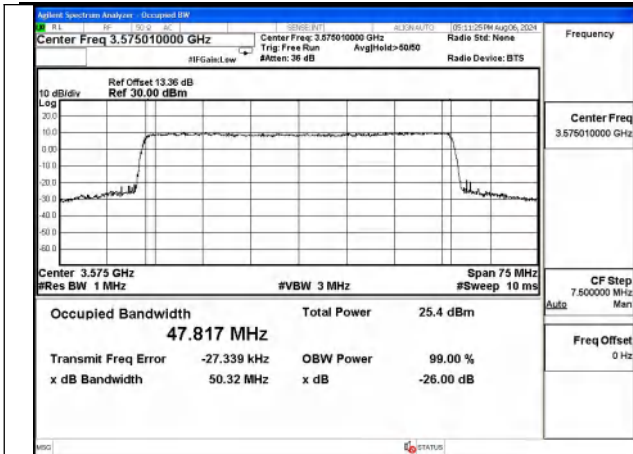


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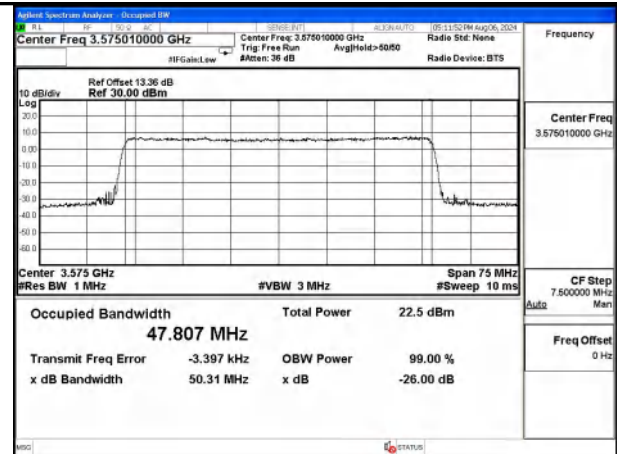


Fig.40

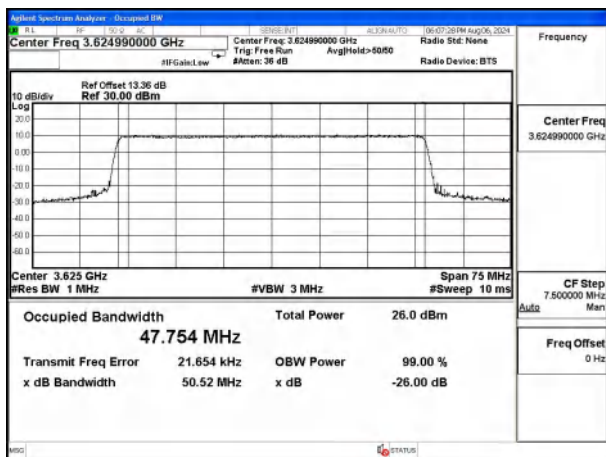


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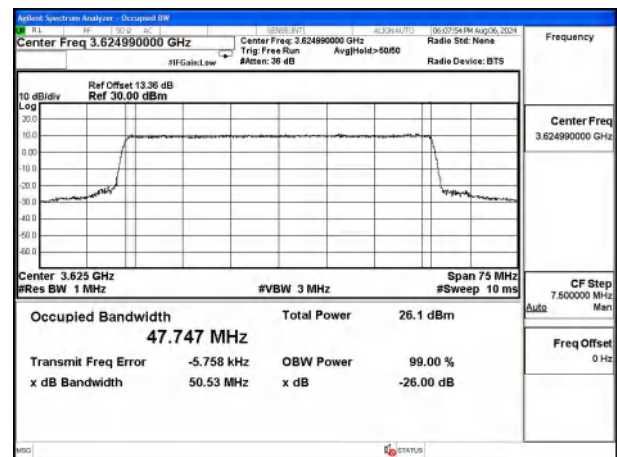


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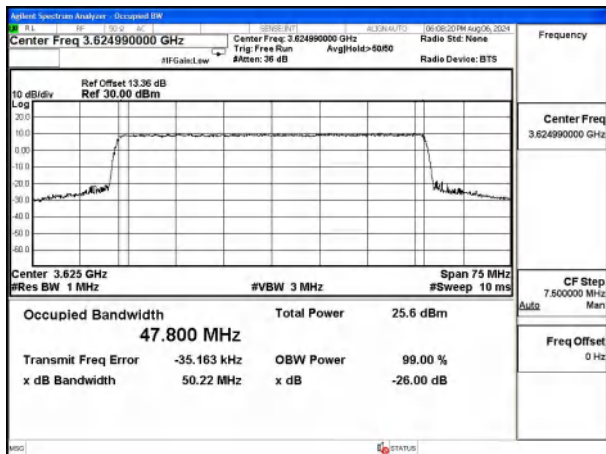


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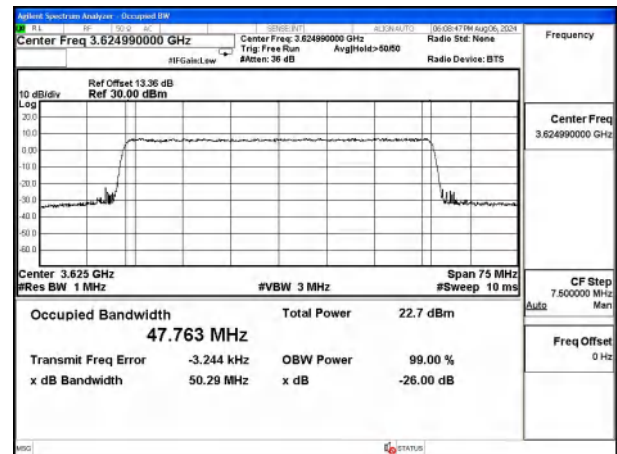


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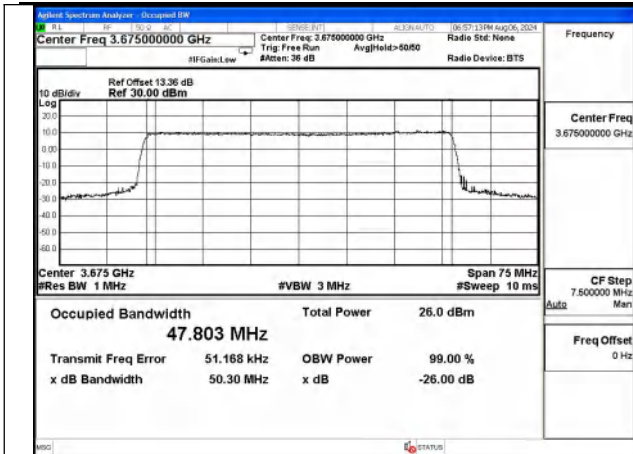


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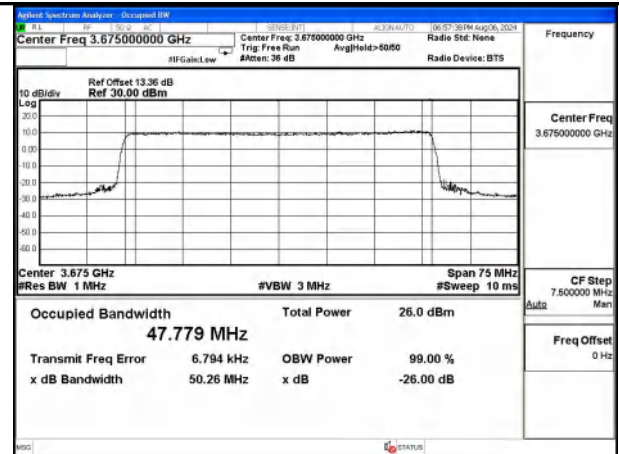


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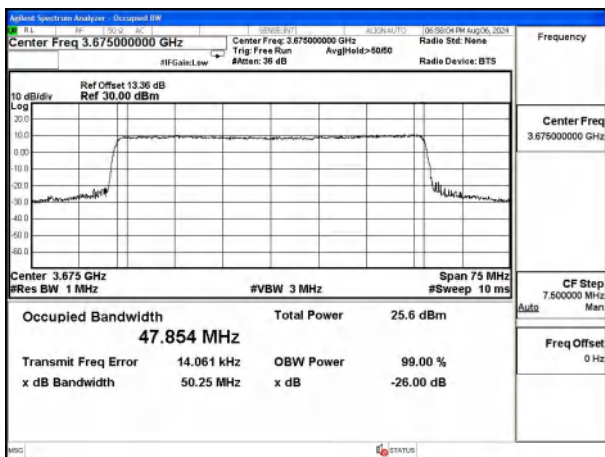


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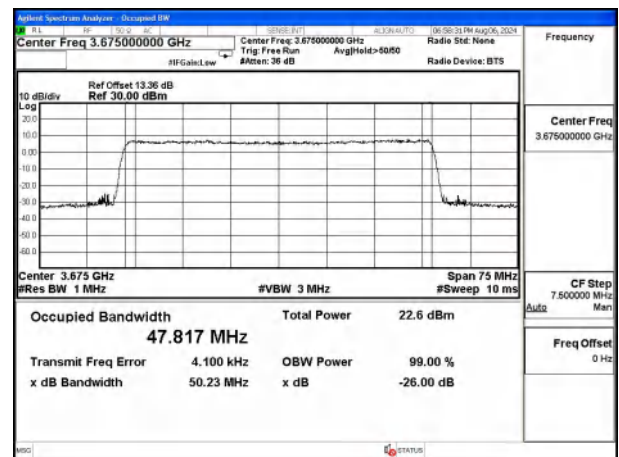


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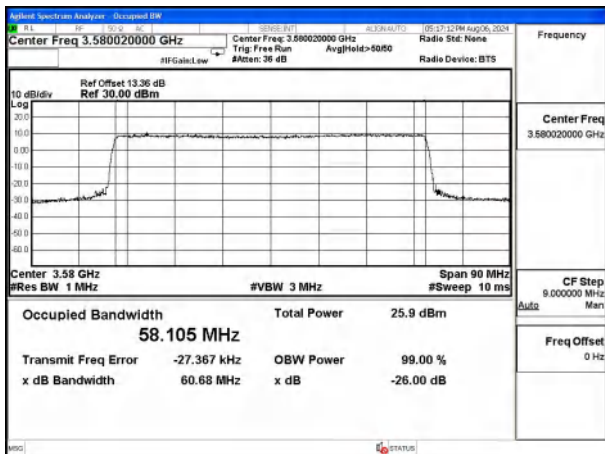


Fig.49

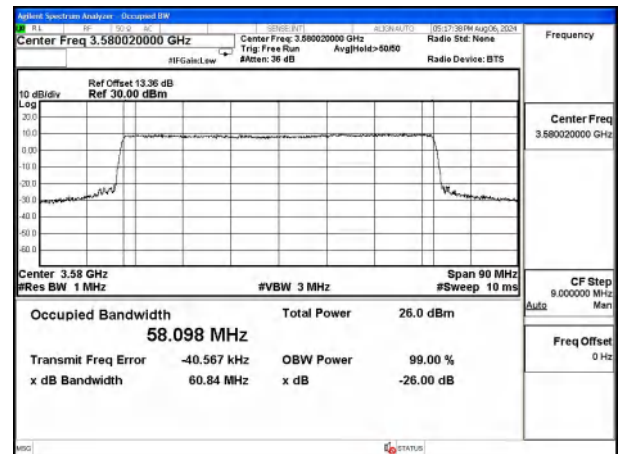


Fig.50

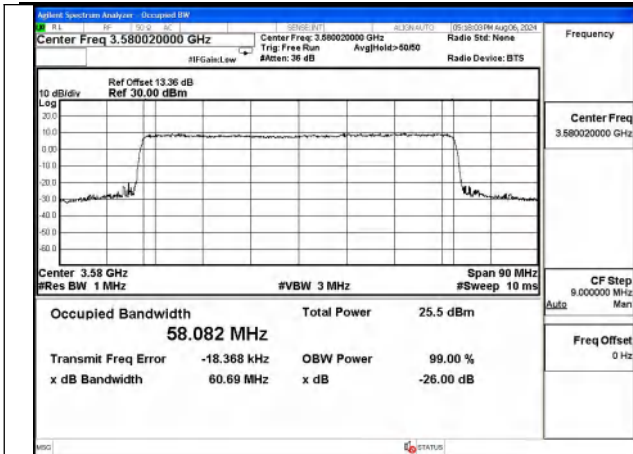


Fig.51

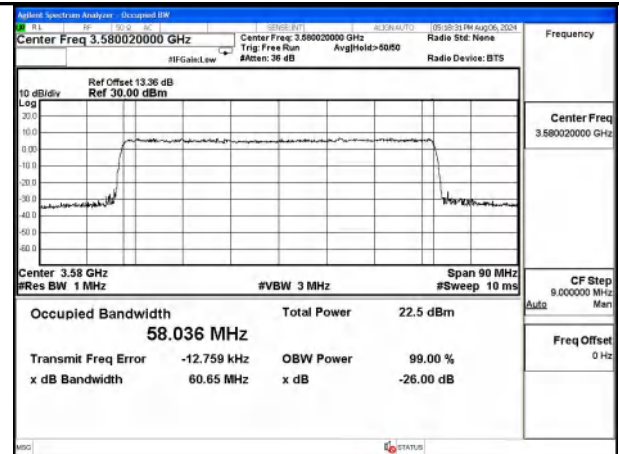


Fig.52

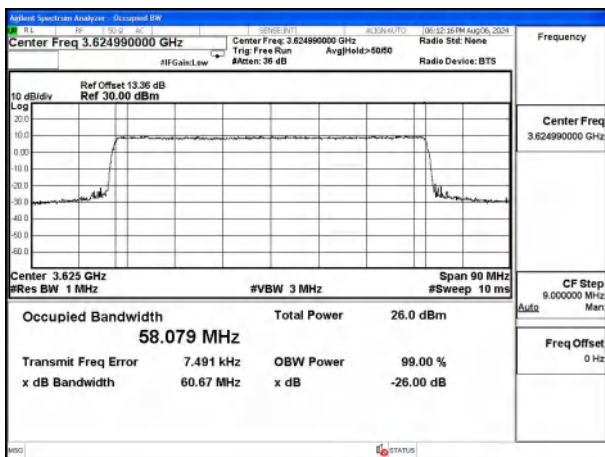


Fig.53

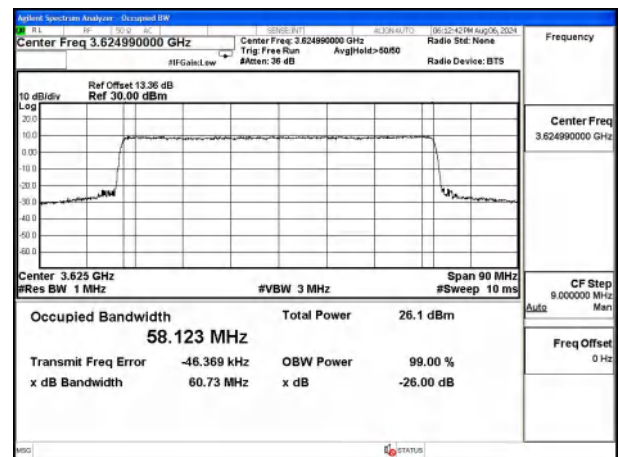


Fig.54

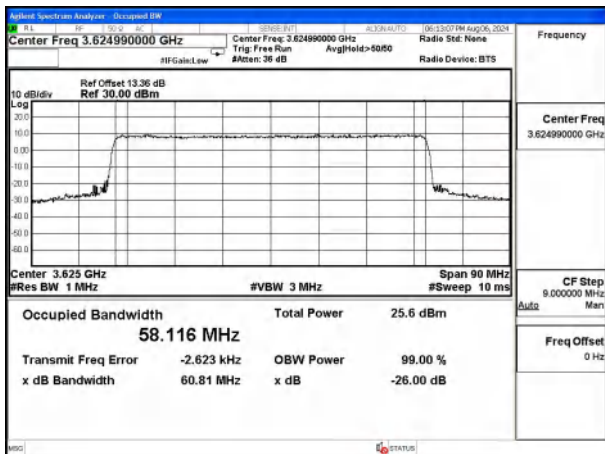


Fig.55

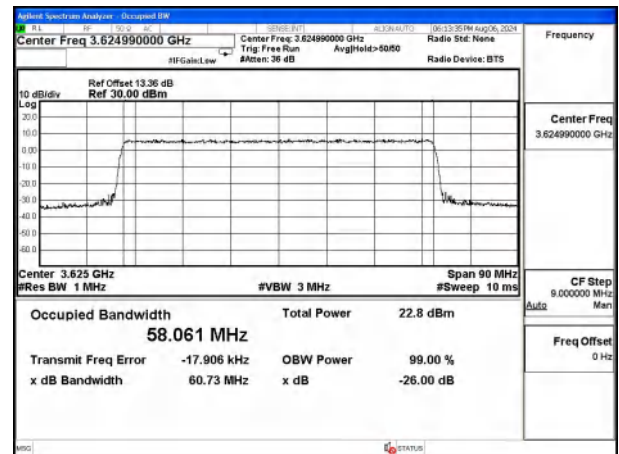


Fig.56

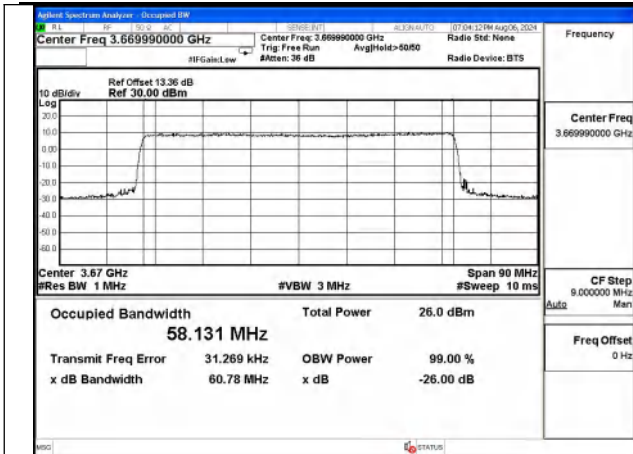


Fig.57

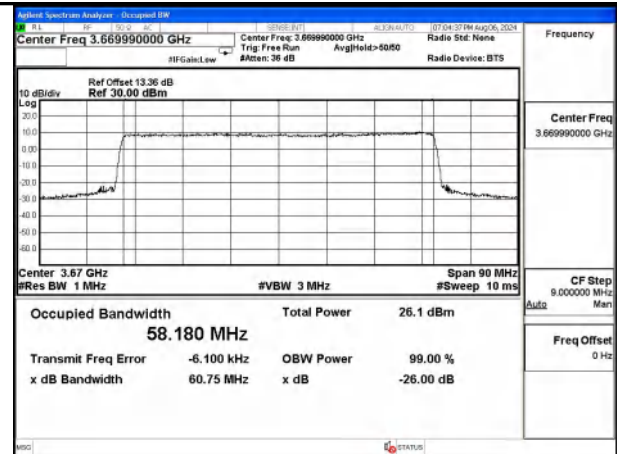


Fig.58

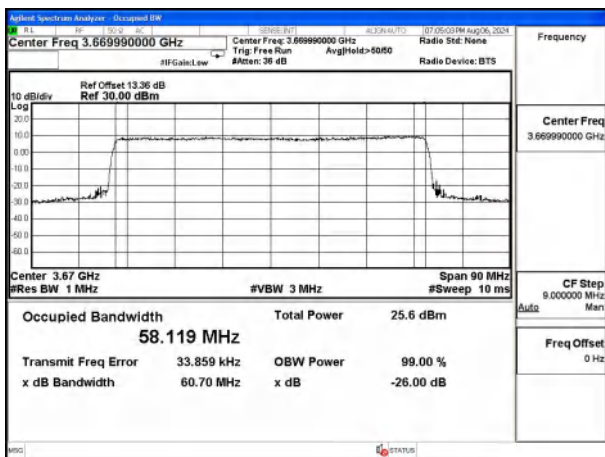


Fig.59

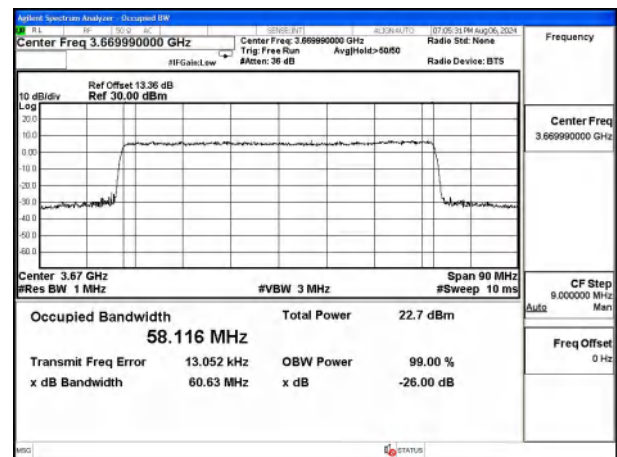


Fig.60

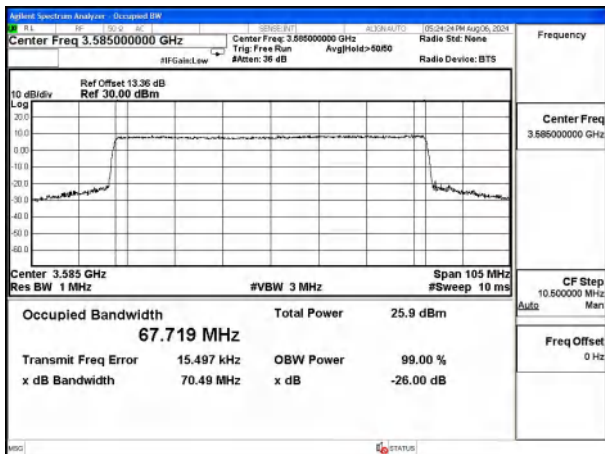


Fig.61

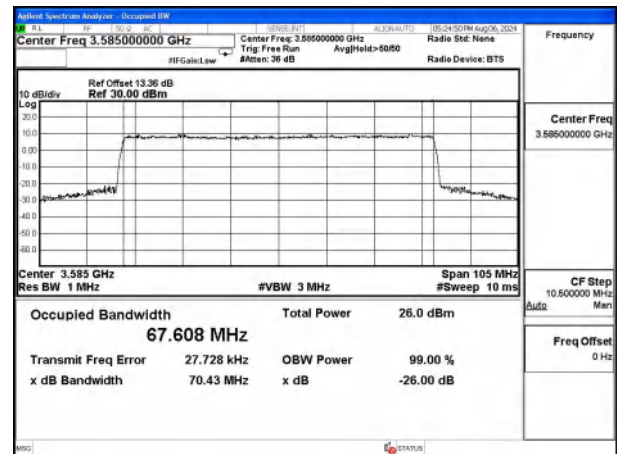


Fig.62

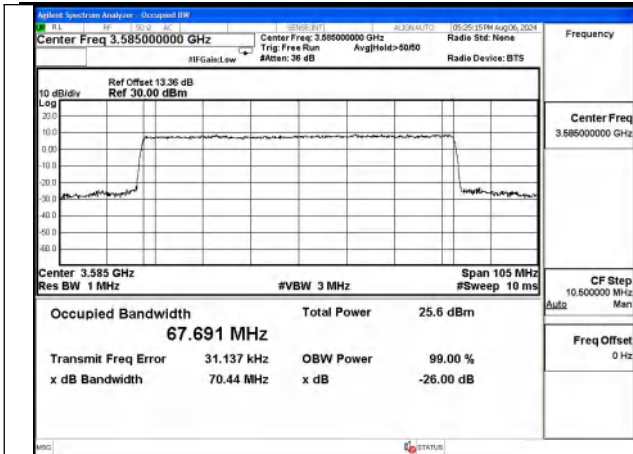


Fig.63

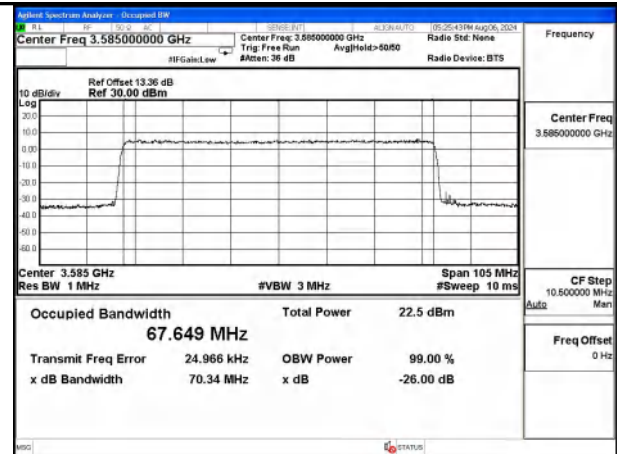


Fig.64

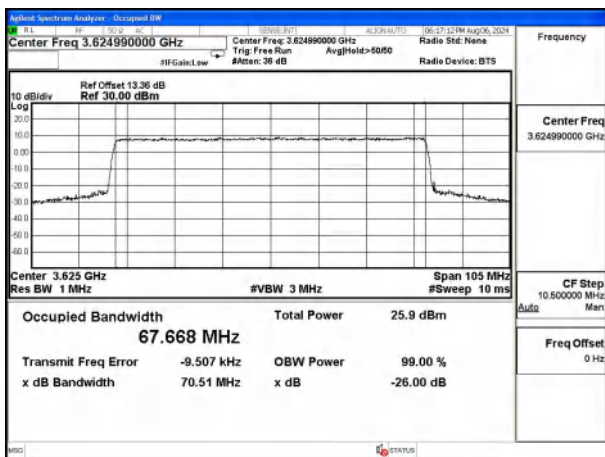


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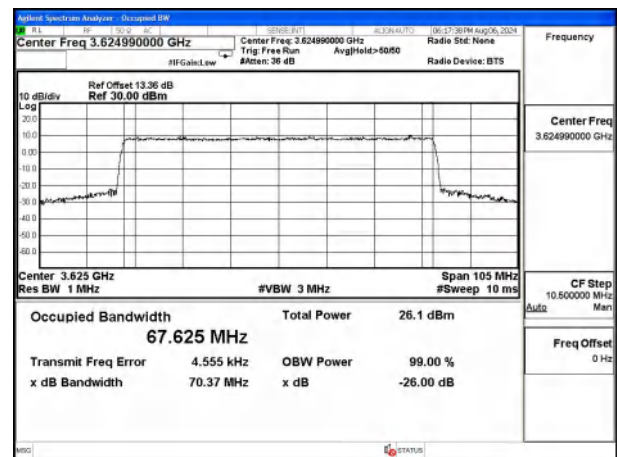


Fig.66

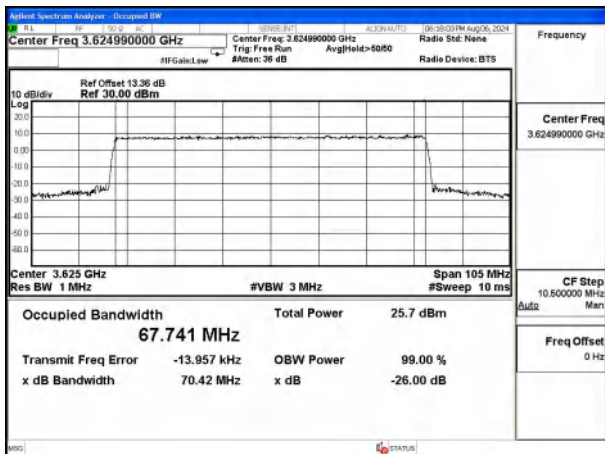


Fig.67

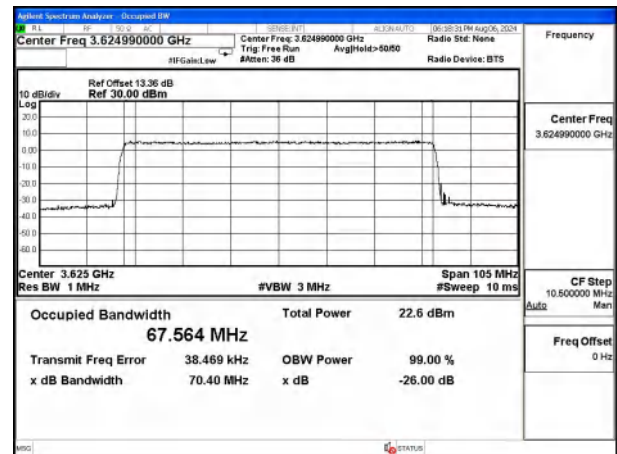


Fig.68

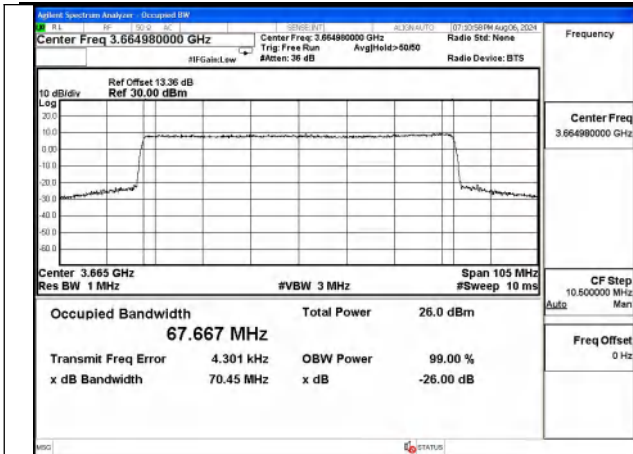


Fig.69

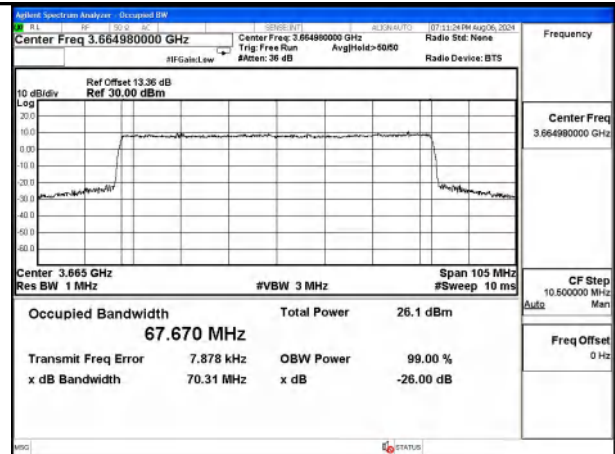


Fig.70

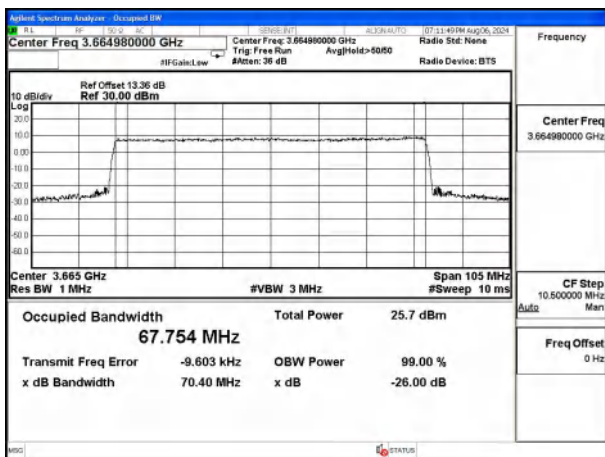


Fig.71

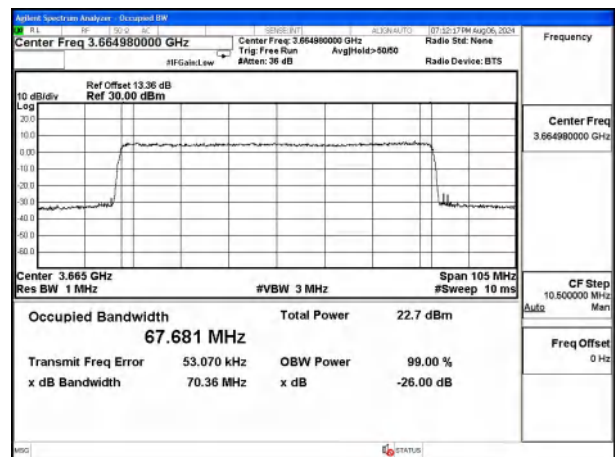


Fig.72

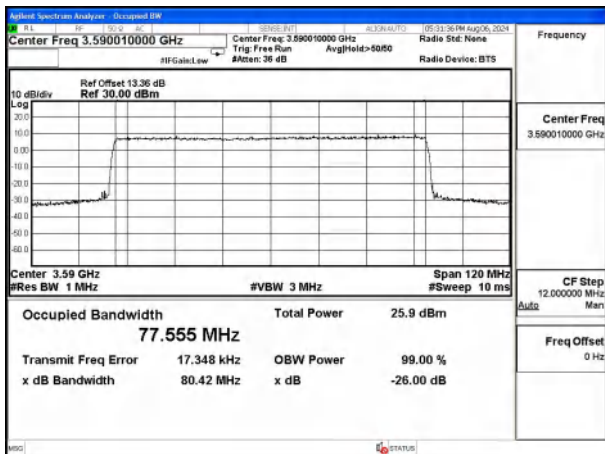


Fig.73

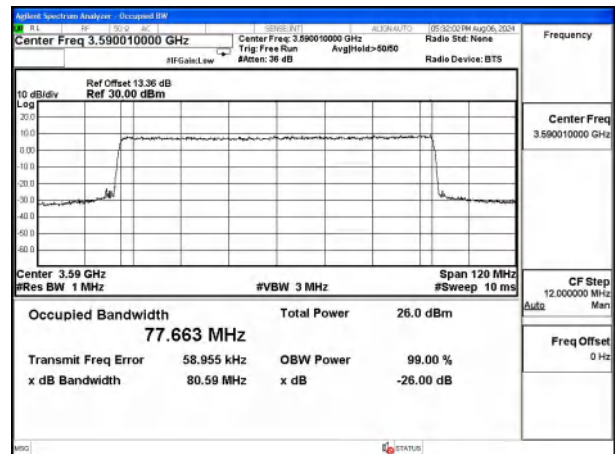


Fig.74

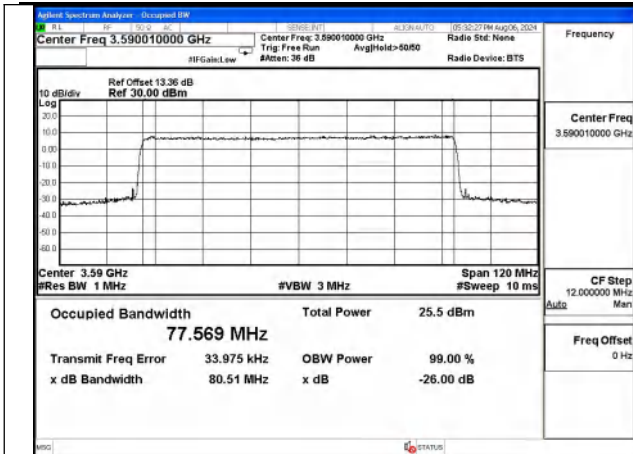


Fig.75

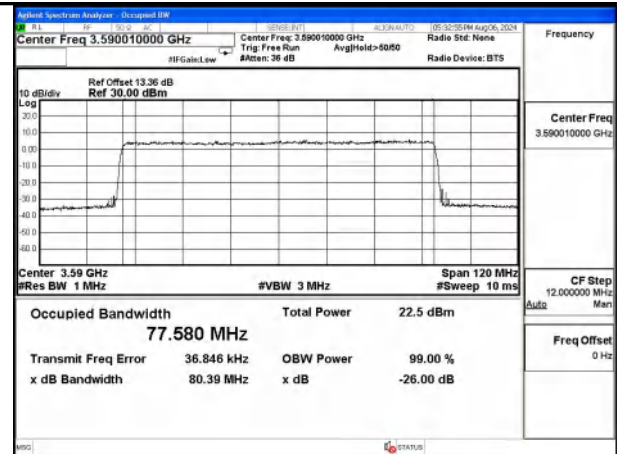


Fig.76

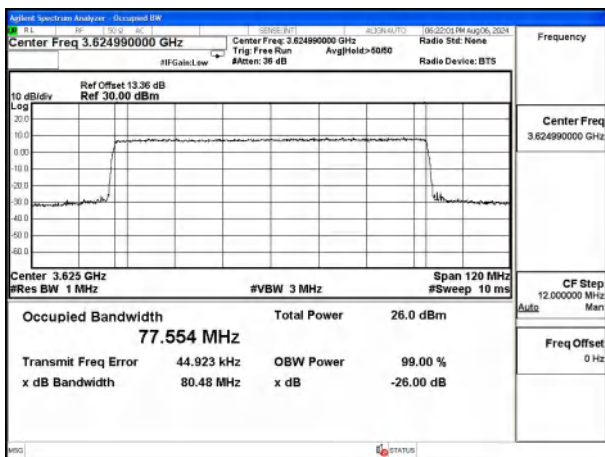


Fig.77

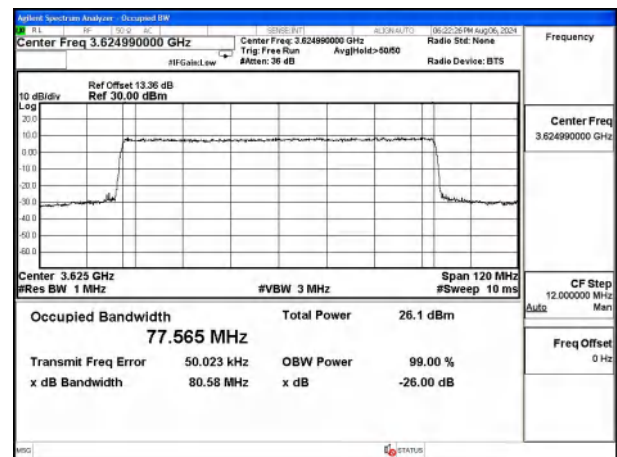


Fig.78

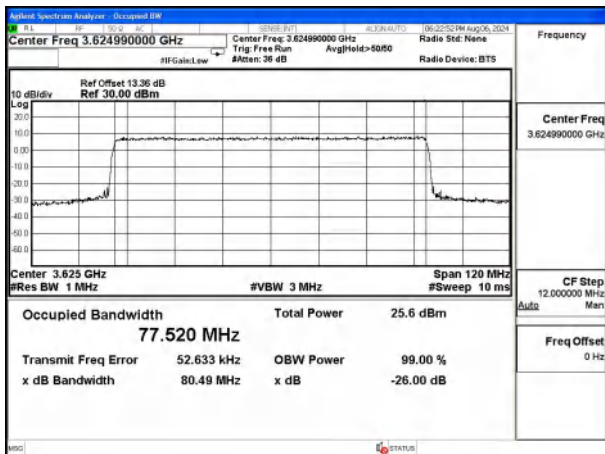


Fig.79

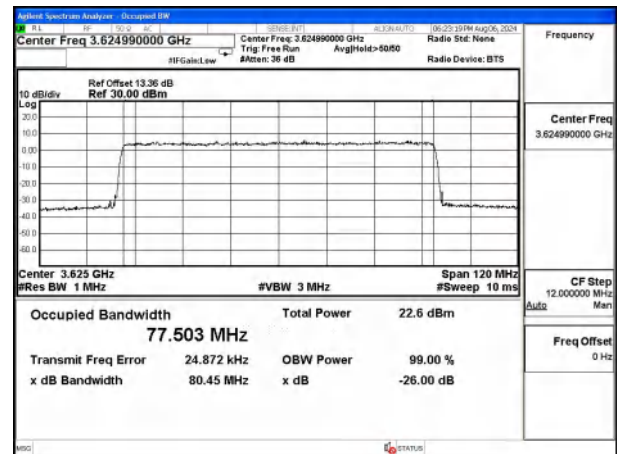


Fig.80

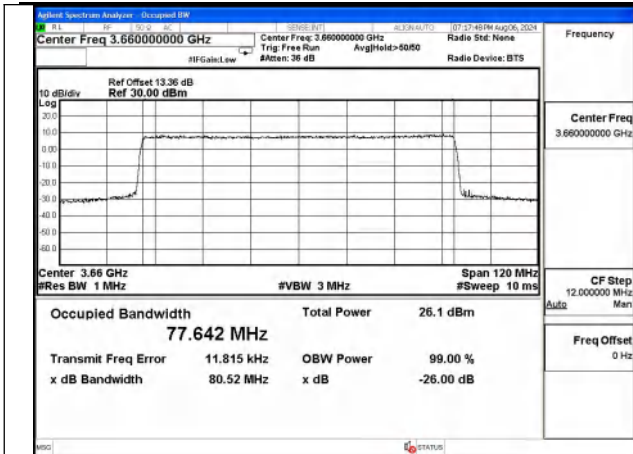


Fig.81

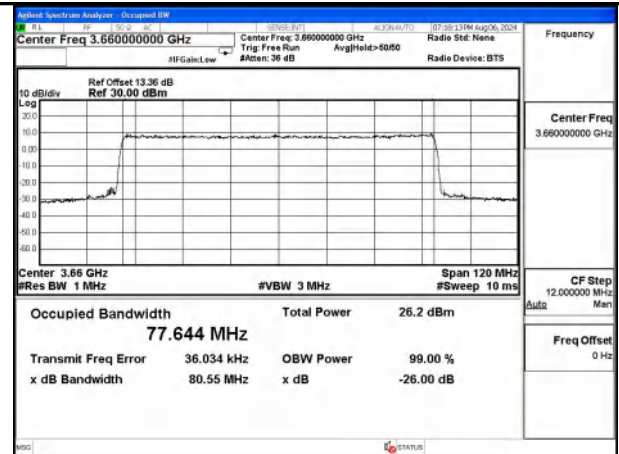


Fig.82

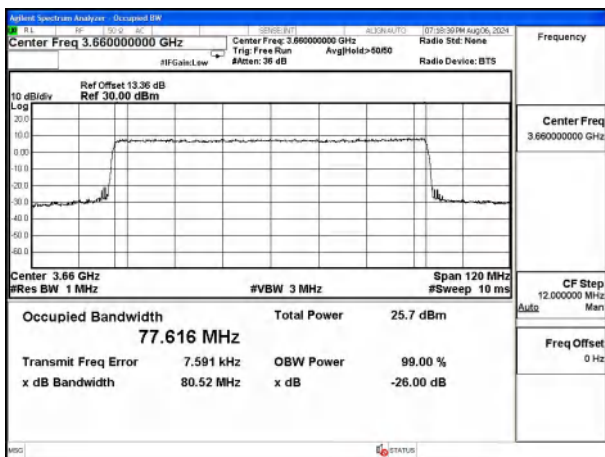


Fig.83

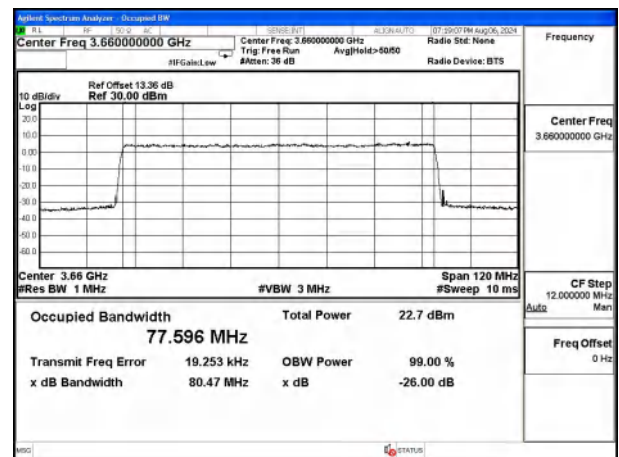


Fig.84

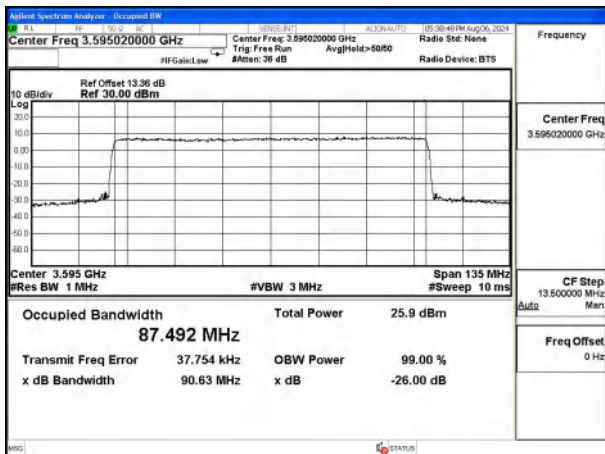


Fig.85

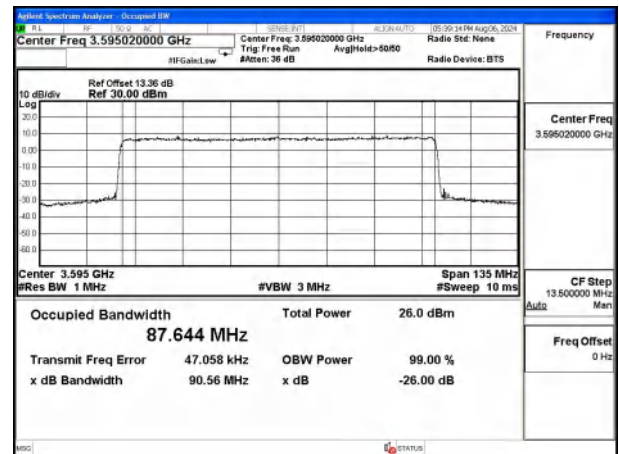


Fig.86

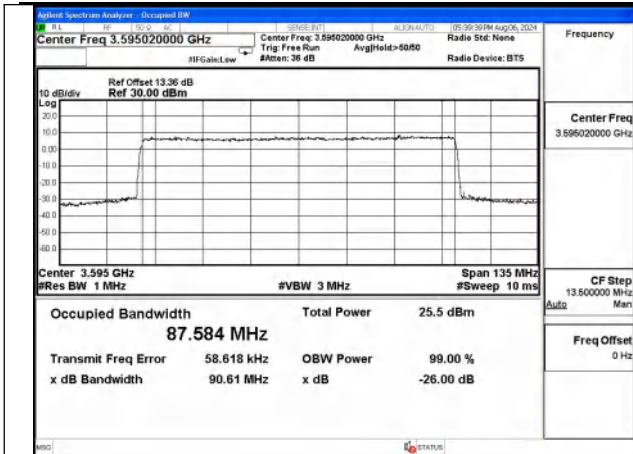


Fig.87

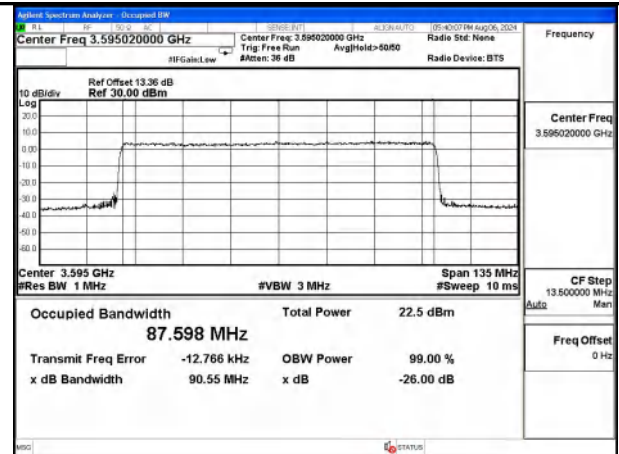


Fig.88

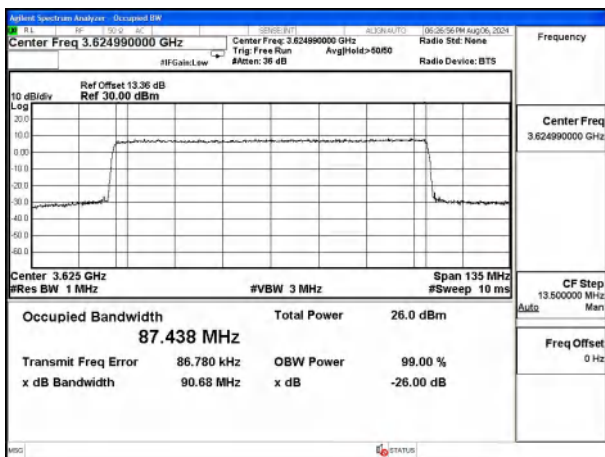


Fig.89

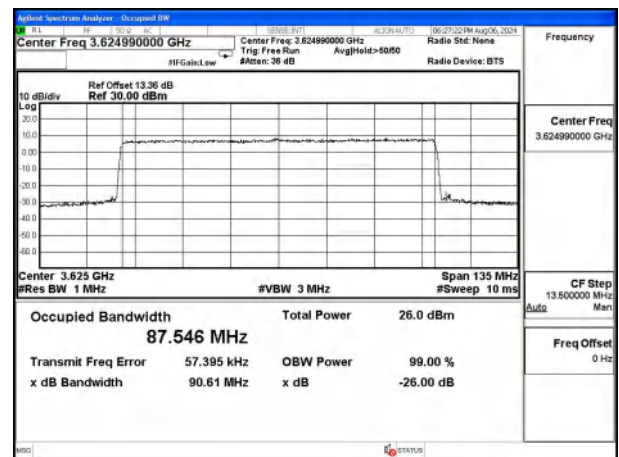


Fig.90

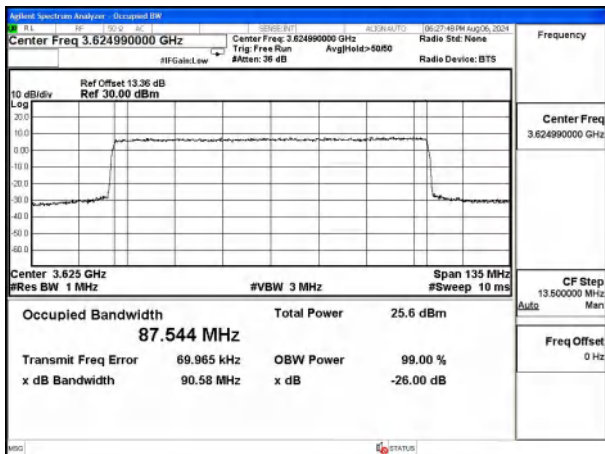


Fig.91

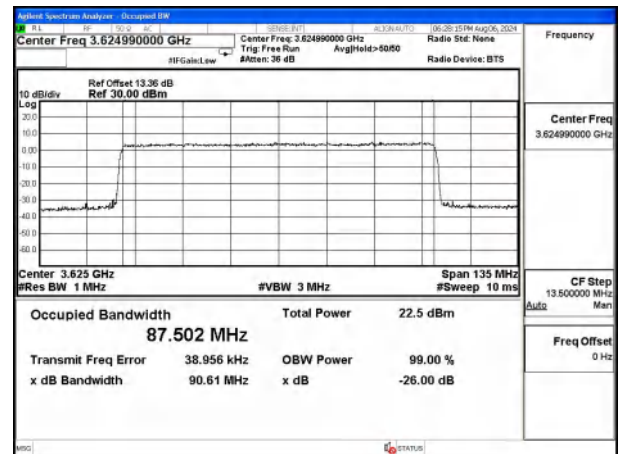


Fig.92

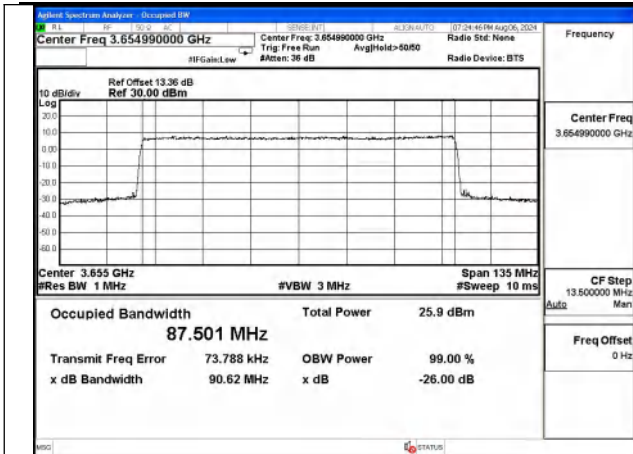


Fig.93

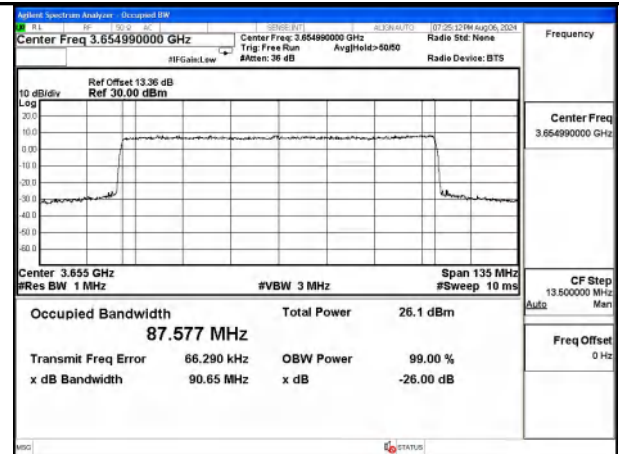


Fig.94

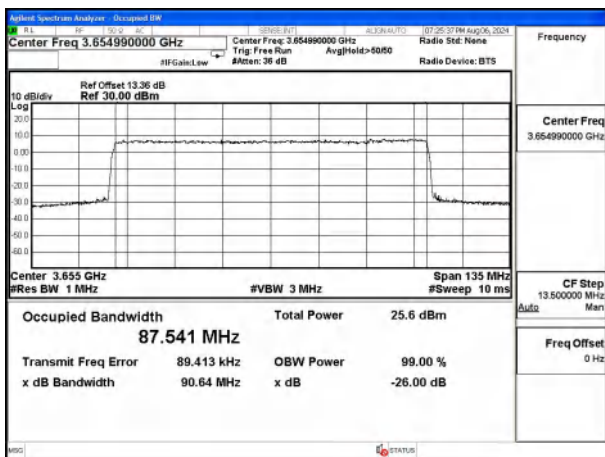


Fig.95

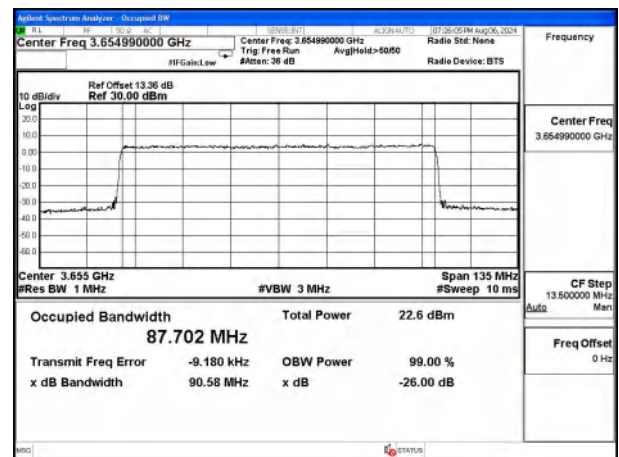


Fig.96

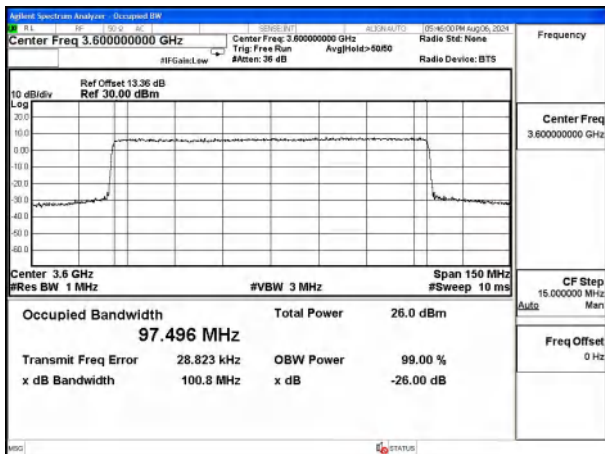


Fig.97

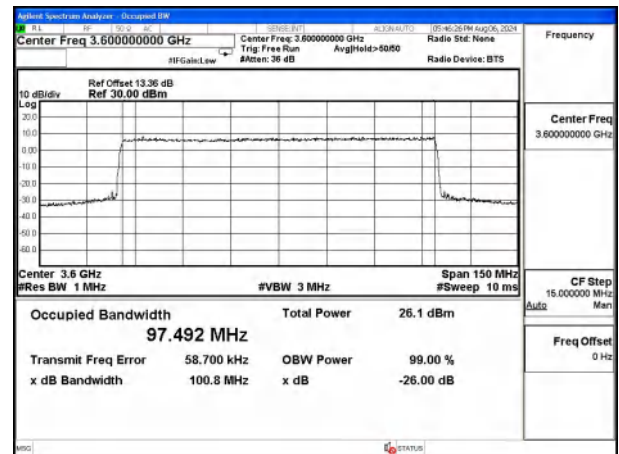


Fig.98

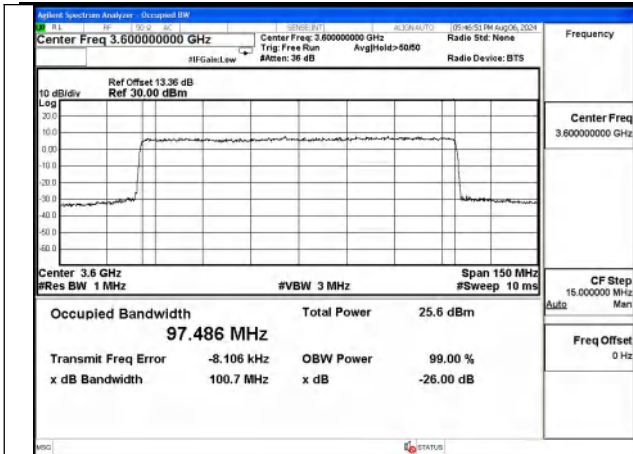


Fig.99

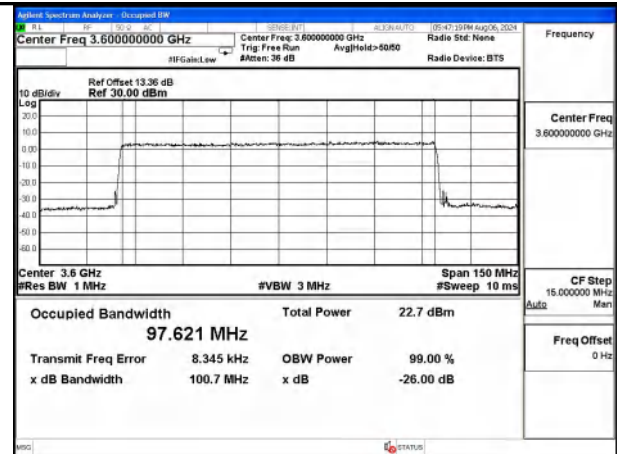


Fig.100

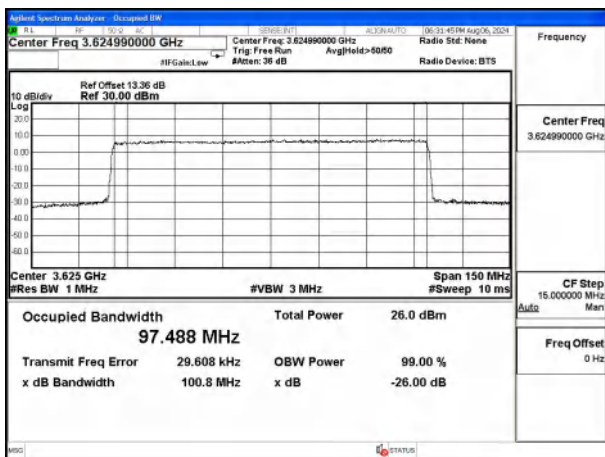


Fig.101

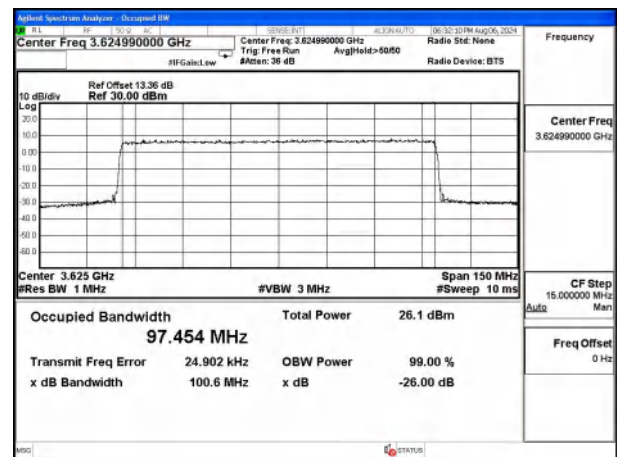


Fig.102

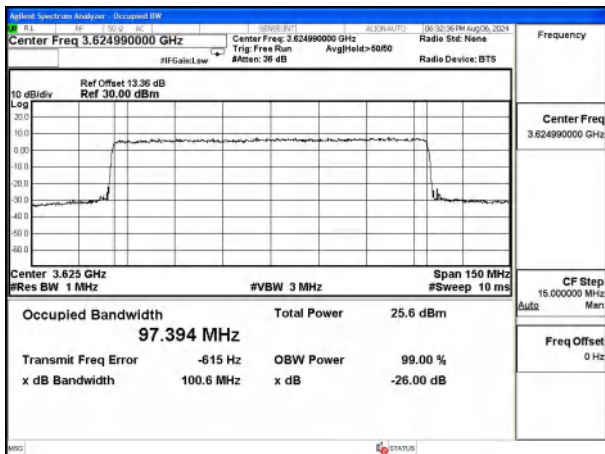


Fig.103

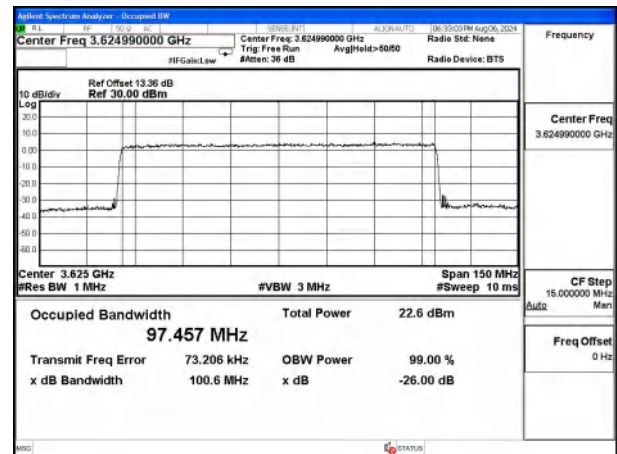


Fig.104

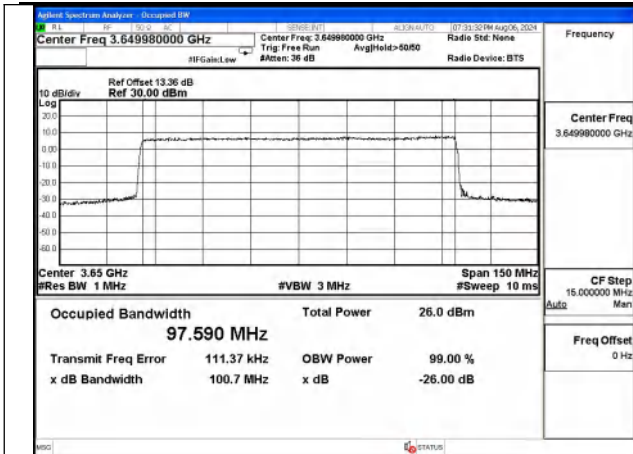


Fig.105

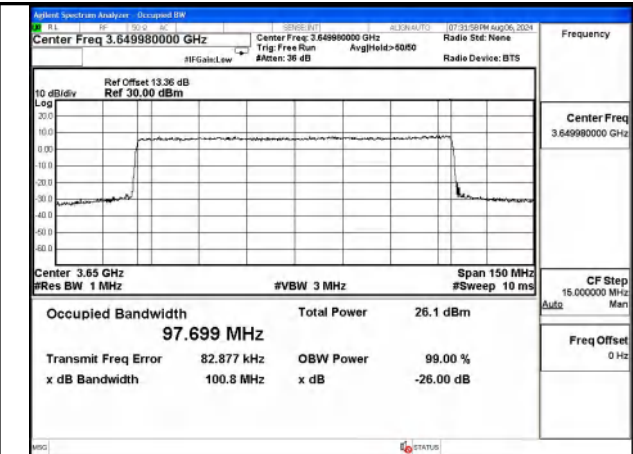


Fig.106

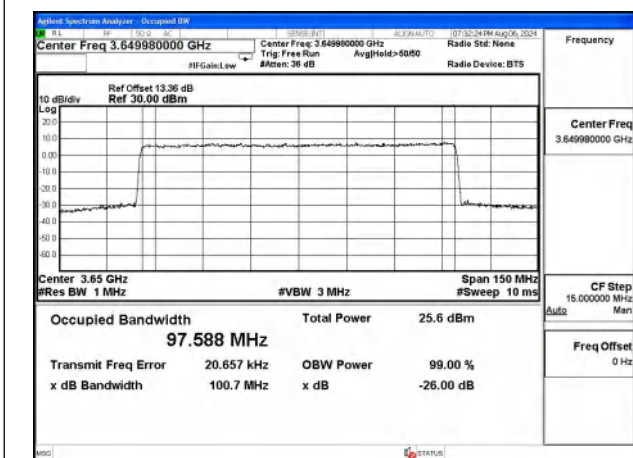


Fig.107

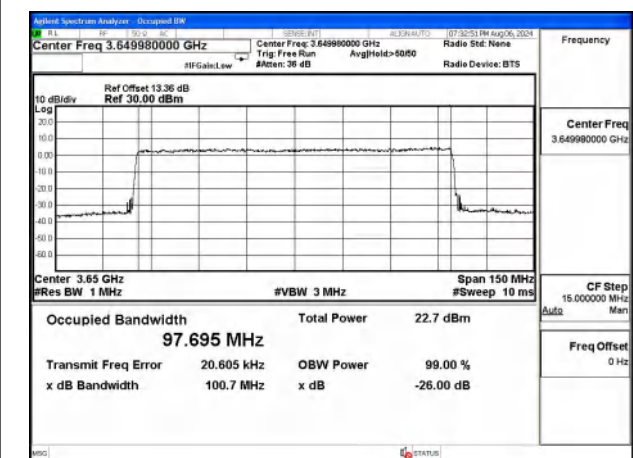


Fig.108

### 3 Emission Bandwidth

| Modulation     | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB Power (MHz) |        |
|----------------|-------------------------|------------|----------|---------|-----------|--------------------------------|--------|
| CP-OFDM QPSK   | 3560.01                 | 637334     | 20       | 51      | 0         | 19.450                         | Fig.1  |
| CP-OFDM 16QAM  | 3560.01                 | 637334     | 20       | 51      | 0         | 19.540                         | Fig.2  |
| CP-OFDM 64QAM  | 3560.01                 | 637334     | 20       | 51      | 0         | 20.440                         | Fig.3  |
| CP-OFDM 256QAM | 3560.01                 | 637334     | 20       | 51      | 0         | 19.550                         | Fig.4  |
| CP-OFDM QPSK   | 3624.99                 | 641666     | 20       | 51      | 0         | 19.870                         | Fig.5  |
| CP-OFDM 16QAM  | 3624.99                 | 641666     | 20       | 51      | 0         | 19.600                         | Fig.6  |
| CP-OFDM 64QAM  | 3624.99                 | 641666     | 20       | 51      | 0         | 20.030                         | Fig.7  |
| CP-OFDM 256QAM | 3624.99                 | 641666     | 20       | 51      | 0         | 20.180                         | Fig.8  |
| CP-OFDM QPSK   | 3690                    | 646000     | 20       | 51      | 0         | 19.720                         | Fig.9  |
| CP-OFDM 16QAM  | 3690                    | 646000     | 20       | 51      | 0         | 19.750                         | Fig.10 |
| CP-OFDM 64QAM  | 3690                    | 646000     | 20       | 51      | 0         | 19.790                         | Fig.11 |
| CP-OFDM 256QAM | 3690                    | 646000     | 20       | 51      | 0         | 20.140                         | Fig.12 |
| CP-OFDM QPSK   | 3565.02                 | 637668     | 30       | 78      | 0         | 29.750                         | Fig.13 |
| CP-OFDM 16QAM  | 3565.02                 | 637668     | 30       | 78      | 0         | 29.340                         | Fig.14 |
| CP-OFDM 64QAM  | 3565.02                 | 637668     | 30       | 78      | 0         | 29.280                         | Fig.15 |
| CP-OFDM 256QAM | 3565.02                 | 637668     | 30       | 78      | 0         | 29.650                         | Fig.16 |
| CP-OFDM QPSK   | 3624.99                 | 641666     | 30       | 78      | 0         | 29.530                         | Fig.17 |
| CP-OFDM 16QAM  | 3624.99                 | 641666     | 30       | 78      | 0         | 29.130                         | Fig.18 |
| CP-OFDM 64QAM  | 3624.99                 | 641666     | 30       | 78      | 0         | 29.370                         | Fig.19 |
| CP-OFDM 256QAM | 3624.99                 | 641666     | 30       | 78      | 0         | 29.350                         | Fig.20 |
| CP-OFDM QPSK   | 3684.99                 | 645666     | 30       | 78      | 0         | 29.550                         | Fig.21 |
| CP-OFDM 16QAM  | 3684.99                 | 645666     | 30       | 78      | 0         | 29.180                         | Fig.22 |
| CP-OFDM 64QAM  | 3684.99                 | 645666     | 30       | 78      | 0         | 29.190                         | Fig.23 |
| CP-OFDM 256QAM | 3684.99                 | 645666     | 30       | 78      | 0         | 29.230                         | Fig.24 |
| CP-OFDM QPSK   | 3570                    | 638000     | 40       | 106     | 0         | 40.570                         | Fig.25 |
| CP-OFDM 16QAM  | 3570                    | 638000     | 40       | 106     | 0         | 40.540                         | Fig.26 |
| CP-OFDM 64QAM  | 3570                    | 638000     | 40       | 106     | 0         | 40.530                         | Fig.27 |
| CP-OFDM 256QAM | 3570                    | 638000     | 40       | 106     | 0         | 40.650                         | Fig.28 |
| CP-OFDM QPSK   | 3624.99                 | 641666     | 40       | 106     | 0         | 40.630                         | Fig.29 |
| CP-OFDM 16QAM  | 3624.99                 | 641666     | 40       | 106     | 0         | 40.530                         | Fig.30 |
| CP-OFDM 64QAM  | 3624.99                 | 641666     | 40       | 106     | 0         | 40.570                         | Fig.31 |
| CP-OFDM 256QAM | 3624.99                 | 641666     | 40       | 106     | 0         | 40.570                         | Fig.32 |
| CP-OFDM QPSK   | 3679.98                 | 645332     | 40       | 106     | 0         | 40.670                         | Fig.33 |
| CP-OFDM 16QAM  | 3679.98                 | 645332     | 40       | 106     | 0         | 40.550                         | Fig.34 |
| CP-OFDM 64QAM  | 3679.98                 | 645332     | 40       | 106     | 0         | 40.570                         | Fig.35 |
| CP-OFDM 256QAM | 3679.98                 | 645332     | 40       | 106     | 0         | 40.560                         | Fig.36 |
| CP-OFDM QPSK   | 3575.01                 | 638334     | 50       | 133     | 0         | 50.290                         | Fig.37 |
| CP-OFDM 16QAM  | 3575.01                 | 638334     | 50       | 133     | 0         | 50.240                         | Fig.38 |
| CP-OFDM 64QAM  | 3575.01                 | 638334     | 50       | 133     | 0         | 50.310                         | Fig.39 |
| CP-OFDM 256QAM | 3575.01                 | 638334     | 50       | 133     | 0         | 50.310                         | Fig.40 |
| CP-OFDM QPSK   | 3624.99                 | 641666     | 50       | 133     | 0         | 50.520                         | Fig.41 |
| CP-OFDM 16QAM  | 3624.99                 | 641666     | 50       | 133     | 0         | 50.380                         | Fig.42 |

|                |         |        |    |     |   |        |        |
|----------------|---------|--------|----|-----|---|--------|--------|
| CP-OFDM 64QAM  | 3624.99 | 641666 | 50 | 133 | 0 | 50.220 | Fig.43 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 50 | 133 | 0 | 50.290 | Fig.44 |
| CP-OFDM QPSK   | 3675    | 645000 | 50 | 133 | 0 | 50.300 | Fig.45 |
| CP-OFDM 16QAM  | 3675    | 645000 | 50 | 133 | 0 | 50.260 | Fig.46 |
| CP-OFDM 64QAM  | 3675    | 645000 | 50 | 133 | 0 | 50.250 | Fig.47 |
| CP-OFDM 256QAM | 3675    | 645000 | 50 | 133 | 0 | 50.230 | Fig.48 |
| CP-OFDM QPSK   | 3580.02 | 638668 | 60 | 162 | 0 | 60.680 | Fig.49 |
| CP-OFDM 16QAM  | 3580.02 | 638668 | 60 | 162 | 0 | 60.840 | Fig.50 |
| CP-OFDM 64QAM  | 3580.02 | 638668 | 60 | 162 | 0 | 60.700 | Fig.51 |
| CP-OFDM 256QAM | 3580.02 | 638668 | 60 | 162 | 0 | 60.650 | Fig.52 |
| CP-OFDM QPSK   | 3624.99 | 641666 | 60 | 162 | 0 | 60.640 | Fig.53 |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 60 | 162 | 0 | 60.730 | Fig.54 |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 60 | 162 | 0 | 60.810 | Fig.55 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 60 | 162 | 0 | 60.730 | Fig.56 |
| CP-OFDM QPSK   | 3669.99 | 644666 | 60 | 162 | 0 | 60.770 | Fig.57 |
| CP-OFDM 16QAM  | 3669.99 | 644666 | 60 | 162 | 0 | 60.760 | Fig.58 |
| CP-OFDM 64QAM  | 3669.99 | 644666 | 60 | 162 | 0 | 60.700 | Fig.59 |
| CP-OFDM 256QAM | 3669.99 | 644666 | 60 | 162 | 0 | 60.630 | Fig.60 |
| CP-OFDM QPSK   | 3585    | 639000 | 70 | 189 | 0 | 70.500 | Fig.61 |
| CP-OFDM 16QAM  | 3585    | 639000 | 70 | 189 | 0 | 70.430 | Fig.62 |
| CP-OFDM 64QAM  | 3585    | 639000 | 70 | 189 | 0 | 70.440 | Fig.63 |
| CP-OFDM 256QAM | 3585    | 639000 | 70 | 189 | 0 | 70.340 | Fig.64 |
| CP-OFDM QPSK   | 3624.99 | 641666 | 70 | 189 | 0 | 70.510 | Fig.65 |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 70 | 189 | 0 | 70.370 | Fig.66 |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 70 | 189 | 0 | 70.410 | Fig.67 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 70 | 189 | 0 | 70.400 | Fig.68 |
| CP-OFDM QPSK   | 3664.98 | 644332 | 70 | 189 | 0 | 70.450 | Fig.69 |
| CP-OFDM 16QAM  | 3664.98 | 644332 | 70 | 189 | 0 | 70.310 | Fig.70 |
| CP-OFDM 64QAM  | 3664.98 | 644332 | 70 | 189 | 0 | 70.400 | Fig.71 |
| CP-OFDM 256QAM | 3664.98 | 644332 | 70 | 189 | 0 | 70.360 | Fig.72 |
| CP-OFDM QPSK   | 3590.01 | 639334 | 80 | 217 | 0 | 80.420 | Fig.73 |
| CP-OFDM 16QAM  | 3590.01 | 639334 | 80 | 217 | 0 | 80.590 | Fig.74 |
| CP-OFDM 64QAM  | 3590.01 | 639334 | 80 | 217 | 0 | 80.510 | Fig.75 |
| CP-OFDM 256QAM | 3590.01 | 639334 | 80 | 217 | 0 | 80.390 | Fig.76 |
| CP-OFDM QPSK   | 3624.99 | 641666 | 80 | 217 | 0 | 80.480 | Fig.77 |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 80 | 217 | 0 | 80.590 | Fig.78 |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 80 | 217 | 0 | 80.490 | Fig.79 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 80 | 217 | 0 | 80.450 | Fig.80 |
| CP-OFDM QPSK   | 3660    | 644000 | 80 | 217 | 0 | 80.520 | Fig.81 |
| CP-OFDM 16QAM  | 3660    | 644000 | 80 | 217 | 0 | 80.550 | Fig.82 |
| CP-OFDM 64QAM  | 3660    | 644000 | 80 | 217 | 0 | 80.520 | Fig.83 |
| CP-OFDM 256QAM | 3660    | 644000 | 80 | 217 | 0 | 80.490 | Fig.84 |
| CP-OFDM QPSK   | 3595.02 | 639668 | 90 | 245 | 0 | 90.630 | Fig.85 |
| CP-OFDM 16QAM  | 3595.02 | 639668 | 90 | 245 | 0 | 90.520 | Fig.86 |
| CP-OFDM 64QAM  | 3595.02 | 639668 | 90 | 245 | 0 | 90.610 | Fig.87 |

|                |         |        |     |     |   |         |         |
|----------------|---------|--------|-----|-----|---|---------|---------|
| CP-OFDM 256QAM | 3595.02 | 639668 | 90  | 245 | 0 | 90.550  | Fig.88  |
| CP-OFDM QPSK   | 3624.99 | 641666 | 90  | 245 | 0 | 90.680  | Fig.89  |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 90  | 245 | 0 | 90.610  | Fig.90  |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 90  | 245 | 0 | 90.580  | Fig.91  |
| CP-OFDM 256QAM | 3624.99 | 641666 | 90  | 245 | 0 | 90.610  | Fig.92  |
| CP-OFDM QPSK   | 3654.99 | 643666 | 90  | 245 | 0 | 90.620  | Fig.93  |
| CP-OFDM 16QAM  | 3654.99 | 643666 | 90  | 245 | 0 | 90.640  | Fig.94  |
| CP-OFDM 64QAM  | 3654.99 | 643666 | 90  | 245 | 0 | 90.640  | Fig.95  |
| CP-OFDM 256QAM | 3654.99 | 643666 | 90  | 245 | 0 | 90.580  | Fig.96  |
| CP-OFDM QPSK   | 3600    | 640000 | 100 | 273 | 0 | 100.750 | Fig.97  |
| CP-OFDM 16QAM  | 3600    | 640000 | 100 | 273 | 0 | 100.730 | Fig.98  |
| CP-OFDM 64QAM  | 3600    | 640000 | 100 | 273 | 0 | 100.680 | Fig.99  |
| CP-OFDM 256QAM | 3600    | 640000 | 100 | 273 | 0 | 100.660 | Fig.100 |
| CP-OFDM QPSK   | 3624.99 | 641666 | 100 | 273 | 0 | 100.760 | Fig.101 |
| CP-OFDM 16QAM  | 3624.99 | 641666 | 100 | 273 | 0 | 100.620 | Fig.102 |
| CP-OFDM 64QAM  | 3624.99 | 641666 | 100 | 273 | 0 | 100.620 | Fig.103 |
| CP-OFDM 256QAM | 3624.99 | 641666 | 100 | 273 | 0 | 100.620 | Fig.104 |
| CP-OFDM QPSK   | 3649.98 | 643332 | 100 | 273 | 0 | 100.690 | Fig.105 |
| CP-OFDM 16QAM  | 3649.98 | 643332 | 100 | 273 | 0 | 100.790 | Fig.106 |
| CP-OFDM 64QAM  | 3649.98 | 643332 | 100 | 273 | 0 | 100.700 | Fig.107 |
| CP-OFDM 256QAM | 3649.98 | 643332 | 100 | 273 | 0 | 100.690 | Fig.108 |

#### Test Plot:



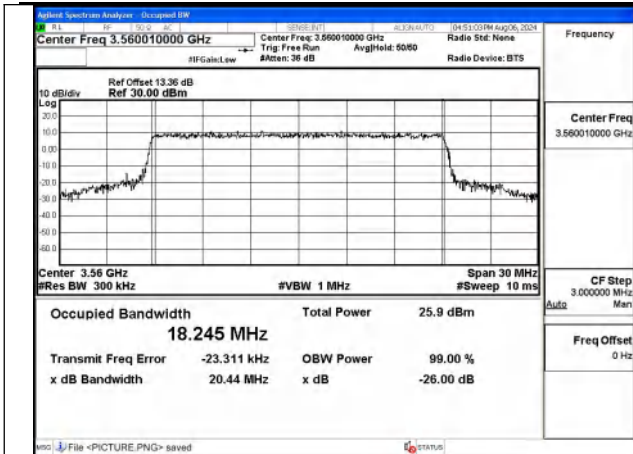


Fig.3

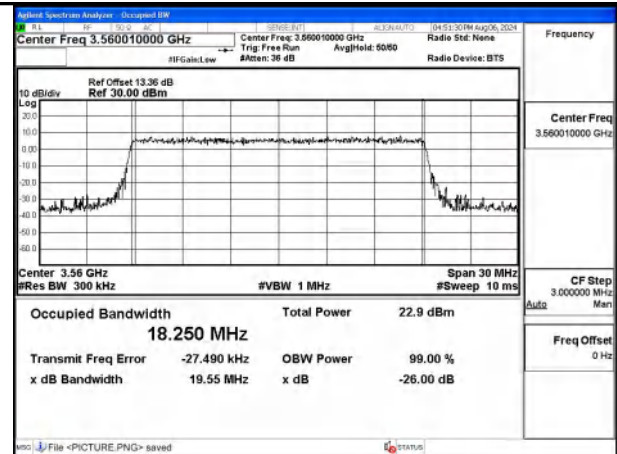


Fig.4

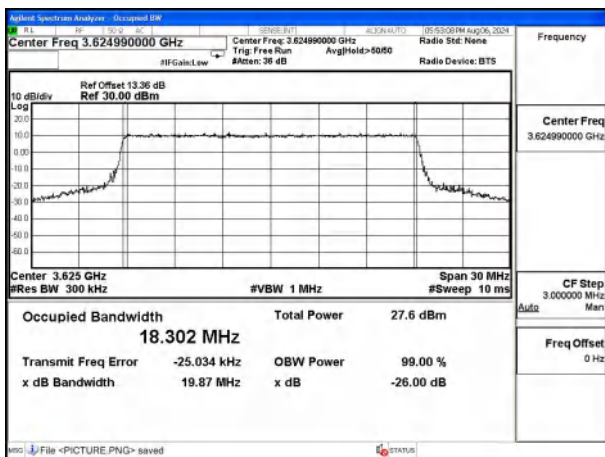


Fig.5

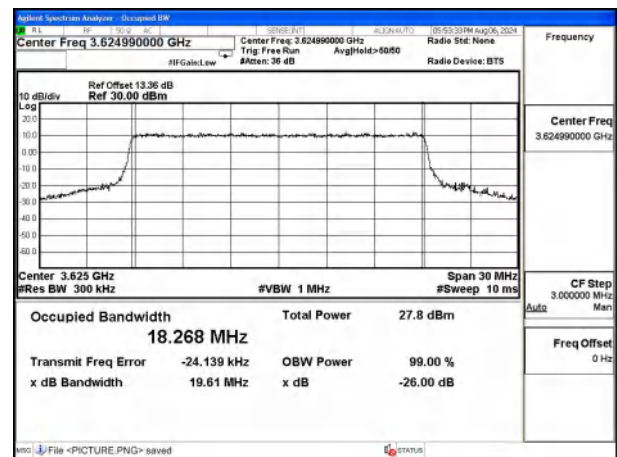


Fig.6

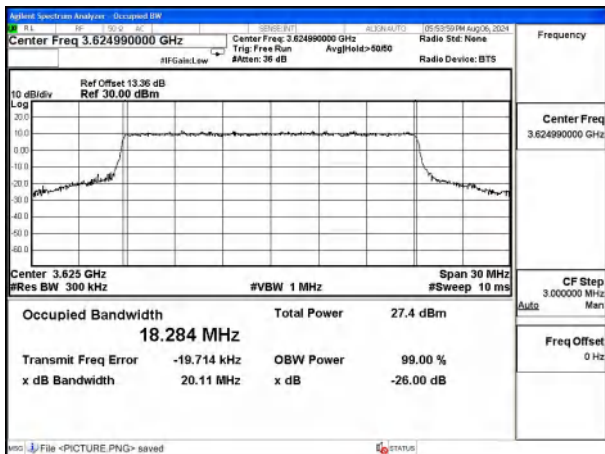


Fig.7

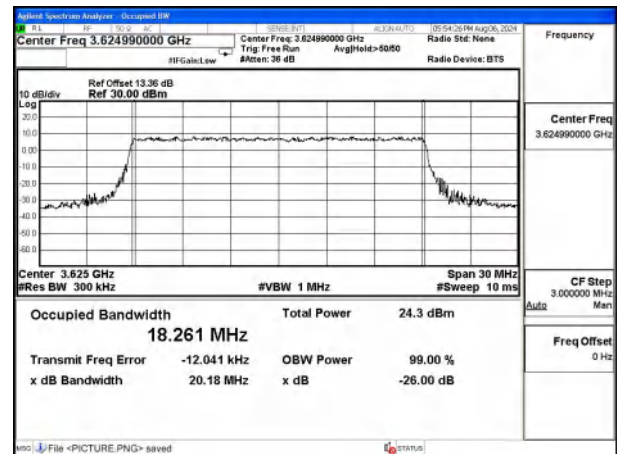


Fig.8

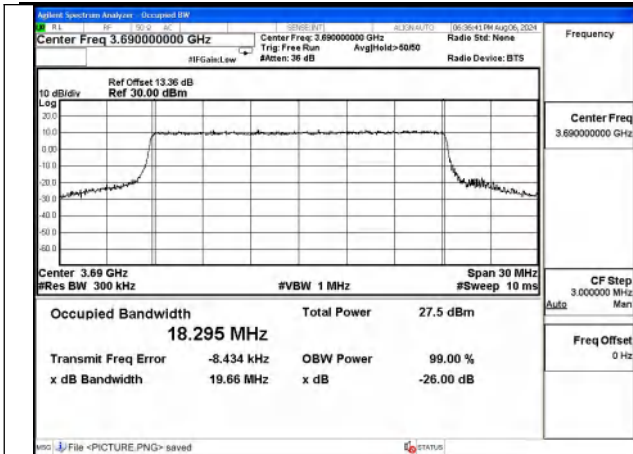


Fig.9

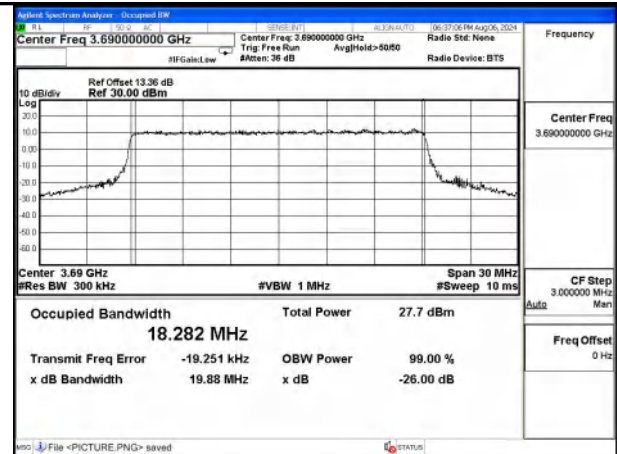


Fig.10

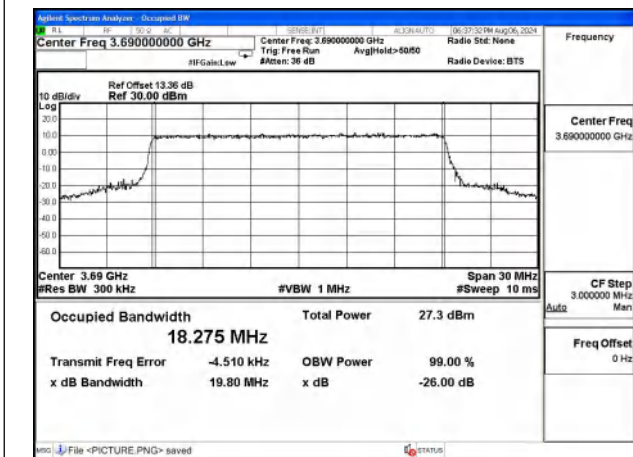


Fig.11

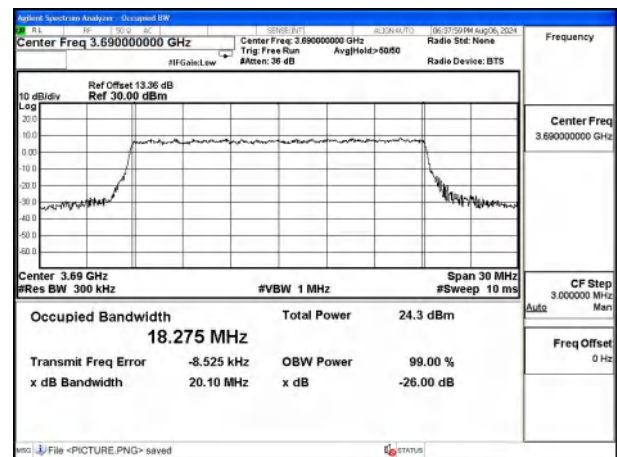


Fig.12

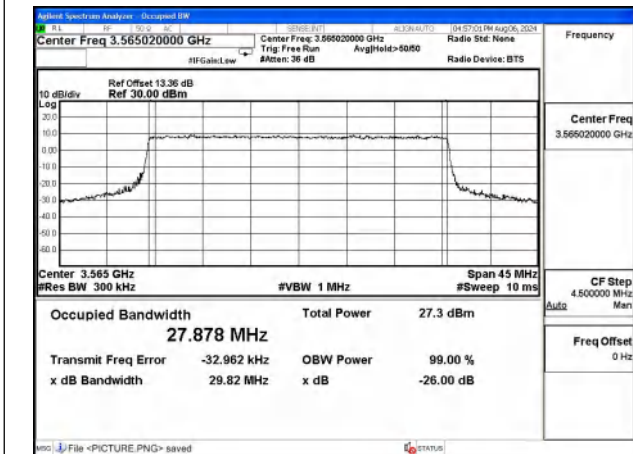


Fig.13

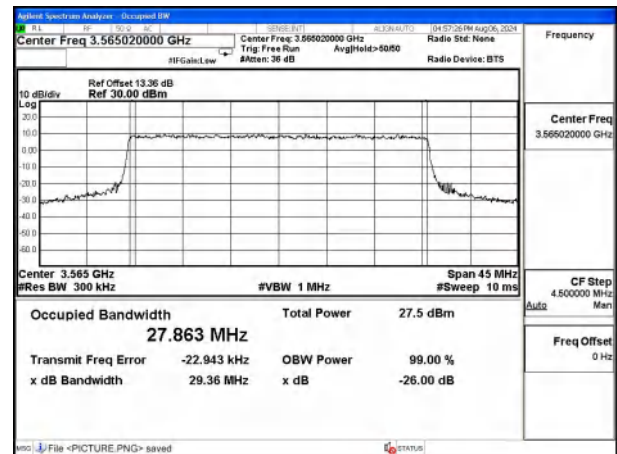


Fig.14

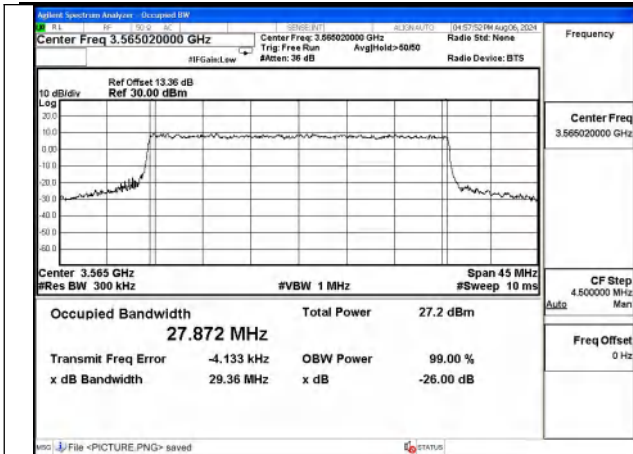


Fig.15

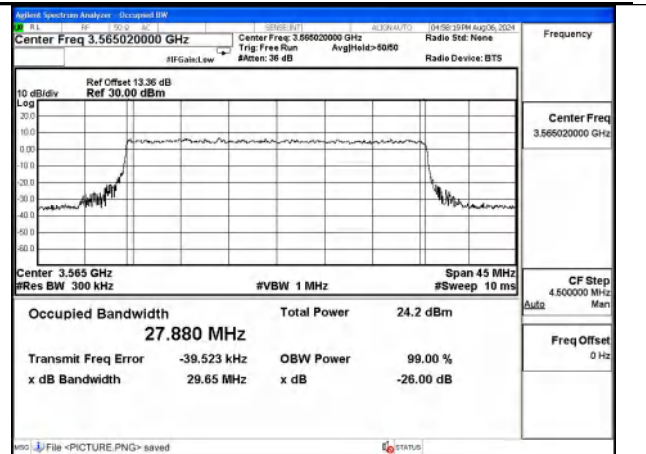


Fig.16

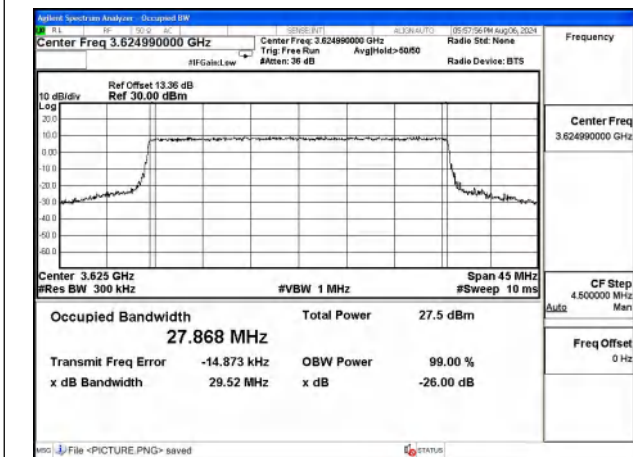


Fig.17

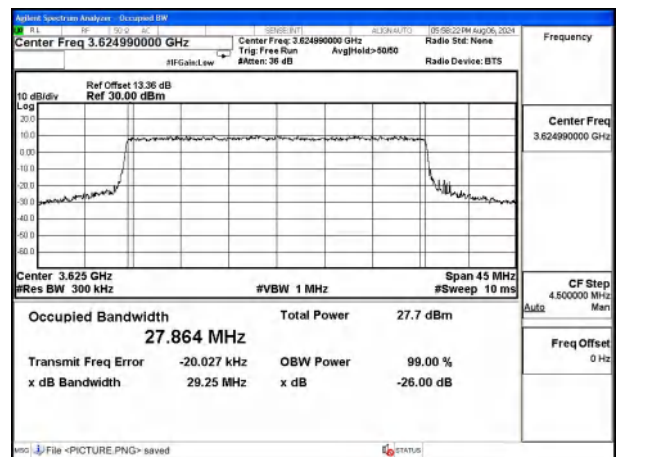


Fig.18

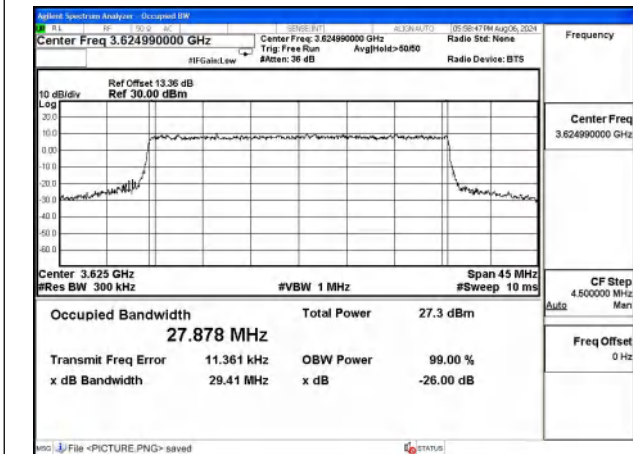


Fig.19

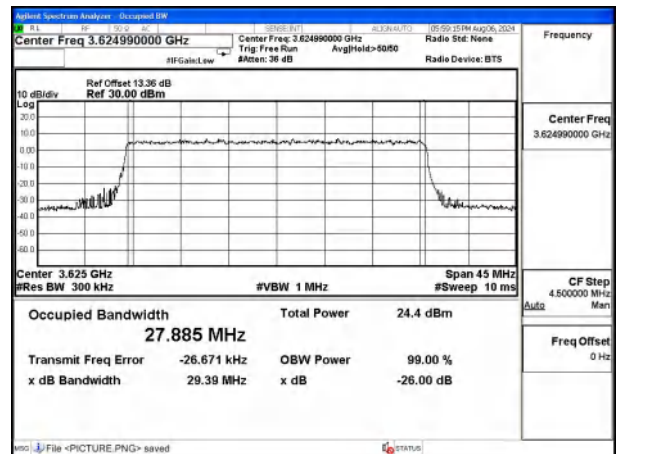


Fig.20

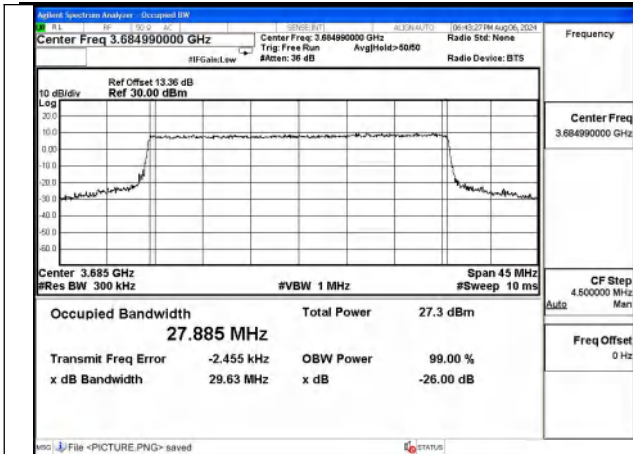


Fig.21

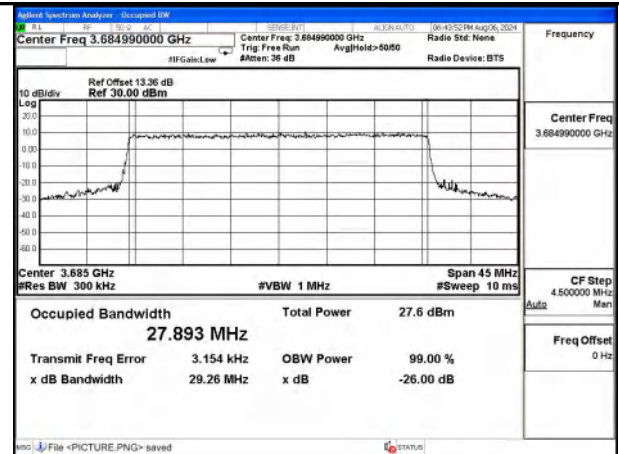


Fig.22

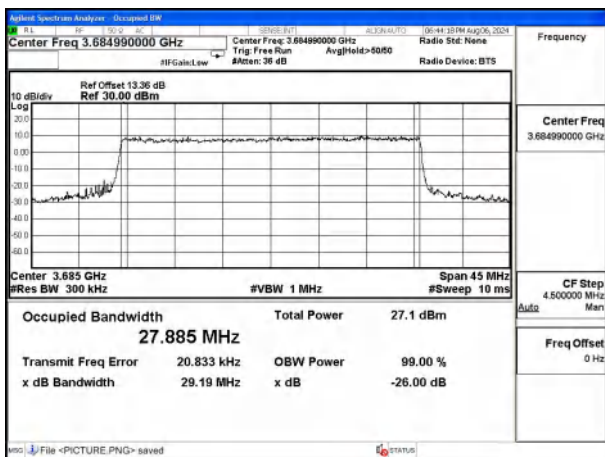


Fig.23

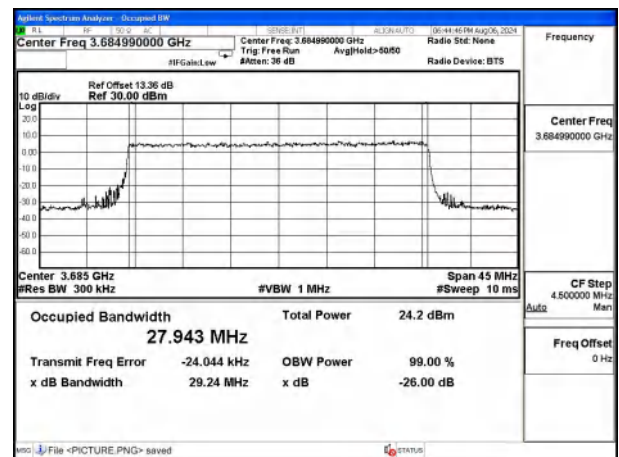


Fig.24

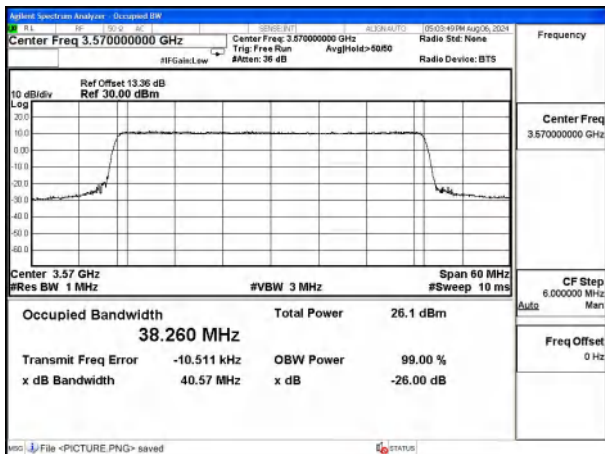


Fig.25

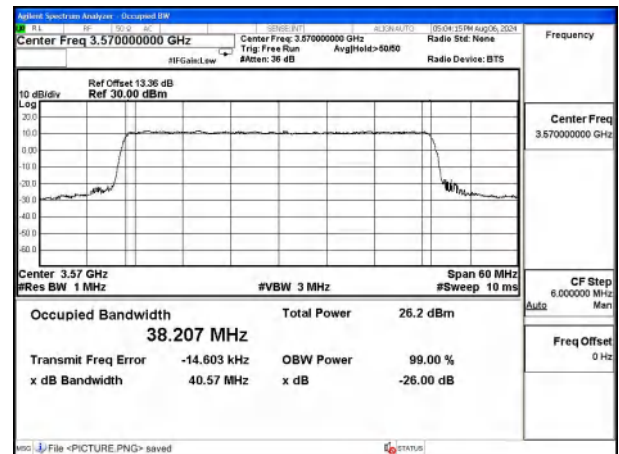


Fig.26

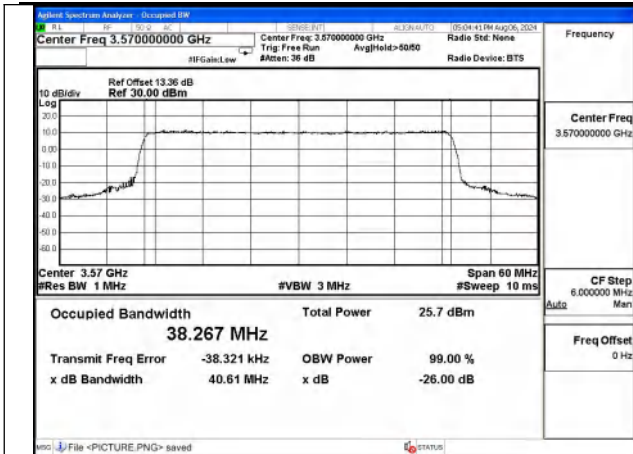


Fig.27

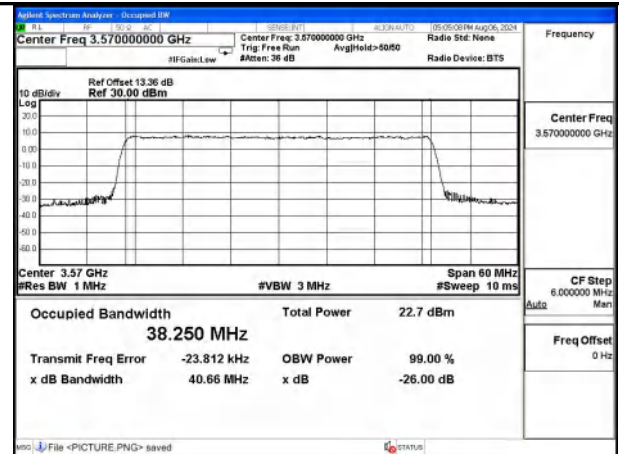


Fig.28

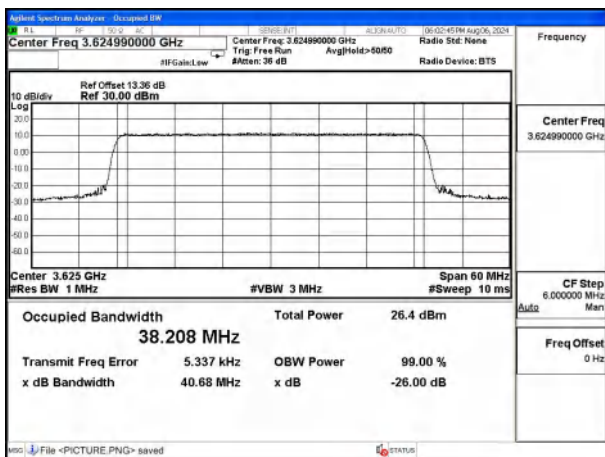


Fig.29

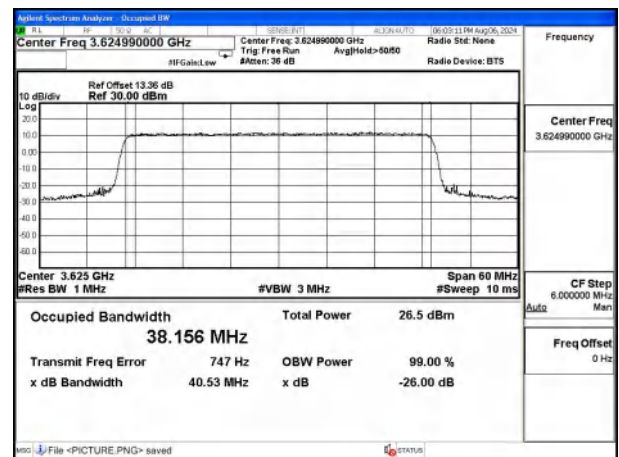


Fig.30

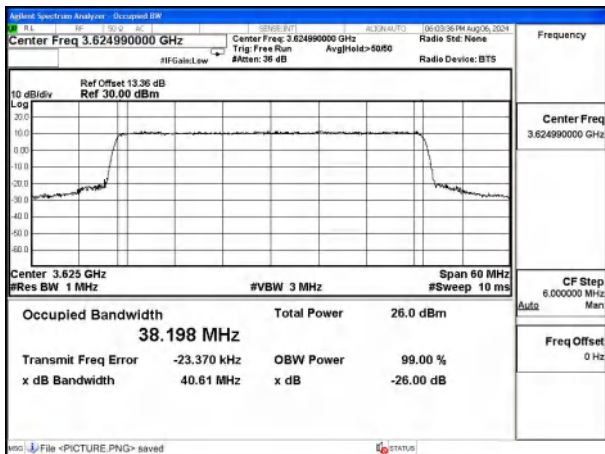


Fig.31

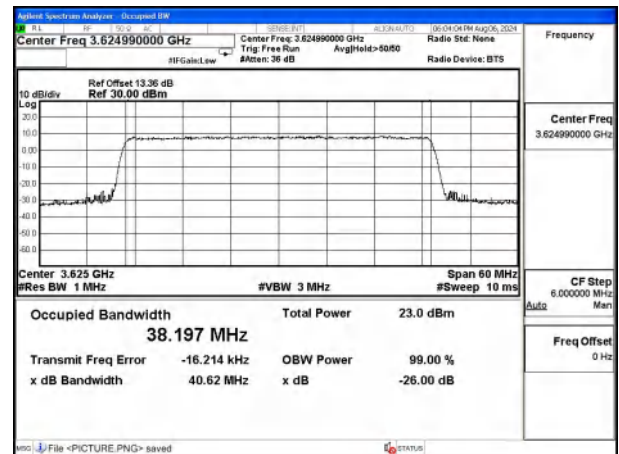


Fig.32

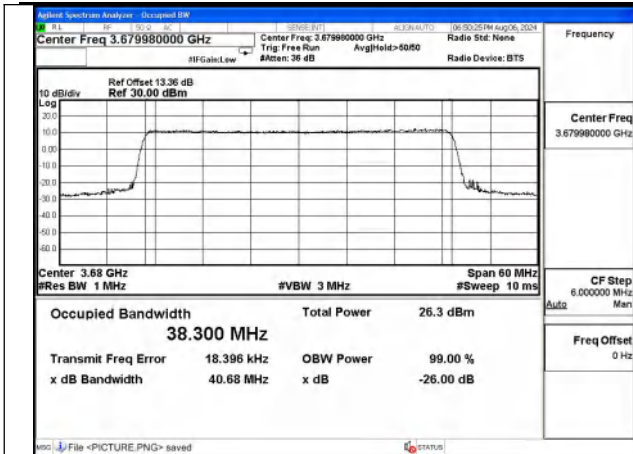


Fig.33

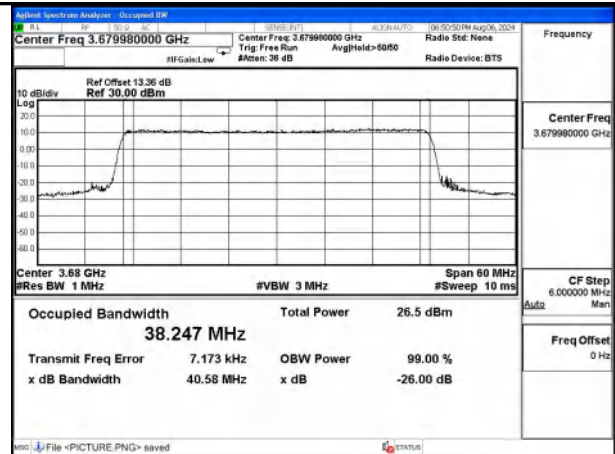


Fig.34

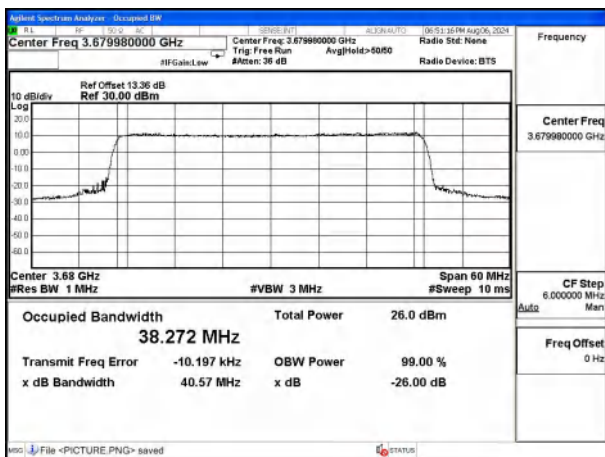


Fig.35

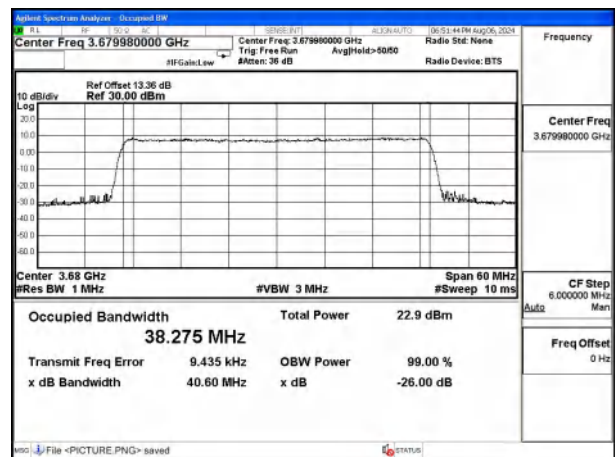


Fig.36

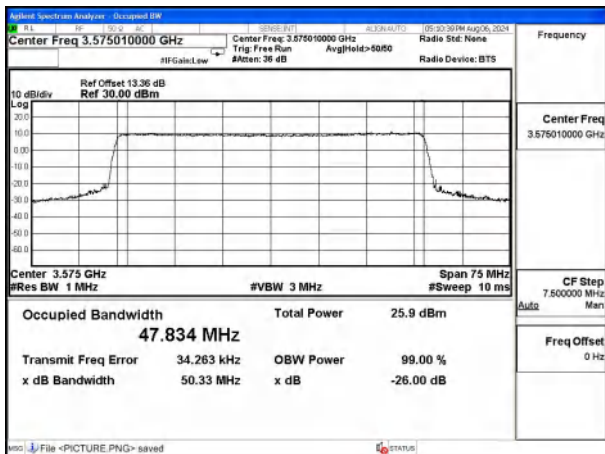


Fig.37

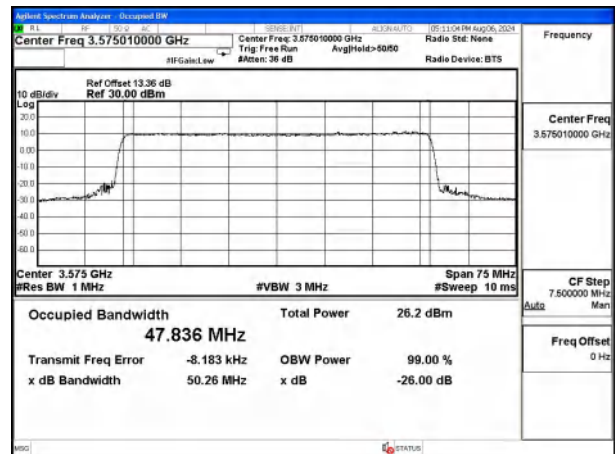


Fig.38

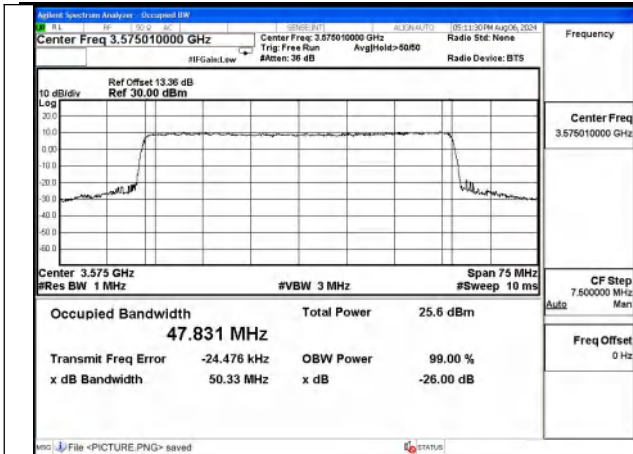


Fig.39

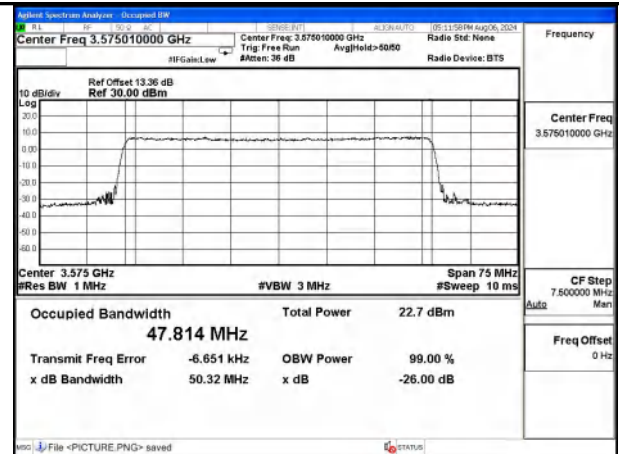


Fig.40

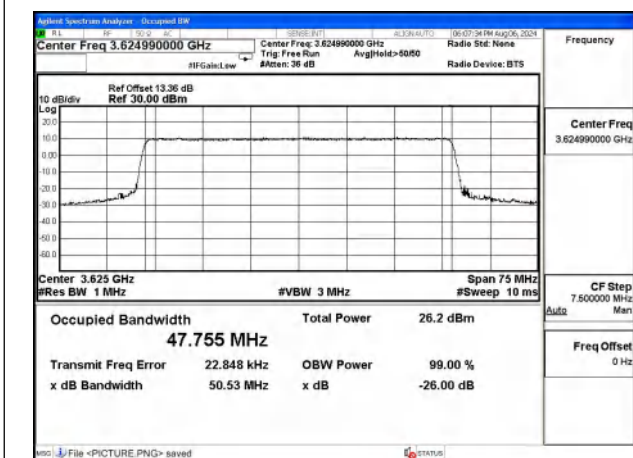


Fig.41

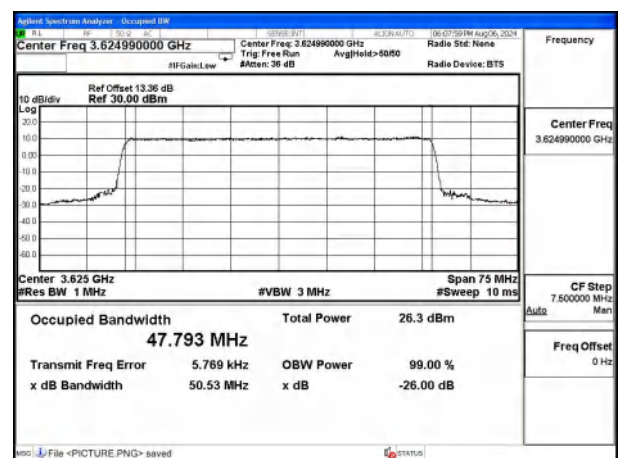


Fig.42

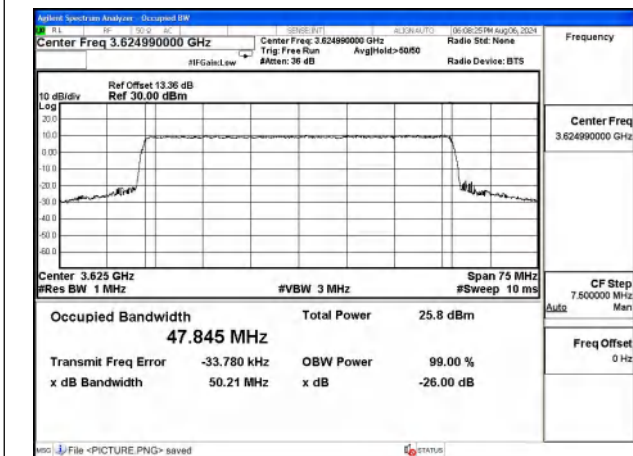


Fig.43

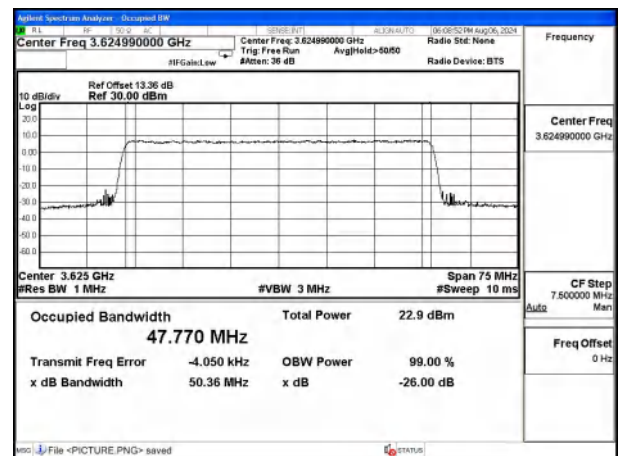


Fig.44

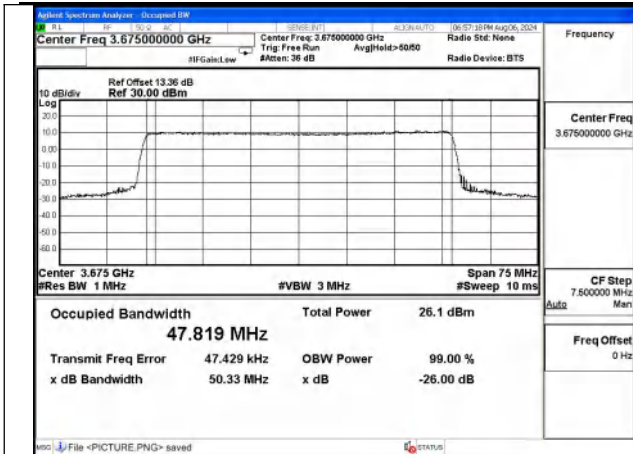


Fig.45

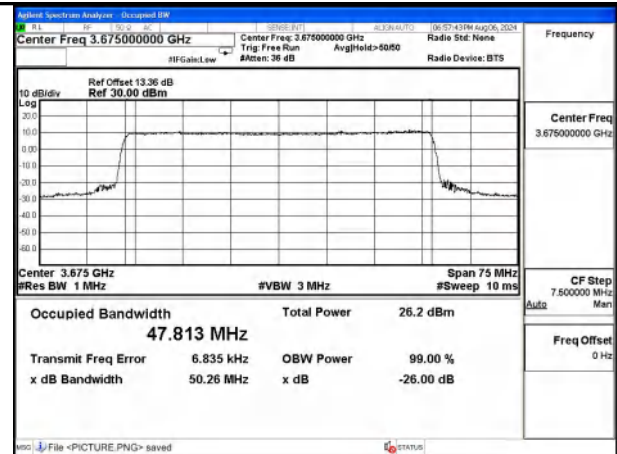


Fig.46

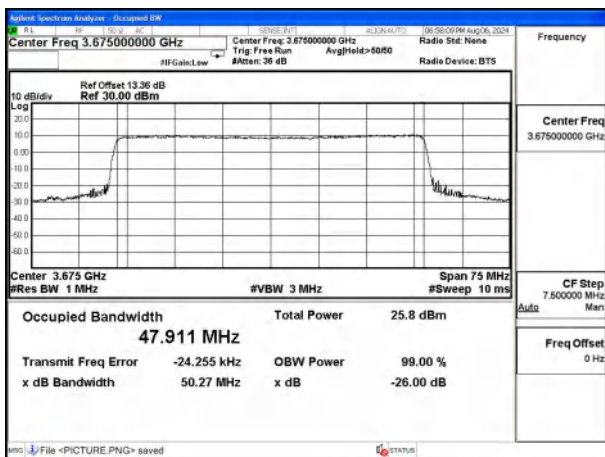


Fig.47

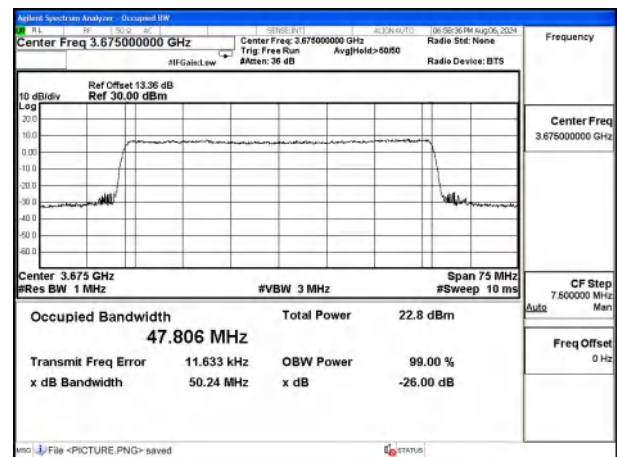


Fig.48

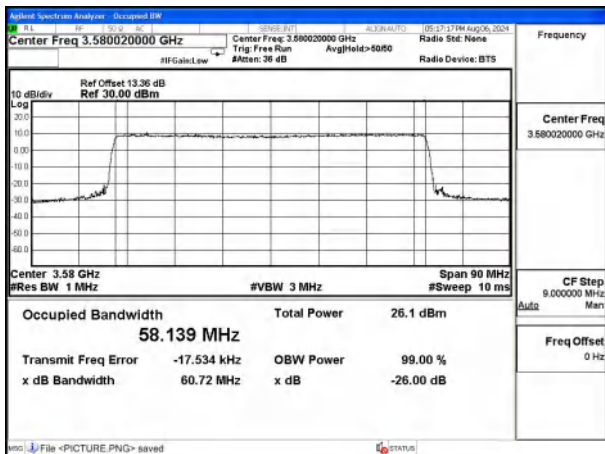


Fig.49

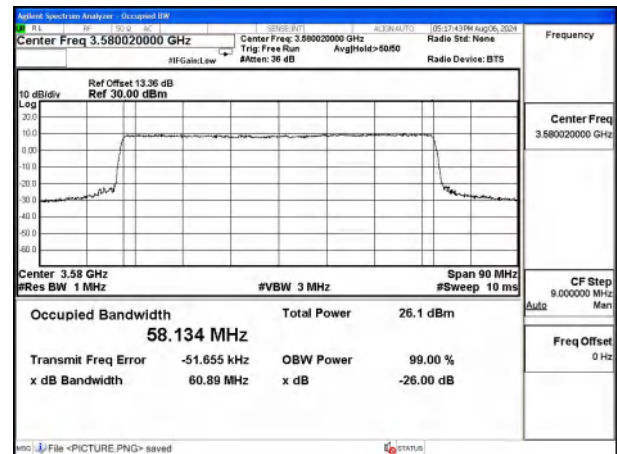


Fig.50

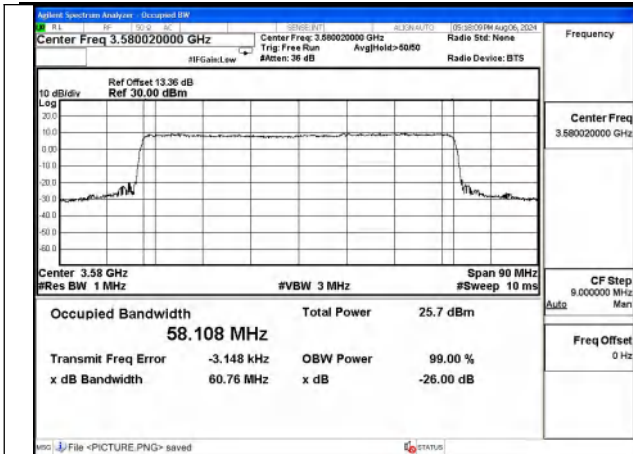


Fig.51

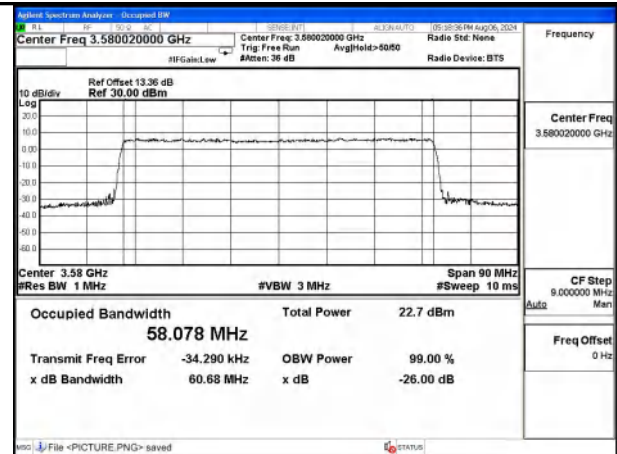


Fig.52

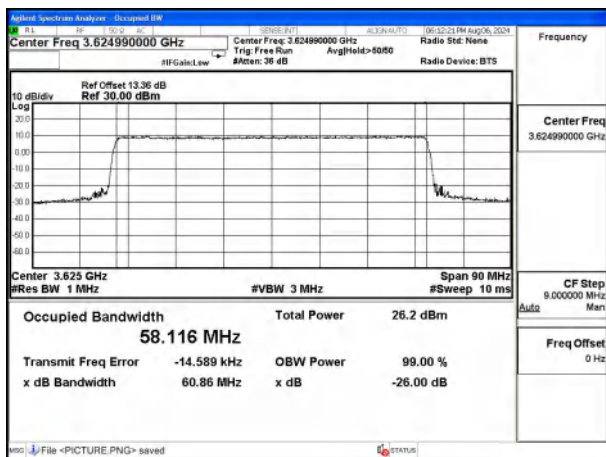


Fig.53

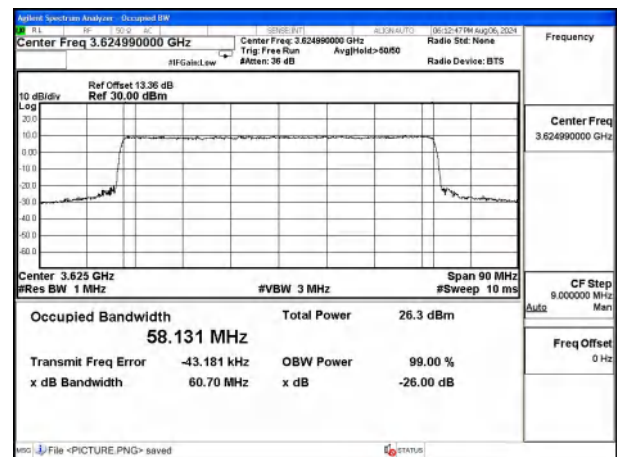


Fig.54

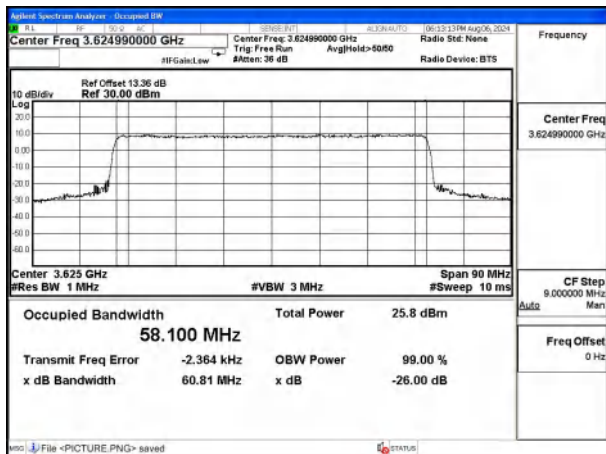


Fig.55

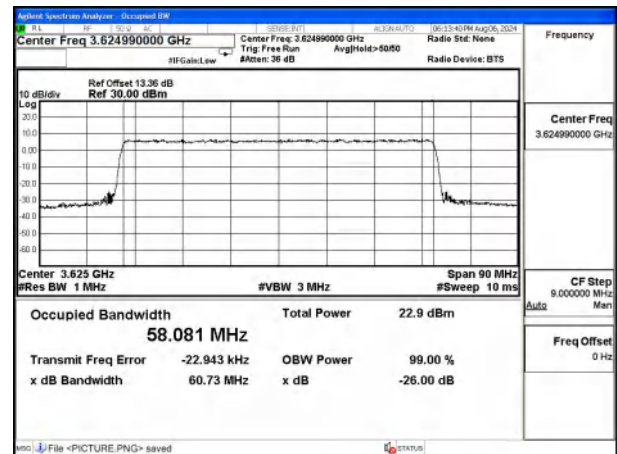


Fig.56

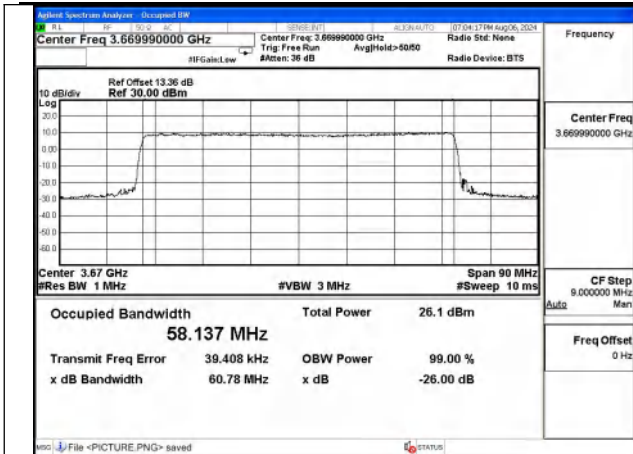


Fig.57

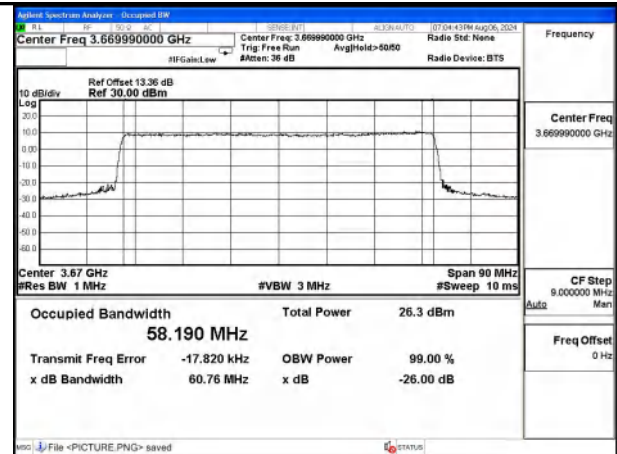


Fig.58

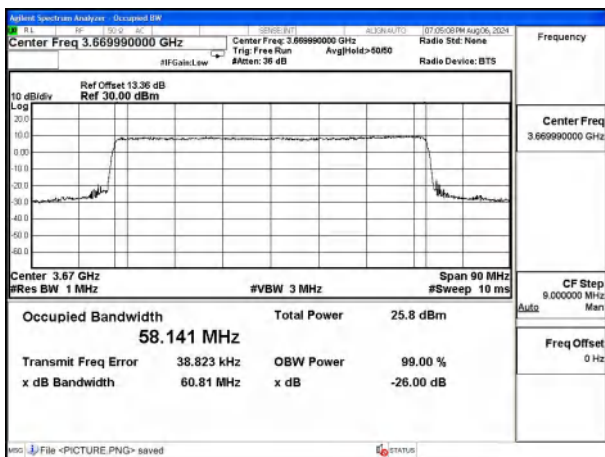


Fig.59

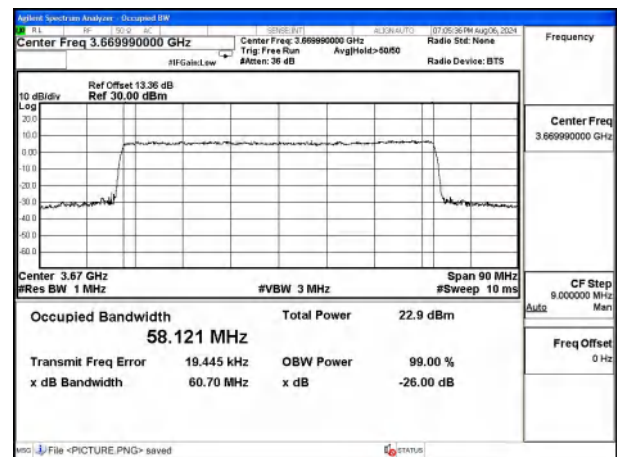


Fig.60

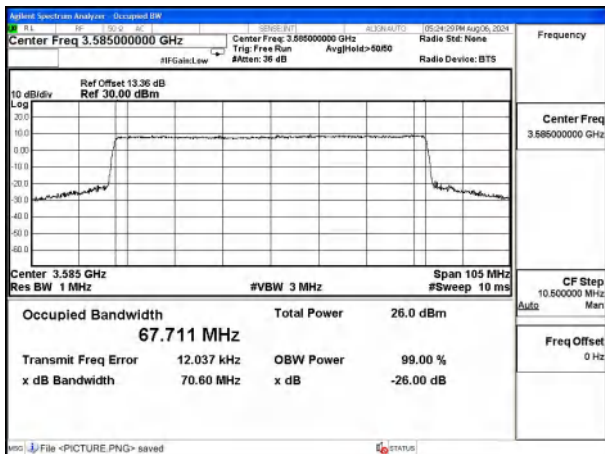


Fig.61

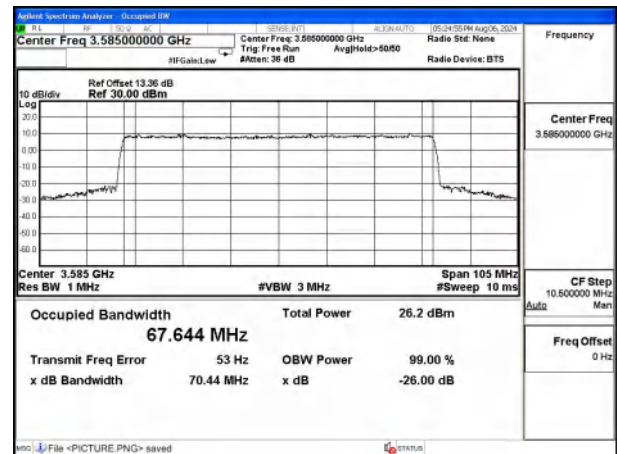


Fig.62

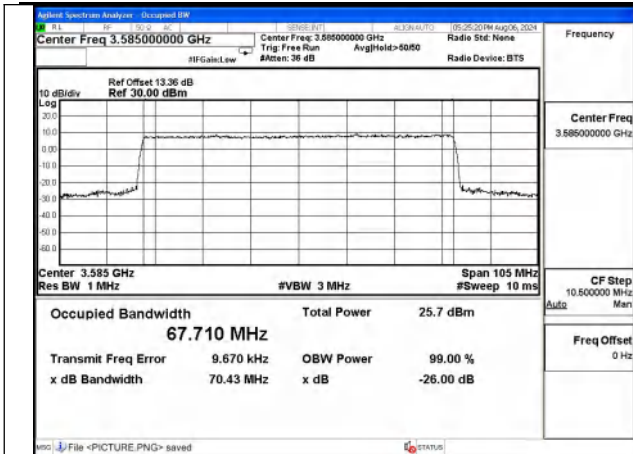


Fig.63

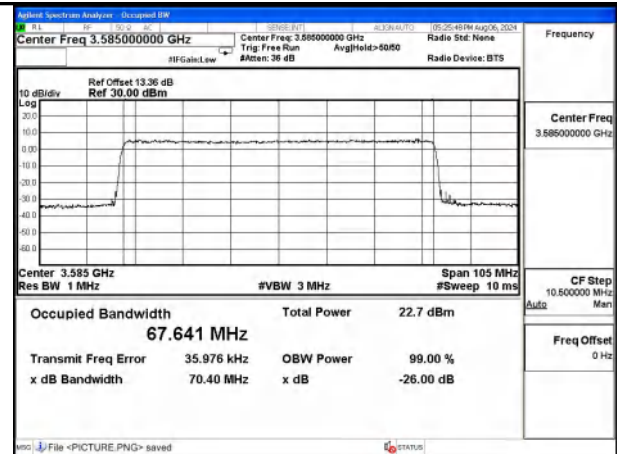


Fig.64

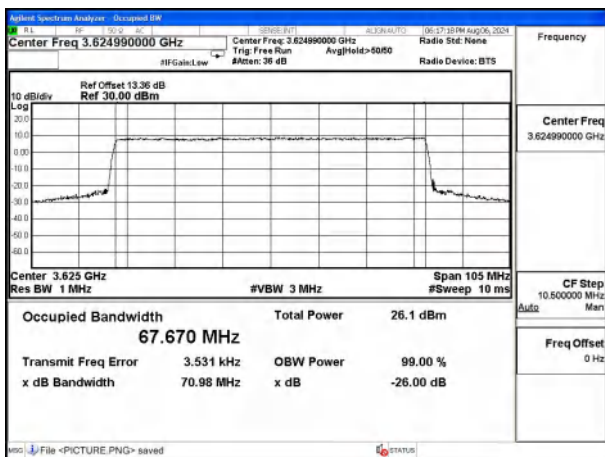


Fig.65

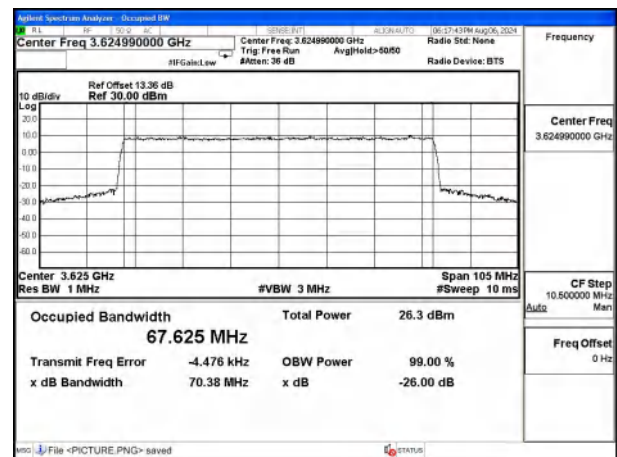


Fig.66

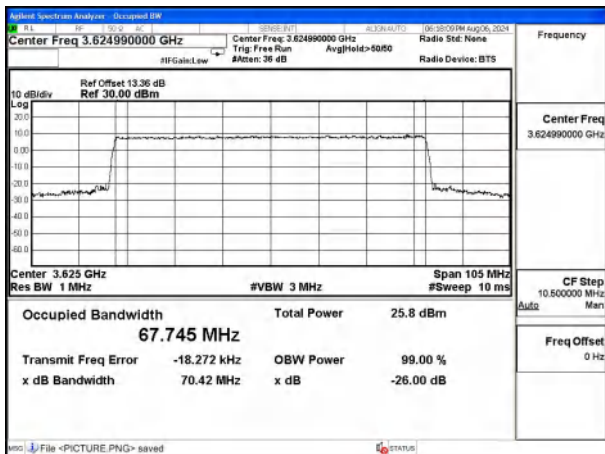


Fig.67

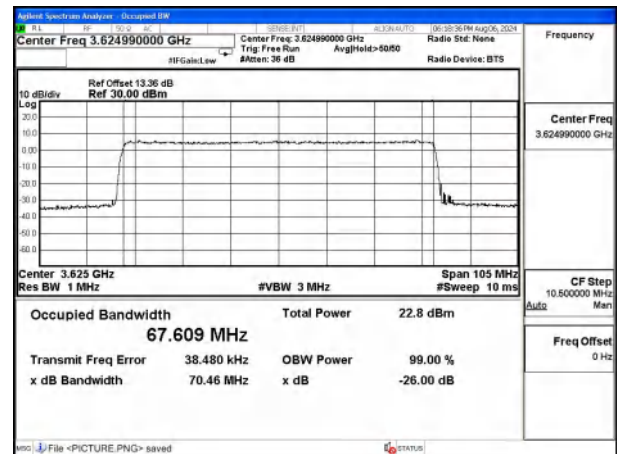


Fig.68

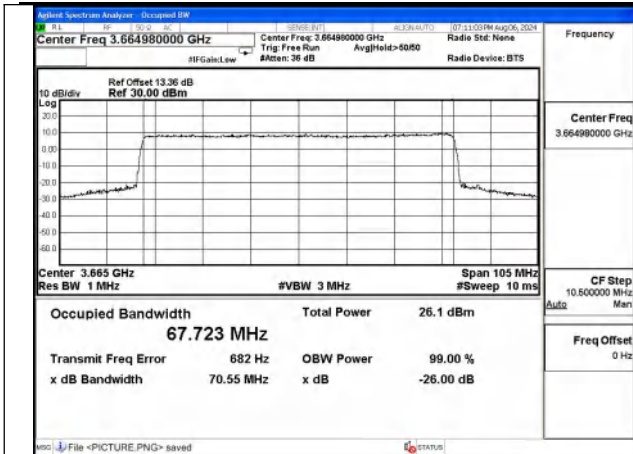


Fig.69

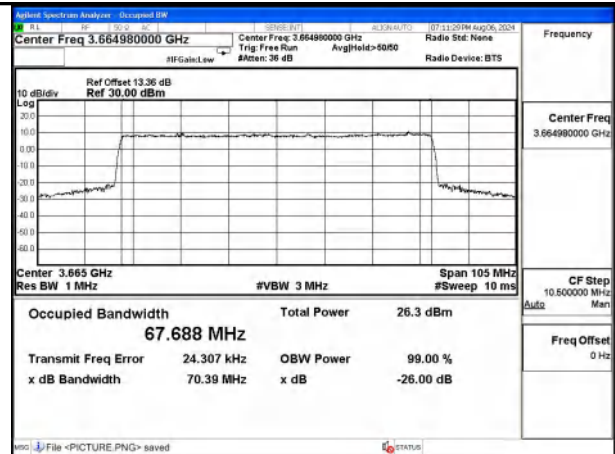


Fig.70

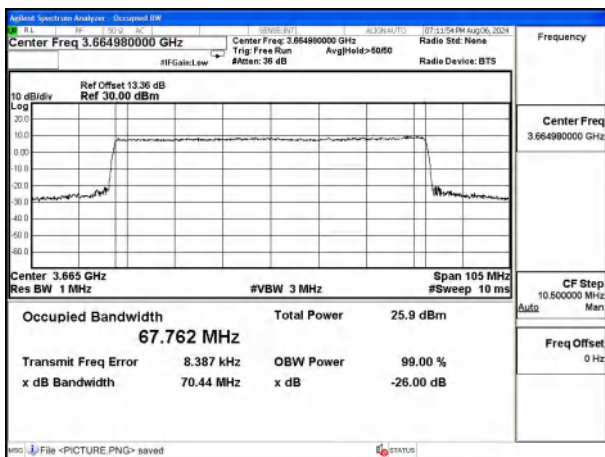


Fig.71

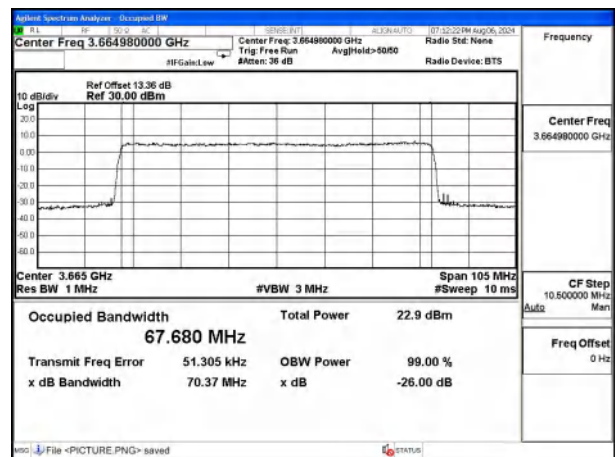


Fig.72

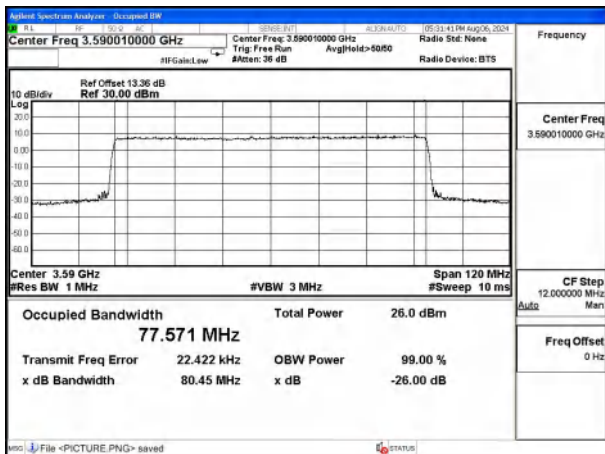


Fig.73

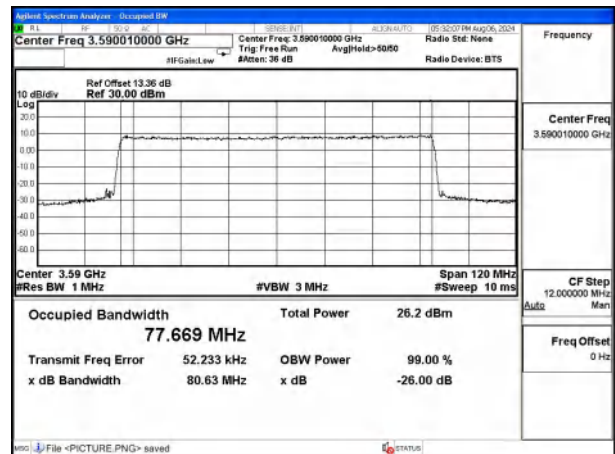


Fig.74

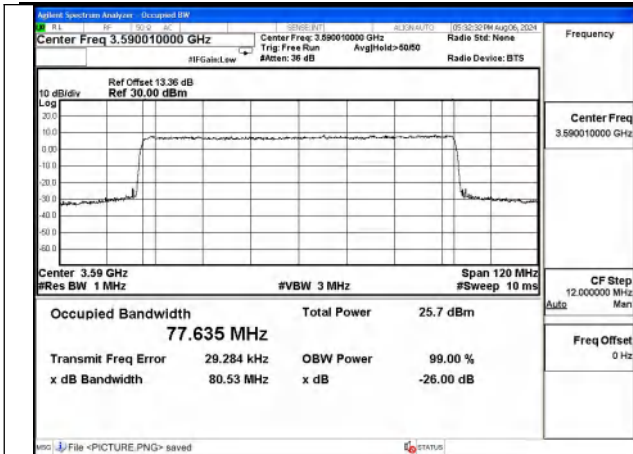


Fig.75

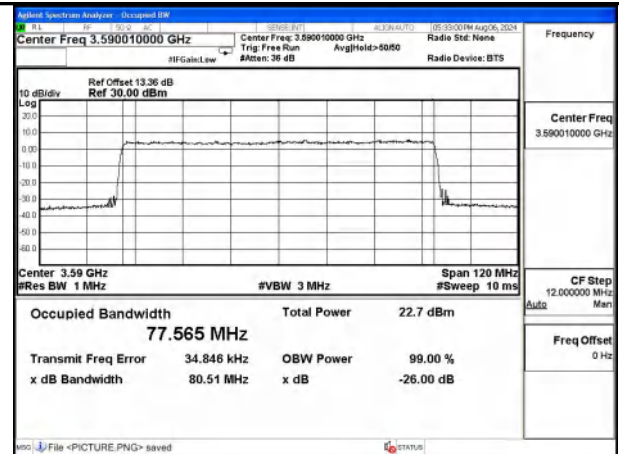


Fig.76

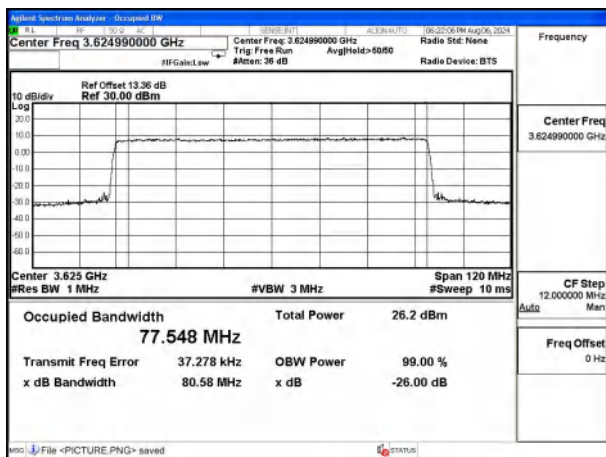


Fig.77

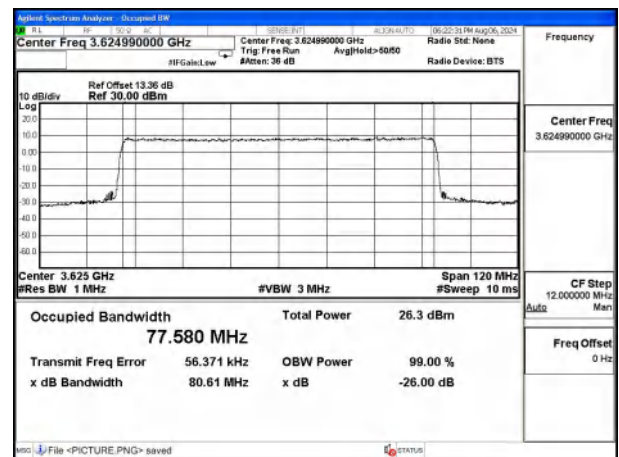


Fig.78

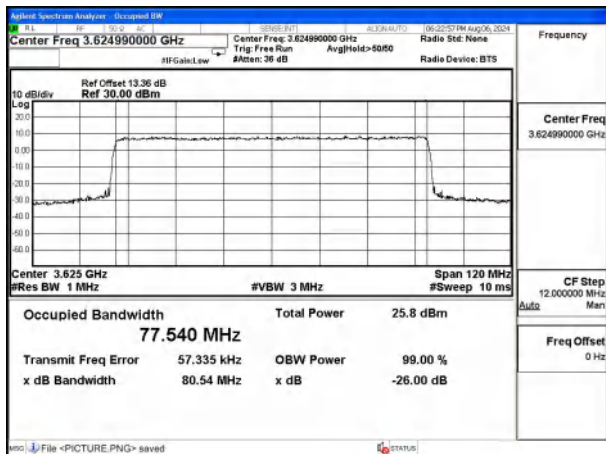


Fig.79

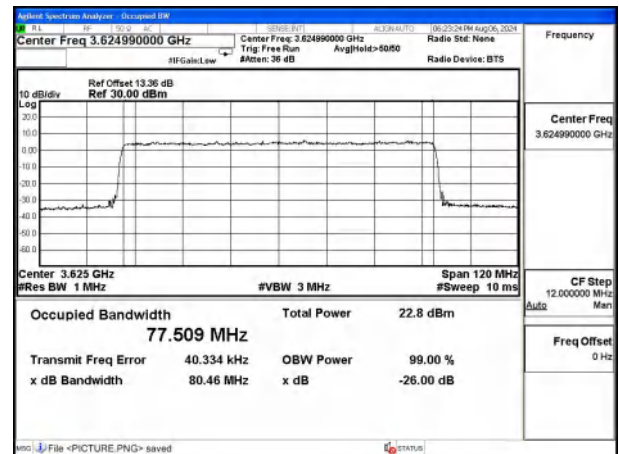


Fig.80

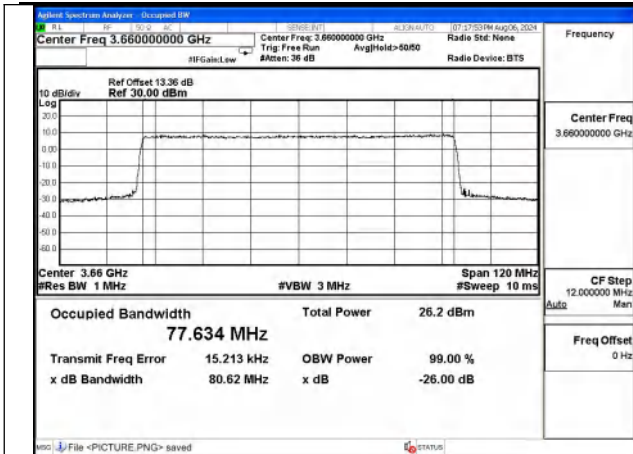


Fig.81

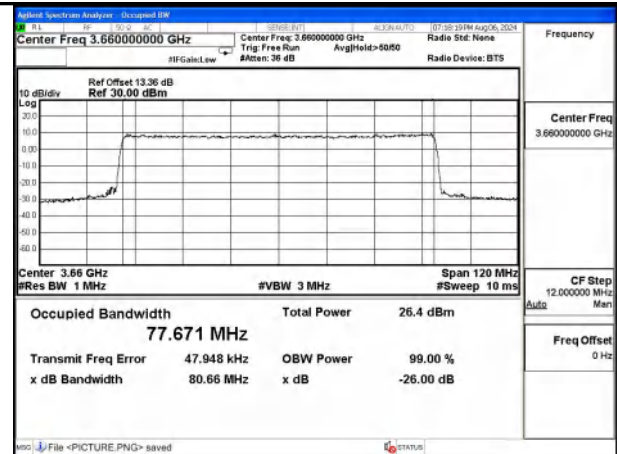


Fig.82

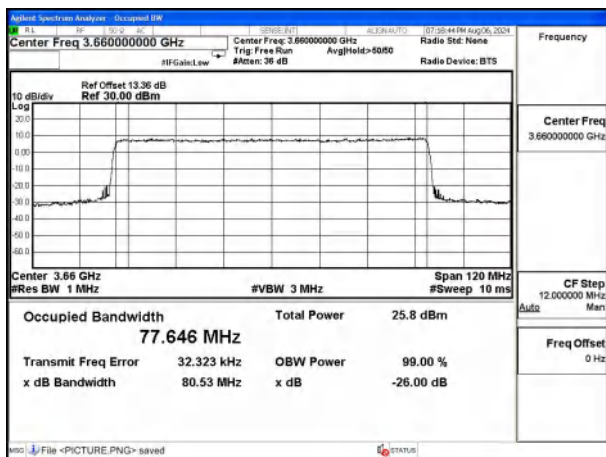


Fig.83

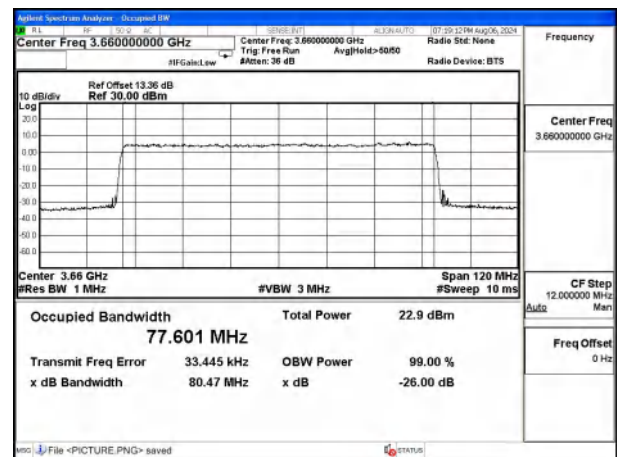


Fig.84

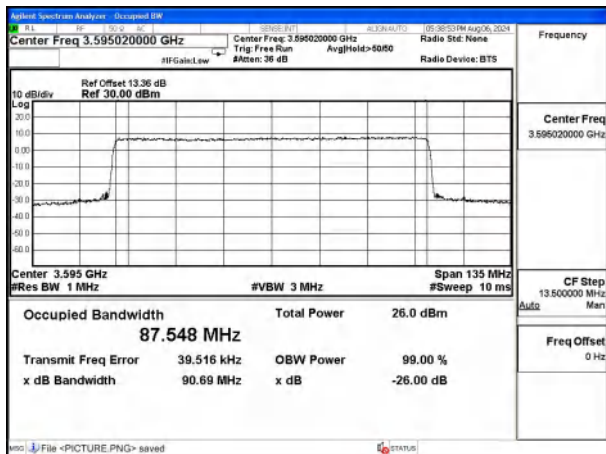


Fig.85

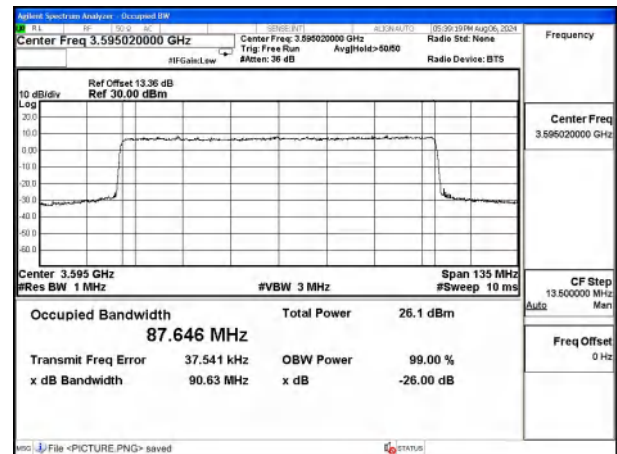


Fig.86

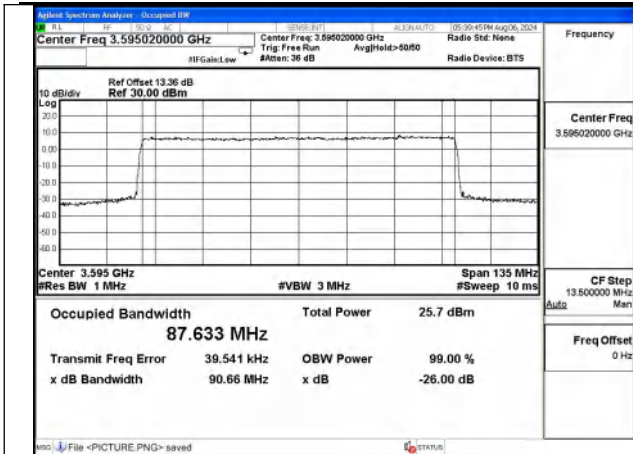


Fig.87

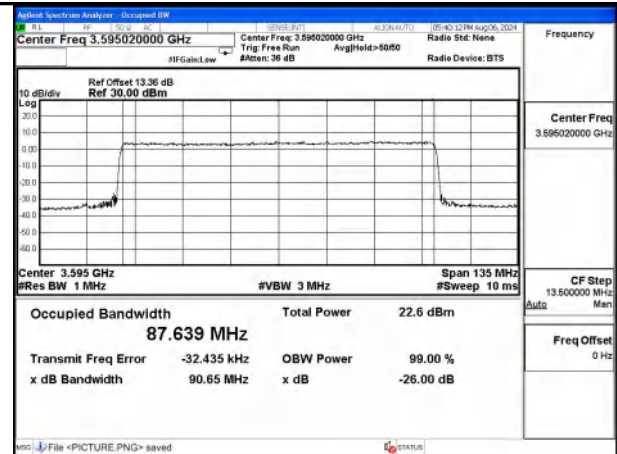


Fig.88

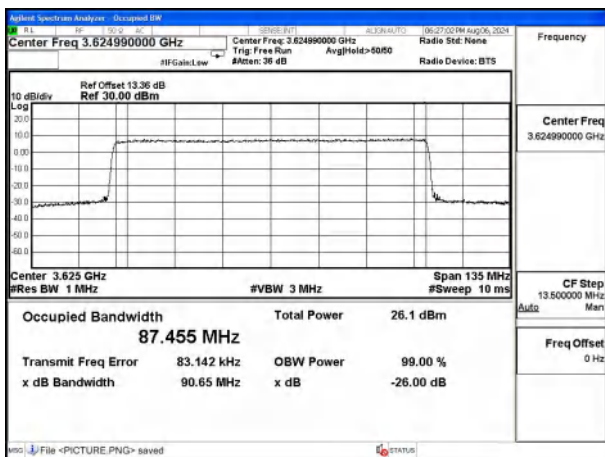


Fig.89

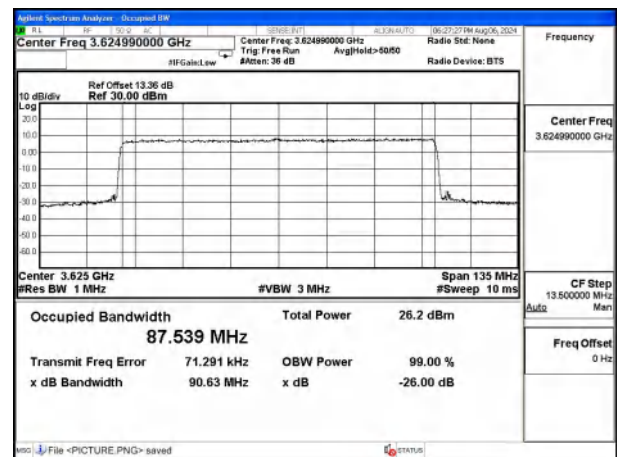


Fig.90

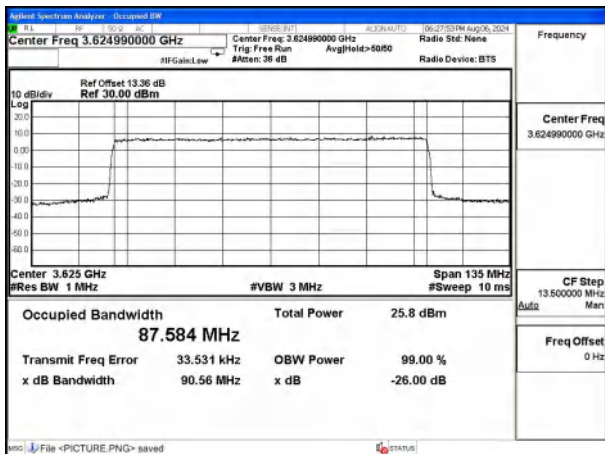


Fig.91

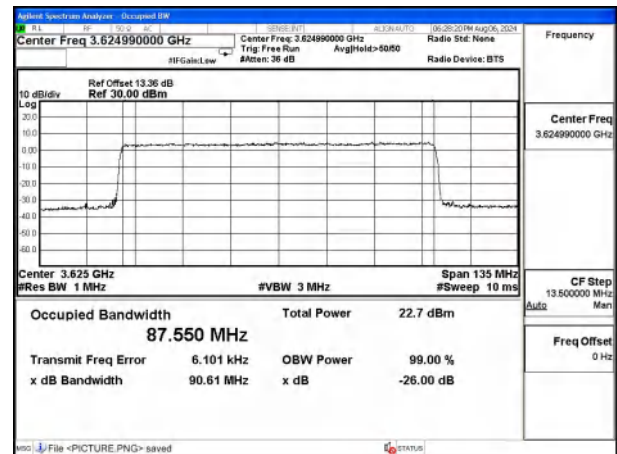


Fig.92

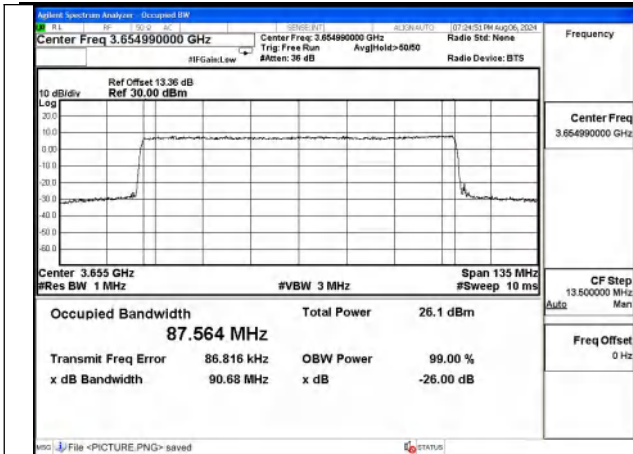


Fig.93

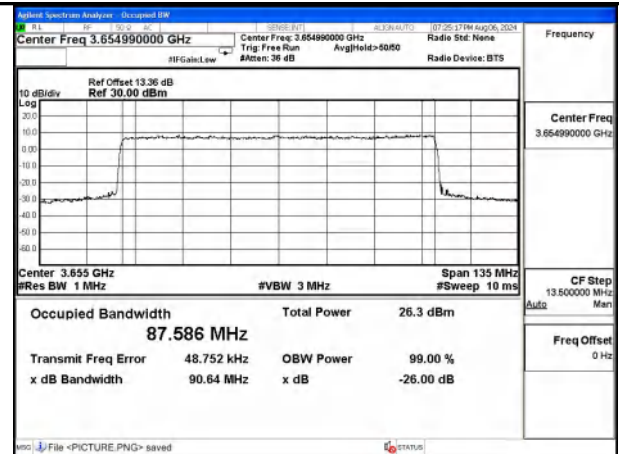


Fig.94

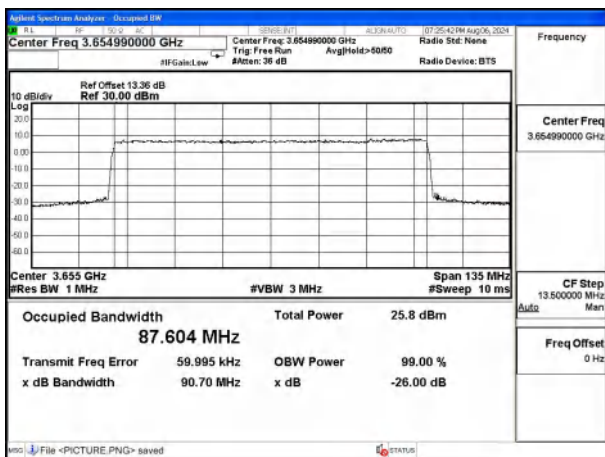


Fig.95

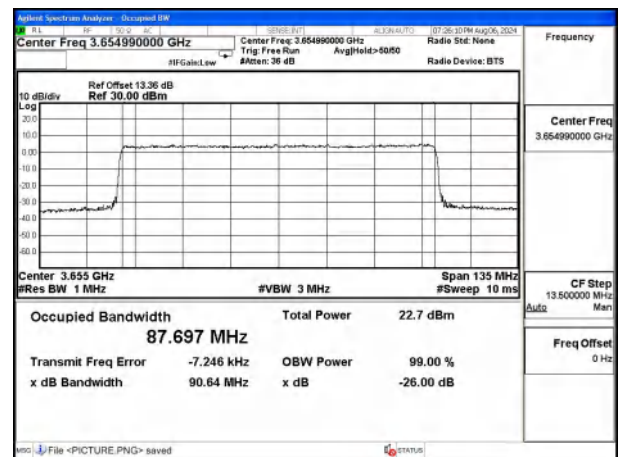


Fig.96

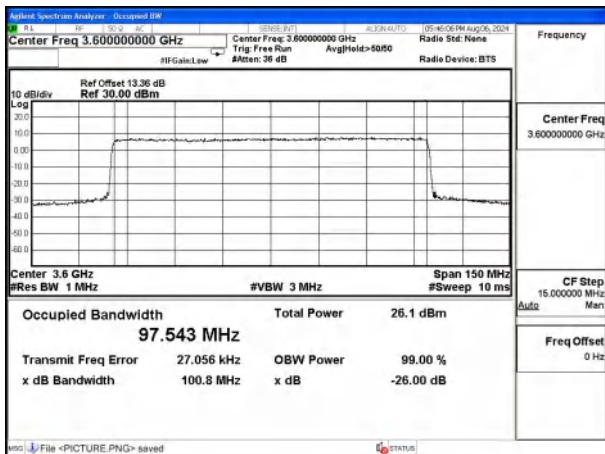


Fig.97

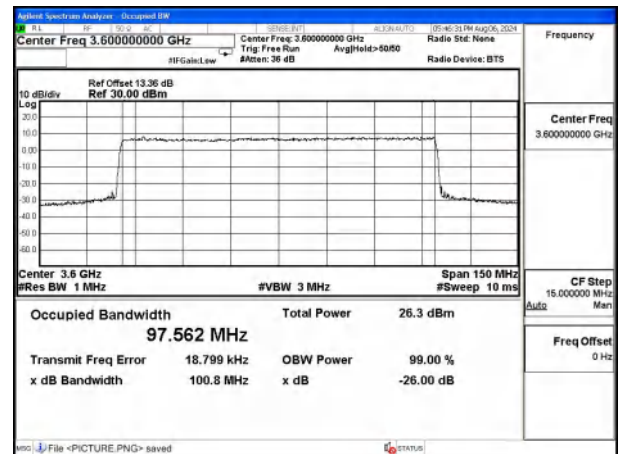


Fig.98

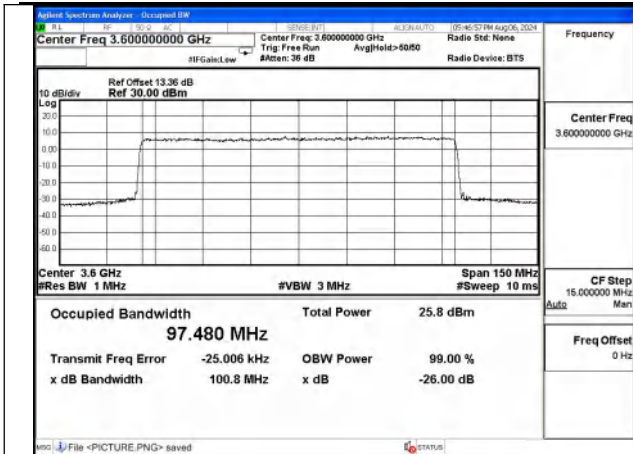


Fig.99

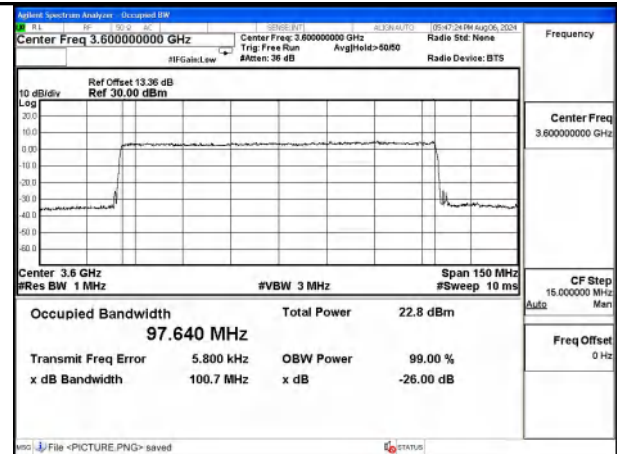


Fig.100

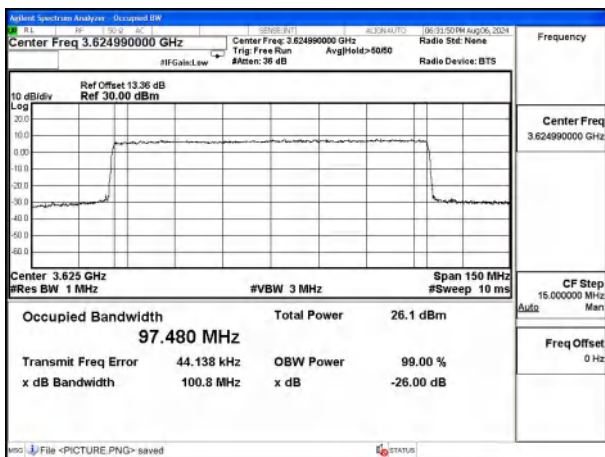


Fig.101

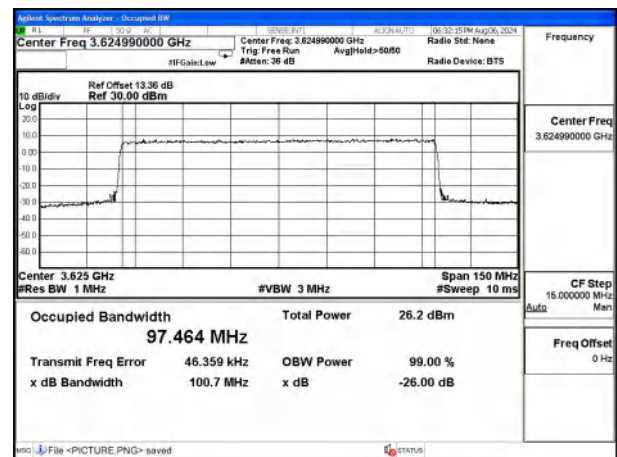


Fig.102

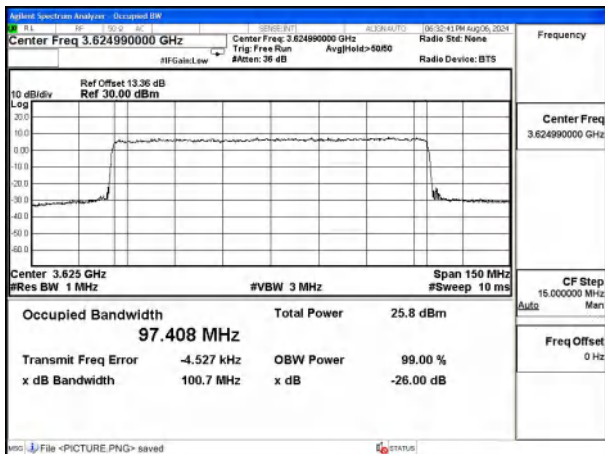


Fig.103

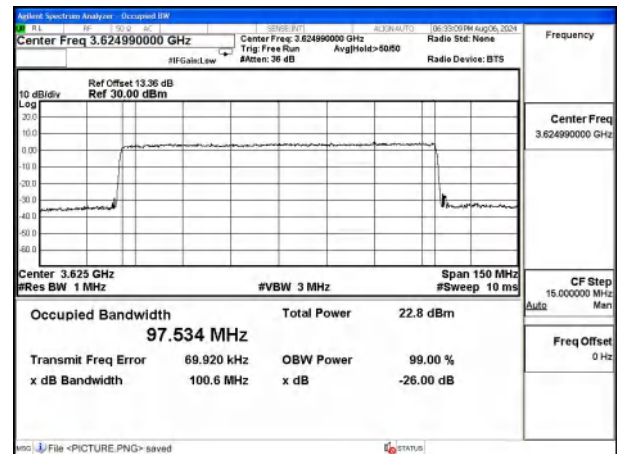


Fig.104

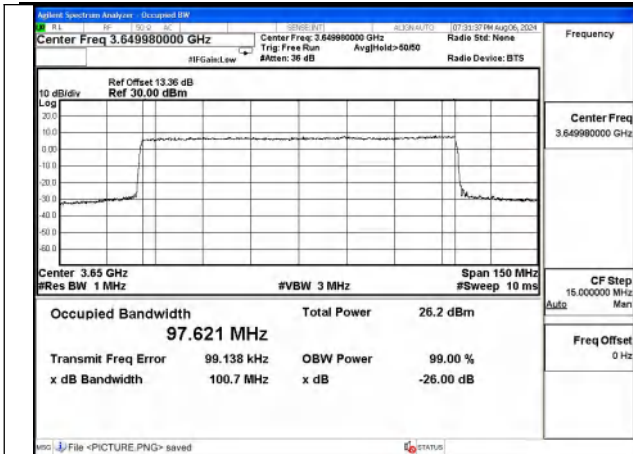


Fig.105

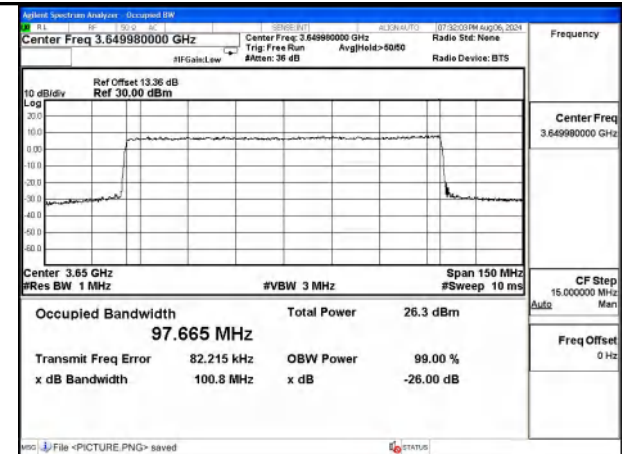


Fig.106

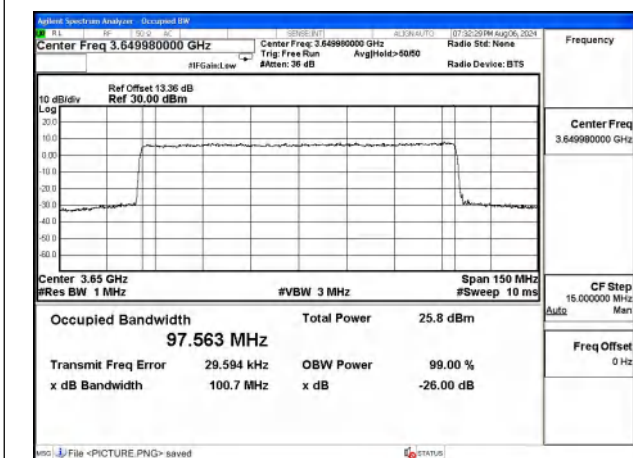


Fig.107

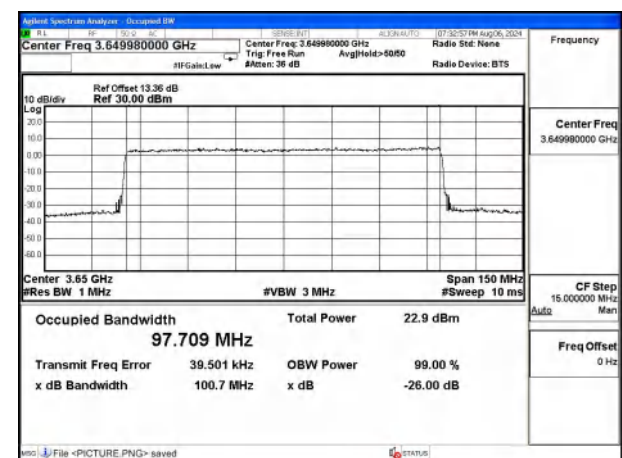


Fig.108

#### 4 Peak-Average Ratio

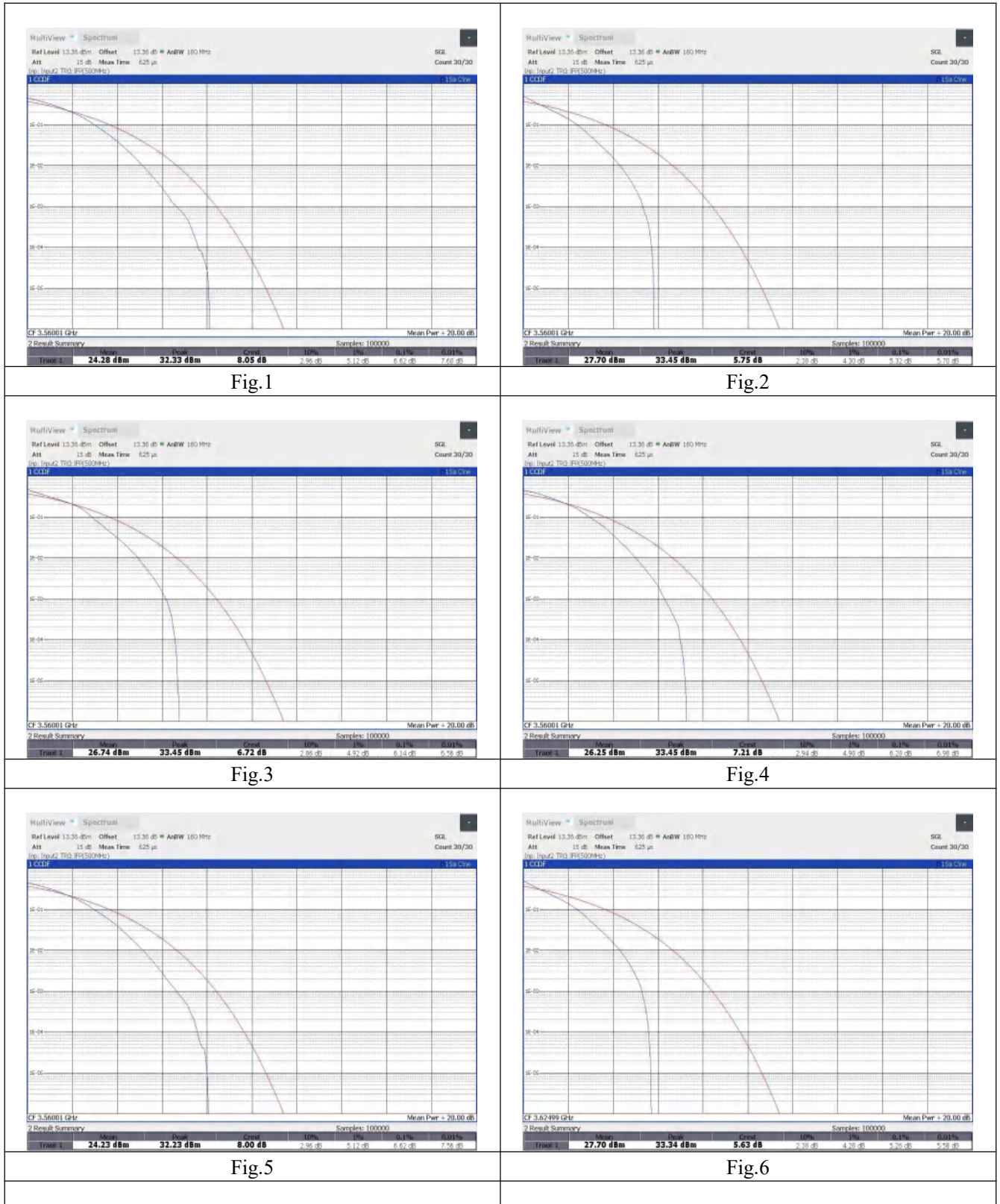
| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | PAR Plot |
|----------------------|-------------------------|------------|----------|---------|-----------|----------|
| DFT-s-OFDM PI/2 BPSK | 3560.01                 | 637334     | 20       | 50      | 0         | Fig.1    |
| DFT-s-OFDM QPSK      | 3560.01                 | 637334     | 20       | 50      | 0         | Fig.2    |
| DFT-s-OFDM 16QAM     | 3560.01                 | 637334     | 20       | 50      | 0         | Fig.3    |
| DFT-s-OFDM 64QAM     | 3560.01                 | 637334     | 20       | 50      | 0         | Fig.4    |
| DFT-s-OFDM 256QAM    | 3560.01                 | 637334     | 20       | 50      | 0         | Fig.5    |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 20       | 50      | 0         | Fig.6    |
| DFT-s-OFDM QPSK      | 3624.99                 | 641666     | 20       | 50      | 0         | Fig.7    |
| DFT-s-OFDM 16QAM     | 3624.99                 | 641666     | 20       | 50      | 0         | Fig.8    |
| DFT-s-OFDM 64QAM     | 3624.99                 | 641666     | 20       | 50      | 0         | Fig.9    |
| DFT-s-OFDM 256QAM    | 3624.99                 | 641666     | 20       | 50      | 0         | Fig.10   |
| DFT-s-OFDM PI/2 BPSK | 3690                    | 646000     | 20       | 50      | 0         | Fig.11   |
| DFT-s-OFDM QPSK      | 3690                    | 646000     | 20       | 50      | 0         | Fig.12   |
| DFT-s-OFDM 16QAM     | 3690                    | 646000     | 20       | 50      | 0         | Fig.13   |
| DFT-s-OFDM 64QAM     | 3690                    | 646000     | 20       | 50      | 0         | Fig.14   |
| DFT-s-OFDM 256QAM    | 3690                    | 646000     | 20       | 50      | 0         | Fig.15   |
| DFT-s-OFDM PI/2 BPSK | 3565.02                 | 637668     | 30       | 75      | 0         | Fig.16   |
| DFT-s-OFDM QPSK      | 3565.02                 | 637668     | 30       | 75      | 0         | Fig.17   |
| DFT-s-OFDM 16QAM     | 3565.02                 | 637668     | 30       | 75      | 0         | Fig.18   |
| DFT-s-OFDM 64QAM     | 3565.02                 | 637668     | 30       | 75      | 0         | Fig.19   |
| DFT-s-OFDM 256QAM    | 3565.02                 | 637668     | 30       | 75      | 0         | Fig.20   |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 30       | 75      | 0         | Fig.21   |
| DFT-s-OFDM QPSK      | 3624.99                 | 641666     | 30       | 75      | 0         | Fig.22   |
| DFT-s-OFDM 16QAM     | 3624.99                 | 641666     | 30       | 75      | 0         | Fig.23   |
| DFT-s-OFDM 64QAM     | 3624.99                 | 641666     | 30       | 75      | 0         | Fig.24   |
| DFT-s-OFDM 256QAM    | 3624.99                 | 641666     | 30       | 75      | 0         | Fig.25   |
| DFT-s-OFDM PI/2 BPSK | 3684.99                 | 645666     | 30       | 75      | 0         | Fig.26   |
| DFT-s-OFDM QPSK      | 3684.99                 | 645666     | 30       | 75      | 0         | Fig.27   |
| DFT-s-OFDM 16QAM     | 3684.99                 | 645666     | 30       | 75      | 0         | Fig.28   |
| DFT-s-OFDM 64QAM     | 3684.99                 | 645666     | 30       | 75      | 0         | Fig.29   |
| DFT-s-OFDM 256QAM    | 3684.99                 | 645666     | 30       | 75      | 0         | Fig.30   |
| DFT-s-OFDM PI/2 BPSK | 3570                    | 638000     | 40       | 100     | 0         | Fig.31   |
| DFT-s-OFDM QPSK      | 3570                    | 638000     | 40       | 100     | 0         | Fig.32   |
| DFT-s-OFDM 16QAM     | 3570                    | 638000     | 40       | 100     | 0         | Fig.33   |
| DFT-s-OFDM 64QAM     | 3570                    | 638000     | 40       | 100     | 0         | Fig.34   |
| DFT-s-OFDM 256QAM    | 3570                    | 638000     | 40       | 100     | 0         | Fig.35   |
| DFT-s-OFDM PI/2 BPSK | 3624.99                 | 641666     | 40       | 100     | 0         | Fig.36   |
| DFT-s-OFDM QPSK      | 3624.99                 | 641666     | 40       | 100     | 0         | Fig.37   |
| DFT-s-OFDM 16QAM     | 3624.99                 | 641666     | 40       | 100     | 0         | Fig.38   |
| DFT-s-OFDM 64QAM     | 3624.99                 | 641666     | 40       | 100     | 0         | Fig.39   |
| DFT-s-OFDM 256QAM    | 3624.99                 | 641666     | 40       | 100     | 0         | Fig.40   |
| DFT-s-OFDM PI/2 BPSK | 3679.98                 | 645332     | 40       | 100     | 0         | Fig.41   |
| DFT-s-OFDM QPSK      | 3679.98                 | 645332     | 40       | 100     | 0         | Fig.42   |
| DFT-s-OFDM 16QAM     | 3679.98                 | 645332     | 40       | 100     | 0         | Fig.43   |

|                      |         |        |    |     |   |        |
|----------------------|---------|--------|----|-----|---|--------|
| DFT-s-OFDM 64QAM     | 3679.98 | 645332 | 40 | 100 | 0 | Fig.44 |
| DFT-s-OFDM 256QAM    | 3679.98 | 645332 | 40 | 100 | 0 | Fig.45 |
| DFT-s-OFDM PI/2 BPSK | 3575.01 | 638334 | 50 | 128 | 0 | Fig.46 |
| DFT-s-OFDM QPSK      | 3575.01 | 638334 | 50 | 128 | 0 | Fig.47 |
| DFT-s-OFDM 16QAM     | 3575.01 | 638334 | 50 | 128 | 0 | Fig.48 |
| DFT-s-OFDM 64QAM     | 3575.01 | 638334 | 50 | 128 | 0 | Fig.49 |
| DFT-s-OFDM 256QAM    | 3575.01 | 638334 | 50 | 128 | 0 | Fig.50 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 50 | 128 | 0 | Fig.51 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 50 | 128 | 0 | Fig.52 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 50 | 128 | 0 | Fig.53 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 50 | 128 | 0 | Fig.54 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 50 | 128 | 0 | Fig.55 |
| DFT-s-OFDM PI/2 BPSK | 3675    | 645000 | 50 | 128 | 0 | Fig.56 |
| DFT-s-OFDM QPSK      | 3675    | 645000 | 50 | 128 | 0 | Fig.57 |
| DFT-s-OFDM 16QAM     | 3675    | 645000 | 50 | 128 | 0 | Fig.58 |
| DFT-s-OFDM 64QAM     | 3675    | 645000 | 50 | 128 | 0 | Fig.59 |
| DFT-s-OFDM 256QAM    | 3675    | 645000 | 50 | 128 | 0 | Fig.60 |
| DFT-s-OFDM PI/2 BPSK | 3580.02 | 638668 | 60 | 162 | 0 | Fig.61 |
| DFT-s-OFDM QPSK      | 3580.02 | 638668 | 60 | 162 | 0 | Fig.62 |
| DFT-s-OFDM 16QAM     | 3580.02 | 638668 | 60 | 162 | 0 | Fig.63 |
| DFT-s-OFDM 64QAM     | 3580.02 | 638668 | 60 | 162 | 0 | Fig.64 |
| DFT-s-OFDM 256QAM    | 3580.02 | 638668 | 60 | 162 | 0 | Fig.65 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 60 | 162 | 0 | Fig.66 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 60 | 162 | 0 | Fig.67 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 60 | 162 | 0 | Fig.68 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 60 | 162 | 0 | Fig.69 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 60 | 162 | 0 | Fig.70 |
| DFT-s-OFDM PI/2 BPSK | 3669.99 | 644666 | 60 | 162 | 0 | Fig.71 |
| DFT-s-OFDM QPSK      | 3669.99 | 644666 | 60 | 162 | 0 | Fig.72 |
| DFT-s-OFDM 16QAM     | 3669.99 | 644666 | 60 | 162 | 0 | Fig.73 |
| DFT-s-OFDM 64QAM     | 3669.99 | 644666 | 60 | 162 | 0 | Fig.74 |
| DFT-s-OFDM 256QAM    | 3669.99 | 644666 | 60 | 162 | 0 | Fig.75 |
| DFT-s-OFDM PI/2 BPSK | 3585    | 639000 | 70 | 180 | 0 | Fig.76 |
| DFT-s-OFDM QPSK      | 3585    | 639000 | 70 | 180 | 0 | Fig.77 |
| DFT-s-OFDM 16QAM     | 3585    | 639000 | 70 | 180 | 0 | Fig.78 |
| DFT-s-OFDM 64QAM     | 3585    | 639000 | 70 | 180 | 0 | Fig.79 |
| DFT-s-OFDM 256QAM    | 3585    | 639000 | 70 | 180 | 0 | Fig.80 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 70 | 180 | 0 | Fig.81 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 70 | 180 | 0 | Fig.82 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 70 | 180 | 0 | Fig.83 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 70 | 180 | 0 | Fig.84 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 70 | 180 | 0 | Fig.85 |
| DFT-s-OFDM PI/2 BPSK | 3664.98 | 644332 | 70 | 180 | 0 | Fig.86 |
| DFT-s-OFDM QPSK      | 3664.98 | 644332 | 70 | 180 | 0 | Fig.87 |
| DFT-s-OFDM 16QAM     | 3664.98 | 644332 | 70 | 180 | 0 | Fig.88 |

|                      |         |        |     |     |   |         |
|----------------------|---------|--------|-----|-----|---|---------|
| DFT-s-OFDM 64QAM     | 3664.98 | 644332 | 70  | 180 | 0 | Fig.89  |
| DFT-s-OFDM 256QAM    | 3664.98 | 644332 | 70  | 180 | 0 | Fig.90  |
| DFT-s-OFDM PI/2 BPSK | 3590.01 | 639334 | 80  | 216 | 0 | Fig.91  |
| DFT-s-OFDM QPSK      | 3590.01 | 639334 | 80  | 216 | 0 | Fig.92  |
| DFT-s-OFDM 16QAM     | 3590.01 | 639334 | 80  | 216 | 0 | Fig.93  |
| DFT-s-OFDM 64QAM     | 3590.01 | 639334 | 80  | 216 | 0 | Fig.94  |
| DFT-s-OFDM 256QAM    | 3590.01 | 639334 | 80  | 216 | 0 | Fig.95  |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 80  | 216 | 0 | Fig.96  |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 80  | 216 | 0 | Fig.97  |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 80  | 216 | 0 | Fig.98  |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 80  | 216 | 0 | Fig.99  |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 80  | 216 | 0 | Fig.100 |
| DFT-s-OFDM PI/2 BPSK | 3660    | 644000 | 80  | 216 | 0 | Fig.101 |
| DFT-s-OFDM QPSK      | 3660    | 644000 | 80  | 216 | 0 | Fig.102 |
| DFT-s-OFDM 16QAM     | 3660    | 644000 | 80  | 216 | 0 | Fig.103 |
| DFT-s-OFDM 64QAM     | 3660    | 644000 | 80  | 216 | 0 | Fig.104 |
| DFT-s-OFDM 256QAM    | 3660    | 644000 | 80  | 216 | 0 | Fig.105 |
| DFT-s-OFDM PI/2 BPSK | 3595.02 | 639668 | 90  | 243 | 0 | Fig.106 |
| DFT-s-OFDM QPSK      | 3595.02 | 639668 | 90  | 243 | 0 | Fig.107 |
| DFT-s-OFDM 16QAM     | 3595.02 | 639668 | 90  | 243 | 0 | Fig.108 |
| DFT-s-OFDM 64QAM     | 3595.02 | 639668 | 90  | 243 | 0 | Fig.109 |
| DFT-s-OFDM 256QAM    | 3595.02 | 639668 | 90  | 243 | 0 | Fig.110 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 90  | 243 | 0 | Fig.111 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 90  | 243 | 0 | Fig.112 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 90  | 243 | 0 | Fig.113 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 90  | 243 | 0 | Fig.114 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 90  | 243 | 0 | Fig.115 |
| DFT-s-OFDM PI/2 BPSK | 3654.99 | 643666 | 90  | 243 | 0 | Fig.116 |
| DFT-s-OFDM QPSK      | 3654.99 | 643666 | 90  | 243 | 0 | Fig.117 |
| DFT-s-OFDM 16QAM     | 3654.99 | 643666 | 90  | 243 | 0 | Fig.118 |
| DFT-s-OFDM 64QAM     | 3654.99 | 643666 | 90  | 243 | 0 | Fig.119 |
| DFT-s-OFDM 256QAM    | 3654.99 | 643666 | 90  | 243 | 0 | Fig.120 |
| DFT-s-OFDM PI/2 BPSK | 3600    | 640000 | 100 | 270 | 0 | Fig.121 |
| DFT-s-OFDM QPSK      | 3600    | 640000 | 100 | 270 | 0 | Fig.122 |
| DFT-s-OFDM 16QAM     | 3600    | 640000 | 100 | 270 | 0 | Fig.123 |
| DFT-s-OFDM 64QAM     | 3600    | 640000 | 100 | 270 | 0 | Fig.124 |
| DFT-s-OFDM 256QAM    | 3600    | 640000 | 100 | 270 | 0 | Fig.125 |
| DFT-s-OFDM PI/2 BPSK | 3624.99 | 641666 | 100 | 270 | 0 | Fig.126 |
| DFT-s-OFDM QPSK      | 3624.99 | 641666 | 100 | 270 | 0 | Fig.127 |
| DFT-s-OFDM 16QAM     | 3624.99 | 641666 | 100 | 270 | 0 | Fig.128 |
| DFT-s-OFDM 64QAM     | 3624.99 | 641666 | 100 | 270 | 0 | Fig.129 |
| DFT-s-OFDM 256QAM    | 3624.99 | 641666 | 100 | 270 | 0 | Fig.130 |
| DFT-s-OFDM PI/2 BPSK | 3649.98 | 643332 | 100 | 270 | 0 | Fig.131 |
| DFT-s-OFDM QPSK      | 3649.98 | 643332 | 100 | 270 | 0 | Fig.132 |
| DFT-s-OFDM 16QAM     | 3649.98 | 643332 | 100 | 270 | 0 | Fig.133 |

|                   |         |        |     |     |   |         |
|-------------------|---------|--------|-----|-----|---|---------|
| DFT-s-OFDM 64QAM  | 3649.98 | 643332 | 100 | 270 | 0 | Fig.134 |
| DFT-s-OFDM 256QAM | 3649.98 | 643332 | 100 | 270 | 0 | Fig.135 |

Test Plot:



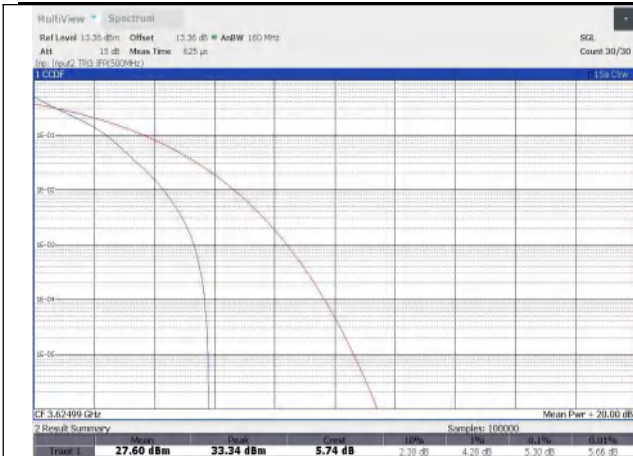


Fig.7

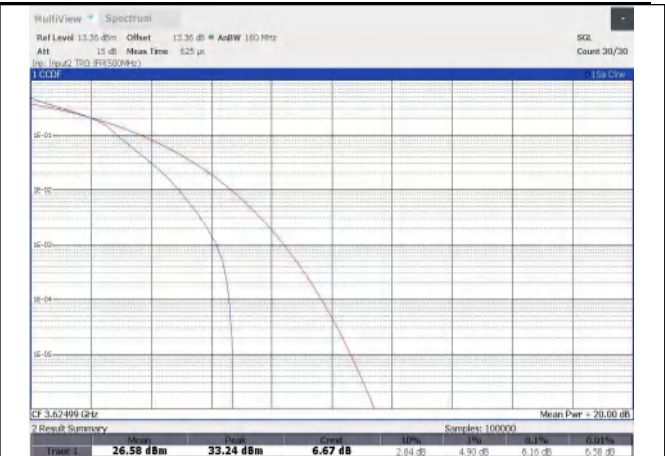


Fig.8

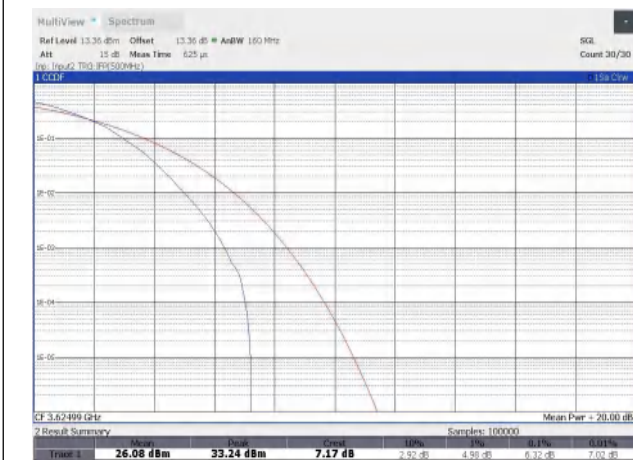


Fig.9

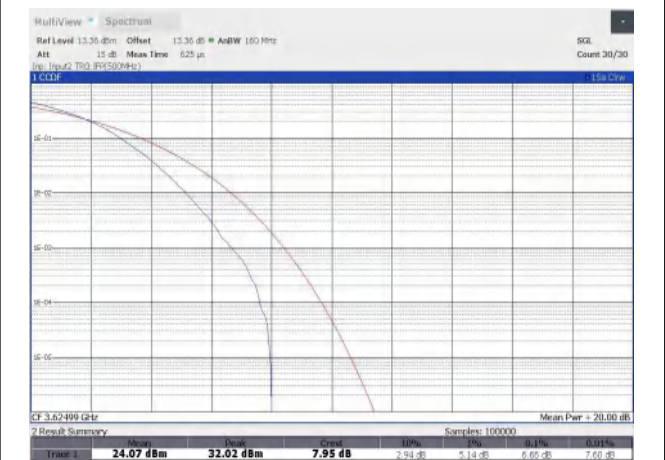


Fig.10

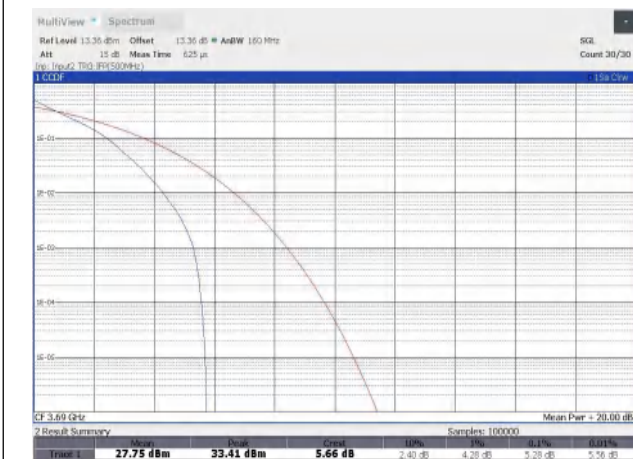


Fig.11

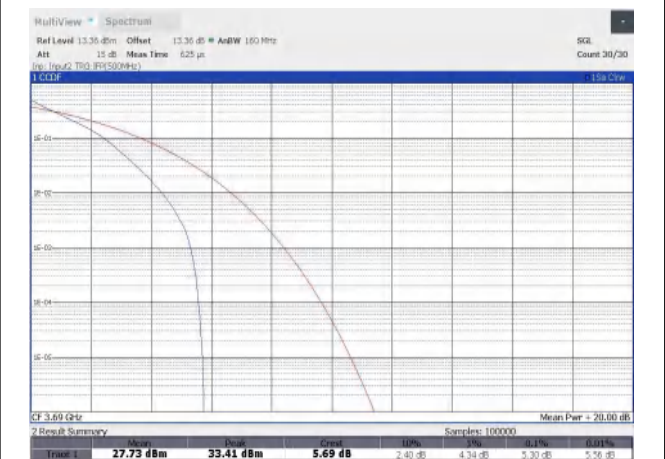


Fig.12

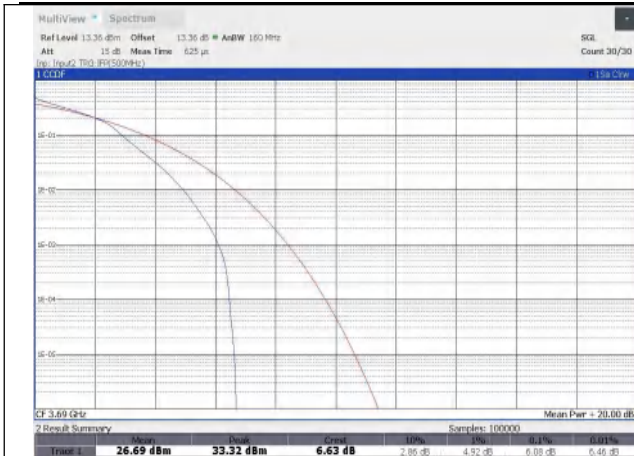


Fig.13

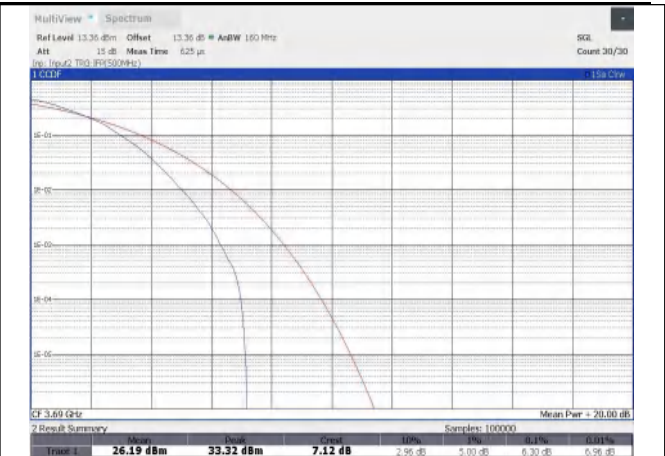


Fig.14

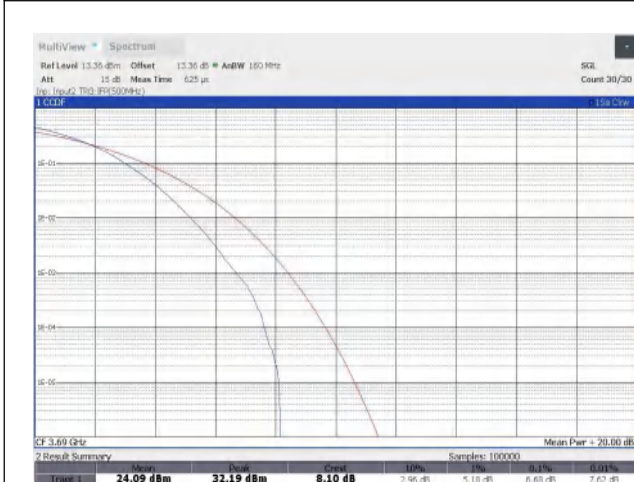


Fig.15

## 5 Spurious Emissions at antenna terminal

| Modulation   | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted Spurious Plot |        |
|--------------|-------------------------|------------|----------|---------|-----------|-------------------------|--------|
|              |                         |            |          |         |           | 30M~1G                  | 1G~20G |
| CP-OFDM QPSK | 3560.01                 | 637334     | 20       | 51      | 0         | Fig.1                   | Fig.2  |
| CP-OFDM QPSK | 3560.01                 | 637334     | 20       | 1       | 0         | Fig.3                   | Fig.4  |
| CP-OFDM QPSK | 3560.01                 | 637334     | 20       | 1       | 50        | Fig.5                   | Fig.6  |
| CP-OFDM QPSK | 3624.99                 | 641666     | 20       | 51      | 0         | Fig.7                   | Fig.8  |
| CP-OFDM QPSK | 3624.99                 | 641666     | 20       | 1       | 0         | Fig.9                   | Fig.10 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 20       | 1       | 50        | Fig.11                  | Fig.12 |
| CP-OFDM QPSK | 3690                    | 646000     | 20       | 51      | 0         | Fig.13                  | Fig.14 |
| CP-OFDM QPSK | 3690                    | 646000     | 20       | 1       | 0         | Fig.15                  | Fig.16 |
| CP-OFDM QPSK | 3690                    | 646000     | 20       | 1       | 50        | Fig.17                  | Fig.18 |
| CP-OFDM QPSK | 3565.02                 | 637668     | 30       | 78      | 0         | Fig.19                  | Fig.20 |
| CP-OFDM QPSK | 3565.02                 | 637668     | 30       | 1       | 0         | Fig.21                  | Fig.22 |
| CP-OFDM QPSK | 3565.02                 | 637668     | 30       | 1       | 77        | Fig.23                  | Fig.24 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 30       | 78      | 0         | Fig.25                  | Fig.26 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 30       | 1       | 0         | Fig.27                  | Fig.28 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 30       | 1       | 77        | Fig.29                  | Fig.30 |
| CP-OFDM QPSK | 3684.99                 | 645666     | 30       | 78      | 0         | Fig.31                  | Fig.32 |
| CP-OFDM QPSK | 3684.99                 | 645666     | 30       | 1       | 0         | Fig.33                  | Fig.34 |
| CP-OFDM QPSK | 3684.99                 | 645666     | 30       | 1       | 77        | Fig.35                  | Fig.36 |
| CP-OFDM QPSK | 3570                    | 638000     | 40       | 106     | 0         | Fig.37                  | Fig.38 |
| CP-OFDM QPSK | 3570                    | 638000     | 40       | 1       | 0         | Fig.39                  | Fig.40 |
| CP-OFDM QPSK | 3570                    | 638000     | 40       | 1       | 105       | Fig.41                  | Fig.42 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 40       | 106     | 0         | Fig.43                  | Fig.44 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 40       | 1       | 0         | Fig.45                  | Fig.46 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 40       | 1       | 105       | Fig.47                  | Fig.48 |
| CP-OFDM QPSK | 3679.98                 | 645332     | 40       | 106     | 0         | Fig.49                  | Fig.50 |
| CP-OFDM QPSK | 3679.98                 | 645332     | 40       | 1       | 0         | Fig.51                  | Fig.52 |
| CP-OFDM QPSK | 3679.98                 | 645332     | 40       | 1       | 105       | Fig.53                  | Fig.54 |
| CP-OFDM QPSK | 3575.01                 | 638334     | 50       | 133     | 0         | Fig.55                  | Fig.56 |
| CP-OFDM QPSK | 3575.01                 | 638334     | 50       | 1       | 0         | Fig.57                  | Fig.58 |
| CP-OFDM QPSK | 3575.01                 | 638334     | 50       | 1       | 132       | Fig.59                  | Fig.60 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 50       | 133     | 0         | Fig.61                  | Fig.62 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 50       | 1       | 0         | Fig.63                  | Fig.64 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 50       | 1       | 132       | Fig.65                  | Fig.66 |
| CP-OFDM QPSK | 3675                    | 645000     | 50       | 133     | 0         | Fig.67                  | Fig.68 |
| CP-OFDM QPSK | 3675                    | 645000     | 50       | 1       | 0         | Fig.69                  | Fig.70 |
| CP-OFDM QPSK | 3675                    | 645000     | 50       | 1       | 132       | Fig.71                  | Fig.72 |
| CP-OFDM QPSK | 3580.02                 | 638668     | 60       | 162     | 0         | Fig.73                  | Fig.74 |
| CP-OFDM QPSK | 3580.02                 | 638668     | 60       | 1       | 0         | Fig.75                  | Fig.76 |
| CP-OFDM QPSK | 3580.02                 | 638668     | 60       | 1       | 161       | Fig.77                  | Fig.78 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 60       | 162     | 0         | Fig.79                  | Fig.80 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 60       | 1       | 0         | Fig.81                  | Fig.82 |
| CP-OFDM QPSK | 3624.99                 | 641666     | 60       | 1       | 161       | Fig.83                  | Fig.84 |

|              |         |        |     |     |     |         |         |
|--------------|---------|--------|-----|-----|-----|---------|---------|
| CP-OFDM QPSK | 3669.99 | 644666 | 60  | 162 | 0   | Fig.85  | Fig.86  |
| CP-OFDM QPSK | 3669.99 | 644666 | 60  | 1   | 0   | Fig.87  | Fig.88  |
| CP-OFDM QPSK | 3669.99 | 644666 | 60  | 1   | 161 | Fig.89  | Fig.90  |
| CP-OFDM QPSK | 3585    | 639000 | 70  | 189 | 0   | Fig.91  | Fig.92  |
| CP-OFDM QPSK | 3585    | 639000 | 70  | 1   | 0   | Fig.93  | Fig.94  |
| CP-OFDM QPSK | 3585    | 639000 | 70  | 1   | 188 | Fig.95  | Fig.96  |
| CP-OFDM QPSK | 3624.99 | 641666 | 70  | 189 | 0   | Fig.97  | Fig.98  |
| CP-OFDM QPSK | 3624.99 | 641666 | 70  | 1   | 0   | Fig.99  | Fig.100 |
| CP-OFDM QPSK | 3624.99 | 641666 | 70  | 1   | 188 | Fig.101 | Fig.102 |
| CP-OFDM QPSK | 3664.98 | 644332 | 70  | 189 | 0   | Fig.103 | Fig.104 |
| CP-OFDM QPSK | 3664.98 | 644332 | 70  | 1   | 0   | Fig.105 | Fig.106 |
| CP-OFDM QPSK | 3664.98 | 644332 | 70  | 1   | 188 | Fig.107 | Fig.108 |
| CP-OFDM QPSK | 3590.01 | 639334 | 80  | 217 | 0   | Fig.109 | Fig.110 |
| CP-OFDM QPSK | 3590.01 | 639334 | 80  | 1   | 0   | Fig.111 | Fig.112 |
| CP-OFDM QPSK | 3590.01 | 639334 | 80  | 1   | 216 | Fig.113 | Fig.114 |
| CP-OFDM QPSK | 3624.99 | 641666 | 80  | 217 | 0   | Fig.115 | Fig.116 |
| CP-OFDM QPSK | 3624.99 | 641666 | 80  | 1   | 0   | Fig.117 | Fig.118 |
| CP-OFDM QPSK | 3624.99 | 641666 | 80  | 1   | 216 | Fig.119 | Fig.120 |
| CP-OFDM QPSK | 3660    | 644000 | 80  | 217 | 0   | Fig.121 | Fig.122 |
| CP-OFDM QPSK | 3660    | 644000 | 80  | 1   | 0   | Fig.123 | Fig.124 |
| CP-OFDM QPSK | 3660    | 644000 | 80  | 1   | 216 | Fig.125 | Fig.126 |
| CP-OFDM QPSK | 3595.02 | 639668 | 90  | 245 | 0   | Fig.127 | Fig.128 |
| CP-OFDM QPSK | 3595.02 | 639668 | 90  | 1   | 0   | Fig.129 | Fig.130 |
| CP-OFDM QPSK | 3595.02 | 639668 | 90  | 1   | 244 | Fig.131 | Fig.132 |
| CP-OFDM QPSK | 3624.99 | 641666 | 90  | 245 | 0   | Fig.133 | Fig.134 |
| CP-OFDM QPSK | 3624.99 | 641666 | 90  | 1   | 0   | Fig.135 | Fig.136 |
| CP-OFDM QPSK | 3624.99 | 641666 | 90  | 1   | 244 | Fig.137 | Fig.138 |
| CP-OFDM QPSK | 3654.99 | 643666 | 90  | 245 | 0   | Fig.139 | Fig.140 |
| CP-OFDM QPSK | 3654.99 | 643666 | 90  | 1   | 0   | Fig.141 | Fig.142 |
| CP-OFDM QPSK | 3654.99 | 643666 | 90  | 1   | 244 | Fig.143 | Fig.144 |
| CP-OFDM QPSK | 3600    | 640000 | 100 | 273 | 0   | Fig.145 | Fig.146 |
| CP-OFDM QPSK | 3600    | 640000 | 100 | 1   | 0   | Fig.147 | Fig.148 |
| CP-OFDM QPSK | 3600    | 640000 | 100 | 1   | 272 | Fig.149 | Fig.150 |
| CP-OFDM QPSK | 3624.99 | 641666 | 100 | 273 | 0   | Fig.151 | Fig.152 |
| CP-OFDM QPSK | 3624.99 | 641666 | 100 | 1   | 0   | Fig.153 | Fig.154 |
| CP-OFDM QPSK | 3624.99 | 641666 | 100 | 1   | 272 | Fig.155 | Fig.156 |
| CP-OFDM QPSK | 3649.98 | 643332 | 100 | 273 | 0   | Fig.157 | Fig.158 |
| CP-OFDM QPSK | 3649.98 | 643332 | 100 | 1   | 0   | Fig.159 | Fig.160 |
| CP-OFDM QPSK | 3649.98 | 643332 | 100 | 1   | 272 | Fig.161 | Fig.162 |

Test Plot:

|  |  |
|--|--|
|  |  |
|--|--|

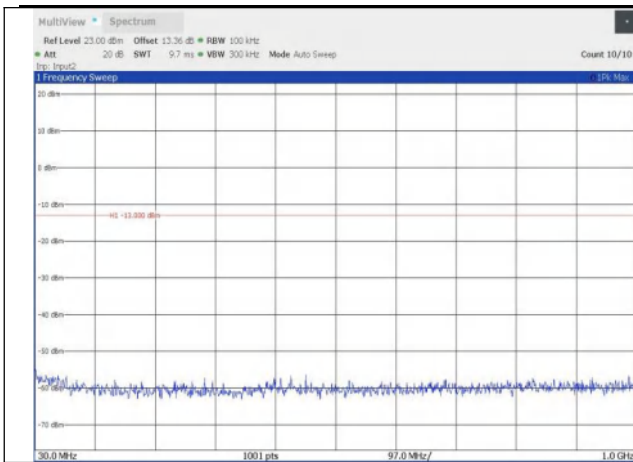


Fig.1

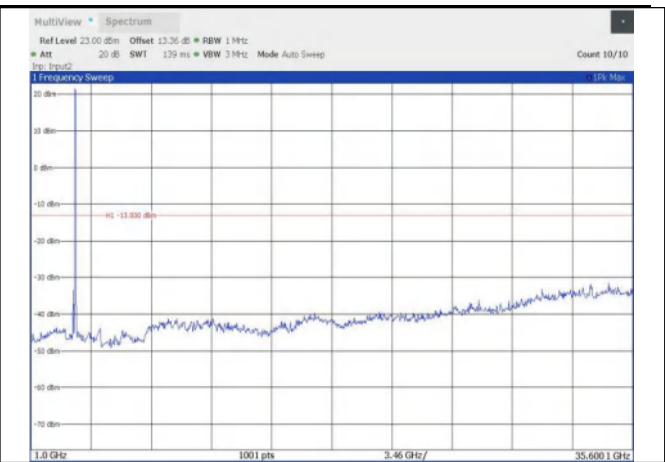


Fig.2

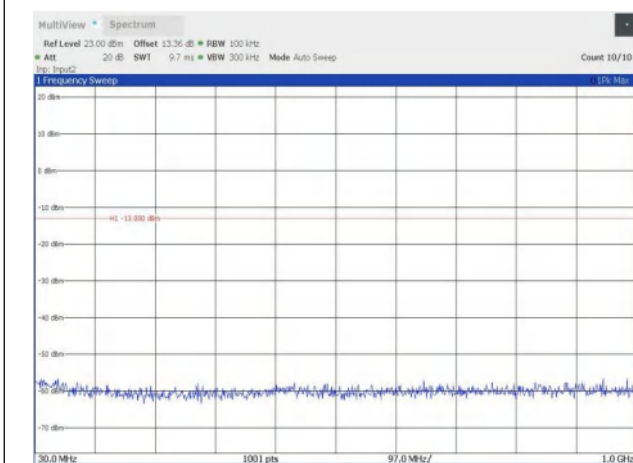


Fig.3

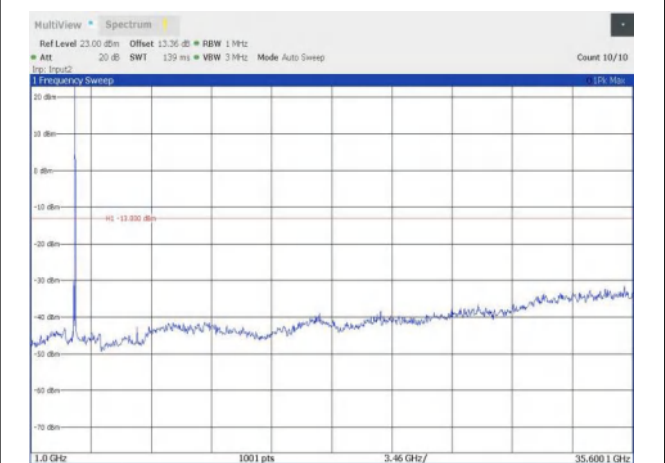


Fig.4

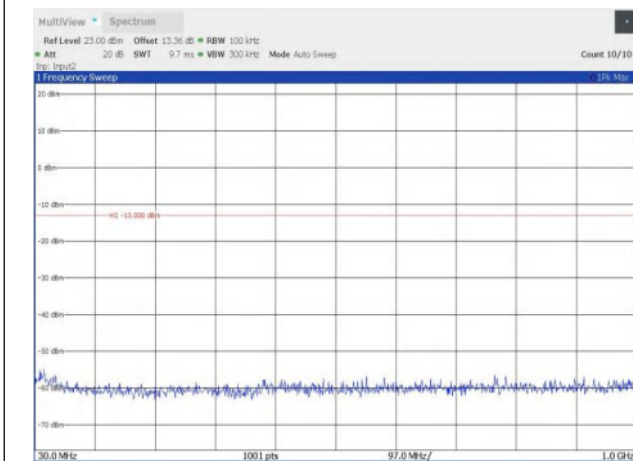


Fig.5

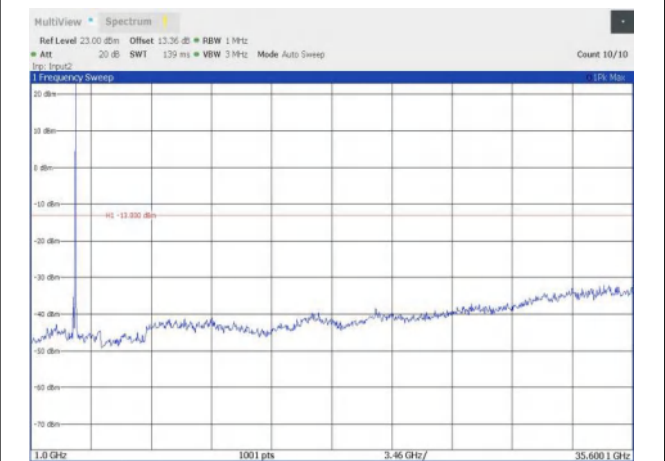
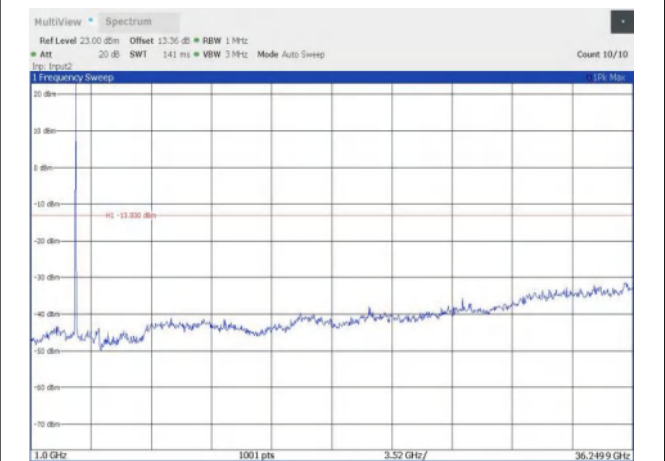
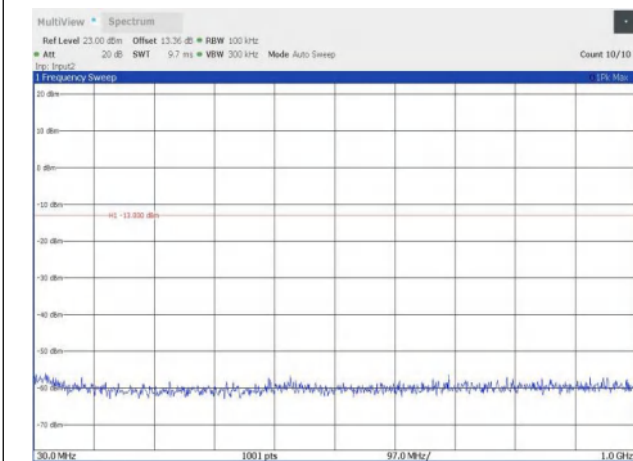
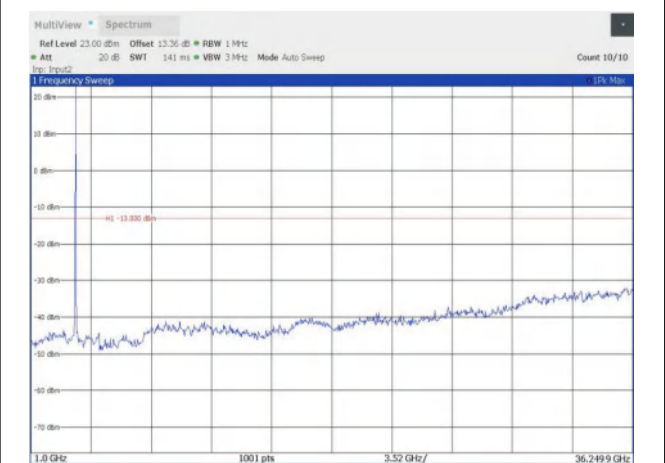
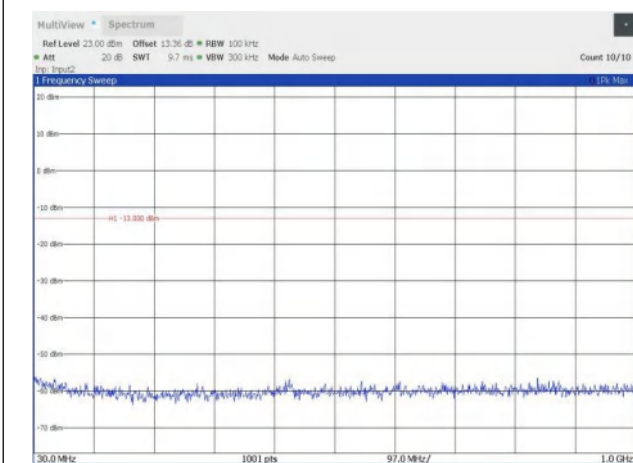
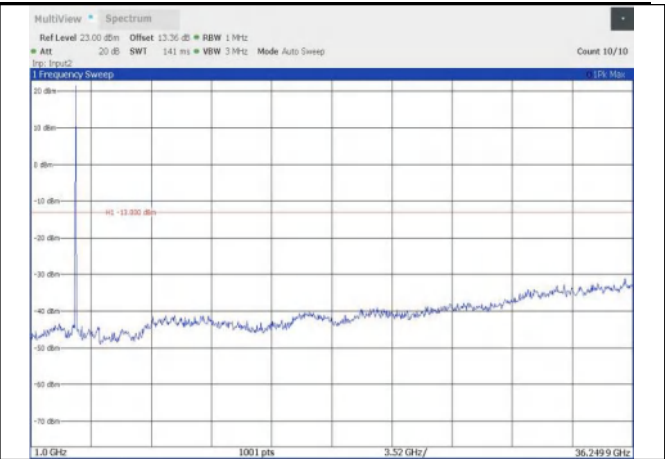
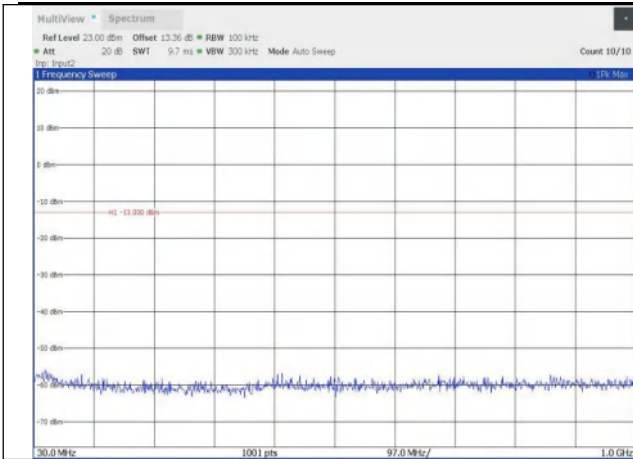
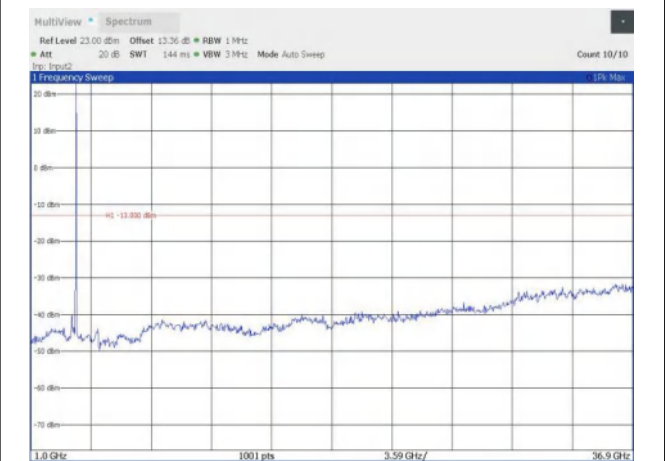
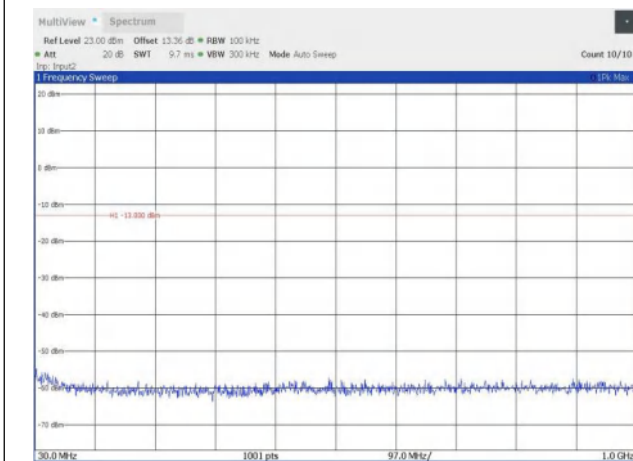
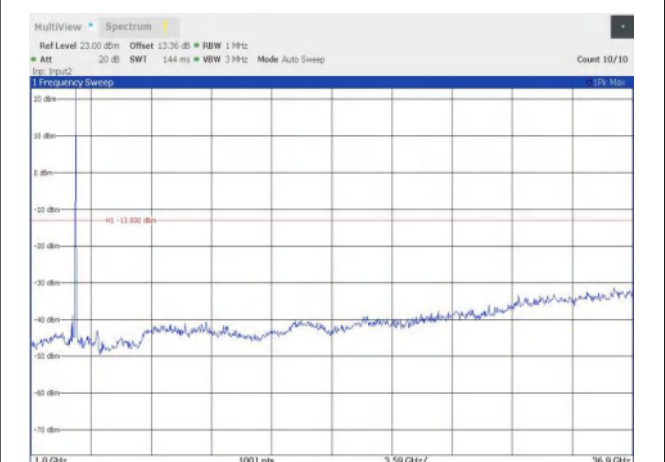
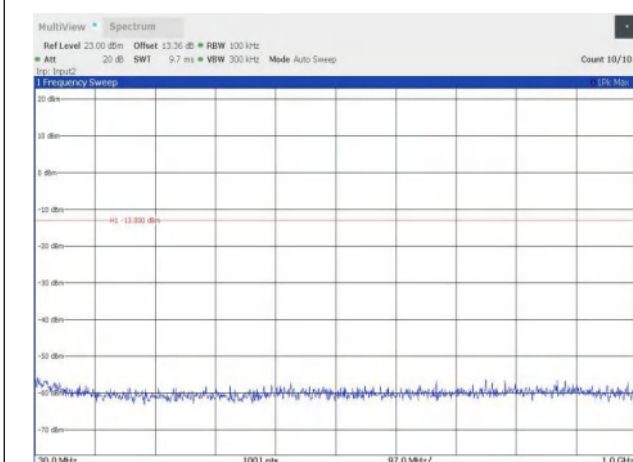
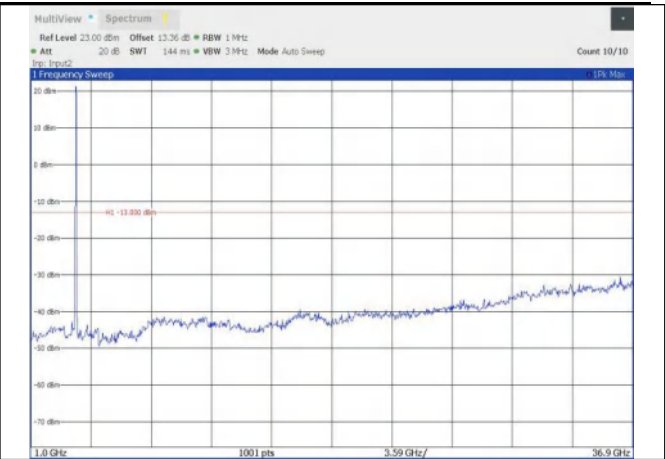
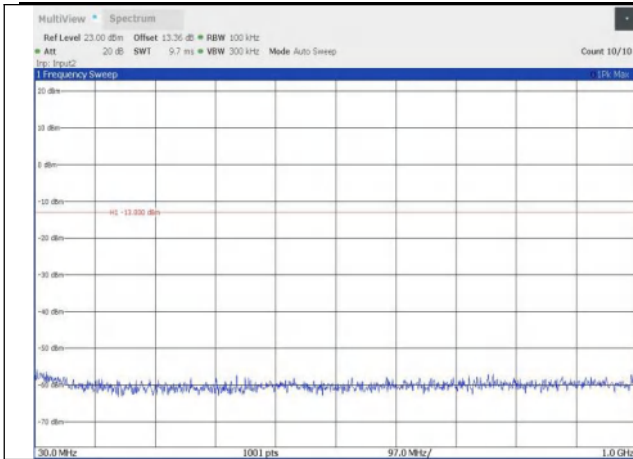


Fig.6





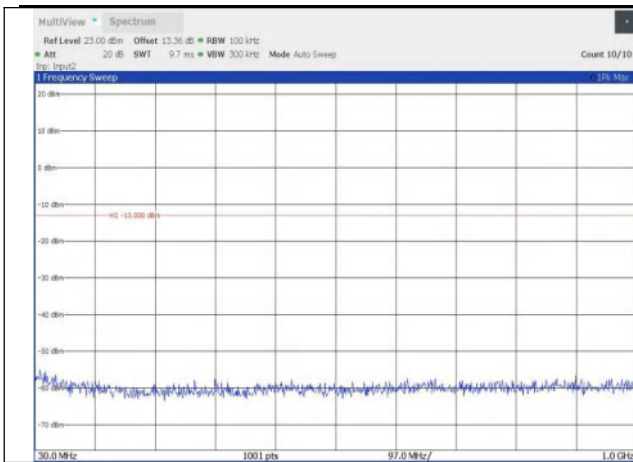


Fig.19

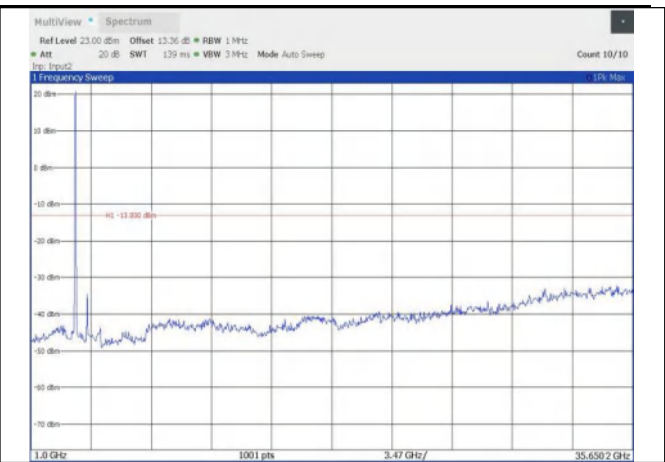


Fig.20

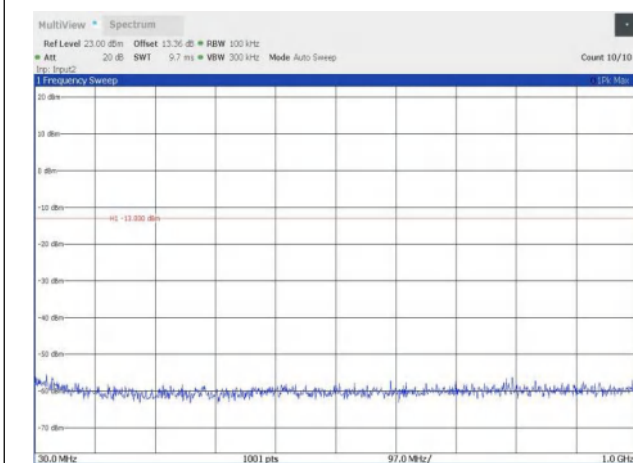


Fig.21

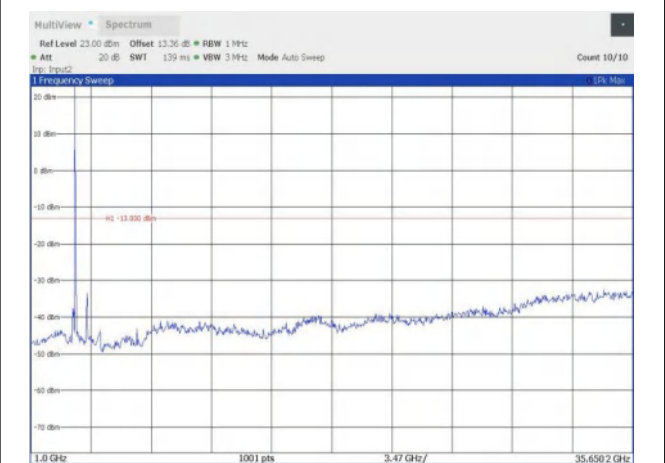


Fig.22

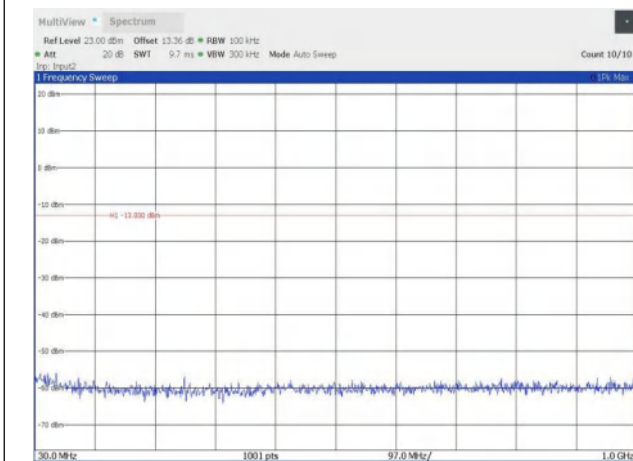


Fig.23

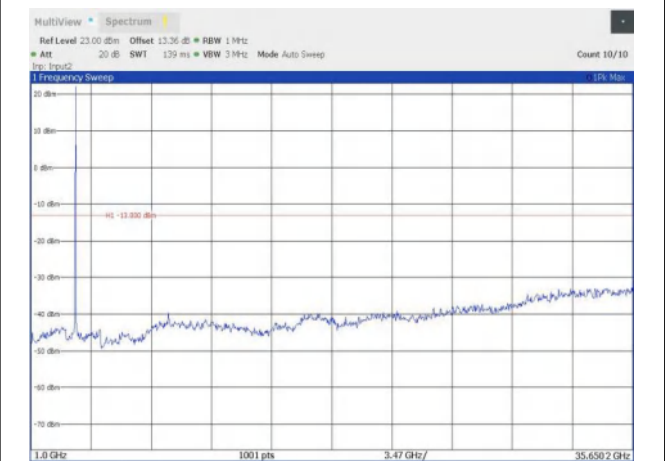


Fig.24

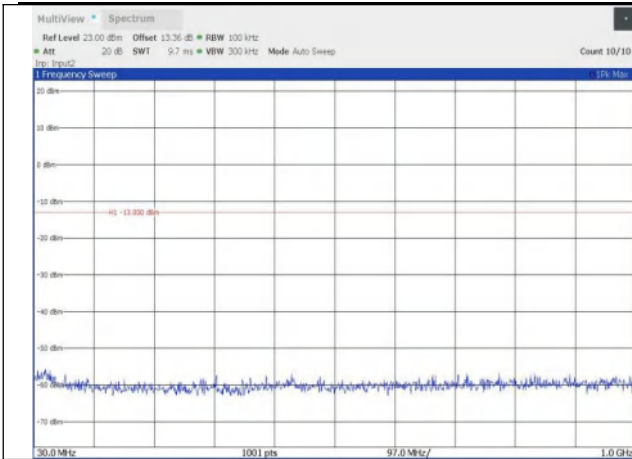


Fig.25

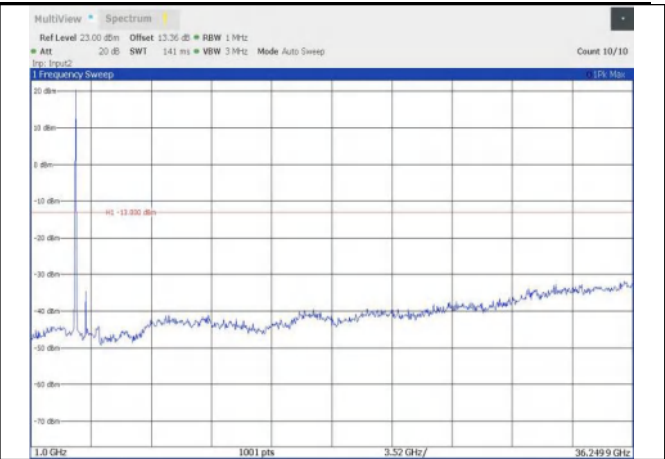


Fig.26

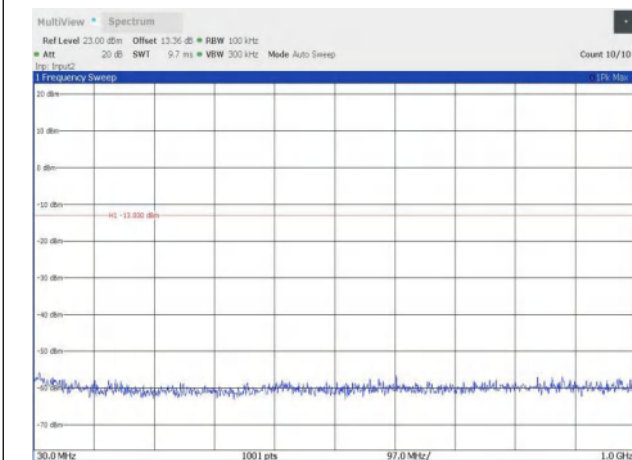


Fig.27

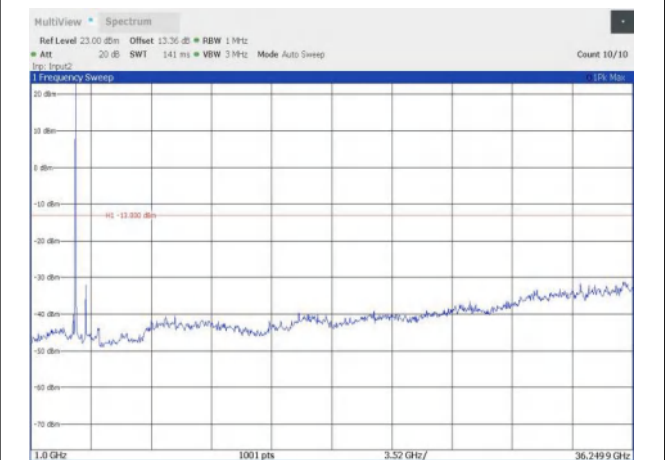


Fig.28

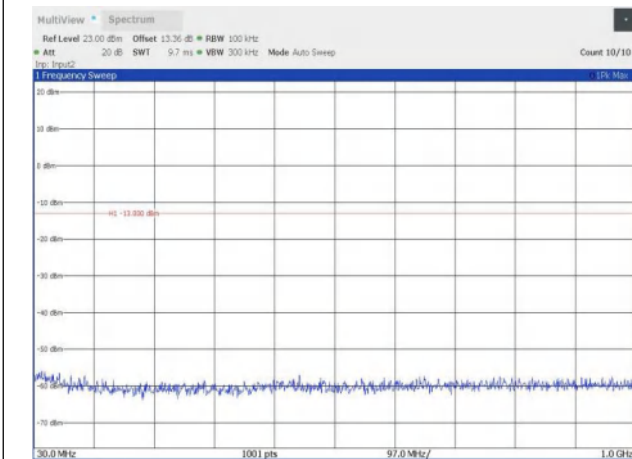


Fig.29

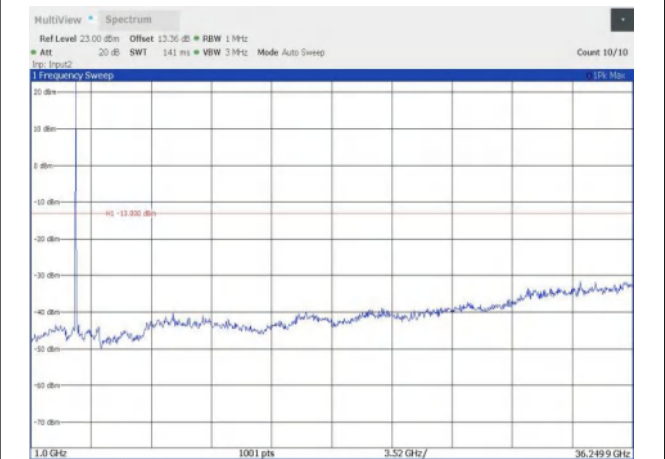


Fig.30

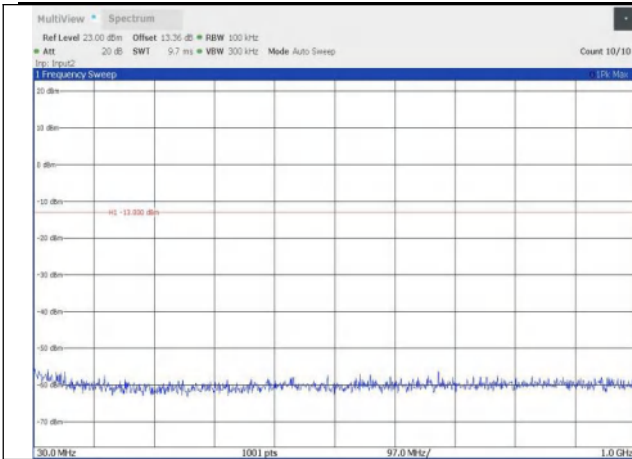


Fig.31

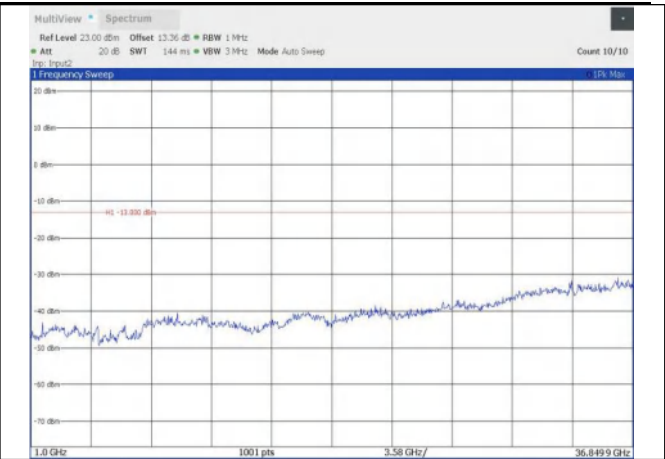


Fig.32

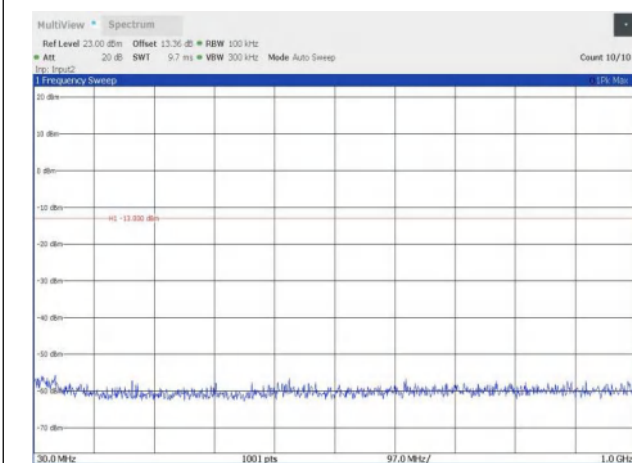


Fig.33

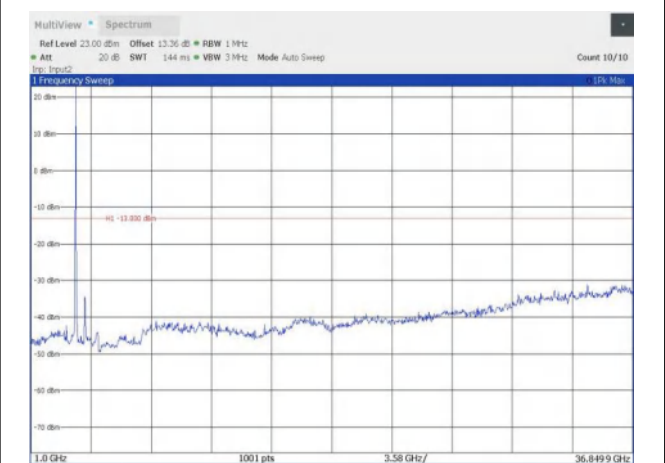


Fig.34

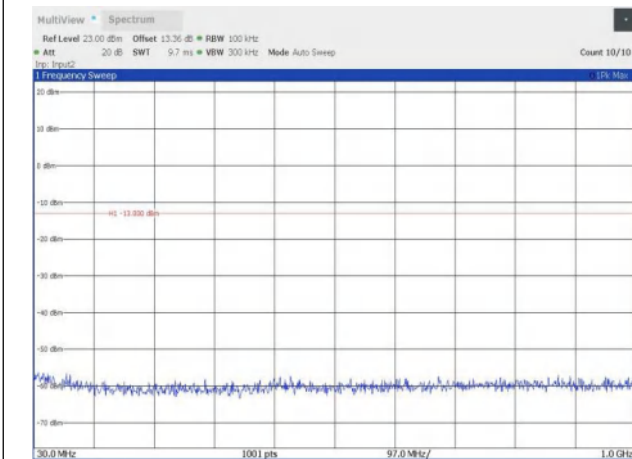


Fig.35

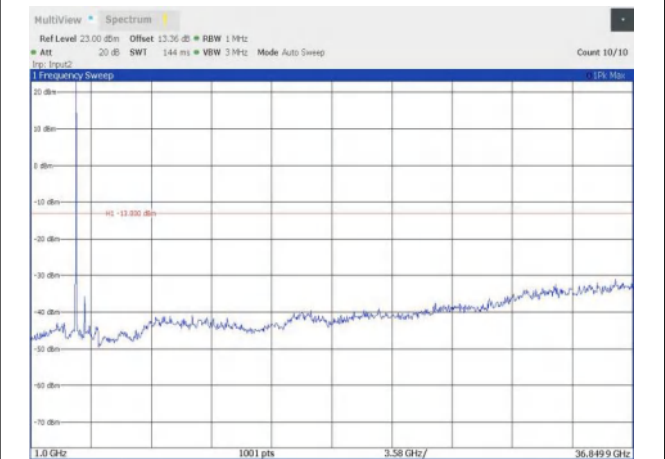


Fig.36