

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

### N41(2496-2690)

#### 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 | 2506.02                 | 501204     | 20       | 25      | 12        | 24.42                 |
| DFT-s-OFDM PI/2 BPSK | 2506.02                 | 501204     | 20       | 1       | 1         | 25.61                 |
| DFT-s-OFDM PI/2 BPSK | 2506.02                 | 501204     | 20       | 1       | 49        | 25.59                 |
| DFT-s-OFDM PI/2 BPSK | 2506.02                 | 501204     | 20       | 50      | 0         | 24.44                 |
| DFT-s-OFDM QPSK      | 2506.02                 | 501204     | 20       | 25      | 12        | 25.17                 |
| DFT-s-OFDM QPSK      | 2506.02                 | 501204     | 20       | 1       | 1         | 25.60                 |
| DFT-s-OFDM QPSK      | 2506.02                 | 501204     | 20       | 1       | 49        | 25.68                 |
| DFT-s-OFDM QPSK      | 2506.02                 | 501204     | 20       | 50      | 0         | 24.44                 |
| DFT-s-OFDM 16QAM     | 2506.02                 | 501204     | 20       | 25      | 12        | 24.20                 |
| DFT-s-OFDM 16QAM     | 2506.02                 | 501204     | 20       | 1       | 1         | 24.60                 |
| DFT-s-OFDM 16QAM     | 2506.02                 | 501204     | 20       | 1       | 49        | 24.68                 |
| DFT-s-OFDM 16QAM     | 2506.02                 | 501204     | 20       | 50      | 0         | 23.39                 |
| DFT-s-OFDM 64QAM     | 2506.02                 | 501204     | 20       | 25      | 12        | 22.70                 |
| DFT-s-OFDM 64QAM     | 2506.02                 | 501204     | 20       | 1       | 1         | 23.01                 |
| DFT-s-OFDM 64QAM     | 2506.02                 | 501204     | 20       | 1       | 49        | 22.96                 |
| DFT-s-OFDM 64QAM     | 2506.02                 | 501204     | 20       | 50      | 0         | 22.96                 |
| DFT-s-OFDM 256QAM    | 2506.02                 | 501204     | 20       | 25      | 12        | 20.67                 |
| DFT-s-OFDM 256QAM    | 2506.02                 | 501204     | 20       | 1       | 1         | 21.10                 |
| DFT-s-OFDM 256QAM    | 2506.02                 | 501204     | 20       | 1       | 49        | 21.16                 |
| DFT-s-OFDM 256QAM    | 2506.02                 | 501204     | 20       | 50      | 0         | 20.87                 |
| CP-OFDM QPSK         | 2506.02                 | 501204     | 20       | 25      | 12        | 23.63                 |
| CP-OFDM QPSK         | 2506.02                 | 501204     | 20       | 1       | 1         | 24.36                 |
| CP-OFDM QPSK         | 2506.02                 | 501204     | 20       | 1       | 49        | 24.37                 |
| CP-OFDM QPSK         | 2506.02                 | 501204     | 20       | 51      | 0         | 22.42                 |
| CP-OFDM 16QAM        | 2506.02                 | 501204     | 20       | 25      | 12        | 23.19                 |
| CP-OFDM 16QAM        | 2506.02                 | 501204     | 20       | 1       | 1         | 23.90                 |
| CP-OFDM 16QAM        | 2506.02                 | 501204     | 20       | 1       | 49        | 23.84                 |
| CP-OFDM 16QAM        | 2506.02                 | 501204     | 20       | 51      | 0         | 22.40                 |
| CP-OFDM 64QAM        | 2506.02                 | 501204     | 20       | 25      | 12        | 21.75                 |
| CP-OFDM 64QAM        | 2506.02                 | 501204     | 20       | 1       | 1         | 21.93                 |
| CP-OFDM 64QAM        | 2506.02                 | 501204     | 20       | 1       | 49        | 21.93                 |
| CP-OFDM 64QAM        | 2506.02                 | 501204     | 20       | 51      | 0         | 21.99                 |
| CP-OFDM 256QAM       | 2506.02                 | 501204     | 20       | 25      | 12        | 18.64                 |
| CP-OFDM 256QAM       | 2506.02                 | 501204     | 20       | 1       | 1         | 19.18                 |
| CP-OFDM 256QAM       | 2506.02                 | 501204     | 20       | 1       | 49        | 19.25                 |
| CP-OFDM 256QAM       | 2506.02                 | 501204     | 20       | 51      | 0         | 18.90                 |
| DFT-s-OFDM PI/2 BPSK | 2592.99                 | 518598     | 20       | 25      | 12        | 25.18                 |
| DFT-s-OFDM PI/2 BPSK | 2592.99                 | 518598     | 20       | 1       | 1         | 26.08                 |
| DFT-s-OFDM PI/2 BPSK | 2592.99                 | 518598     | 20       | 1       | 49        | 26.31                 |
| DFT-s-OFDM PI/2 BPSK | 2592.99                 | 518598     | 20       | 50      | 0         | 25.16                 |
| DFT-s-OFDM QPSK      | 2592.99                 | 518598     | 20       | 25      | 12        | 26.11                 |

|                      |         |        |    |    |    |       |
|----------------------|---------|--------|----|----|----|-------|
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 20 | 1  | 1  | 26.11 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 20 | 1  | 49 | 26.33 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 20 | 50 | 0  | 25.18 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 20 | 25 | 12 | 25.18 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 20 | 1  | 1  | 25.17 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 20 | 1  | 49 | 25.32 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 20 | 50 | 0  | 24.14 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 20 | 25 | 12 | 23.64 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 20 | 1  | 1  | 23.19 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 20 | 1  | 49 | 23.54 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 20 | 50 | 0  | 23.71 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 20 | 25 | 12 | 21.46 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 20 | 1  | 1  | 21.49 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 20 | 1  | 49 | 21.83 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 20 | 50 | 0  | 21.66 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 20 | 25 | 12 | 24.57 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 20 | 1  | 1  | 24.81 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 20 | 1  | 49 | 25.00 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 20 | 51 | 0  | 23.21 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 20 | 25 | 12 | 24.15 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 20 | 1  | 1  | 24.28 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 20 | 1  | 49 | 24.32 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 20 | 51 | 0  | 23.13 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 20 | 25 | 12 | 22.63 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 20 | 1  | 1  | 22.37 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 20 | 1  | 49 | 22.51 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 20 | 51 | 0  | 22.73 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 20 | 25 | 12 | 19.61 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 20 | 1  | 1  | 19.48 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 20 | 1  | 49 | 19.81 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 20 | 51 | 0  | 19.69 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 25 | 12 | 25.64 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1  | 1  | 26.42 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 1  | 49 | 26.81 |
| DFT-s-OFDM PI/2 BPSK | 2679.99 | 535998 | 20 | 50 | 0  | 25.70 |
| DFT-s-OFDM QPSK      | 2679.99 | 535998 | 20 | 25 | 12 | 26.58 |
| DFT-s-OFDM QPSK      | 2679.99 | 535998 | 20 | 1  | 1  | 26.41 |
| DFT-s-OFDM QPSK      | 2679.99 | 535998 | 20 | 1  | 49 | 26.84 |
| DFT-s-OFDM QPSK      | 2679.99 | 535998 | 20 | 50 | 0  | 25.64 |
| DFT-s-OFDM 16QAM     | 2679.99 | 535998 | 20 | 25 | 12 | 25.66 |
| DFT-s-OFDM 16QAM     | 2679.99 | 535998 | 20 | 1  | 1  | 25.49 |
| DFT-s-OFDM 16QAM     | 2679.99 | 535998 | 20 | 1  | 49 | 25.91 |
| DFT-s-OFDM 16QAM     | 2679.99 | 535998 | 20 | 50 | 0  | 24.61 |
| DFT-s-OFDM 64QAM     | 2679.99 | 535998 | 20 | 25 | 12 | 24.11 |
| DFT-s-OFDM 64QAM     | 2679.99 | 535998 | 20 | 1  | 1  | 23.58 |
| DFT-s-OFDM 64QAM     | 2679.99 | 535998 | 20 | 1  | 49 | 24.09 |

|                   |         |        |    |    |    |       |
|-------------------|---------|--------|----|----|----|-------|
| DFT-s-OFDM 64QAM  | 2679.99 | 535998 | 20 | 50 | 0  | 24.20 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 25 | 12 | 21.95 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 1  | 1  | 21.99 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 1  | 49 | 22.32 |
| DFT-s-OFDM 256QAM | 2679.99 | 535998 | 20 | 50 | 0  | 22.13 |
| CP-OFDM QPSK      | 2679.99 | 535998 | 20 | 25 | 12 | 25.12 |
| CP-OFDM QPSK      | 2679.99 | 535998 | 20 | 1  | 1  | 25.15 |
| CP-OFDM QPSK      | 2679.99 | 535998 | 20 | 1  | 49 | 25.42 |
| CP-OFDM QPSK      | 2679.99 | 535998 | 20 | 51 | 0  | 23.68 |
| CP-OFDM 16QAM     | 2679.99 | 535998 | 20 | 25 | 12 | 24.65 |
| CP-OFDM 16QAM     | 2679.99 | 535998 | 20 | 1  | 1  | 24.57 |
| CP-OFDM 16QAM     | 2679.99 | 535998 | 20 | 1  | 49 | 25.00 |
| CP-OFDM 16QAM     | 2679.99 | 535998 | 20 | 51 | 0  | 23.69 |
| CP-OFDM 64QAM     | 2679.99 | 535998 | 20 | 25 | 12 | 23.08 |
| CP-OFDM 64QAM     | 2679.99 | 535998 | 20 | 1  | 1  | 22.75 |
| CP-OFDM 64QAM     | 2679.99 | 535998 | 20 | 1  | 49 | 23.13 |
| CP-OFDM 64QAM     | 2679.99 | 535998 | 20 | 51 | 0  | 23.19 |
| CP-OFDM 256QAM    | 2679.99 | 535998 | 20 | 25 | 12 | 20.11 |
| CP-OFDM 256QAM    | 2679.99 | 535998 | 20 | 1  | 1  | 19.82 |
| CP-OFDM 256QAM    | 2679.99 | 535998 | 20 | 1  | 49 | 20.19 |
| CP-OFDM 256QAM    | 2679.99 | 535998 | 20 | 51 | 0  | 20.13 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2511                    | 502200     | 30       | 36      | 18        | 24.67                 |
| DFT-s-OFDM PI/2 BPSK | 2511                    | 502200     | 30       | 1       | 1         | 25.79                 |
| DFT-s-OFDM PI/2 BPSK | 2511                    | 502200     | 30       | 1       | 76        | 25.88                 |
| DFT-s-OFDM PI/2 BPSK | 2511                    | 502200     | 30       | 75      | 0         | 24.68                 |
| DFT-s-OFDM QPSK      | 2511                    | 502200     | 30       | 36      | 18        | 25.38                 |
| DFT-s-OFDM QPSK      | 2511                    | 502200     | 30       | 1       | 1         | 25.86                 |
| DFT-s-OFDM QPSK      | 2511                    | 502200     | 30       | 1       | 76        | 25.98                 |
| DFT-s-OFDM QPSK      | 2511                    | 502200     | 30       | 75      | 0         | 24.70                 |
| DFT-s-OFDM 16QAM     | 2511                    | 502200     | 30       | 36      | 18        | 24.40                 |
| DFT-s-OFDM 16QAM     | 2511                    | 502200     | 30       | 1       | 1         | 24.77                 |
| DFT-s-OFDM 16QAM     | 2511                    | 502200     | 30       | 1       | 76        | 24.83                 |
| DFT-s-OFDM 16QAM     | 2511                    | 502200     | 30       | 75      | 0         | 23.60                 |
| DFT-s-OFDM 64QAM     | 2511                    | 502200     | 30       | 36      | 18        | 22.89                 |
| DFT-s-OFDM 64QAM     | 2511                    | 502200     | 30       | 1       | 1         | 23.05                 |
| DFT-s-OFDM 64QAM     | 2511                    | 502200     | 30       | 1       | 76        | 23.10                 |
| DFT-s-OFDM 64QAM     | 2511                    | 502200     | 30       | 75      | 0         | 23.20                 |
| DFT-s-OFDM 256QAM    | 2511                    | 502200     | 30       | 36      | 18        | 20.89                 |
| DFT-s-OFDM 256QAM    | 2511                    | 502200     | 30       | 1       | 1         | 21.33                 |
| DFT-s-OFDM 256QAM    | 2511                    | 502200     | 30       | 1       | 76        | 21.40                 |
| DFT-s-OFDM 256QAM    | 2511                    | 502200     | 30       | 75      | 0         | 21.17                 |
| CP-OFDM QPSK         | 2511                    | 502200     | 30       | 39      | 19        | 24.05                 |
| CP-OFDM QPSK         | 2511                    | 502200     | 30       | 1       | 1         | 24.28                 |

|                      |         |        |    |    |    |       |
|----------------------|---------|--------|----|----|----|-------|
| CP-OFDM QPSK         | 2511    | 502200 | 30 | 1  | 76 | 24.38 |
| CP-OFDM QPSK         | 2511    | 502200 | 30 | 78 | 0  | 22.73 |
| CP-OFDM 16QAM        | 2511    | 502200 | 30 | 39 | 19 | 23.56 |
| CP-OFDM 16QAM        | 2511    | 502200 | 30 | 1  | 1  | 24.06 |
| CP-OFDM 16QAM        | 2511    | 502200 | 30 | 1  | 76 | 23.93 |
| CP-OFDM 16QAM        | 2511    | 502200 | 30 | 78 | 0  | 22.66 |
| CP-OFDM 64QAM        | 2511    | 502200 | 30 | 39 | 19 | 22.14 |
| CP-OFDM 64QAM        | 2511    | 502200 | 30 | 1  | 1  | 22.06 |
| CP-OFDM 64QAM        | 2511    | 502200 | 30 | 1  | 76 | 21.93 |
| CP-OFDM 64QAM        | 2511    | 502200 | 30 | 78 | 0  | 22.26 |
| CP-OFDM 256QAM       | 2511    | 502200 | 30 | 39 | 19 | 19.06 |
| CP-OFDM 256QAM       | 2511    | 502200 | 30 | 1  | 1  | 19.35 |
| CP-OFDM 256QAM       | 2511    | 502200 | 30 | 1  | 76 | 19.40 |
| CP-OFDM 256QAM       | 2511    | 502200 | 30 | 78 | 0  | 19.17 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 36 | 18 | 25.21 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1  | 1  | 26.26 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 1  | 76 | 26.26 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 30 | 75 | 0  | 25.23 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 30 | 36 | 18 | 26.09 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 30 | 1  | 1  | 26.21 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 30 | 1  | 76 | 26.34 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 30 | 75 | 0  | 25.22 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 30 | 36 | 18 | 25.09 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 30 | 1  | 1  | 25.26 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 30 | 1  | 76 | 25.18 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 30 | 75 | 0  | 24.22 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 30 | 36 | 18 | 23.60 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 30 | 1  | 1  | 23.48 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 30 | 1  | 76 | 23.36 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 30 | 75 | 0  | 23.71 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 30 | 36 | 18 | 21.60 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 30 | 1  | 1  | 21.84 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 30 | 1  | 76 | 21.67 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 30 | 75 | 0  | 21.72 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 30 | 39 | 19 | 24.61 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 30 | 1  | 1  | 24.91 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 30 | 1  | 76 | 24.78 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 30 | 78 | 0  | 23.32 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 30 | 39 | 19 | 24.07 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 30 | 1  | 1  | 24.43 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 30 | 1  | 76 | 24.57 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 30 | 78 | 0  | 23.22 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 30 | 39 | 19 | 22.69 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 30 | 1  | 1  | 22.45 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 30 | 1  | 76 | 22.39 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 30 | 78 | 0  | 22.72 |

|                      |         |        |    |    |    |       |
|----------------------|---------|--------|----|----|----|-------|
| CP-OFDM 256QAM       | 2592.99 | 518598 | 30 | 39 | 19 | 19.67 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 30 | 1  | 1  | 19.81 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 30 | 1  | 76 | 19.91 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 30 | 78 | 0  | 19.75 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 36 | 18 | 25.54 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1  | 1  | 26.45 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 1  | 76 | 26.78 |
| DFT-s-OFDM PI/2 BPSK | 2674.98 | 534996 | 30 | 75 | 0  | 25.48 |
| DFT-s-OFDM QPSK      | 2674.98 | 534996 | 30 | 36 | 18 | 26.31 |
| DFT-s-OFDM QPSK      | 2674.98 | 534996 | 30 | 1  | 1  | 26.59 |
| DFT-s-OFDM QPSK      | 2674.98 | 534996 | 30 | 1  | 76 | 26.87 |
| DFT-s-OFDM QPSK      | 2674.98 | 534996 | 30 | 75 | 0  | 25.55 |
| DFT-s-OFDM 16QAM     | 2674.98 | 534996 | 30 | 36 | 18 | 25.33 |
| DFT-s-OFDM 16QAM     | 2674.98 | 534996 | 30 | 1  | 1  | 25.34 |
| DFT-s-OFDM 16QAM     | 2674.98 | 534996 | 30 | 1  | 76 | 25.87 |
| DFT-s-OFDM 16QAM     | 2674.98 | 534996 | 30 | 75 | 0  | 24.54 |
| DFT-s-OFDM 64QAM     | 2674.98 | 534996 | 30 | 36 | 18 | 23.83 |
| DFT-s-OFDM 64QAM     | 2674.98 | 534996 | 30 | 1  | 1  | 23.51 |
| DFT-s-OFDM 64QAM     | 2674.98 | 534996 | 30 | 1  | 76 | 23.93 |
| DFT-s-OFDM 64QAM     | 2674.98 | 534996 | 30 | 75 | 0  | 24.01 |
| DFT-s-OFDM 256QAM    | 2674.98 | 534996 | 30 | 36 | 18 | 21.83 |
| DFT-s-OFDM 256QAM    | 2674.98 | 534996 | 30 | 1  | 1  | 21.88 |
| DFT-s-OFDM 256QAM    | 2674.98 | 534996 | 30 | 1  | 76 | 22.32 |
| DFT-s-OFDM 256QAM    | 2674.98 | 534996 | 30 | 75 | 0  | 22.00 |
| CP-OFDM QPSK         | 2674.98 | 534996 | 30 | 39 | 19 | 24.82 |
| CP-OFDM QPSK         | 2674.98 | 534996 | 30 | 1  | 1  | 24.85 |
| CP-OFDM QPSK         | 2674.98 | 534996 | 30 | 1  | 76 | 25.29 |
| CP-OFDM QPSK         | 2674.98 | 534996 | 30 | 78 | 0  | 23.53 |
| CP-OFDM 16QAM        | 2674.98 | 534996 | 30 | 39 | 19 | 24.33 |
| CP-OFDM 16QAM        | 2674.98 | 534996 | 30 | 1  | 1  | 24.56 |
| CP-OFDM 16QAM        | 2674.98 | 534996 | 30 | 1  | 76 | 24.85 |
| CP-OFDM 16QAM        | 2674.98 | 534996 | 30 | 78 | 0  | 23.52 |
| CP-OFDM 64QAM        | 2674.98 | 534996 | 30 | 39 | 19 | 22.98 |
| CP-OFDM 64QAM        | 2674.98 | 534996 | 30 | 1  | 1  | 22.65 |
| CP-OFDM 64QAM        | 2674.98 | 534996 | 30 | 1  | 76 | 22.96 |
| CP-OFDM 64QAM        | 2674.98 | 534996 | 30 | 78 | 0  | 23.09 |
| CP-OFDM 256QAM       | 2674.98 | 534996 | 30 | 39 | 19 | 19.91 |
| CP-OFDM 256QAM       | 2674.98 | 534996 | 30 | 1  | 1  | 19.96 |
| CP-OFDM 256QAM       | 2674.98 | 534996 | 30 | 1  | 76 | 20.27 |
| CP-OFDM 256QAM       | 2674.98 | 534996 | 30 | 78 | 0  | 20.10 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2516.01                 | 503202     | 40       | 50      | 25        | 24.54                 |
| DFT-s-OFDM PI/2 BPSK | 2516.01                 | 503202     | 40       | 1       | 1         | 25.85                 |
| DFT-s-OFDM PI/2 BPSK | 2516.01                 | 503202     | 40       | 1       | 104       | 25.73                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM PI/2 BPSK | 2516.01 | 503202 | 40 | 100 | 0   | 24.66 |
| DFT-s-OFDM QPSK      | 2516.01 | 503202 | 40 | 50  | 25  | 25.48 |
| DFT-s-OFDM QPSK      | 2516.01 | 503202 | 40 | 1   | 1   | 25.85 |
| DFT-s-OFDM QPSK      | 2516.01 | 503202 | 40 | 1   | 104 | 25.72 |
| DFT-s-OFDM QPSK      | 2516.01 | 503202 | 40 | 100 | 0   | 24.65 |
| DFT-s-OFDM 16QAM     | 2516.01 | 503202 | 40 | 50  | 25  | 24.55 |
| DFT-s-OFDM 16QAM     | 2516.01 | 503202 | 40 | 1   | 1   | 24.84 |
| DFT-s-OFDM 16QAM     | 2516.01 | 503202 | 40 | 1   | 104 | 24.81 |
| DFT-s-OFDM 16QAM     | 2516.01 | 503202 | 40 | 100 | 0   | 23.67 |
| DFT-s-OFDM 64QAM     | 2516.01 | 503202 | 40 | 50  | 25  | 23.18 |
| DFT-s-OFDM 64QAM     | 2516.01 | 503202 | 40 | 1   | 1   | 22.96 |
| DFT-s-OFDM 64QAM     | 2516.01 | 503202 | 40 | 1   | 104 | 22.89 |
| DFT-s-OFDM 64QAM     | 2516.01 | 503202 | 40 | 100 | 0   | 23.26 |
| DFT-s-OFDM 256QAM    | 2516.01 | 503202 | 40 | 50  | 25  | 21.05 |
| DFT-s-OFDM 256QAM    | 2516.01 | 503202 | 40 | 1   | 1   | 21.23 |
| DFT-s-OFDM 256QAM    | 2516.01 | 503202 | 40 | 1   | 104 | 21.07 |
| DFT-s-OFDM 256QAM    | 2516.01 | 503202 | 40 | 100 | 0   | 21.17 |
| CP-OFDM QPSK         | 2516.01 | 503202 | 40 | 53  | 26  | 24.60 |
| CP-OFDM QPSK         | 2516.01 | 503202 | 40 | 1   | 1   | 24.59 |
| CP-OFDM QPSK         | 2516.01 | 503202 | 40 | 1   | 104 | 24.16 |
| CP-OFDM QPSK         | 2516.01 | 503202 | 40 | 106 | 0   | 22.61 |
| CP-OFDM 16QAM        | 2516.01 | 503202 | 40 | 53  | 26  | 23.70 |
| CP-OFDM 16QAM        | 2516.01 | 503202 | 40 | 1   | 1   | 24.41 |
| CP-OFDM 16QAM        | 2516.01 | 503202 | 40 | 1   | 104 | 23.87 |
| CP-OFDM 16QAM        | 2516.01 | 503202 | 40 | 106 | 0   | 22.60 |
| CP-OFDM 64QAM        | 2516.01 | 503202 | 40 | 53  | 26  | 22.33 |
| CP-OFDM 64QAM        | 2516.01 | 503202 | 40 | 1   | 1   | 22.17 |
| CP-OFDM 64QAM        | 2516.01 | 503202 | 40 | 1   | 104 | 21.85 |
| CP-OFDM 64QAM        | 2516.01 | 503202 | 40 | 106 | 0   | 22.05 |
| CP-OFDM 256QAM       | 2516.01 | 503202 | 40 | 53  | 26  | 19.27 |
| CP-OFDM 256QAM       | 2516.01 | 503202 | 40 | 1   | 1   | 19.28 |
| CP-OFDM 256QAM       | 2516.01 | 503202 | 40 | 1   | 104 | 19.13 |
| CP-OFDM 256QAM       | 2516.01 | 503202 | 40 | 106 | 0   | 19.03 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 50  | 25  | 25.14 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1   | 1   | 26.33 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 1   | 104 | 26.09 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 40 | 100 | 0   | 25.41 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 40 | 50  | 25  | 25.94 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 40 | 1   | 1   | 26.24 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 40 | 1   | 104 | 26.08 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 40 | 100 | 0   | 25.23 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 40 | 50  | 25  | 25.10 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 40 | 1   | 1   | 25.30 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 40 | 1   | 104 | 25.04 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 40 | 100 | 0   | 24.25 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 40 | 50  | 25  | 23.75 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 40 | 1   | 1   | 23.40 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 40 | 1   | 104 | 23.18 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 40 | 100 | 0   | 23.76 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 40 | 50  | 25  | 21.75 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 40 | 1   | 1   | 21.68 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 40 | 1   | 104 | 21.57 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 40 | 100 | 0   | 21.78 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 40 | 53  | 26  | 24.35 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 40 | 1   | 1   | 24.90 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 40 | 1   | 104 | 24.63 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 40 | 106 | 0   | 23.24 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 40 | 53  | 26  | 23.96 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 40 | 1   | 1   | 24.36 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 40 | 1   | 104 | 24.32 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 40 | 106 | 0   | 23.27 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 40 | 53  | 26  | 22.81 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 40 | 1   | 1   | 22.55 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 40 | 1   | 104 | 22.27 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 40 | 106 | 0   | 22.75 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 40 | 53  | 26  | 19.80 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 40 | 1   | 1   | 19.65 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 40 | 1   | 104 | 19.49 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 40 | 106 | 0   | 19.64 |
| DFT-s-OFDM PI/2 BPSK | 2670    | 534000 | 40 | 50  | 25  | 24.81 |
| DFT-s-OFDM PI/2 BPSK | 2670    | 534000 | 40 | 1   | 1   | 26.13 |
| DFT-s-OFDM PI/2 BPSK | 2670    | 534000 | 40 | 1   | 104 | 26.73 |
| DFT-s-OFDM PI/2 BPSK | 2670    | 534000 | 40 | 100 | 0   | 25.43 |
| DFT-s-OFDM QPSK      | 2670    | 534000 | 40 | 50  | 25  | 25.64 |
| DFT-s-OFDM QPSK      | 2670    | 534000 | 40 | 1   | 1   | 26.21 |
| DFT-s-OFDM QPSK      | 2670    | 534000 | 40 | 1   | 104 | 26.65 |
| DFT-s-OFDM QPSK      | 2670    | 534000 | 40 | 100 | 0   | 25.51 |
| DFT-s-OFDM 16QAM     | 2670    | 534000 | 40 | 50  | 25  | 25.39 |
| DFT-s-OFDM 16QAM     | 2670    | 534000 | 40 | 1   | 1   | 25.24 |
| DFT-s-OFDM 16QAM     | 2670    | 534000 | 40 | 1   | 104 | 25.68 |
| DFT-s-OFDM 16QAM     | 2670    | 534000 | 40 | 100 | 0   | 24.39 |
| DFT-s-OFDM 64QAM     | 2670    | 534000 | 40 | 50  | 25  | 23.93 |
| DFT-s-OFDM 64QAM     | 2670    | 534000 | 40 | 1   | 1   | 23.38 |
| DFT-s-OFDM 64QAM     | 2670    | 534000 | 40 | 1   | 104 | 23.75 |
| DFT-s-OFDM 64QAM     | 2670    | 534000 | 40 | 100 | 0   | 23.91 |
| DFT-s-OFDM 256QAM    | 2670    | 534000 | 40 | 50  | 25  | 21.38 |
| DFT-s-OFDM 256QAM    | 2670    | 534000 | 40 | 1   | 1   | 21.64 |
| DFT-s-OFDM 256QAM    | 2670    | 534000 | 40 | 1   | 104 | 22.16 |
| DFT-s-OFDM 256QAM    | 2670    | 534000 | 40 | 100 | 0   | 21.48 |
| CP-OFDM QPSK         | 2670    | 534000 | 40 | 53  | 26  | 24.04 |
| CP-OFDM QPSK         | 2670    | 534000 | 40 | 1   | 1   | 24.89 |
| CP-OFDM QPSK         | 2670    | 534000 | 40 | 1   | 104 | 25.11 |

|                |      |        |    |     |     |       |
|----------------|------|--------|----|-----|-----|-------|
| CP-OFDM QPSK   | 2670 | 534000 | 40 | 106 | 0   | 23.42 |
| CP-OFDM 16QAM  | 2670 | 534000 | 40 | 53  | 26  | 24.25 |
| CP-OFDM 16QAM  | 2670 | 534000 | 40 | 1   | 1   | 24.46 |
| CP-OFDM 16QAM  | 2670 | 534000 | 40 | 1   | 104 | 24.84 |
| CP-OFDM 16QAM  | 2670 | 534000 | 40 | 106 | 0   | 23.15 |
| CP-OFDM 64QAM  | 2670 | 534000 | 40 | 53  | 26  | 22.71 |
| CP-OFDM 64QAM  | 2670 | 534000 | 40 | 1   | 1   | 22.38 |
| CP-OFDM 64QAM  | 2670 | 534000 | 40 | 1   | 104 | 22.92 |
| CP-OFDM 64QAM  | 2670 | 534000 | 40 | 106 | 0   | 22.91 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 53  | 26  | 19.84 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1   | 1   | 19.72 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 1   | 104 | 20.08 |
| CP-OFDM 256QAM | 2670 | 534000 | 40 | 106 | 0   | 19.86 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2521.02                 | 504204     | 50       | 64      | 32        | 24.44                 |
| DFT-s-OFDM PI/2 BPSK | 2521.02                 | 504204     | 50       | 1       | 1         | 25.63                 |
| DFT-s-OFDM PI/2 BPSK | 2521.02                 | 504204     | 50       | 1       | 131       | 25.16                 |
| DFT-s-OFDM PI/2 BPSK | 2521.02                 | 504204     | 50       | 128     | 0         | 24.48                 |
| DFT-s-OFDM QPSK      | 2521.02                 | 504204     | 50       | 64      | 32        | 25.45                 |
| DFT-s-OFDM QPSK      | 2521.02                 | 504204     | 50       | 1       | 1         | 25.62                 |
| DFT-s-OFDM QPSK      | 2521.02                 | 504204     | 50       | 1       | 131       | 25.14                 |
| DFT-s-OFDM QPSK      | 2521.02                 | 504204     | 50       | 128     | 0         | 24.46                 |
| DFT-s-OFDM 16QAM     | 2521.02                 | 504204     | 50       | 64      | 32        | 24.54                 |
| DFT-s-OFDM 16QAM     | 2521.02                 | 504204     | 50       | 1       | 1         | 24.67                 |
| DFT-s-OFDM 16QAM     | 2521.02                 | 504204     | 50       | 1       | 131       | 24.20                 |
| DFT-s-OFDM 16QAM     | 2521.02                 | 504204     | 50       | 128     | 0         | 23.49                 |
| DFT-s-OFDM 64QAM     | 2521.02                 | 504204     | 50       | 64      | 32        | 23.08                 |
| DFT-s-OFDM 64QAM     | 2521.02                 | 504204     | 50       | 1       | 1         | 22.76                 |
| DFT-s-OFDM 64QAM     | 2521.02                 | 504204     | 50       | 1       | 131       | 22.32                 |
| DFT-s-OFDM 64QAM     | 2521.02                 | 504204     | 50       | 128     | 0         | 22.96                 |
| DFT-s-OFDM 256QAM    | 2521.02                 | 504204     | 50       | 64      | 32        | 21.06                 |
| DFT-s-OFDM 256QAM    | 2521.02                 | 504204     | 50       | 1       | 1         | 21.25                 |
| DFT-s-OFDM 256QAM    | 2521.02                 | 504204     | 50       | 1       | 131       | 20.51                 |
| DFT-s-OFDM 256QAM    | 2521.02                 | 504204     | 50       | 128     | 0         | 20.97                 |
| CP-OFDM QPSK         | 2521.02                 | 504204     | 50       | 67      | 33        | 24.04                 |
| CP-OFDM QPSK         | 2521.02                 | 504204     | 50       | 1       | 1         | 24.34                 |
| CP-OFDM QPSK         | 2521.02                 | 504204     | 50       | 1       | 131       | 23.84                 |
| CP-OFDM QPSK         | 2521.02                 | 504204     | 50       | 133     | 0         | 22.41                 |
| CP-OFDM 16QAM        | 2521.02                 | 504204     | 50       | 67      | 33        | 23.61                 |
| CP-OFDM 16QAM        | 2521.02                 | 504204     | 50       | 1       | 1         | 23.74                 |
| CP-OFDM 16QAM        | 2521.02                 | 504204     | 50       | 1       | 131       | 23.45                 |
| CP-OFDM 16QAM        | 2521.02                 | 504204     | 50       | 133     | 0         | 22.49                 |
| CP-OFDM 64QAM        | 2521.02                 | 504204     | 50       | 67      | 33        | 22.08                 |
| CP-OFDM 64QAM        | 2521.02                 | 504204     | 50       | 1       | 1         | 21.79                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 64QAM        | 2521.02 | 504204 | 50 | 1   | 131 | 21.35 |
| CP-OFDM 64QAM        | 2521.02 | 504204 | 50 | 133 | 0   | 21.95 |
| CP-OFDM 256QAM       | 2521.02 | 504204 | 50 | 67  | 33  | 19.09 |
| CP-OFDM 256QAM       | 2521.02 | 504204 | 50 | 1   | 1   | 19.11 |
| CP-OFDM 256QAM       | 2521.02 | 504204 | 50 | 1   | 131 | 18.61 |
| CP-OFDM 256QAM       | 2521.02 | 504204 | 50 | 133 | 0   | 18.94 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 64  | 32  | 25.09 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1   | 1   | 25.98 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 1   | 131 | 26.15 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 128 | 0   | 25.11 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 50 | 64  | 32  | 26.14 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 50 | 1   | 1   | 26.01 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 50 | 1   | 131 | 26.15 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 50 | 128 | 0   | 25.11 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 50 | 64  | 32  | 25.16 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 50 | 1   | 1   | 25.05 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 50 | 1   | 131 | 25.26 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 50 | 128 | 0   | 24.06 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 50 | 64  | 32  | 23.70 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 50 | 1   | 1   | 23.12 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 50 | 1   | 131 | 23.31 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 50 | 128 | 0   | 23.64 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 50 | 64  | 32  | 21.60 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 50 | 1   | 1   | 21.47 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 50 | 1   | 131 | 21.30 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 50 | 128 | 0   | 21.58 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 50 | 67  | 33  | 24.68 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 50 | 1   | 1   | 24.64 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 50 | 1   | 131 | 24.89 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 50 | 133 | 0   | 23.06 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 50 | 67  | 33  | 24.11 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 50 | 1   | 1   | 24.11 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 50 | 1   | 131 | 24.21 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 50 | 133 | 0   | 23.03 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 50 | 67  | 33  | 22.68 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 50 | 1   | 1   | 22.16 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 50 | 1   | 131 | 22.38 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 50 | 133 | 0   | 22.63 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 50 | 67  | 33  | 19.65 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 50 | 1   | 1   | 19.41 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 50 | 1   | 131 | 19.70 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 50 | 133 | 0   | 19.61 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 64  | 32  | 25.22 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1   | 1   | 26.23 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 1   | 131 | 26.51 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 128 | 0   | 25.25 |

|                   |         |        |    |     |     |       |
|-------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM QPSK   | 2664.99 | 532998 | 50 | 64  | 32  | 26.12 |
| DFT-s-OFDM QPSK   | 2664.99 | 532998 | 50 | 1   | 1   | 26.25 |
| DFT-s-OFDM QPSK   | 2664.99 | 532998 | 50 | 1   | 131 | 26.54 |
| DFT-s-OFDM QPSK   | 2664.99 | 532998 | 50 | 128 | 0   | 25.24 |
| DFT-s-OFDM 16QAM  | 2664.99 | 532998 | 50 | 64  | 32  | 25.17 |
| DFT-s-OFDM 16QAM  | 2664.99 | 532998 | 50 | 1   | 1   | 25.33 |
| DFT-s-OFDM 16QAM  | 2664.99 | 532998 | 50 | 1   | 131 | 25.61 |
| DFT-s-OFDM 16QAM  | 2664.99 | 532998 | 50 | 128 | 0   | 24.20 |
| DFT-s-OFDM 64QAM  | 2664.99 | 532998 | 50 | 64  | 32  | 23.76 |
| DFT-s-OFDM 64QAM  | 2664.99 | 532998 | 50 | 1   | 1   | 23.37 |
| DFT-s-OFDM 64QAM  | 2664.99 | 532998 | 50 | 1   | 131 | 23.71 |
| DFT-s-OFDM 64QAM  | 2664.99 | 532998 | 50 | 128 | 0   | 23.79 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 64  | 32  | 23.75 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 1   | 1   | 23.77 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 1   | 131 | 21.92 |
| DFT-s-OFDM 256QAM | 2664.99 | 532998 | 50 | 128 | 0   | 21.76 |
| CP-OFDM QPSK      | 2664.99 | 532998 | 50 | 67  | 33  | 24.65 |
| CP-OFDM QPSK      | 2664.99 | 532998 | 50 | 1   | 1   | 24.81 |
| CP-OFDM QPSK      | 2664.99 | 532998 | 50 | 1   | 131 | 24.98 |
| CP-OFDM QPSK      | 2664.99 | 532998 | 50 | 133 | 0   | 23.21 |
| CP-OFDM 16QAM     | 2664.99 | 532998 | 50 | 67  | 33  | 24.16 |
| CP-OFDM 16QAM     | 2664.99 | 532998 | 50 | 1   | 1   | 24.77 |
| CP-OFDM 16QAM     | 2664.99 | 532998 | 50 | 1   | 131 | 24.99 |
| CP-OFDM 16QAM     | 2664.99 | 532998 | 50 | 133 | 0   | 23.18 |
| CP-OFDM 64QAM     | 2664.99 | 532998 | 50 | 67  | 33  | 22.71 |
| CP-OFDM 64QAM     | 2664.99 | 532998 | 50 | 1   | 1   | 22.43 |
| CP-OFDM 64QAM     | 2664.99 | 532998 | 50 | 1   | 131 | 22.74 |
| CP-OFDM 64QAM     | 2664.99 | 532998 | 50 | 133 | 0   | 22.77 |
| CP-OFDM 256QAM    | 2664.99 | 532998 | 50 | 67  | 33  | 19.68 |
| CP-OFDM 256QAM    | 2664.99 | 532998 | 50 | 1   | 1   | 19.71 |
| CP-OFDM 256QAM    | 2664.99 | 532998 | 50 | 1   | 131 | 19.99 |
| CP-OFDM 256QAM    | 2664.99 | 532998 | 50 | 133 | 0   | 19.72 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2526                    | 505200     | 60       | 81      | 40        | 24.45                 |
| DFT-s-OFDM PI/2 BPSK | 2526                    | 505200     | 60       | 1       | 1         | 25.76                 |
| DFT-s-OFDM PI/2 BPSK | 2526                    | 505200     | 60       | 1       | 160       | 25.36                 |
| DFT-s-OFDM PI/2 BPSK | 2526                    | 505200     | 60       | 162     | 0         | 24.47                 |
| DFT-s-OFDM QPSK      | 2526                    | 505200     | 60       | 81      | 40        | 25.67                 |
| DFT-s-OFDM QPSK      | 2526                    | 505200     | 60       | 1       | 1         | 25.76                 |
| DFT-s-OFDM QPSK      | 2526                    | 505200     | 60       | 1       | 160       | 25.40                 |
| DFT-s-OFDM QPSK      | 2526                    | 505200     | 60       | 162     | 0         | 24.49                 |
| DFT-s-OFDM 16QAM     | 2526                    | 505200     | 60       | 81      | 40        | 24.63                 |
| DFT-s-OFDM 16QAM     | 2526                    | 505200     | 60       | 1       | 1         | 24.83                 |
| DFT-s-OFDM 16QAM     | 2526                    | 505200     | 60       | 1       | 160       | 24.46                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 16QAM     | 2526    | 505200 | 60 | 162 | 0   | 23.50 |
| DFT-s-OFDM 64QAM     | 2526    | 505200 | 60 | 81  | 40  | 23.17 |
| DFT-s-OFDM 64QAM     | 2526    | 505200 | 60 | 1   | 1   | 22.88 |
| DFT-s-OFDM 64QAM     | 2526    | 505200 | 60 | 1   | 160 | 22.54 |
| DFT-s-OFDM 64QAM     | 2526    | 505200 | 60 | 162 | 0   | 22.95 |
| DFT-s-OFDM 256QAM    | 2526    | 505200 | 60 | 81  | 40  | 21.19 |
| DFT-s-OFDM 256QAM    | 2526    | 505200 | 60 | 1   | 1   | 21.23 |
| DFT-s-OFDM 256QAM    | 2526    | 505200 | 60 | 1   | 160 | 20.81 |
| DFT-s-OFDM 256QAM    | 2526    | 505200 | 60 | 162 | 0   | 20.98 |
| CP-OFDM QPSK         | 2526    | 505200 | 60 | 81  | 40  | 24.12 |
| CP-OFDM QPSK         | 2526    | 505200 | 60 | 1   | 1   | 24.46 |
| CP-OFDM QPSK         | 2526    | 505200 | 60 | 1   | 160 | 23.88 |
| CP-OFDM QPSK         | 2526    | 505200 | 60 | 162 | 0   | 22.50 |
| CP-OFDM 16QAM        | 2526    | 505200 | 60 | 81  | 40  | 23.65 |
| CP-OFDM 16QAM        | 2526    | 505200 | 60 | 1   | 1   | 23.79 |
| CP-OFDM 16QAM        | 2526    | 505200 | 60 | 1   | 160 | 23.53 |
| CP-OFDM 16QAM        | 2526    | 505200 | 60 | 162 | 0   | 22.47 |
| CP-OFDM 64QAM        | 2526    | 505200 | 60 | 81  | 40  | 22.23 |
| CP-OFDM 64QAM        | 2526    | 505200 | 60 | 1   | 1   | 21.99 |
| CP-OFDM 64QAM        | 2526    | 505200 | 60 | 1   | 160 | 21.53 |
| CP-OFDM 64QAM        | 2526    | 505200 | 60 | 162 | 0   | 21.96 |
| CP-OFDM 256QAM       | 2526    | 505200 | 60 | 81  | 40  | 19.23 |
| CP-OFDM 256QAM       | 2526    | 505200 | 60 | 1   | 1   | 19.17 |
| CP-OFDM 256QAM       | 2526    | 505200 | 60 | 1   | 160 | 18.78 |
| CP-OFDM 256QAM       | 2526    | 505200 | 60 | 162 | 0   | 18.96 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 81  | 40  | 25.20 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1   | 1   | 26.29 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 1   | 160 | 26.52 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 162 | 0   | 25.15 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 60 | 81  | 40  | 26.11 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 60 | 1   | 1   | 26.17 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 60 | 1   | 160 | 26.41 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 60 | 162 | 0   | 25.23 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 60 | 81  | 40  | 25.11 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 60 | 1   | 1   | 25.25 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 60 | 1   | 160 | 25.39 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 60 | 162 | 0   | 24.17 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 60 | 81  | 40  | 23.67 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 60 | 1   | 1   | 23.36 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 60 | 1   | 160 | 23.56 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 60 | 162 | 0   | 23.74 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 60 | 81  | 40  | 21.63 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 60 | 1   | 1   | 21.77 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 60 | 1   | 160 | 21.88 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 60 | 162 | 0   | 21.70 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 60 | 81  | 40  | 24.59 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM QPSK         | 2592.99 | 518598 | 60 | 1   | 1   | 24.63 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 60 | 1   | 160 | 24.91 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 60 | 162 | 0   | 23.18 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 60 | 81  | 40  | 24.11 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 60 | 1   | 1   | 24.41 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 60 | 1   | 160 | 24.38 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 60 | 162 | 0   | 23.14 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 60 | 81  | 40  | 22.79 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 60 | 1   | 1   | 22.39 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 60 | 1   | 160 | 22.69 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 60 | 162 | 0   | 22.76 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 60 | 81  | 40  | 19.66 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 60 | 1   | 1   | 19.60 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 60 | 1   | 160 | 19.83 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 60 | 162 | 0   | 19.78 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 81  | 40  | 25.07 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1   | 1   | 26.08 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 1   | 160 | 26.24 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 162 | 0   | 25.07 |
| DFT-s-OFDM QPSK      | 2659.98 | 531996 | 60 | 81  | 40  | 25.98 |
| DFT-s-OFDM QPSK      | 2659.98 | 531996 | 60 | 1   | 1   | 25.96 |
| DFT-s-OFDM QPSK      | 2659.98 | 531996 | 60 | 1   | 160 | 26.32 |
| DFT-s-OFDM QPSK      | 2659.98 | 531996 | 60 | 162 | 0   | 25.07 |
| DFT-s-OFDM 16QAM     | 2659.98 | 531996 | 60 | 81  | 40  | 25.05 |
| DFT-s-OFDM 16QAM     | 2659.98 | 531996 | 60 | 1   | 1   | 24.96 |
| DFT-s-OFDM 16QAM     | 2659.98 | 531996 | 60 | 1   | 160 | 25.08 |
| DFT-s-OFDM 16QAM     | 2659.98 | 531996 | 60 | 162 | 0   | 24.09 |
| DFT-s-OFDM 64QAM     | 2659.98 | 531996 | 60 | 81  | 40  | 23.51 |
| DFT-s-OFDM 64QAM     | 2659.98 | 531996 | 60 | 1   | 1   | 23.11 |
| DFT-s-OFDM 64QAM     | 2659.98 | 531996 | 60 | 1   | 160 | 23.45 |
| DFT-s-OFDM 64QAM     | 2659.98 | 531996 | 60 | 162 | 0   | 23.60 |
| DFT-s-OFDM 256QAM    | 2659.98 | 531996 | 60 | 81  | 40  | 23.64 |
| DFT-s-OFDM 256QAM    | 2659.98 | 531996 | 60 | 1   | 1   | 21.38 |
| DFT-s-OFDM 256QAM    | 2659.98 | 531996 | 60 | 1   | 160 | 21.41 |
| DFT-s-OFDM 256QAM    | 2659.98 | 531996 | 60 | 162 | 0   | 21.59 |
| CP-OFDM QPSK         | 2659.98 | 531996 | 60 | 81  | 40  | 24.53 |
| CP-OFDM QPSK         | 2659.98 | 531996 | 60 | 1   | 1   | 24.23 |
| CP-OFDM QPSK         | 2659.98 | 531996 | 60 | 1   | 160 | 24.96 |
| CP-OFDM QPSK         | 2659.98 | 531996 | 60 | 162 | 0   | 23.10 |
| CP-OFDM 16QAM        | 2659.98 | 531996 | 60 | 81  | 40  | 24.01 |
| CP-OFDM 16QAM        | 2659.98 | 531996 | 60 | 1   | 1   | 24.09 |
| CP-OFDM 16QAM        | 2659.98 | 531996 | 60 | 1   | 160 | 24.31 |
| CP-OFDM 16QAM        | 2659.98 | 531996 | 60 | 162 | 0   | 23.06 |
| CP-OFDM 64QAM        | 2659.98 | 531996 | 60 | 81  | 40  | 22.65 |
| CP-OFDM 64QAM        | 2659.98 | 531996 | 60 | 1   | 1   | 22.08 |
| CP-OFDM 64QAM        | 2659.98 | 531996 | 60 | 1   | 160 | 22.54 |

|                |         |        |    |     |     |       |
|----------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 64QAM  | 2659.98 | 531996 | 60 | 162 | 0   | 22.65 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 81  | 40  | 19.58 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1   | 1   | 19.53 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 1   | 160 | 19.79 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0   | 19.63 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2531.01                 | 506202     | 70       | 90      | 45        | 24.60                 |
| DFT-s-OFDM PI/2 BPSK | 2531.01                 | 506202     | 70       | 1       | 1         | 25.83                 |
| DFT-s-OFDM PI/2 BPSK | 2531.01                 | 506202     | 70       | 1       | 187       | 26.03                 |
| DFT-s-OFDM PI/2 BPSK | 2531.01                 | 506202     | 70       | 180     | 0         | 24.51                 |
| DFT-s-OFDM QPSK      | 2531.01                 | 506202     | 70       | 90      | 45        | 25.64                 |
| DFT-s-OFDM QPSK      | 2531.01                 | 506202     | 70       | 1       | 1         | 25.85                 |
| DFT-s-OFDM QPSK      | 2531.01                 | 506202     | 70       | 1       | 187       | 25.86                 |
| DFT-s-OFDM QPSK      | 2531.01                 | 506202     | 70       | 180     | 0         | 24.61                 |
| DFT-s-OFDM 16QAM     | 2531.01                 | 506202     | 70       | 90      | 45        | 24.63                 |
| DFT-s-OFDM 16QAM     | 2531.01                 | 506202     | 70       | 1       | 1         | 24.89                 |
| DFT-s-OFDM 16QAM     | 2531.01                 | 506202     | 70       | 1       | 187       | 24.81                 |
| DFT-s-OFDM 16QAM     | 2531.01                 | 506202     | 70       | 180     | 0         | 23.63                 |
| DFT-s-OFDM 64QAM     | 2531.01                 | 506202     | 70       | 90      | 45        | 23.25                 |
| DFT-s-OFDM 64QAM     | 2531.01                 | 506202     | 70       | 1       | 1         | 22.95                 |
| DFT-s-OFDM 64QAM     | 2531.01                 | 506202     | 70       | 1       | 187       | 23.00                 |
| DFT-s-OFDM 64QAM     | 2531.01                 | 506202     | 70       | 180     | 0         | 23.11                 |
| DFT-s-OFDM 256QAM    | 2531.01                 | 506202     | 70       | 90      | 45        | 21.22                 |
| DFT-s-OFDM 256QAM    | 2531.01                 | 506202     | 70       | 1       | 1         | 21.26                 |
| DFT-s-OFDM 256QAM    | 2531.01                 | 506202     | 70       | 1       | 187       | 21.31                 |
| DFT-s-OFDM 256QAM    | 2531.01                 | 506202     | 70       | 180     | 0         | 21.12                 |
| CP-OFDM QPSK         | 2531.01                 | 506202     | 70       | 95      | 47        | 24.22                 |
| CP-OFDM QPSK         | 2531.01                 | 506202     | 70       | 1       | 1         | 24.49                 |
| CP-OFDM QPSK         | 2531.01                 | 506202     | 70       | 1       | 187       | 24.50                 |
| CP-OFDM QPSK         | 2531.01                 | 506202     | 70       | 189     | 0         | 22.61                 |
| CP-OFDM 16QAM        | 2531.01                 | 506202     | 70       | 95      | 47        | 23.67                 |
| CP-OFDM 16QAM        | 2531.01                 | 506202     | 70       | 1       | 1         | 23.96                 |
| CP-OFDM 16QAM        | 2531.01                 | 506202     | 70       | 1       | 187       | 23.86                 |
| CP-OFDM 16QAM        | 2531.01                 | 506202     | 70       | 189     | 0         | 22.58                 |
| CP-OFDM 64QAM        | 2531.01                 | 506202     | 70       | 95      | 47        | 22.25                 |
| CP-OFDM 64QAM        | 2531.01                 | 506202     | 70       | 1       | 1         | 22.01                 |
| CP-OFDM 64QAM        | 2531.01                 | 506202     | 70       | 1       | 187       | 22.02                 |
| CP-OFDM 64QAM        | 2531.01                 | 506202     | 70       | 189     | 0         | 22.19                 |
| CP-OFDM 256QAM       | 2531.01                 | 506202     | 70       | 95      | 47        | 19.17                 |
| CP-OFDM 256QAM       | 2531.01                 | 506202     | 70       | 1       | 1         | 19.23                 |
| CP-OFDM 256QAM       | 2531.01                 | 506202     | 70       | 1       | 187       | 19.30                 |
| CP-OFDM 256QAM       | 2531.01                 | 506202     | 70       | 189     | 0         | 19.21                 |
| DFT-s-OFDM PI/2 BPSK | 2592.99                 | 518598     | 70       | 90      | 45        | 25.06                 |
| DFT-s-OFDM PI/2 BPSK | 2592.99                 | 518598     | 70       | 1       | 1         | 26.12                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 1   | 187 | 26.50 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 180 | 0   | 25.09 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 70 | 90  | 45  | 26.10 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 70 | 1   | 1   | 26.11 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 70 | 1   | 187 | 26.47 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 70 | 180 | 0   | 25.09 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 70 | 90  | 45  | 25.10 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 70 | 1   | 1   | 25.02 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 70 | 1   | 187 | 25.64 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 70 | 180 | 0   | 24.10 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 70 | 90  | 45  | 23.64 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 70 | 1   | 1   | 23.24 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 70 | 1   | 187 | 23.70 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 70 | 180 | 0   | 23.68 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 70 | 90  | 45  | 21.60 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 70 | 1   | 1   | 21.60 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 70 | 1   | 187 | 22.03 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 70 | 180 | 0   | 21.66 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 70 | 95  | 47  | 24.54 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 70 | 1   | 1   | 24.84 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 70 | 1   | 187 | 25.44 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 70 | 189 | 0   | 23.14 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 70 | 95  | 47  | 24.17 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 70 | 1   | 1   | 24.29 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 70 | 1   | 187 | 24.65 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 70 | 189 | 0   | 23.12 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 70 | 95  | 47  | 22.65 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 70 | 1   | 1   | 22.29 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 70 | 1   | 187 | 22.91 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 70 | 189 | 0   | 22.74 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 70 | 95  | 47  | 19.67 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 70 | 1   | 1   | 19.62 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 70 | 1   | 187 | 20.12 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 70 | 189 | 0   | 19.70 |
| DFT-s-OFDM PI/2 BPSK | 2655    | 531000 | 70 | 90  | 45  | 24.93 |
| DFT-s-OFDM PI/2 BPSK | 2655    | 531000 | 70 | 1   | 1   | 25.94 |
| DFT-s-OFDM PI/2 BPSK | 2655    | 531000 | 70 | 1   | 187 | 26.16 |
| DFT-s-OFDM PI/2 BPSK | 2655    | 531000 | 70 | 180 | 0   | 24.94 |
| DFT-s-OFDM QPSK      | 2655    | 531000 | 70 | 90  | 45  | 25.99 |
| DFT-s-OFDM QPSK      | 2655    | 531000 | 70 | 1   | 1   | 26.12 |
| DFT-s-OFDM QPSK      | 2655    | 531000 | 70 | 1   | 187 | 26.18 |
| DFT-s-OFDM QPSK      | 2655    | 531000 | 70 | 180 | 0   | 24.95 |
| DFT-s-OFDM 16QAM     | 2655    | 531000 | 70 | 90  | 45  | 24.94 |
| DFT-s-OFDM 16QAM     | 2655    | 531000 | 70 | 1   | 1   | 24.93 |
| DFT-s-OFDM 16QAM     | 2655    | 531000 | 70 | 1   | 187 | 25.12 |
| DFT-s-OFDM 16QAM     | 2655    | 531000 | 70 | 180 | 0   | 23.98 |

|                   |      |        |    |     |     |       |
|-------------------|------|--------|----|-----|-----|-------|
| DFT-s-OFDM 64QAM  | 2655 | 531000 | 70 | 90  | 45  | 23.46 |
| DFT-s-OFDM 64QAM  | 2655 | 531000 | 70 | 1   | 1   | 23.20 |
| DFT-s-OFDM 64QAM  | 2655 | 531000 | 70 | 1   | 187 | 23.26 |
| DFT-s-OFDM 64QAM  | 2655 | 531000 | 70 | 180 | 0   | 23.50 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 90  | 45  | 21.43 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 1   | 1   | 21.46 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 1   | 187 | 21.57 |
| DFT-s-OFDM 256QAM | 2655 | 531000 | 70 | 180 | 0   | 21.47 |
| CP-OFDM QPSK      | 2655 | 531000 | 70 | 95  | 47  | 24.41 |
| CP-OFDM QPSK      | 2655 | 531000 | 70 | 1   | 1   | 24.49 |
| CP-OFDM QPSK      | 2655 | 531000 | 70 | 1   | 187 | 24.92 |
| CP-OFDM QPSK      | 2655 | 531000 | 70 | 189 | 0   | 23.01 |
| CP-OFDM 16QAM     | 2655 | 531000 | 70 | 95  | 47  | 23.97 |
| CP-OFDM 16QAM     | 2655 | 531000 | 70 | 1   | 1   | 24.12 |
| CP-OFDM 16QAM     | 2655 | 531000 | 70 | 1   | 187 | 24.37 |
| CP-OFDM 16QAM     | 2655 | 531000 | 70 | 189 | 0   | 22.99 |
| CP-OFDM 64QAM     | 2655 | 531000 | 70 | 95  | 47  | 22.46 |
| CP-OFDM 64QAM     | 2655 | 531000 | 70 | 1   | 1   | 22.20 |
| CP-OFDM 64QAM     | 2655 | 531000 | 70 | 1   | 187 | 22.47 |
| CP-OFDM 64QAM     | 2655 | 531000 | 70 | 189 | 0   | 22.50 |
| CP-OFDM 256QAM    | 2655 | 531000 | 70 | 95  | 47  | 19.56 |
| CP-OFDM 256QAM    | 2655 | 531000 | 70 | 1   | 1   | 19.40 |
| CP-OFDM 256QAM    | 2655 | 531000 | 70 | 1   | 187 | 19.59 |
| CP-OFDM 256QAM    | 2655 | 531000 | 70 | 189 | 0   | 19.53 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2536.02                 | 507204     | 80       | 108     | 54        | 24.88                 |
| DFT-s-OFDM PI/2 BPSK | 2536.02                 | 507204     | 80       | 1       | 1         | 26.15                 |
| DFT-s-OFDM PI/2 BPSK | 2536.02                 | 507204     | 80       | 1       | 215       | 26.01                 |
| DFT-s-OFDM PI/2 BPSK | 2536.02                 | 507204     | 80       | 216     | 0         | 24.98                 |
| DFT-s-OFDM QPSK      | 2536.02                 | 507204     | 80       | 108     | 54        | 25.92                 |
| DFT-s-OFDM QPSK      | 2536.02                 | 507204     | 80       | 1       | 1         | 26.21                 |
| DFT-s-OFDM QPSK      | 2536.02                 | 507204     | 80       | 1       | 215       | 26.21                 |
| DFT-s-OFDM QPSK      | 2536.02                 | 507204     | 80       | 216     | 0         | 24.98                 |
| DFT-s-OFDM 16QAM     | 2536.02                 | 507204     | 80       | 108     | 54        | 24.87                 |
| DFT-s-OFDM 16QAM     | 2536.02                 | 507204     | 80       | 1       | 1         | 25.20                 |
| DFT-s-OFDM 16QAM     | 2536.02                 | 507204     | 80       | 1       | 215       | 25.19                 |
| DFT-s-OFDM 16QAM     | 2536.02                 | 507204     | 80       | 216     | 0         | 23.93                 |
| DFT-s-OFDM 64QAM     | 2536.02                 | 507204     | 80       | 108     | 54        | 23.47                 |
| DFT-s-OFDM 64QAM     | 2536.02                 | 507204     | 80       | 1       | 1         | 23.23                 |
| DFT-s-OFDM 64QAM     | 2536.02                 | 507204     | 80       | 1       | 215       | 23.17                 |
| DFT-s-OFDM 64QAM     | 2536.02                 | 507204     | 80       | 216     | 0         | 23.48                 |
| DFT-s-OFDM 256QAM    | 2536.02                 | 507204     | 80       | 108     | 54        | 21.37                 |
| DFT-s-OFDM 256QAM    | 2536.02                 | 507204     | 80       | 1       | 1         | 21.63                 |
| DFT-s-OFDM 256QAM    | 2536.02                 | 507204     | 80       | 1       | 215       | 21.61                 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 256QAM    | 2536.02 | 507204 | 80 | 216 | 0   | 21.41 |
| CP-OFDM QPSK         | 2536.02 | 507204 | 80 | 109 | 54  | 24.35 |
| CP-OFDM QPSK         | 2536.02 | 507204 | 80 | 1   | 1   | 24.74 |
| CP-OFDM QPSK         | 2536.02 | 507204 | 80 | 1   | 215 | 24.69 |
| CP-OFDM QPSK         | 2536.02 | 507204 | 80 | 217 | 0   | 22.93 |
| CP-OFDM 16QAM        | 2536.02 | 507204 | 80 | 109 | 54  | 23.91 |
| CP-OFDM 16QAM        | 2536.02 | 507204 | 80 | 1   | 1   | 24.09 |
| CP-OFDM 16QAM        | 2536.02 | 507204 | 80 | 1   | 215 | 24.17 |
| CP-OFDM 16QAM        | 2536.02 | 507204 | 80 | 217 | 0   | 22.94 |
| CP-OFDM 64QAM        | 2536.02 | 507204 | 80 | 109 | 54  | 22.35 |
| CP-OFDM 64QAM        | 2536.02 | 507204 | 80 | 1   | 1   | 22.32 |
| CP-OFDM 64QAM        | 2536.02 | 507204 | 80 | 1   | 215 | 22.28 |
| CP-OFDM 64QAM        | 2536.02 | 507204 | 80 | 217 | 0   | 22.48 |
| CP-OFDM 256QAM       | 2536.02 | 507204 | 80 | 109 | 54  | 19.42 |
| CP-OFDM 256QAM       | 2536.02 | 507204 | 80 | 1   | 1   | 19.60 |
| CP-OFDM 256QAM       | 2536.02 | 507204 | 80 | 1   | 215 | 19.57 |
| CP-OFDM 256QAM       | 2536.02 | 507204 | 80 | 217 | 0   | 19.48 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 108 | 54  | 25.15 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1   | 1   | 25.77 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 1   | 215 | 26.48 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80 | 216 | 0   | 25.16 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 80 | 108 | 54  | 26.11 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 80 | 1   | 1   | 25.81 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 80 | 1   | 215 | 26.48 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 80 | 216 | 0   | 25.17 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 80 | 108 | 54  | 25.14 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 80 | 1   | 1   | 24.79 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 80 | 1   | 215 | 25.55 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 80 | 216 | 0   | 24.14 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 80 | 108 | 54  | 23.69 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 80 | 1   | 1   | 22.89 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 80 | 1   | 215 | 23.60 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 80 | 216 | 0   | 23.68 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 80 | 108 | 54  | 23.66 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 80 | 1   | 1   | 23.68 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 80 | 1   | 215 | 21.86 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 80 | 216 | 0   | 21.64 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 80 | 109 | 54  | 24.64 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 80 | 1   | 1   | 24.18 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 80 | 1   | 215 | 25.04 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 80 | 217 | 0   | 23.11 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 80 | 109 | 54  | 24.13 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 80 | 1   | 1   | 23.77 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 80 | 1   | 215 | 25.08 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 80 | 217 | 0   | 23.13 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 80 | 109 | 54  | 22.66 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| CP-OFDM 64QAM        | 2592.99 | 518598 | 80 | 1   | 1   | 21.94 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 80 | 1   | 215 | 22.69 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 80 | 217 | 0   | 22.69 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 80 | 109 | 54  | 19.63 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 80 | 1   | 1   | 19.17 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 80 | 1   | 215 | 20.02 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 80 | 217 | 0   | 19.70 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 108 | 54  | 24.94 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1   | 1   | 25.30 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 1   | 215 | 26.22 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80 | 216 | 0   | 24.94 |
| DFT-s-OFDM QPSK      | 2649.99 | 529998 | 80 | 108 | 54  | 26.03 |
| DFT-s-OFDM QPSK      | 2649.99 | 529998 | 80 | 1   | 1   | 25.46 |
| DFT-s-OFDM QPSK      | 2649.99 | 529998 | 80 | 1   | 215 | 26.30 |
| DFT-s-OFDM QPSK      | 2649.99 | 529998 | 80 | 216 | 0   | 25.02 |
| DFT-s-OFDM 16QAM     | 2649.99 | 529998 | 80 | 108 | 54  | 25.09 |
| DFT-s-OFDM 16QAM     | 2649.99 | 529998 | 80 | 1   | 1   | 24.34 |
| DFT-s-OFDM 16QAM     | 2649.99 | 529998 | 80 | 1   | 215 | 25.37 |
| DFT-s-OFDM 16QAM     | 2649.99 | 529998 | 80 | 216 | 0   | 23.99 |
| DFT-s-OFDM 64QAM     | 2649.99 | 529998 | 80 | 108 | 54  | 23.51 |
| DFT-s-OFDM 64QAM     | 2649.99 | 529998 | 80 | 1   | 1   | 22.49 |
| DFT-s-OFDM 64QAM     | 2649.99 | 529998 | 80 | 1   | 215 | 23.25 |
| DFT-s-OFDM 64QAM     | 2649.99 | 529998 | 80 | 216 | 0   | 23.47 |
| DFT-s-OFDM 256QAM    | 2649.99 | 529998 | 80 | 108 | 54  | 21.58 |
| DFT-s-OFDM 256QAM    | 2649.99 | 529998 | 80 | 1   | 1   | 20.69 |
| DFT-s-OFDM 256QAM    | 2649.99 | 529998 | 80 | 1   | 215 | 21.60 |
| DFT-s-OFDM 256QAM    | 2649.99 | 529998 | 80 | 216 | 0   | 21.73 |
| CP-OFDM QPSK         | 2649.99 | 529998 | 80 | 109 | 54  | 24.51 |
| CP-OFDM QPSK         | 2649.99 | 529998 | 80 | 1   | 1   | 24.01 |
| CP-OFDM QPSK         | 2649.99 | 529998 | 80 | 1   | 215 | 24.92 |
| CP-OFDM QPSK         | 2649.99 | 529998 | 80 | 217 | 0   | 22.99 |
| CP-OFDM 16QAM        | 2649.99 | 529998 | 80 | 109 | 54  | 24.02 |
| CP-OFDM 16QAM        | 2649.99 | 529998 | 80 | 1   | 1   | 23.49 |
| CP-OFDM 16QAM        | 2649.99 | 529998 | 80 | 1   | 215 | 24.38 |
| CP-OFDM 16QAM        | 2649.99 | 529998 | 80 | 217 | 0   | 22.99 |
| CP-OFDM 64QAM        | 2649.99 | 529998 | 80 | 109 | 54  | 22.55 |
| CP-OFDM 64QAM        | 2649.99 | 529998 | 80 | 1   | 1   | 21.52 |
| CP-OFDM 64QAM        | 2649.99 | 529998 | 80 | 1   | 215 | 22.52 |
| CP-OFDM 64QAM        | 2649.99 | 529998 | 80 | 217 | 0   | 22.47 |
| CP-OFDM 256QAM       | 2649.99 | 529998 | 80 | 109 | 54  | 19.55 |
| CP-OFDM 256QAM       | 2649.99 | 529998 | 80 | 1   | 1   | 18.80 |
| CP-OFDM 256QAM       | 2649.99 | 529998 | 80 | 1   | 215 | 19.69 |
| CP-OFDM 256QAM       | 2649.99 | 529998 | 80 | 217 | 0   | 19.53 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|------------|-------------------------|------------|----------|---------|-----------|-----------------------|
|------------|-------------------------|------------|----------|---------|-----------|-----------------------|

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM PI/2 BPSK | 2541    | 508200 | 90 | 120 | 60  | 25.34 |
| DFT-s-OFDM PI/2 BPSK | 2541    | 508200 | 90 | 1   | 1   | 26.36 |
| DFT-s-OFDM PI/2 BPSK | 2541    | 508200 | 90 | 1   | 243 | 26.51 |
| DFT-s-OFDM PI/2 BPSK | 2541    | 508200 | 90 | 243 | 0   | 25.36 |
| DFT-s-OFDM QPSK      | 2541    | 508200 | 90 | 120 | 60  | 26.33 |
| DFT-s-OFDM QPSK      | 2541    | 508200 | 90 | 1   | 1   | 26.46 |
| DFT-s-OFDM QPSK      | 2541    | 508200 | 90 | 1   | 243 | 26.57 |
| DFT-s-OFDM QPSK      | 2541    | 508200 | 90 | 243 | 0   | 25.35 |
| DFT-s-OFDM 16QAM     | 2541    | 508200 | 90 | 120 | 60  | 25.34 |
| DFT-s-OFDM 16QAM     | 2541    | 508200 | 90 | 1   | 1   | 25.39 |
| DFT-s-OFDM 16QAM     | 2541    | 508200 | 90 | 1   | 243 | 25.56 |
| DFT-s-OFDM 16QAM     | 2541    | 508200 | 90 | 243 | 0   | 24.38 |
| DFT-s-OFDM 64QAM     | 2541    | 508200 | 90 | 120 | 60  | 23.79 |
| DFT-s-OFDM 64QAM     | 2541    | 508200 | 90 | 1   | 1   | 23.55 |
| DFT-s-OFDM 64QAM     | 2541    | 508200 | 90 | 1   | 243 | 23.59 |
| DFT-s-OFDM 64QAM     | 2541    | 508200 | 90 | 243 | 0   | 23.94 |
| DFT-s-OFDM 256QAM    | 2541    | 508200 | 90 | 120 | 60  | 21.83 |
| DFT-s-OFDM 256QAM    | 2541    | 508200 | 90 | 1   | 1   | 21.82 |
| DFT-s-OFDM 256QAM    | 2541    | 508200 | 90 | 1   | 243 | 21.86 |
| DFT-s-OFDM 256QAM    | 2541    | 508200 | 90 | 243 | 0   | 21.88 |
| CP-OFDM QPSK         | 2541    | 508200 | 90 | 123 | 61  | 24.70 |
| CP-OFDM QPSK         | 2541    | 508200 | 90 | 1   | 1   | 24.86 |
| CP-OFDM QPSK         | 2541    | 508200 | 90 | 1   | 243 | 24.91 |
| CP-OFDM QPSK         | 2541    | 508200 | 90 | 245 | 0   | 23.41 |
| CP-OFDM 16QAM        | 2541    | 508200 | 90 | 123 | 61  | 24.22 |
| CP-OFDM 16QAM        | 2541    | 508200 | 90 | 1   | 1   | 24.88 |
| CP-OFDM 16QAM        | 2541    | 508200 | 90 | 1   | 243 | 24.61 |
| CP-OFDM 16QAM        | 2541    | 508200 | 90 | 245 | 0   | 23.39 |
| CP-OFDM 64QAM        | 2541    | 508200 | 90 | 123 | 61  | 22.73 |
| CP-OFDM 64QAM        | 2541    | 508200 | 90 | 1   | 1   | 22.63 |
| CP-OFDM 64QAM        | 2541    | 508200 | 90 | 1   | 243 | 22.61 |
| CP-OFDM 64QAM        | 2541    | 508200 | 90 | 245 | 0   | 22.84 |
| CP-OFDM 256QAM       | 2541    | 508200 | 90 | 123 | 61  | 19.72 |
| CP-OFDM 256QAM       | 2541    | 508200 | 90 | 1   | 1   | 19.96 |
| CP-OFDM 256QAM       | 2541    | 508200 | 90 | 1   | 243 | 19.95 |
| CP-OFDM 256QAM       | 2541    | 508200 | 90 | 245 | 0   | 19.86 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 120 | 60  | 25.09 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1   | 1   | 25.31 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 1   | 243 | 26.72 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90 | 243 | 0   | 25.10 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 90 | 120 | 60  | 26.07 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 90 | 1   | 1   | 25.32 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 90 | 1   | 243 | 26.56 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 90 | 243 | 0   | 25.11 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 90 | 120 | 60  | 25.09 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 90 | 1   | 1   | 24.26 |

|                      |         |        |    |     |     |       |
|----------------------|---------|--------|----|-----|-----|-------|
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 90 | 1   | 243 | 25.68 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 90 | 243 | 0   | 24.14 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 90 | 120 | 60  | 23.65 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 90 | 1   | 1   | 22.46 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 90 | 1   | 243 | 23.78 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 90 | 243 | 0   | 23.60 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 90 | 120 | 60  | 21.62 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 90 | 1   | 1   | 21.63 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 90 | 1   | 243 | 22.03 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 90 | 243 | 0   | 21.68 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 90 | 123 | 61  | 24.63 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 90 | 1   | 1   | 23.89 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 90 | 1   | 243 | 25.04 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 90 | 245 | 0   | 23.17 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 90 | 123 | 61  | 24.06 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 90 | 1   | 1   | 23.45 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 90 | 1   | 243 | 24.60 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 90 | 245 | 0   | 23.12 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 90 | 123 | 61  | 22.63 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 90 | 1   | 1   | 21.50 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 90 | 1   | 243 | 22.76 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 90 | 245 | 0   | 22.61 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 90 | 123 | 61  | 19.70 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 90 | 1   | 1   | 18.75 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 90 | 1   | 243 | 20.13 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 90 | 245 | 0   | 19.69 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 120 | 60  | 24.82 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1   | 1   | 25.54 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 1   | 243 | 26.21 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90 | 243 | 0   | 24.84 |
| DFT-s-OFDM QPSK      | 2644.98 | 528996 | 90 | 120 | 60  | 25.99 |
| DFT-s-OFDM QPSK      | 2644.98 | 528996 | 90 | 1   | 1   | 25.60 |
| DFT-s-OFDM QPSK      | 2644.98 | 528996 | 90 | 1   | 243 | 26.37 |
| DFT-s-OFDM QPSK      | 2644.98 | 528996 | 90 | 243 | 0   | 24.83 |
| DFT-s-OFDM 16QAM     | 2644.98 | 528996 | 90 | 120 | 60  | 24.94 |
| DFT-s-OFDM 16QAM     | 2644.98 | 528996 | 90 | 1   | 1   | 24.49 |
| DFT-s-OFDM 16QAM     | 2644.98 | 528996 | 90 | 1   | 243 | 25.25 |
| DFT-s-OFDM 16QAM     | 2644.98 | 528996 | 90 | 243 | 0   | 23.87 |
| DFT-s-OFDM 64QAM     | 2644.98 | 528996 | 90 | 120 | 60  | 23.55 |
| DFT-s-OFDM 64QAM     | 2644.98 | 528996 | 90 | 1   | 1   | 22.71 |
| DFT-s-OFDM 64QAM     | 2644.98 | 528996 | 90 | 1   | 243 | 23.42 |
| DFT-s-OFDM 64QAM     | 2644.98 | 528996 | 90 | 243 | 0   | 23.33 |
| DFT-s-OFDM 256QAM    | 2644.98 | 528996 | 90 | 120 | 60  | 21.57 |
| DFT-s-OFDM 256QAM    | 2644.98 | 528996 | 90 | 1   | 1   | 21.05 |
| DFT-s-OFDM 256QAM    | 2644.98 | 528996 | 90 | 1   | 243 | 21.63 |
| DFT-s-OFDM 256QAM    | 2644.98 | 528996 | 90 | 243 | 0   | 21.33 |

|                |         |        |    |     |     |       |
|----------------|---------|--------|----|-----|-----|-------|
| CP-OFDM QPSK   | 2644.98 | 528996 | 90 | 123 | 61  | 24.48 |
| CP-OFDM QPSK   | 2644.98 | 528996 | 90 | 1   | 1   | 24.09 |
| CP-OFDM QPSK   | 2644.98 | 528996 | 90 | 1   | 243 | 24.74 |
| CP-OFDM QPSK   | 2644.98 | 528996 | 90 | 245 | 0   | 22.90 |
| CP-OFDM 16QAM  | 2644.98 | 528996 | 90 | 123 | 61  | 23.88 |
| CP-OFDM 16QAM  | 2644.98 | 528996 | 90 | 1   | 1   | 23.82 |
| CP-OFDM 16QAM  | 2644.98 | 528996 | 90 | 1   | 243 | 24.43 |
| CP-OFDM 16QAM  | 2644.98 | 528996 | 90 | 245 | 0   | 22.87 |
| CP-OFDM 64QAM  | 2644.98 | 528996 | 90 | 123 | 61  | 22.43 |
| CP-OFDM 64QAM  | 2644.98 | 528996 | 90 | 1   | 1   | 21.75 |
| CP-OFDM 64QAM  | 2644.98 | 528996 | 90 | 1   | 243 | 22.51 |
| CP-OFDM 64QAM  | 2644.98 | 528996 | 90 | 245 | 0   | 22.33 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 123 | 61  | 19.56 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1   | 1   | 18.94 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 1   | 243 | 19.75 |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90 | 245 | 0   | 19.38 |

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Conducted power (dBm) |
|----------------------|-------------------------|------------|----------|---------|-----------|-----------------------|
| DFT-s-OFDM PI/2 BPSK | 2546.01                 | 509202     | 100      | 135     | 67        | 25.21                 |
| DFT-s-OFDM PI/2 BPSK | 2546.01                 | 509202     | 100      | 1       | 1         | 26.45                 |
| DFT-s-OFDM PI/2 BPSK | 2546.01                 | 509202     | 100      | 1       | 271       | 26.32                 |
| DFT-s-OFDM PI/2 BPSK | 2546.01                 | 509202     | 100      | 270     | 0         | 25.14                 |
| DFT-s-OFDM QPSK      | 2546.01                 | 509202     | 100      | 135     | 67        | 26.11                 |
| DFT-s-OFDM QPSK      | 2546.01                 | 509202     | 100      | 1       | 1         | 26.40                 |
| DFT-s-OFDM QPSK      | 2546.01                 | 509202     | 100      | 1       | 271       | 26.25                 |
| DFT-s-OFDM QPSK      | 2546.01                 | 509202     | 100      | 270     | 0         | 25.14                 |
| DFT-s-OFDM 16QAM     | 2546.01                 | 509202     | 100      | 135     | 67        | 25.19                 |
| DFT-s-OFDM 16QAM     | 2546.01                 | 509202     | 100      | 1       | 1         | 25.32                 |
| DFT-s-OFDM 16QAM     | 2546.01                 | 509202     | 100      | 1       | 271       | 25.40                 |
| DFT-s-OFDM 16QAM     | 2546.01                 | 509202     | 100      | 270     | 0         | 24.19                 |
| DFT-s-OFDM 64QAM     | 2546.01                 | 509202     | 100      | 135     | 67        | 23.65                 |
| DFT-s-OFDM 64QAM     | 2546.01                 | 509202     | 100      | 1       | 1         | 23.55                 |
| DFT-s-OFDM 64QAM     | 2546.01                 | 509202     | 100      | 1       | 271       | 23.41                 |
| DFT-s-OFDM 64QAM     | 2546.01                 | 509202     | 100      | 270     | 0         | 23.63                 |
| DFT-s-OFDM 256QAM    | 2546.01                 | 509202     | 100      | 135     | 67        | 21.72                 |
| DFT-s-OFDM 256QAM    | 2546.01                 | 509202     | 100      | 1       | 1         | 21.80                 |
| DFT-s-OFDM 256QAM    | 2546.01                 | 509202     | 100      | 1       | 271       | 21.75                 |
| DFT-s-OFDM 256QAM    | 2546.01                 | 509202     | 100      | 270     | 0         | 21.65                 |
| CP-OFDM QPSK         | 2546.01                 | 509202     | 100      | 137     | 68        | 24.67                 |
| CP-OFDM QPSK         | 2546.01                 | 509202     | 100      | 1       | 1         | 24.80                 |
| CP-OFDM QPSK         | 2546.01                 | 509202     | 100      | 1       | 271       | 24.89                 |
| CP-OFDM QPSK         | 2546.01                 | 509202     | 100      | 273     | 0         | 23.20                 |
| CP-OFDM 16QAM        | 2546.01                 | 509202     | 100      | 137     | 68        | 24.12                 |
| CP-OFDM 16QAM        | 2546.01                 | 509202     | 100      | 1       | 1         | 24.48                 |
| CP-OFDM 16QAM        | 2546.01                 | 509202     | 100      | 1       | 271       | 24.26                 |

|                      |         |        |     |     |     |       |
|----------------------|---------|--------|-----|-----|-----|-------|
| CP-OFDM 16QAM        | 2546.01 | 509202 | 100 | 273 | 0   | 23.19 |
| CP-OFDM 64QAM        | 2546.01 | 509202 | 100 | 137 | 68  | 22.69 |
| CP-OFDM 64QAM        | 2546.01 | 509202 | 100 | 1   | 1   | 22.44 |
| CP-OFDM 64QAM        | 2546.01 | 509202 | 100 | 1   | 271 | 22.28 |
| CP-OFDM 64QAM        | 2546.01 | 509202 | 100 | 273 | 0   | 22.72 |
| CP-OFDM 256QAM       | 2546.01 | 509202 | 100 | 137 | 68  | 19.71 |
| CP-OFDM 256QAM       | 2546.01 | 509202 | 100 | 1   | 1   | 19.89 |
| CP-OFDM 256QAM       | 2546.01 | 509202 | 100 | 1   | 271 | 19.71 |
| CP-OFDM 256QAM       | 2546.01 | 509202 | 100 | 273 | 0   | 19.74 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 135 | 67  | 25.14 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1   | 1   | 25.35 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 1   | 271 | 26.69 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 270 | 0   | 25.10 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 100 | 135 | 67  | 26.13 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 100 | 1   | 1   | 25.40 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 100 | 1   | 271 | 26.85 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 100 | 270 | 0   | 25.11 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 100 | 135 | 67  | 25.14 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 100 | 1   | 1   | 24.38 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 100 | 1   | 271 | 25.61 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 100 | 270 | 0   | 24.15 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 100 | 135 | 67  | 23.62 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 100 | 1   | 1   | 22.48 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 100 | 1   | 271 | 23.84 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 100 | 270 | 0   | 23.61 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 100 | 135 | 67  | 21.68 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 100 | 1   | 1   | 20.68 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 100 | 1   | 271 | 22.20 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 100 | 270 | 0   | 21.57 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 100 | 137 | 68  | 24.63 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 100 | 1   | 1   | 23.87 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 100 | 1   | 271 | 25.16 |
| CP-OFDM QPSK         | 2592.99 | 518598 | 100 | 273 | 0   | 23.16 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 100 | 137 | 68  | 24.07 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 100 | 1   | 1   | 23.45 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 100 | 1   | 271 | 24.83 |
| CP-OFDM 16QAM        | 2592.99 | 518598 | 100 | 273 | 0   | 23.17 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 100 | 137 | 68  | 22.66 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 100 | 1   | 1   | 21.64 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 100 | 1   | 271 | 22.91 |
| CP-OFDM 64QAM        | 2592.99 | 518598 | 100 | 273 | 0   | 22.60 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 100 | 137 | 68  | 19.67 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 100 | 1   | 1   | 18.82 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 100 | 1   | 271 | 20.10 |
| CP-OFDM 256QAM       | 2592.99 | 518598 | 100 | 273 | 0   | 19.61 |
| DFT-s-OFDM PI/2 BPSK | 2640    | 528000 | 100 | 135 | 67  | 24.79 |

|                      |      |        |     |     |     |       |
|----------------------|------|--------|-----|-----|-----|-------|
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1   | 1   | 25.29 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 1   | 271 | 26.21 |
| DFT-s-OFDM PI/2 BPSK | 2640 | 528000 | 100 | 270 | 0   | 24.73 |
| DFT-s-OFDM QPSK      | 2640 | 528000 | 100 | 135 | 67  | 25.86 |
| DFT-s-OFDM QPSK      | 2640 | 528000 | 100 | 1   | 1   | 25.28 |
| DFT-s-OFDM QPSK      | 2640 | 528000 | 100 | 1   | 271 | 26.21 |
| DFT-s-OFDM QPSK      | 2640 | 528000 | 100 | 270 | 0   | 24.80 |
| DFT-s-OFDM 16QAM     | 2640 | 528000 | 100 | 135 | 67  | 24.89 |
| DFT-s-OFDM 16QAM     | 2640 | 528000 | 100 | 1   | 1   | 24.21 |
| DFT-s-OFDM 16QAM     | 2640 | 528000 | 100 | 1   | 271 | 25.02 |
| DFT-s-OFDM 16QAM     | 2640 | 528000 | 100 | 270 | 0   | 23.80 |
| DFT-s-OFDM 64QAM     | 2640 | 528000 | 100 | 135 | 67  | 23.46 |
| DFT-s-OFDM 64QAM     | 2640 | 528000 | 100 | 1   | 1   | 22.43 |
| DFT-s-OFDM 64QAM     | 2640 | 528000 | 100 | 1   | 271 | 23.36 |
| DFT-s-OFDM 64QAM     | 2640 | 528000 | 100 | 270 | 0   | 23.33 |
| DFT-s-OFDM 256QAM    | 2640 | 528000 | 100 | 135 | 67  | 21.45 |
| DFT-s-OFDM 256QAM    | 2640 | 528000 | 100 | 1   | 1   | 20.75 |
| DFT-s-OFDM 256QAM    | 2640 | 528000 | 100 | 1   | 271 | 21.69 |
| DFT-s-OFDM 256QAM    | 2640 | 528000 | 100 | 270 | 0   | 21.33 |
| CP-OFDM QPSK         | 2640 | 528000 | 100 | 137 | 68  | 24.41 |
| CP-OFDM QPSK         | 2640 | 528000 | 100 | 1   | 1   | 23.94 |
| CP-OFDM QPSK         | 2640 | 528000 | 100 | 1   | 271 | 24.76 |
| CP-OFDM QPSK         | 2640 | 528000 | 100 | 273 | 0   | 22.81 |
| CP-OFDM 16QAM        | 2640 | 528000 | 100 | 137 | 68  | 23.88 |
| CP-OFDM 16QAM        | 2640 | 528000 | 100 | 1   | 1   | 23.48 |
| CP-OFDM 16QAM        | 2640 | 528000 | 100 | 1   | 271 | 24.34 |
| CP-OFDM 16QAM        | 2640 | 528000 | 100 | 273 | 0   | 22.79 |
| CP-OFDM 64QAM        | 2640 | 528000 | 100 | 137 | 68  | 22.38 |
| CP-OFDM 64QAM        | 2640 | 528000 | 100 | 1   | 1   | 21.49 |
| CP-OFDM 64QAM        | 2640 | 528000 | 100 | 1   | 271 | 22.44 |
| CP-OFDM 64QAM        | 2640 | 528000 | 100 | 273 | 0   | 22.25 |
| CP-OFDM 256QAM       | 2640 | 528000 | 100 | 137 | 68  | 19.39 |
| CP-OFDM 256QAM       | 2640 | 528000 | 100 | 1   | 1   | 18.62 |
| CP-OFDM 256QAM       | 2640 | 528000 | 100 | 1   | 271 | 19.52 |
| CP-OFDM 256QAM       | 2640 | 528000 | 100 | 273 | 0   | 19.31 |

## 2 Occupied Bandwidth

| Modulation     | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) |        |
|----------------|-------------------------|------------|----------|---------|-----------|------------------------------|--------|
| CP-OFDM QPSK   | 2506.02                 | 501204     | 20       | 51      | 0         | 18.300                       | Fig.1  |
| CP-OFDM 16QAM  | 2506.02                 | 501204     | 20       | 51      | 0         | 18.290                       | Fig.2  |
| CP-OFDM 64QAM  | 2506.02                 | 501204     | 20       | 51      | 0         | 18.270                       | Fig.3  |
| CP-OFDM 256QAM | 2506.02                 | 501204     | 20       | 51      | 0         | 18.260                       | Fig.4  |
| CP-OFDM QPSK   | 2592.99                 | 518598     | 20       | 51      | 0         | 18.290                       | Fig.5  |
| CP-OFDM 16QAM  | 2592.99                 | 518598     | 20       | 51      | 0         | 18.270                       | Fig.6  |
| CP-OFDM 64QAM  | 2592.99                 | 518598     | 20       | 51      | 0         | 18.290                       | Fig.7  |
| CP-OFDM 256QAM | 2592.99                 | 518598     | 20       | 51      | 0         | 18.260                       | Fig.8  |
| CP-OFDM QPSK   | 2679.99                 | 535998     | 20       | 51      | 0         | 18.330                       | Fig.9  |
| CP-OFDM 16QAM  | 2679.99                 | 535998     | 20       | 51      | 0         | 18.300                       | Fig.10 |
| CP-OFDM 64QAM  | 2679.99                 | 535998     | 20       | 51      | 0         | 18.280                       | Fig.11 |
| CP-OFDM 256QAM | 2679.99                 | 535998     | 20       | 51      | 0         | 18.270                       | Fig.12 |
| CP-OFDM QPSK   | 2511                    | 502200     | 30       | 78      | 0         | 27.900                       | Fig.13 |
| CP-OFDM 16QAM  | 2511                    | 502200     | 30       | 78      | 0         | 27.860                       | Fig.14 |
| CP-OFDM 64QAM  | 2511                    | 502200     | 30       | 78      | 0         | 27.870                       | Fig.15 |
| CP-OFDM 256QAM | 2511                    | 502200     | 30       | 78      | 0         | 27.900                       | Fig.16 |
| CP-OFDM QPSK   | 2592.99                 | 518598     | 30       | 78      | 0         | 27.840                       | Fig.17 |
| CP-OFDM 16QAM  | 2592.99                 | 518598     | 30       | 78      | 0         | 27.860                       | Fig.18 |
| CP-OFDM 64QAM  | 2592.99                 | 518598     | 30       | 78      | 0         | 27.830                       | Fig.19 |
| CP-OFDM 256QAM | 2592.99                 | 518598     | 30       | 78      | 0         | 27.850                       | Fig.20 |
| CP-OFDM QPSK   | 2674.98                 | 534996     | 30       | 78      | 0         | 27.860                       | Fig.21 |
| CP-OFDM 16QAM  | 2674.98                 | 534996     | 30       | 78      | 0         | 27.840                       | Fig.22 |
| CP-OFDM 64QAM  | 2674.98                 | 534996     | 30       | 78      | 0         | 27.890                       | Fig.23 |
| CP-OFDM 256QAM | 2674.98                 | 534996     | 30       | 78      | 0         | 27.860                       | Fig.24 |
| CP-OFDM QPSK   | 2516.01                 | 503202     | 40       | 106     | 0         | 38.200                       | Fig.25 |
| CP-OFDM 16QAM  | 2516.01                 | 503202     | 40       | 106     | 0         | 38.200                       | Fig.26 |
| CP-OFDM 64QAM  | 2516.01                 | 503202     | 40       | 106     | 0         | 38.200                       | Fig.27 |
| CP-OFDM 256QAM | 2516.01                 | 503202     | 40       | 106     | 0         | 38.180                       | Fig.28 |
| CP-OFDM QPSK   | 2592.99                 | 518598     | 40       | 106     | 0         | 38.200                       | Fig.29 |
| CP-OFDM 16QAM  | 2592.99                 | 518598     | 40       | 106     | 0         | 38.070                       | Fig.30 |
| CP-OFDM 64QAM  | 2592.99                 | 518598     | 40       | 106     | 0         | 38.230                       | Fig.31 |
| CP-OFDM 256QAM | 2592.99                 | 518598     | 40       | 106     | 0         | 38.120                       | Fig.32 |
| CP-OFDM QPSK   | 2670                    | 534000     | 40       | 106     | 0         | 38.160                       | Fig.33 |
| CP-OFDM 16QAM  | 2670                    | 534000     | 40       | 106     | 0         | 38.220                       | Fig.34 |
| CP-OFDM 64QAM  | 2670                    | 534000     | 40       | 106     | 0         | 38.260                       | Fig.35 |
| CP-OFDM 256QAM | 2670                    | 534000     | 40       | 106     | 0         | 38.270                       | Fig.36 |
| CP-OFDM QPSK   | 2521.02                 | 504204     | 50       | 133     | 0         | 47.740                       | Fig.37 |
| CP-OFDM 16QAM  | 2521.02                 | 504204     | 50       | 133     | 0         | 47.670                       | Fig.38 |
| CP-OFDM 64QAM  | 2521.02                 | 504204     | 50       | 133     | 0         | 47.660                       | Fig.39 |
| CP-OFDM 256QAM | 2521.02                 | 504204     | 50       | 133     | 0         | 47.710                       | Fig.40 |
| CP-OFDM QPSK   | 2592.99                 | 518598     | 50       | 133     | 0         | 47.700                       | Fig.41 |
| CP-OFDM 16QAM  | 2592.99                 | 518598     | 50       | 133     | 0         | 47.720                       | Fig.42 |
| CP-OFDM 64QAM  | 2592.99                 | 518598     | 50       | 133     | 0         | 47.650                       | Fig.43 |

|                |         |        |    |     |   |        |        |
|----------------|---------|--------|----|-----|---|--------|--------|
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 133 | 0 | 47.640 | Fig.44 |
| CP-OFDM QPSK   | 2664.99 | 532998 | 50 | 133 | 0 | 47.810 | Fig.45 |
| CP-OFDM 16QAM  | 2664.99 | 532998 | 50 | 133 | 0 | 47.800 | Fig.46 |
| CP-OFDM 64QAM  | 2664.99 | 532998 | 50 | 133 | 0 | 47.780 | Fig.47 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 133 | 0 | 47.740 | Fig.48 |
| CP-OFDM QPSK   | 2526    | 505200 | 60 | 162 | 0 | 58.030 | Fig.49 |
| CP-OFDM 16QAM  | 2526    | 505200 | 60 | 162 | 0 | 58.060 | Fig.50 |
| CP-OFDM 64QAM  | 2526    | 505200 | 60 | 162 | 0 | 58.030 | Fig.51 |
| CP-OFDM 256QAM | 2526    | 505200 | 60 | 162 | 0 | 58.060 | Fig.52 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 60 | 162 | 0 | 57.960 | Fig.53 |
| CP-OFDM 16QAM  | 2592.99 | 518598 | 60 | 162 | 0 | 58.060 | Fig.54 |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 60 | 162 | 0 | 57.990 | Fig.55 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 162 | 0 | 58.020 | Fig.56 |
| CP-OFDM QPSK   | 2659.98 | 531996 | 60 | 162 | 0 | 58.030 | Fig.57 |
| CP-OFDM 16QAM  | 2659.98 | 531996 | 60 | 162 | 0 | 58.140 | Fig.58 |
| CP-OFDM 64QAM  | 2659.98 | 531996 | 60 | 162 | 0 | 58.080 | Fig.59 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 58.040 | Fig.60 |
| CP-OFDM QPSK   | 2531.01 | 506202 | 70 | 189 | 0 | 67.640 | Fig.61 |
| CP-OFDM 16QAM  | 2531.01 | 506202 | 70 | 189 | 0 | 67.500 | Fig.62 |
| CP-OFDM 64QAM  | 2531.01 | 506202 | 70 | 189 | 0 | 67.670 | Fig.63 |
| CP-OFDM 256QAM | 2531.01 | 506202 | 70 | 189 | 0 | 67.500 | Fig.64 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 70 | 189 | 0 | 67.590 | Fig.65 |
| CP-OFDM 16QAM  | 2592.99 | 518598 | 70 | 189 | 0 | 67.580 | Fig.66 |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 70 | 189 | 0 | 67.670 | Fig.67 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 189 | 0 | 67.490 | Fig.68 |
| CP-OFDM QPSK   | 2655    | 531000 | 70 | 189 | 0 | 67.600 | Fig.69 |
| CP-OFDM 16QAM  | 2655    | 531000 | 70 | 189 | 0 | 67.550 | Fig.70 |
| CP-OFDM 64QAM  | 2655    | 531000 | 70 | 189 | 0 | 67.750 | Fig.71 |
| CP-OFDM 256QAM | 2655    | 531000 | 70 | 189 | 0 | 67.640 | Fig.72 |
| CP-OFDM QPSK   | 2536.02 | 507204 | 80 | 217 | 0 | 77.500 | Fig.73 |
| CP-OFDM 16QAM  | 2536.02 | 507204 | 80 | 217 | 0 | 77.560 | Fig.74 |
| CP-OFDM 64QAM  | 2536.02 | 507204 | 80 | 217 | 0 | 77.540 | Fig.75 |
| CP-OFDM 256QAM | 2536.02 | 507204 | 80 | 217 | 0 | 77.550 | Fig.76 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 80 | 217 | 0 | 77.490 | Fig.77 |
| CP-OFDM 16QAM  | 2592.99 | 518598 | 80 | 217 | 0 | 77.550 | Fig.78 |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 80 | 217 | 0 | 77.610 | Fig.79 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 217 | 0 | 77.550 | Fig.80 |
| CP-OFDM QPSK   | 2649.99 | 529998 | 80 | 217 | 0 | 77.520 | Fig.81 |
| CP-OFDM 16QAM  | 2649.99 | 529998 | 80 | 217 | 0 | 77.470 | Fig.82 |
| CP-OFDM 64QAM  | 2649.99 | 529998 | 80 | 217 | 0 | 77.550 | Fig.83 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 217 | 0 | 77.530 | Fig.84 |
| CP-OFDM QPSK   | 2541    | 508200 | 90 | 245 | 0 | 87.590 | Fig.85 |
| CP-OFDM 16QAM  | 2541    | 508200 | 90 | 245 | 0 | 87.590 | Fig.86 |
| CP-OFDM 64QAM  | 2541    | 508200 | 90 | 245 | 0 | 87.570 | Fig.87 |
| CP-OFDM 256QAM | 2541    | 508200 | 90 | 245 | 0 | 87.610 | Fig.88 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 90 | 245 | 0 | 87.390 | Fig.89 |

|                |         |        |     |     |   |        |         |
|----------------|---------|--------|-----|-----|---|--------|---------|
| CP-OFDM 16QAM  | 2592.99 | 518598 | 90  | 245 | 0 | 87.380 | Fig.90  |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 90  | 245 | 0 | 87.420 | Fig.91  |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90  | 245 | 0 | 87.560 | Fig.92  |
| CP-OFDM QPSK   | 2644.98 | 528996 | 90  | 245 | 0 | 87.510 | Fig.93  |
| CP-OFDM 16QAM  | 2644.98 | 528996 | 90  | 245 | 0 | 87.480 | Fig.94  |
| CP-OFDM 64QAM  | 2644.98 | 528996 | 90  | 245 | 0 | 87.640 | Fig.95  |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90  | 245 | 0 | 87.500 | Fig.96  |
| CP-OFDM QPSK   | 2546.01 | 509202 | 100 | 273 | 0 | 97.510 | Fig.97  |
| CP-OFDM 16QAM  | 2546.01 | 509202 | 100 | 273 | 0 | 97.570 | Fig.98  |
| CP-OFDM 64QAM  | 2546.01 | 509202 | 100 | 273 | 0 | 97.450 | Fig.99  |
| CP-OFDM 256QAM | 2546.01 | 509202 | 100 | 273 | 0 | 97.550 | Fig.100 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 100 | 273 | 0 | 97.350 | Fig.101 |
| CP-OFDM 16QAM  | 2592.99 | 518598 | 100 | 273 | 0 | 97.340 | Fig.102 |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 100 | 273 | 0 | 97.290 | Fig.103 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 273 | 0 | 97.330 | Fig.104 |
| CP-OFDM QPSK   | 2640    | 528000 | 100 | 273 | 0 | 97.560 | Fig.105 |
| CP-OFDM 16QAM  | 2640    | 528000 | 100 | 273 | 0 | 97.680 | Fig.106 |
| CP-OFDM 64QAM  | 2640    | 528000 | 100 | 273 | 0 | 97.660 | Fig.107 |
| CP-OFDM 256QAM | 2640    | 528000 | 100 | 273 | 0 | 97.520 | Fig.108 |

Test Plot:

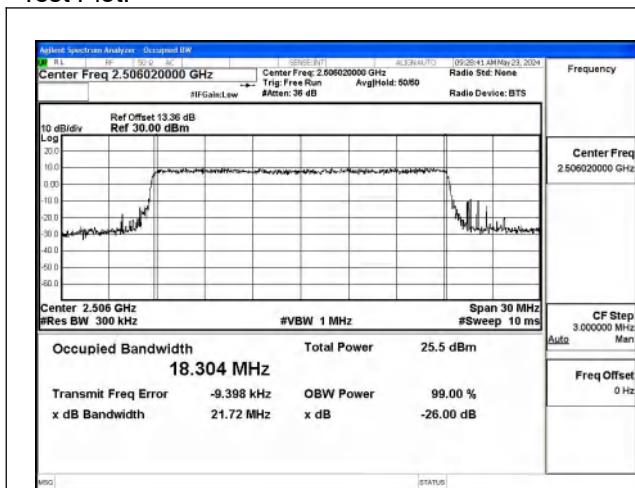


Fig.1

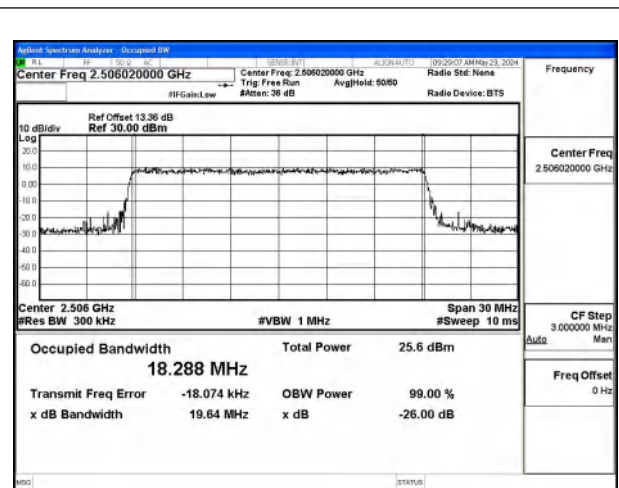


Fig.2

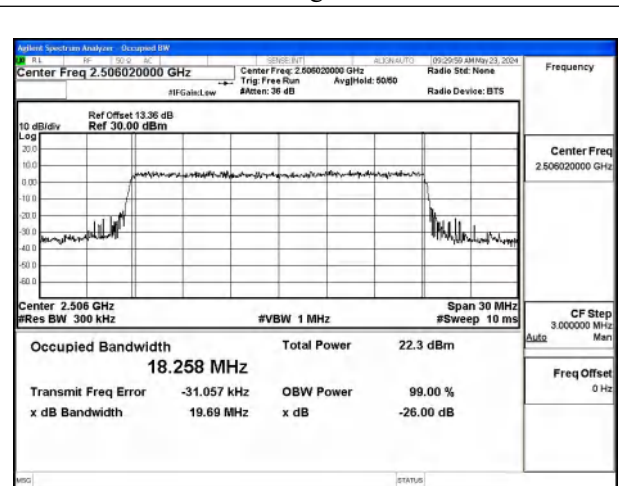
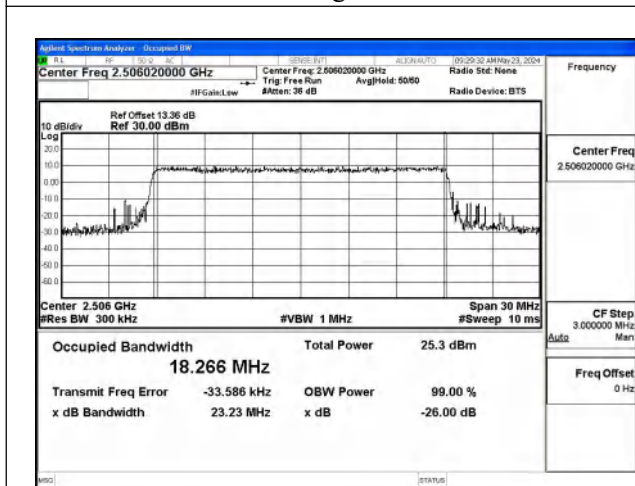


Fig.3

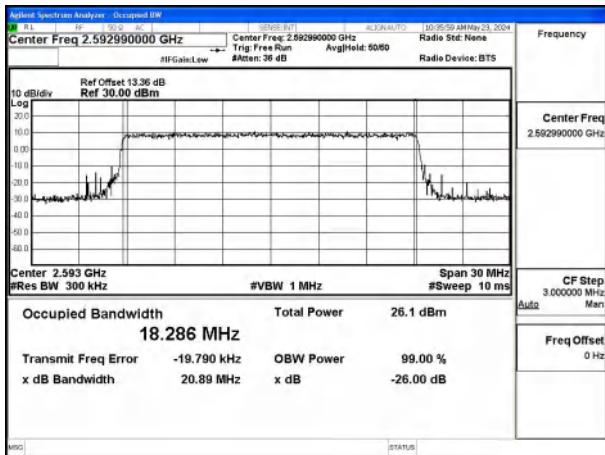


Fig.4

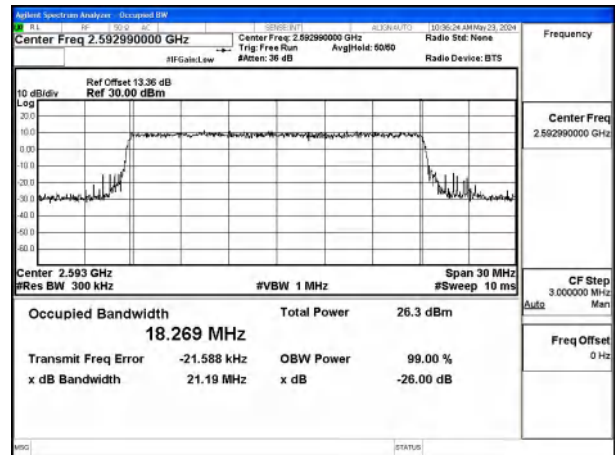


Fig.5

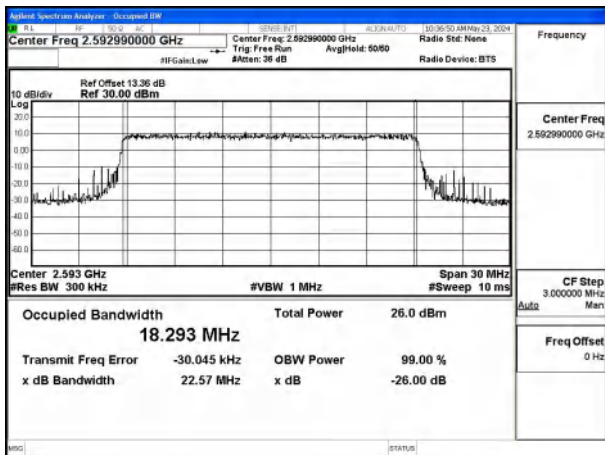


Fig.6

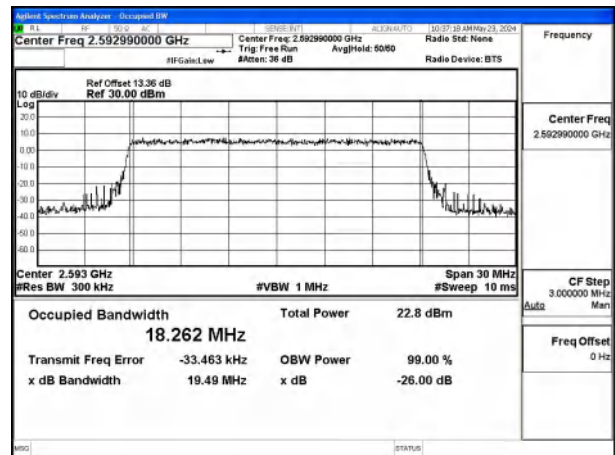


Fig.7

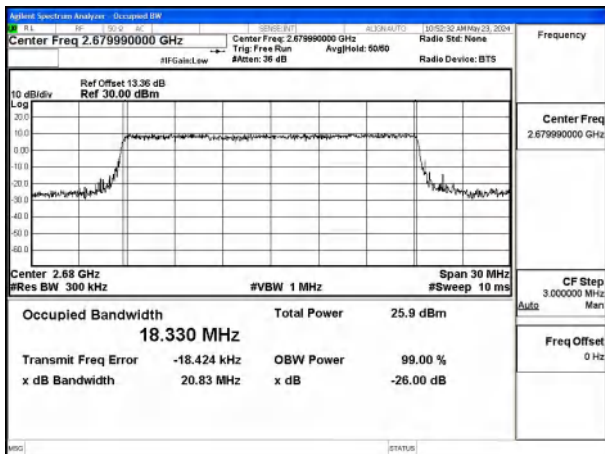


Fig.8

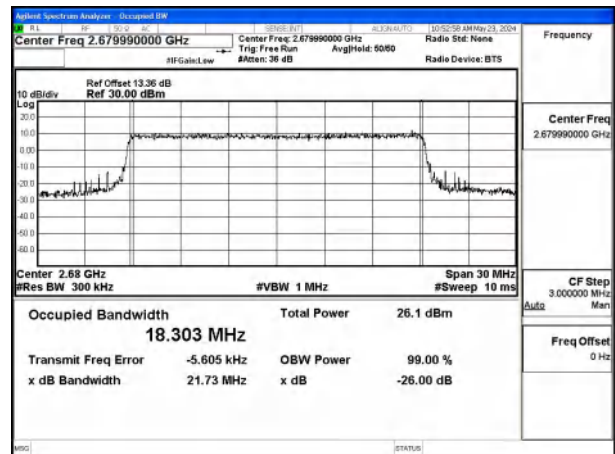


Fig.9

Fig.10

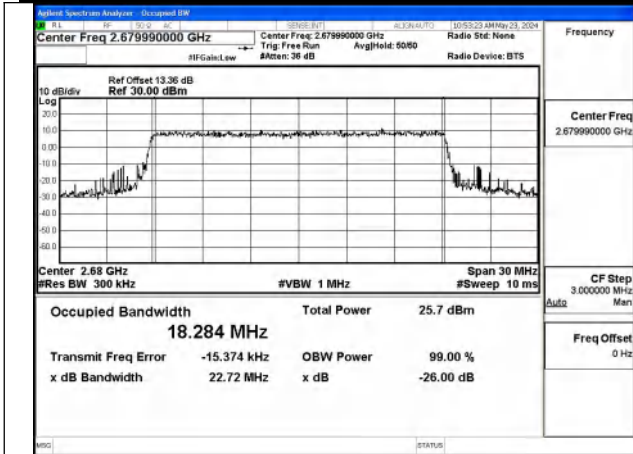


Fig.11

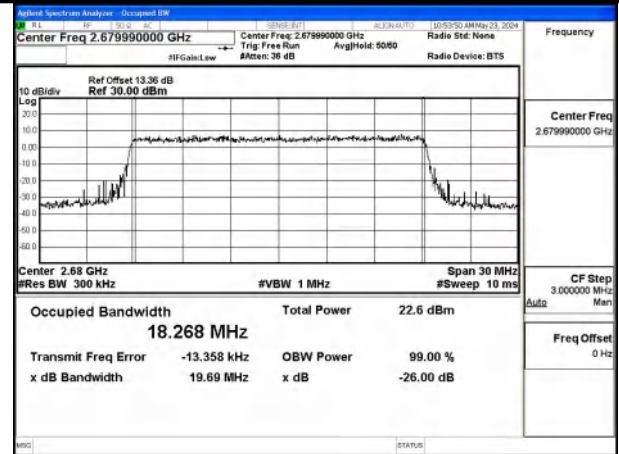


Fig.12

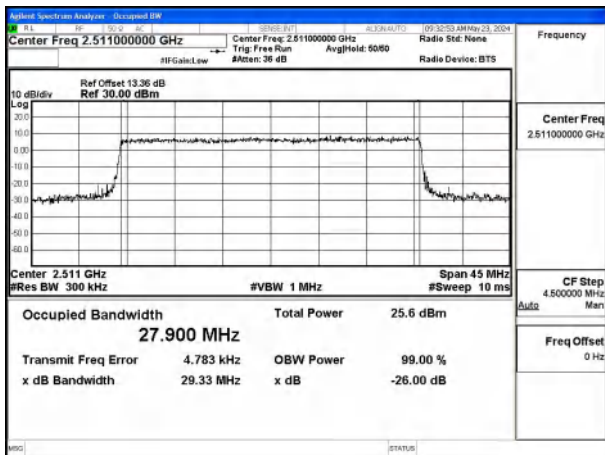


Fig.13

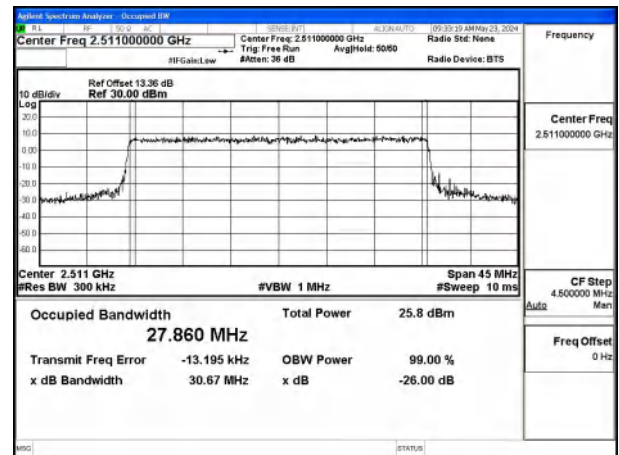


Fig.14

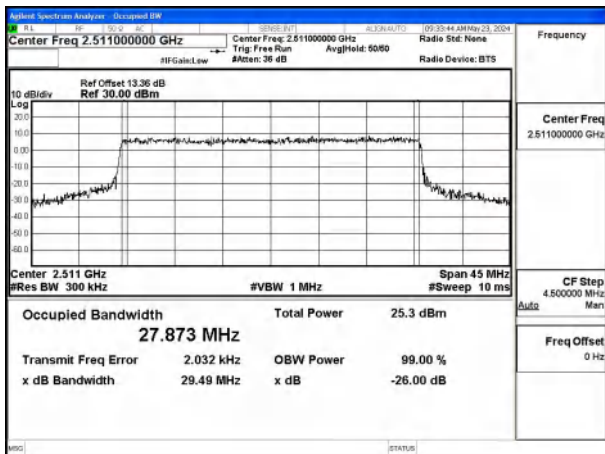


Fig.15

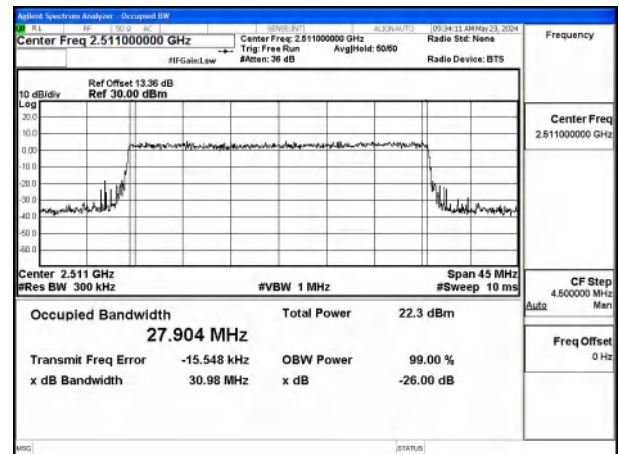


Fig.16

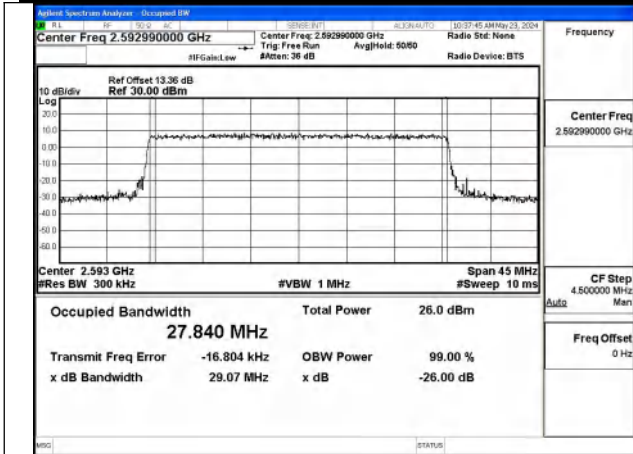


Fig.17

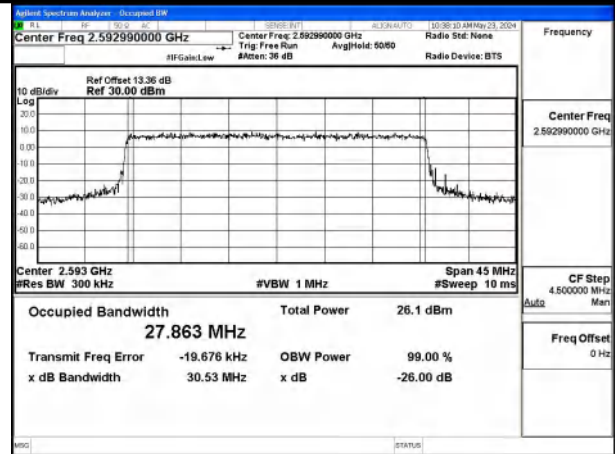


Fig.18

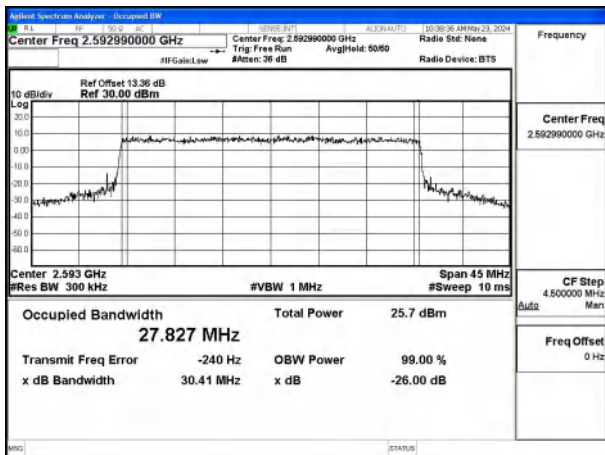


Fig.19

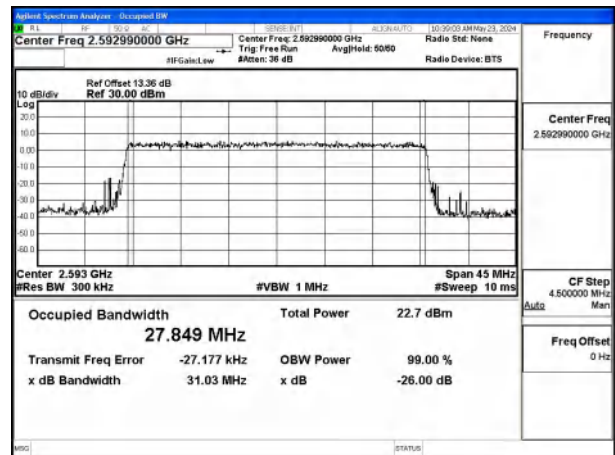


Fig.20

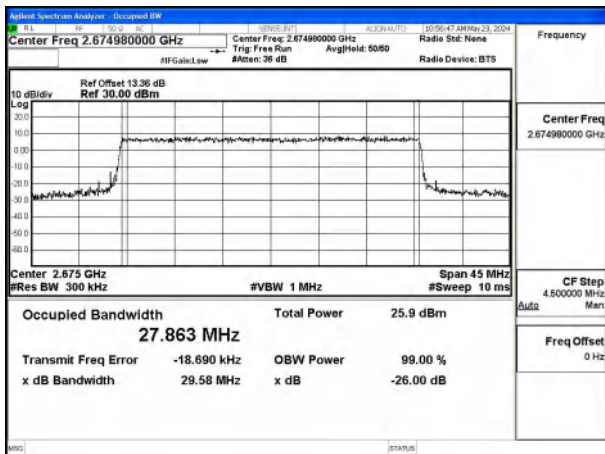


Fig.21

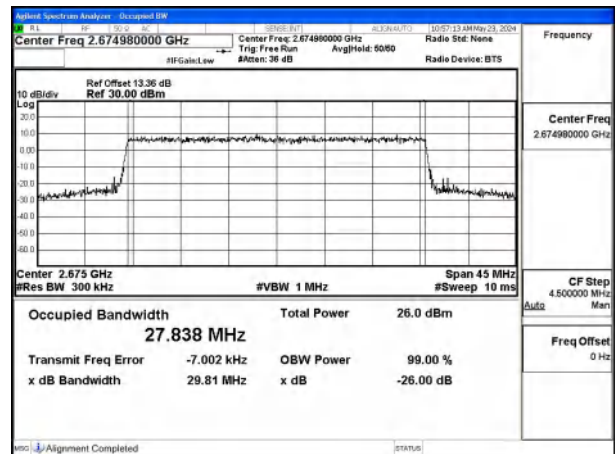


Fig.22

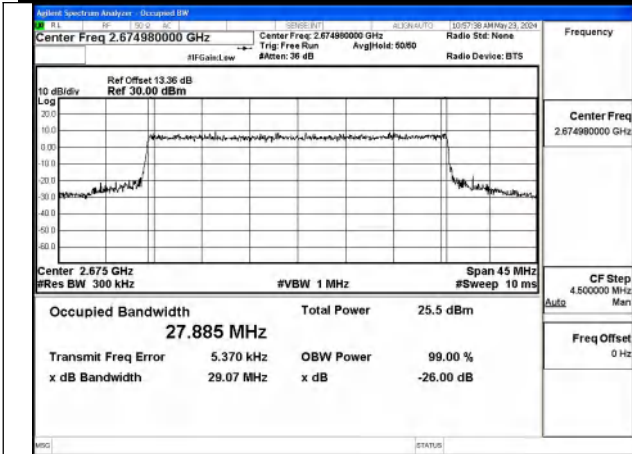


Fig.23

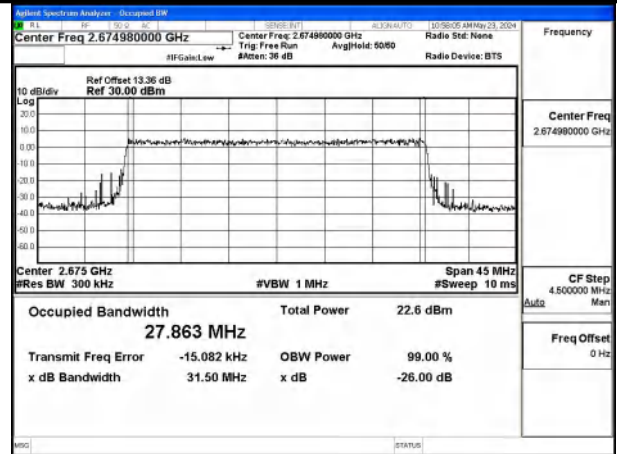


Fig.24

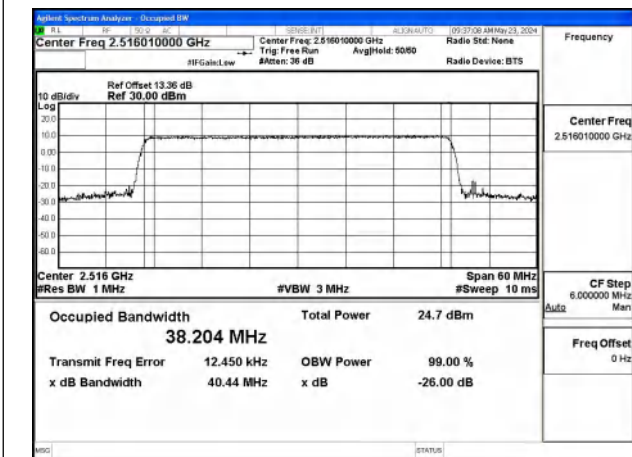


Fig.25

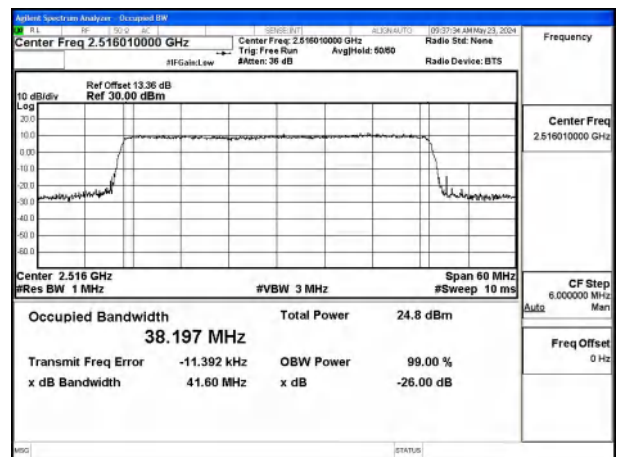


Fig.26

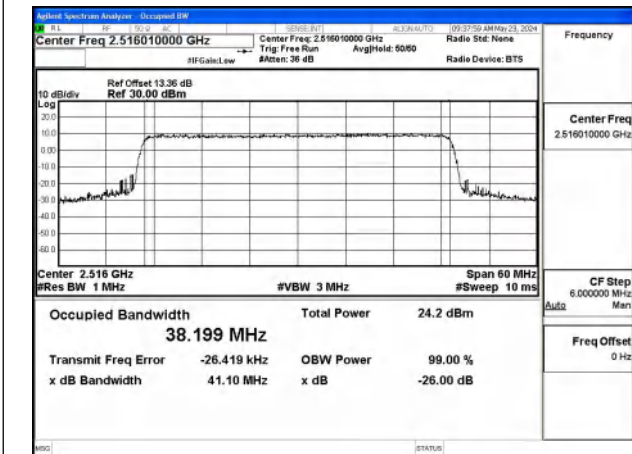


Fig.27

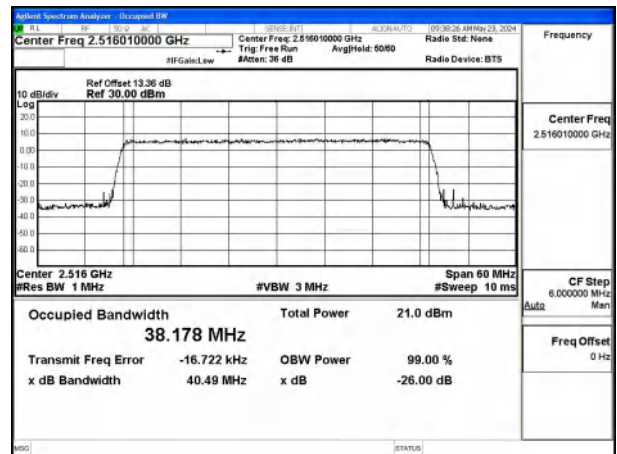


Fig.28

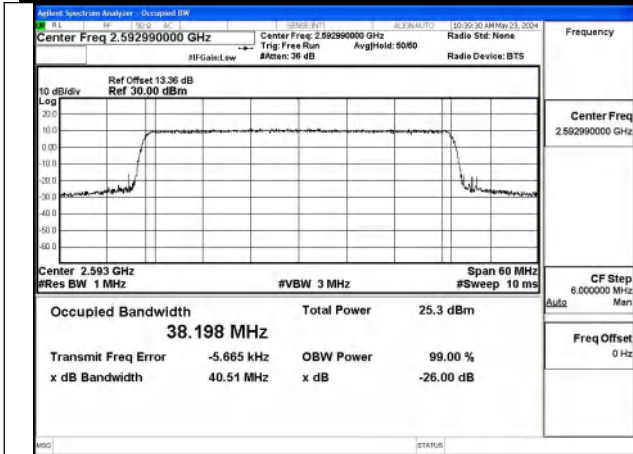


Fig.29

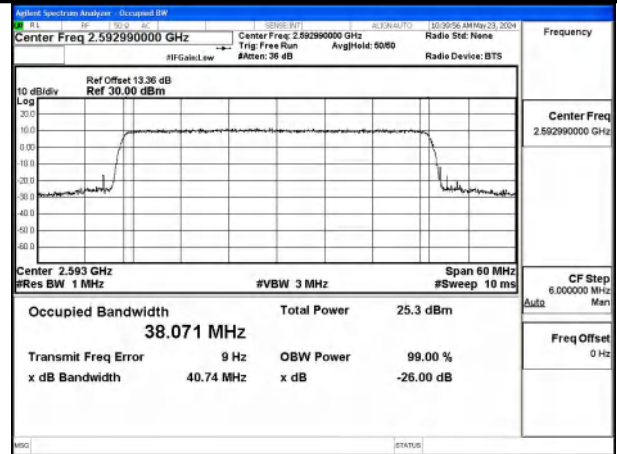


Fig.30

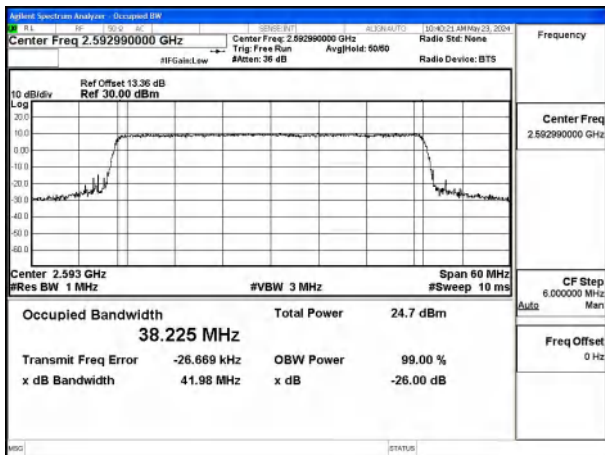


Fig.31

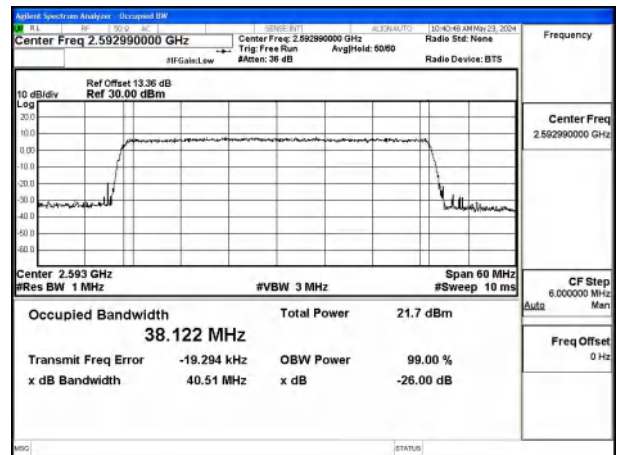


Fig.32

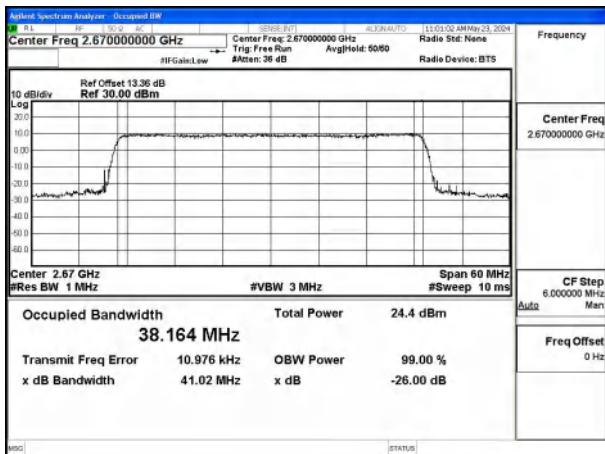


Fig.33

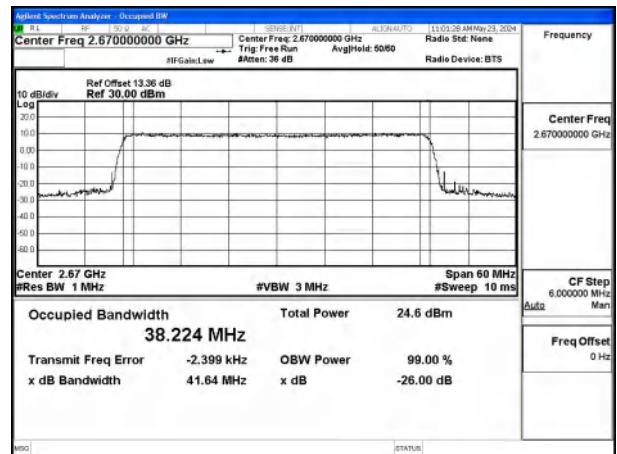


Fig.34

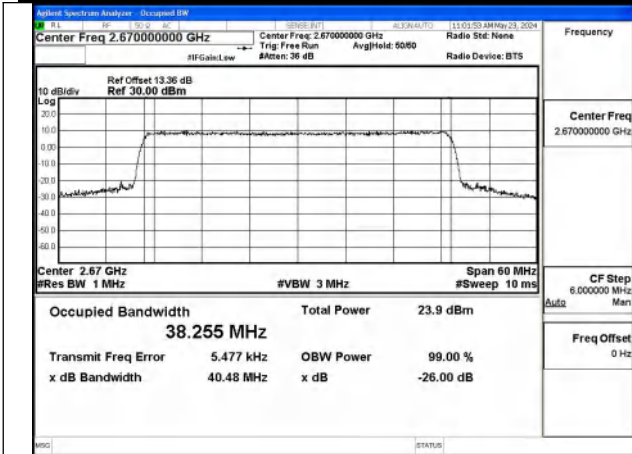


Fig.35

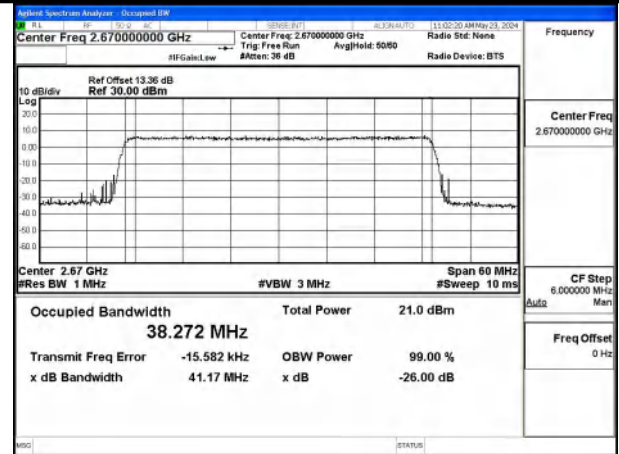


Fig.36

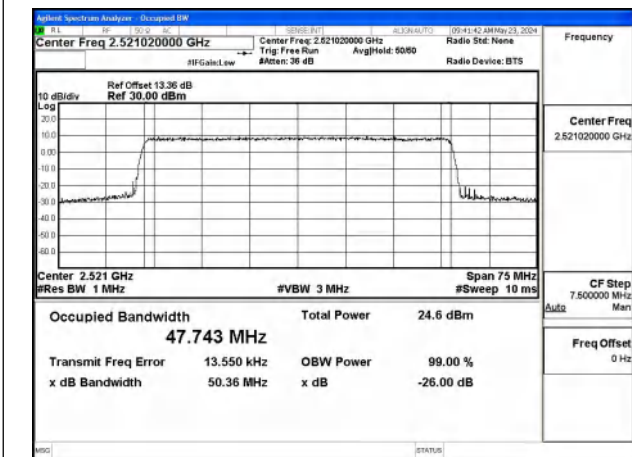


Fig.37

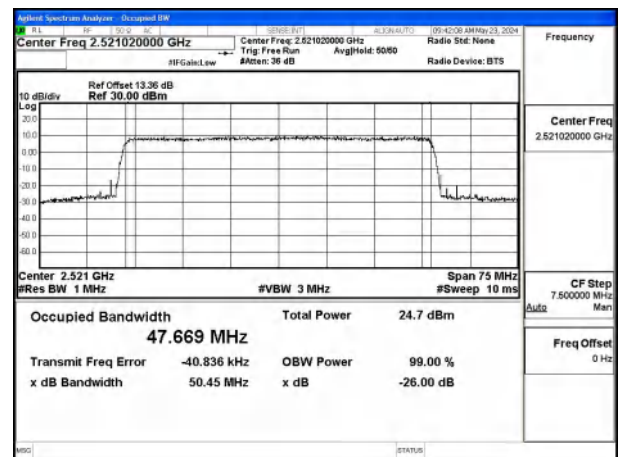


Fig.38

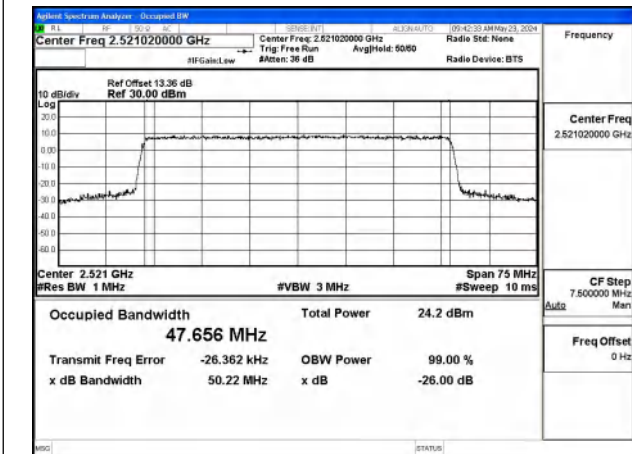


Fig.39

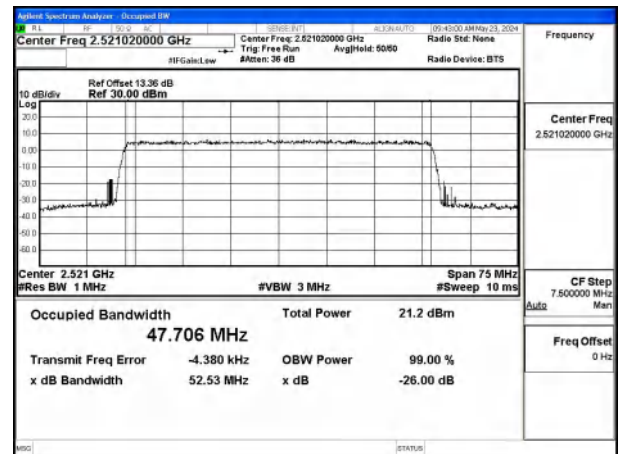


Fig.40

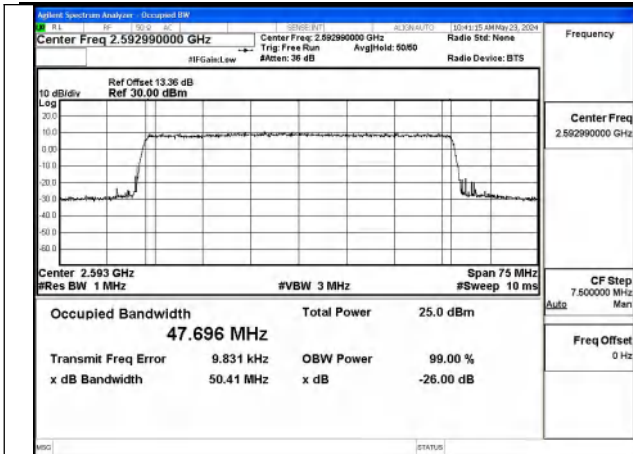


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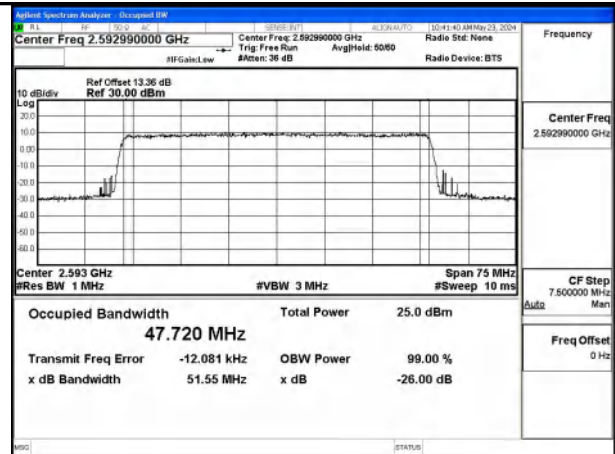


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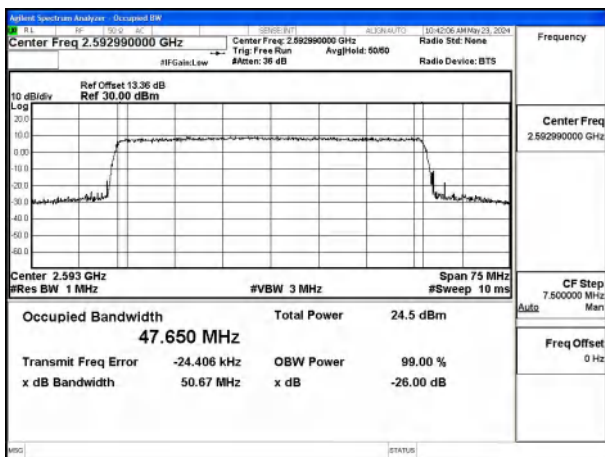


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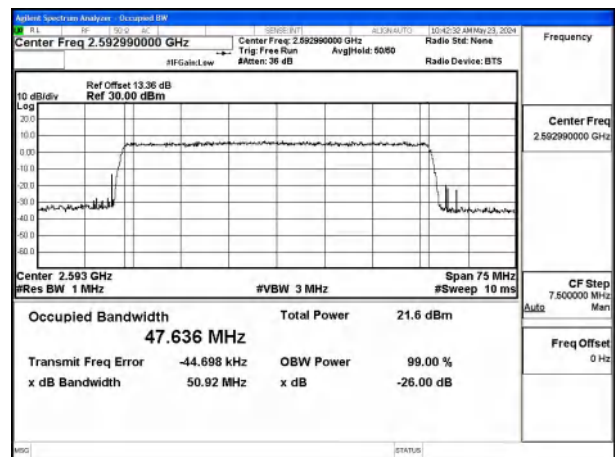


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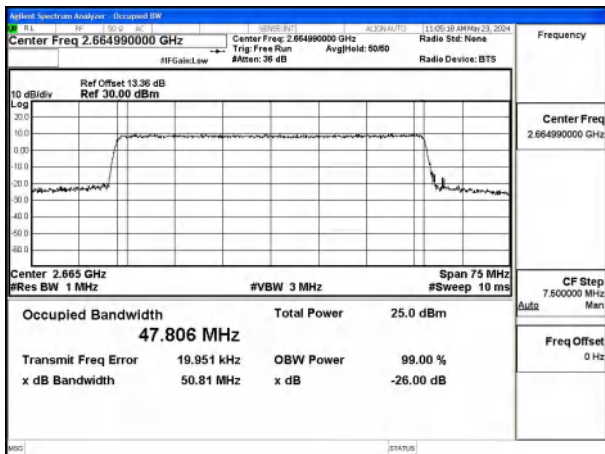


Fig.45

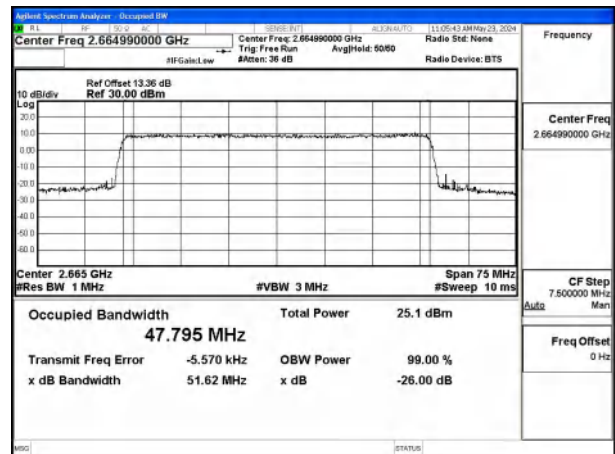


Fig.46

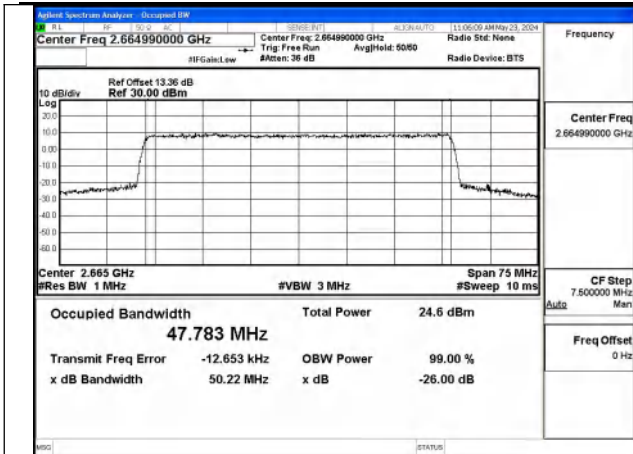


Fig.47

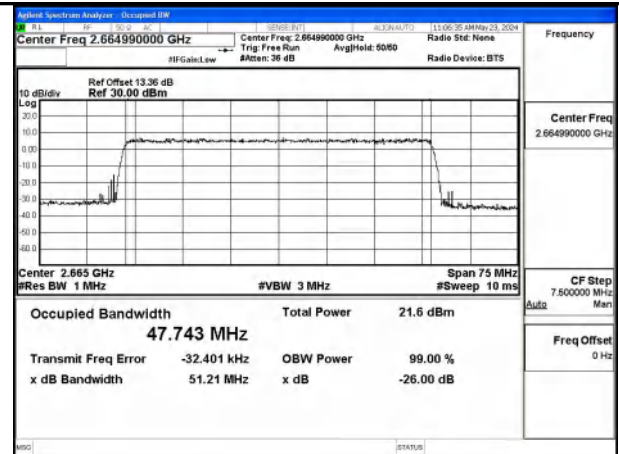


Fig.48

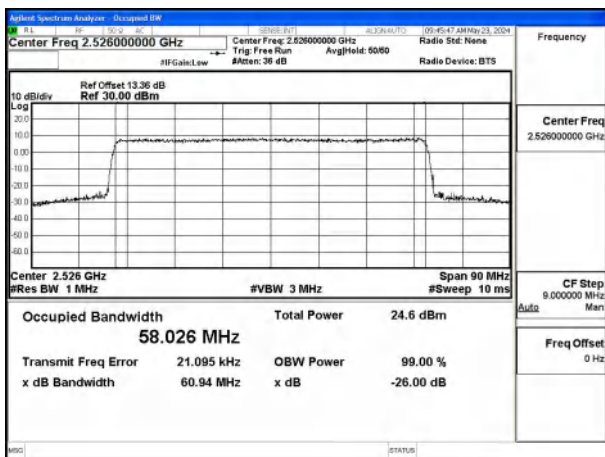


Fig.49

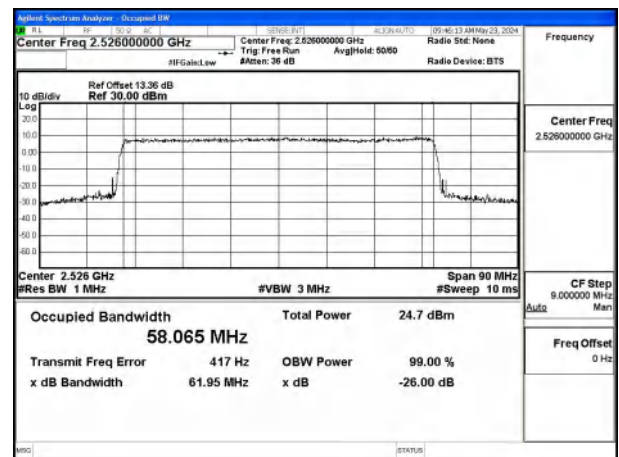


Fig.50

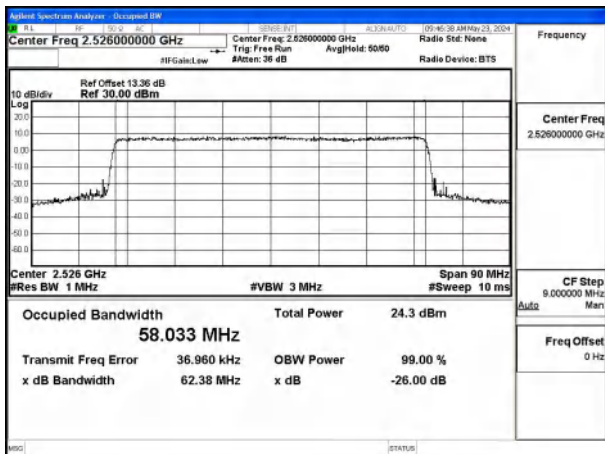


Fig.51

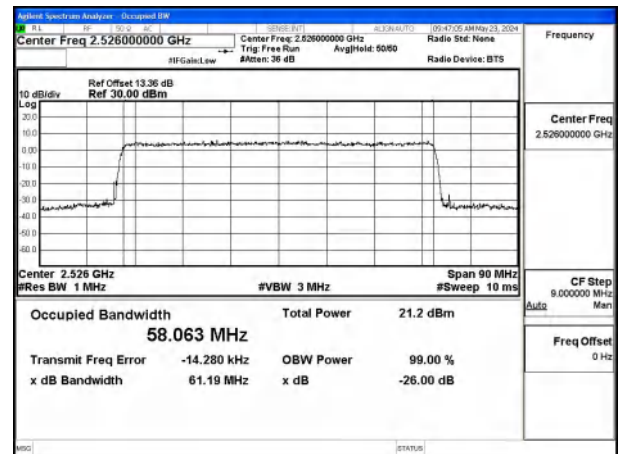


Fig.52

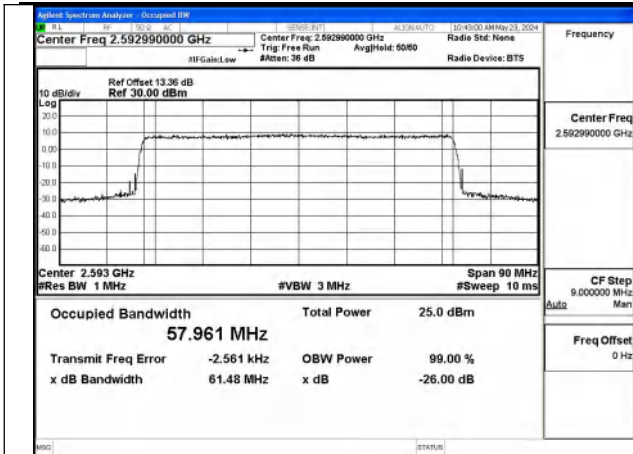


Fig.53

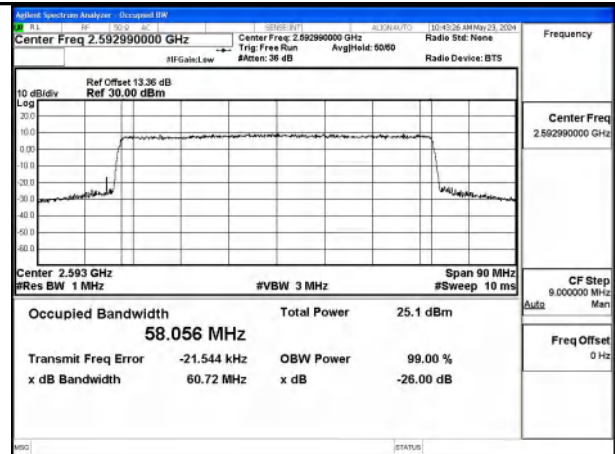


Fig.54

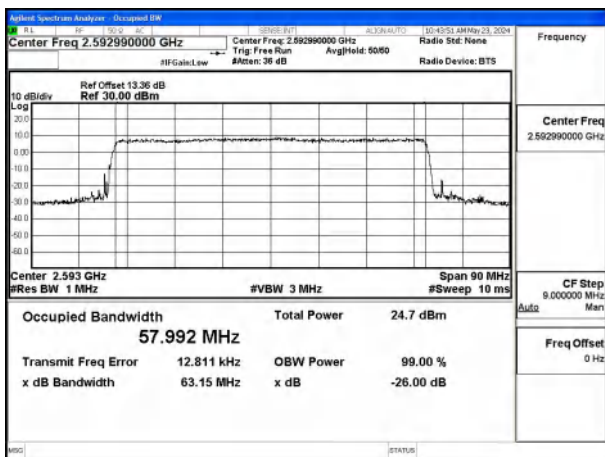


Fig.55

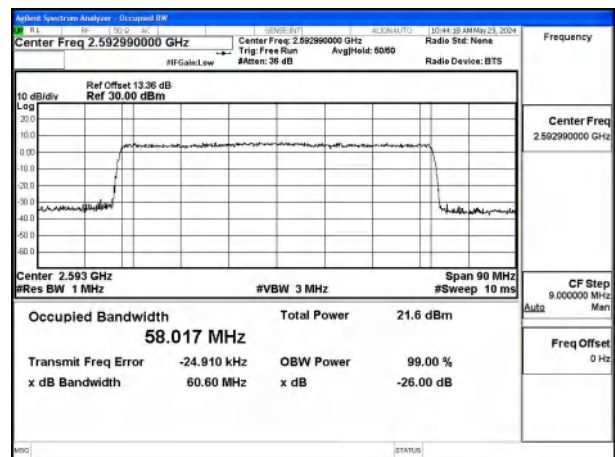


Fig.56

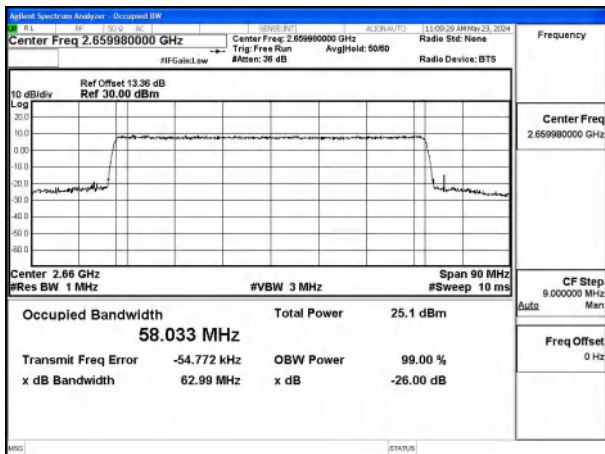


Fig.57

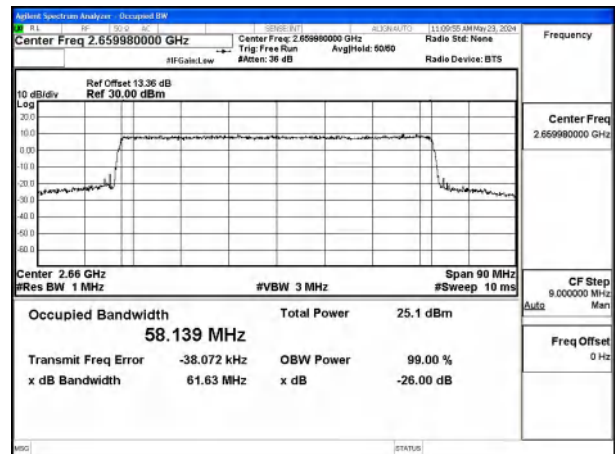


Fig.58

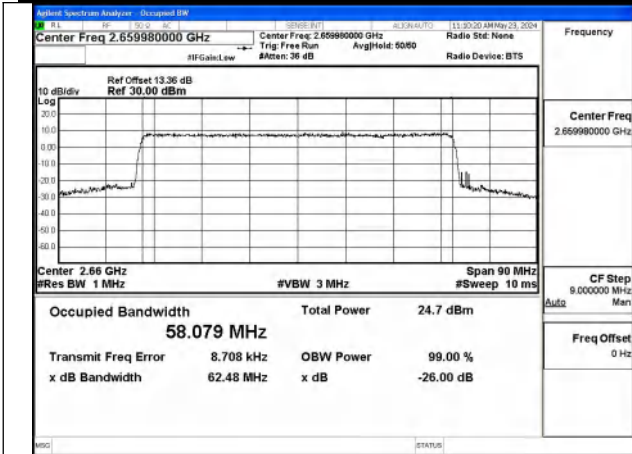


Fig.59

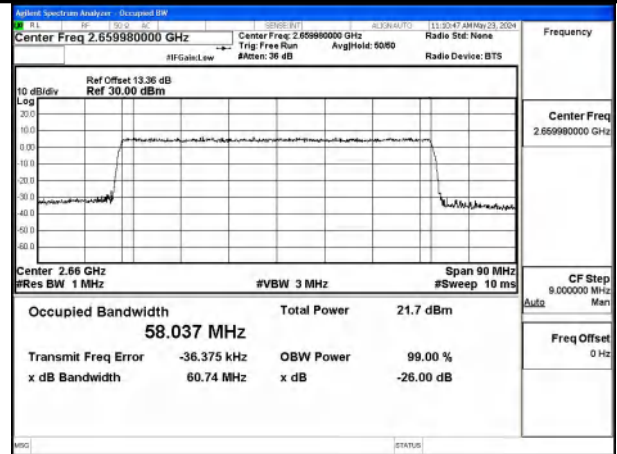


Fig.60

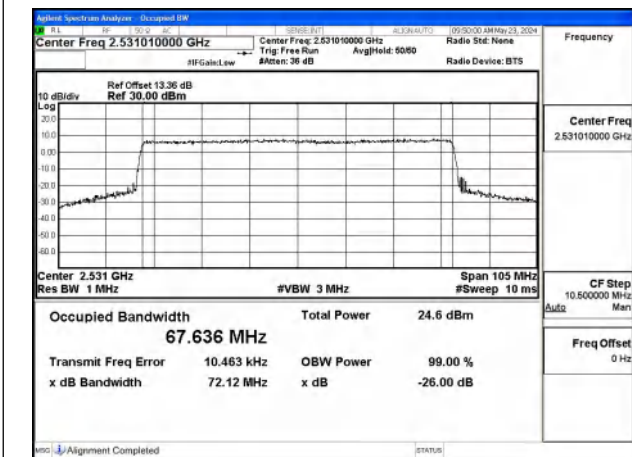


Fig.61

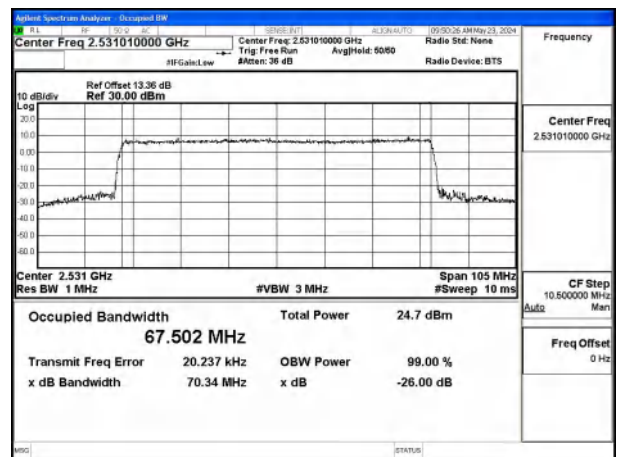


Fig.62

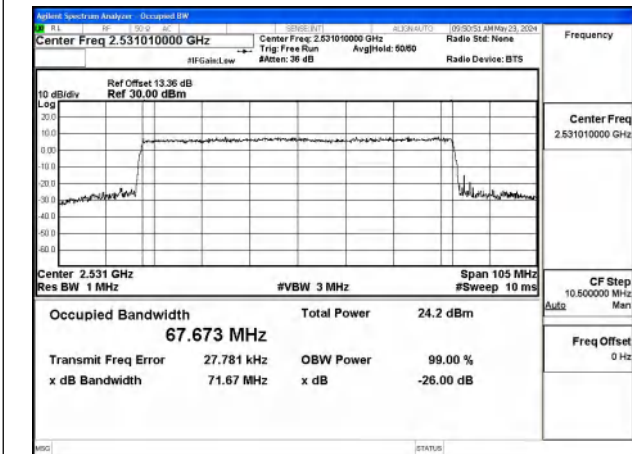


Fig.63

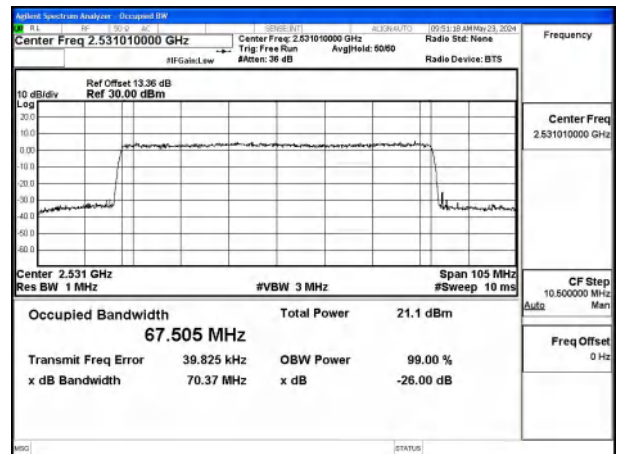


Fig.64

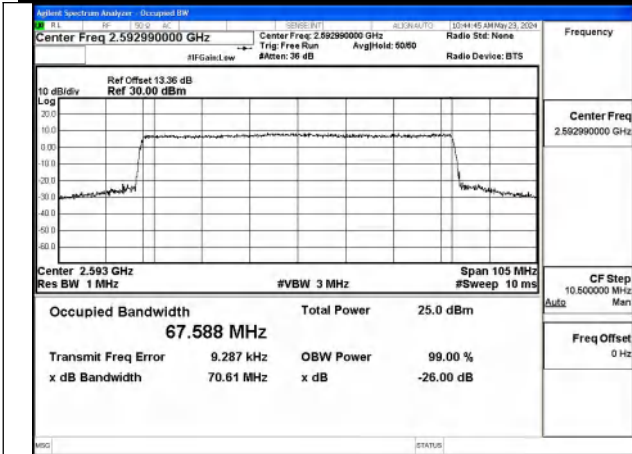


Fig.65

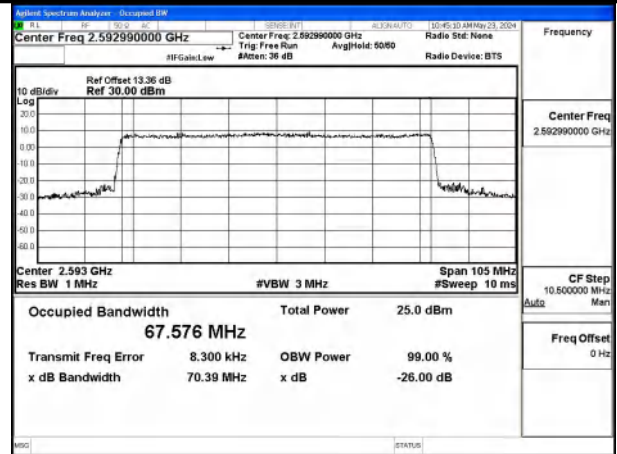


Fig.66

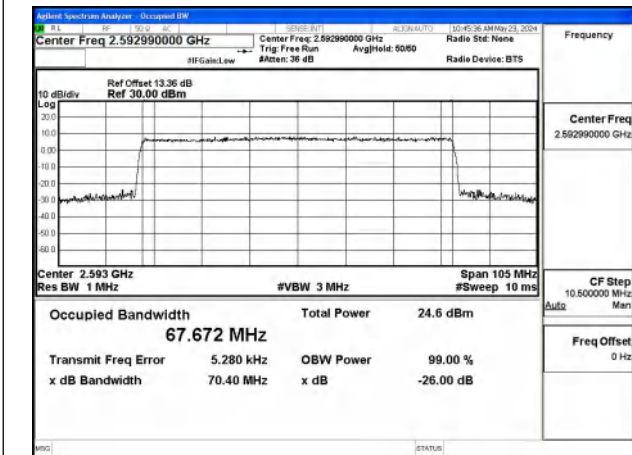


Fig.67

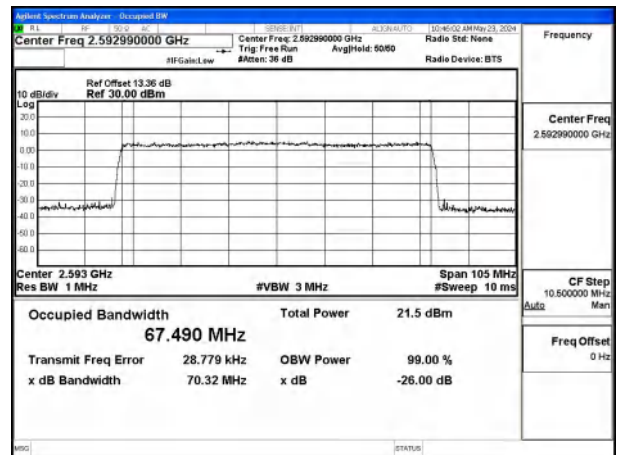


Fig.68

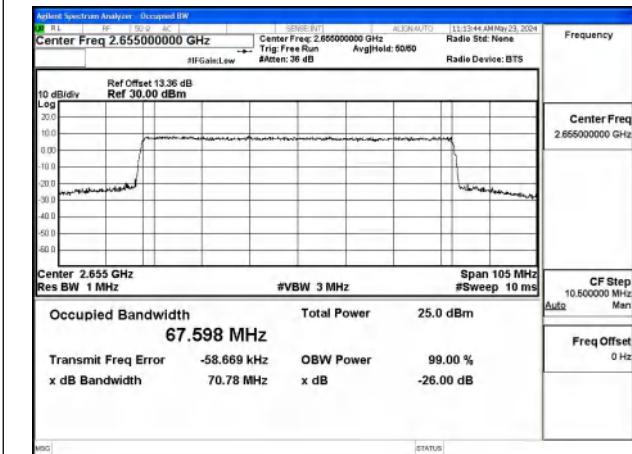


Fig.69

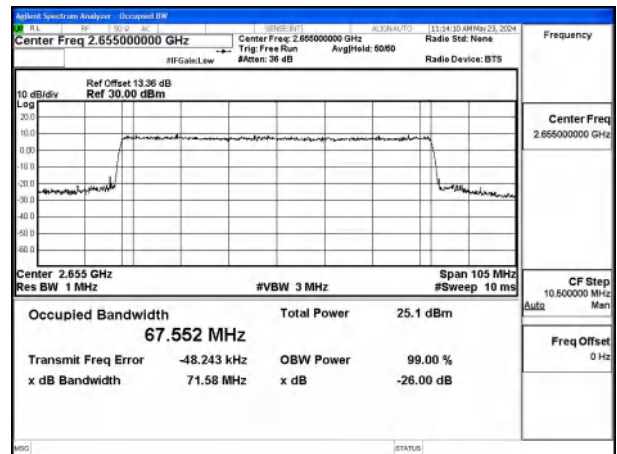


Fig.70

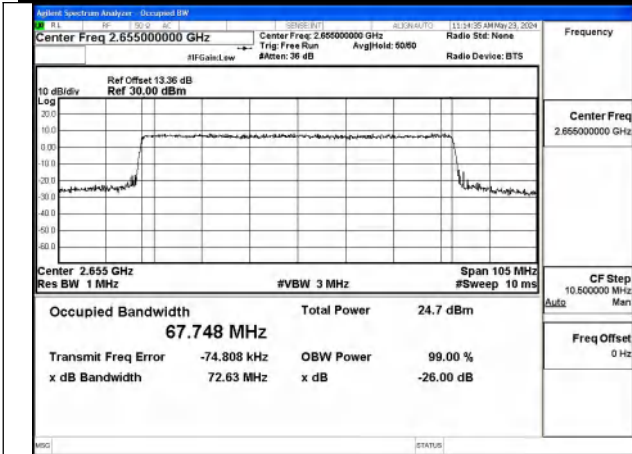


Fig.71

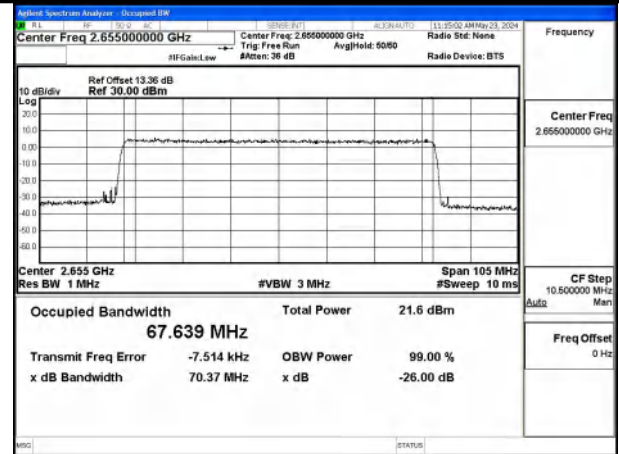


Fig.72

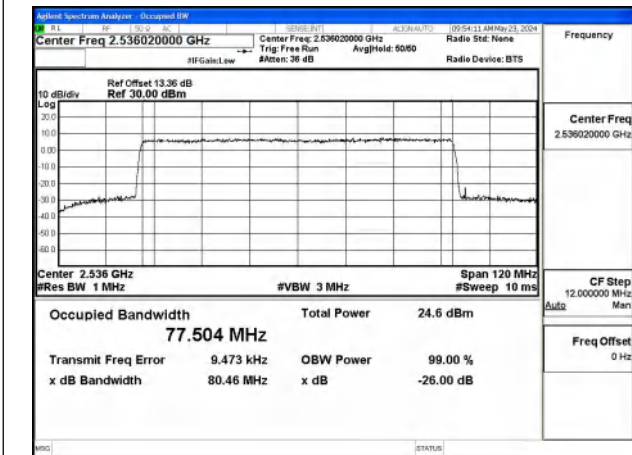


Fig.73

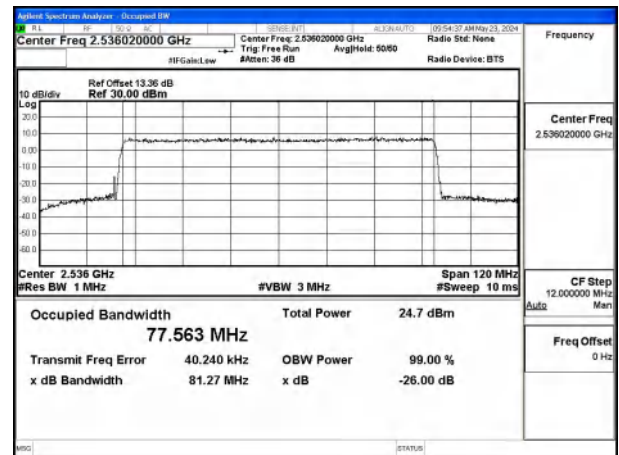


Fig.74

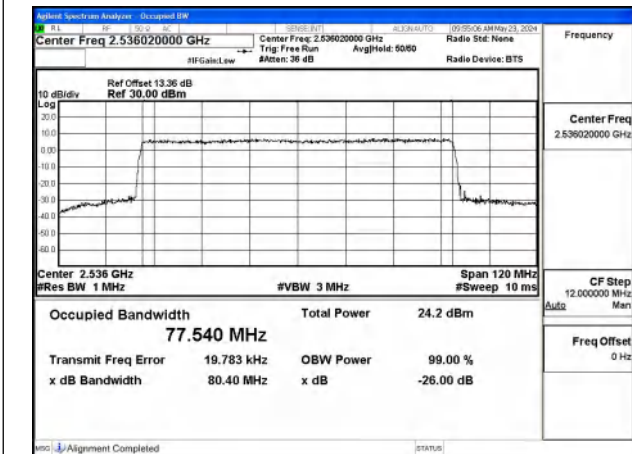


Fig.75

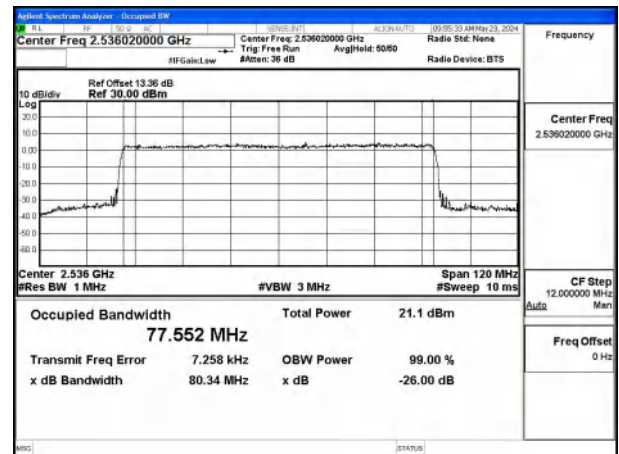


Fig.76

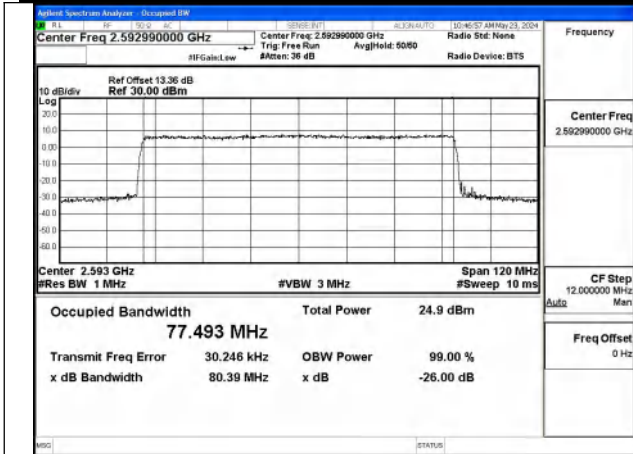


Fig.77

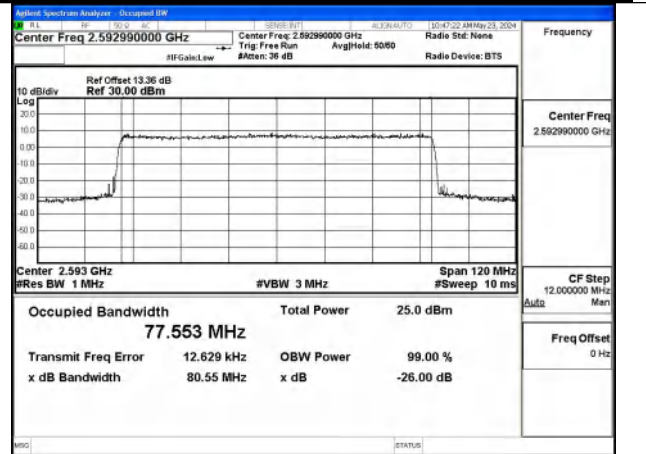


Fig.78

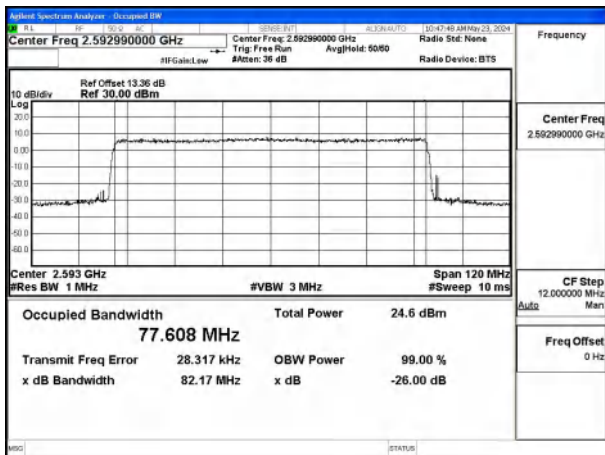


Fig.79

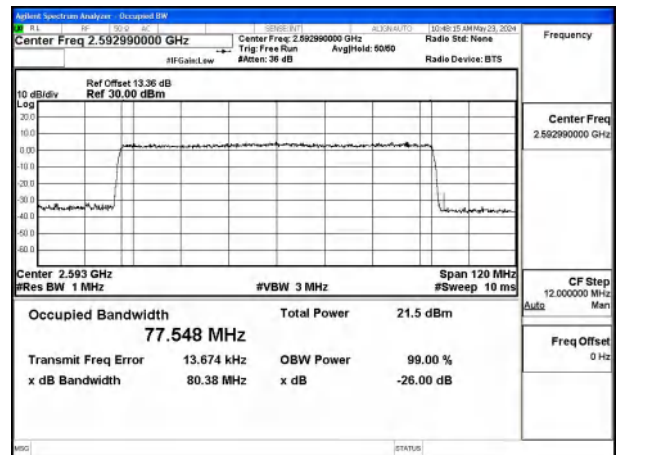


Fig.80

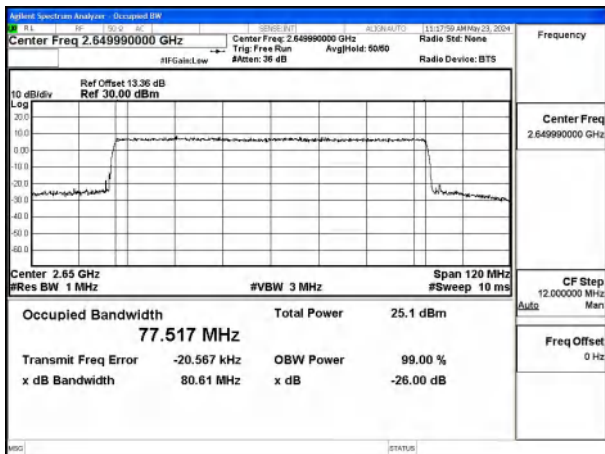


Fig.81

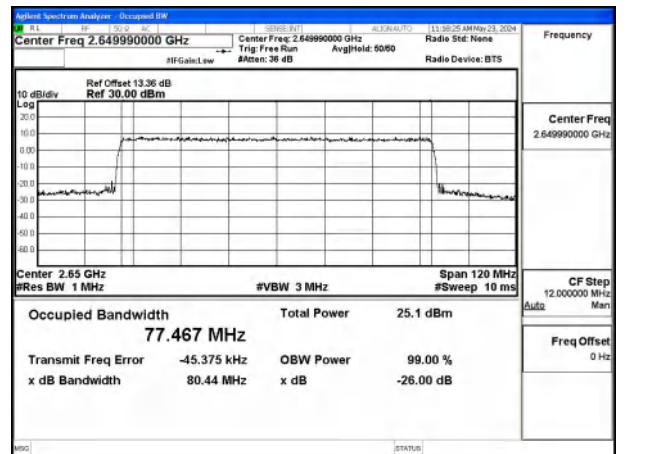


Fig.82

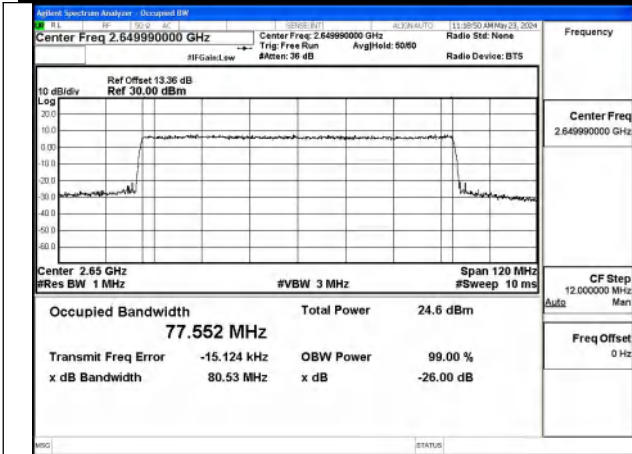


Fig.83

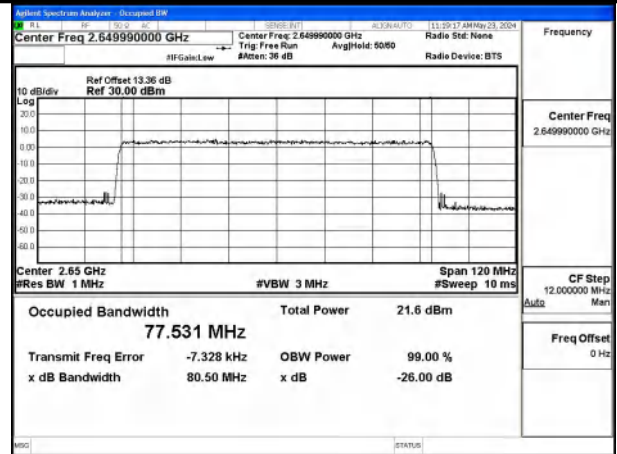


Fig.84

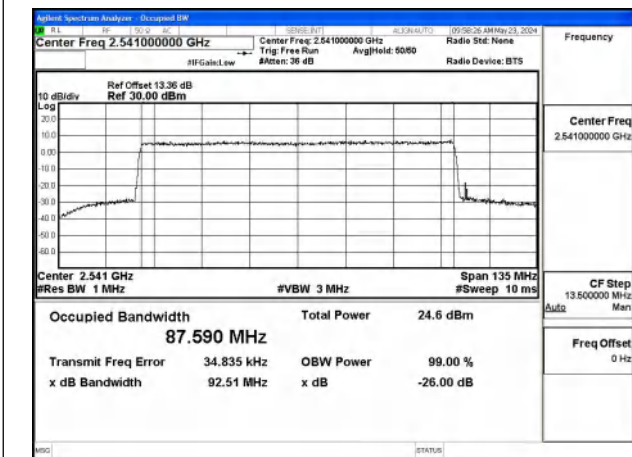


Fig.85

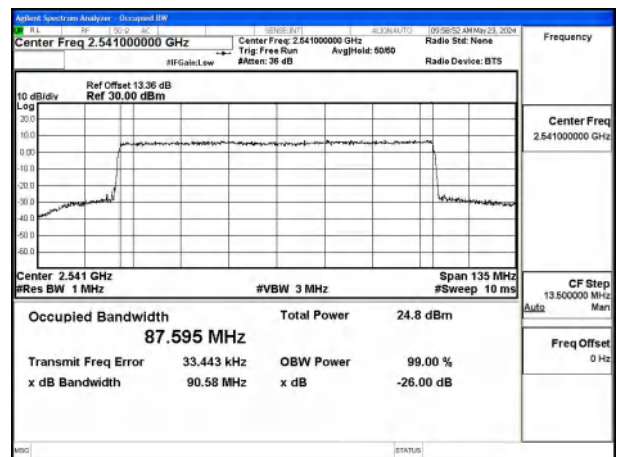


Fig.86

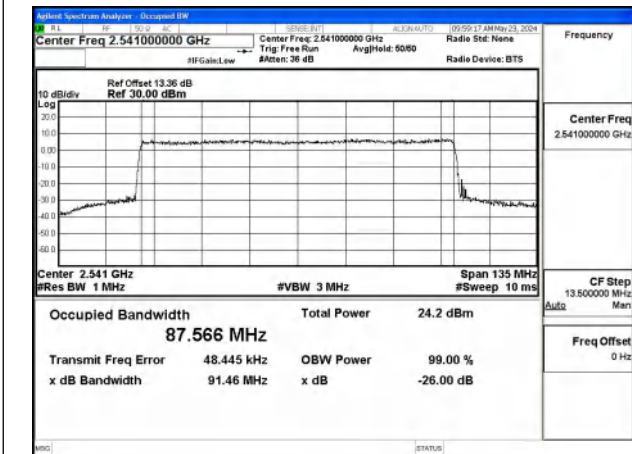


Fig.87

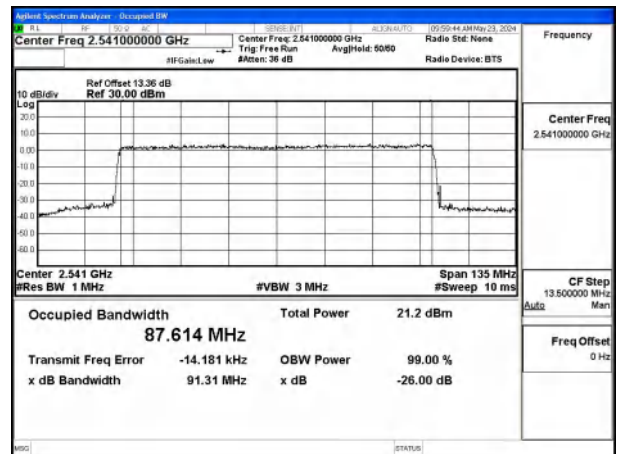


Fig.88

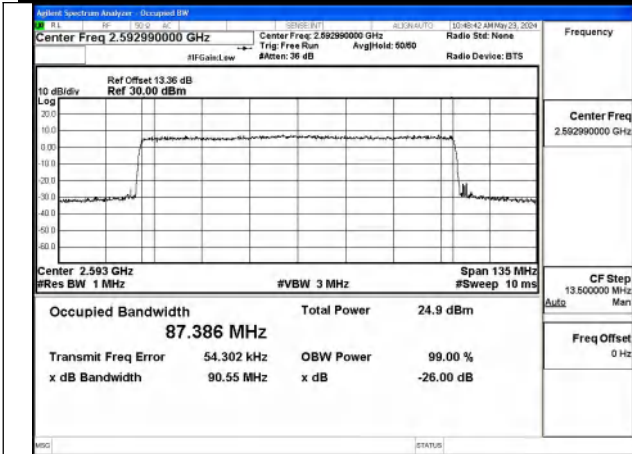


Fig.89

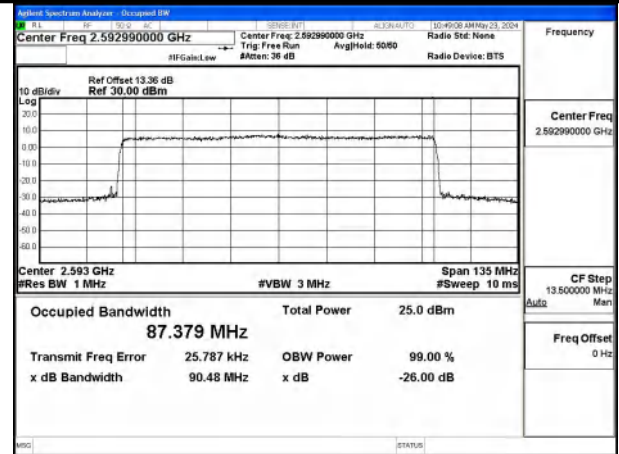


Fig.90

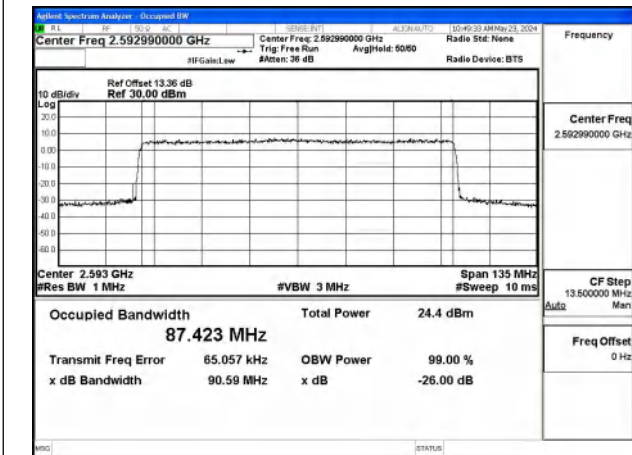


Fig.91

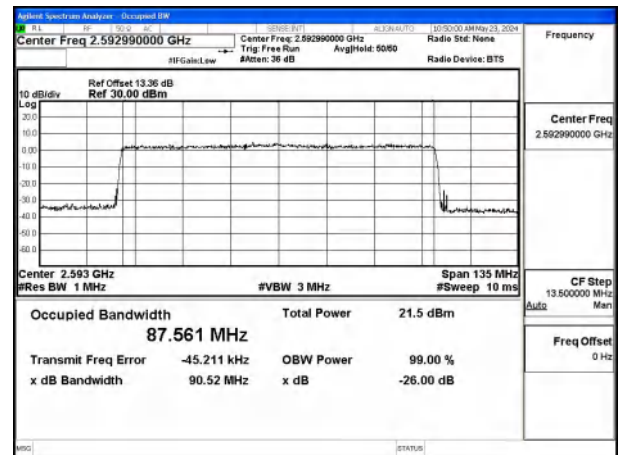


Fig.92

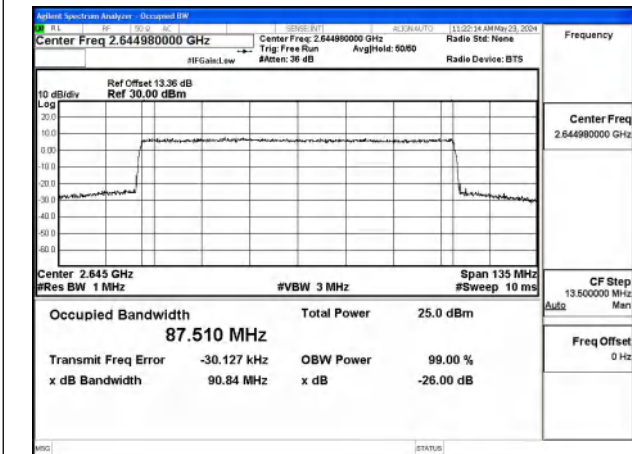


Fig.93

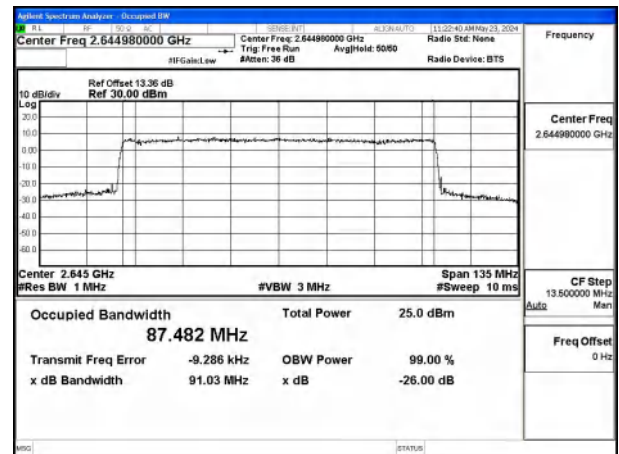


Fig.94

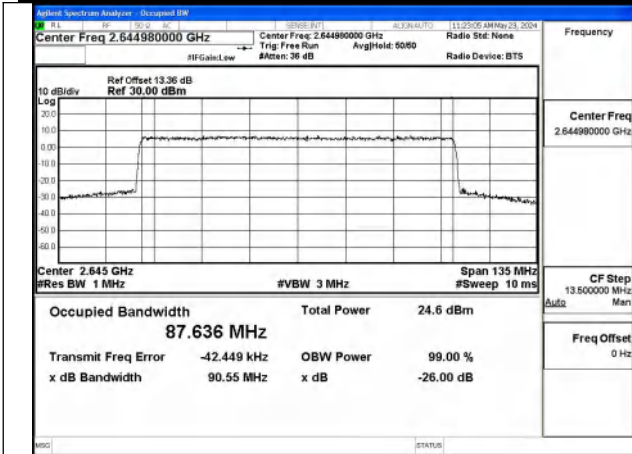


Fig.95

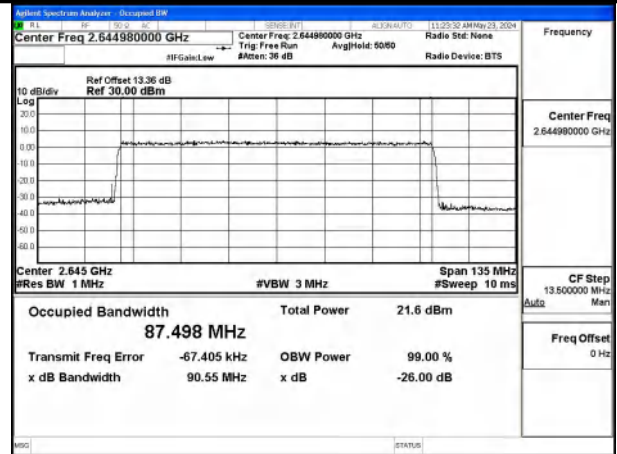


Fig.96

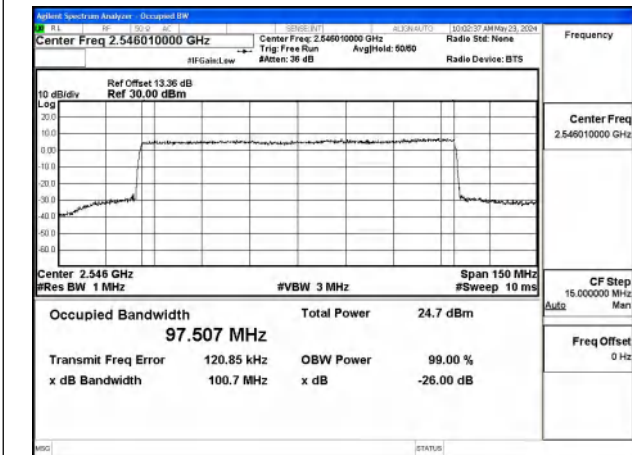


Fig.97

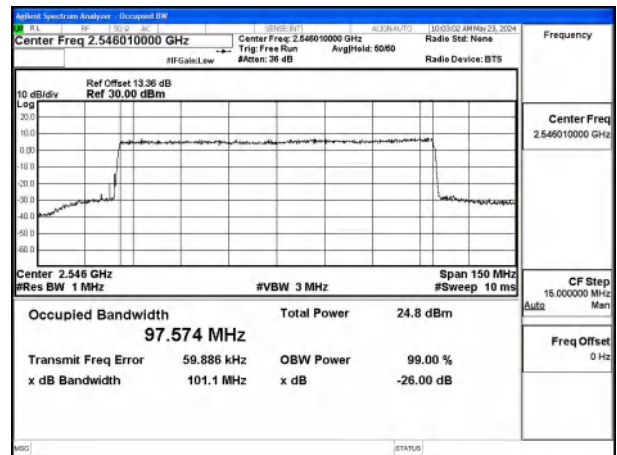


Fig.98

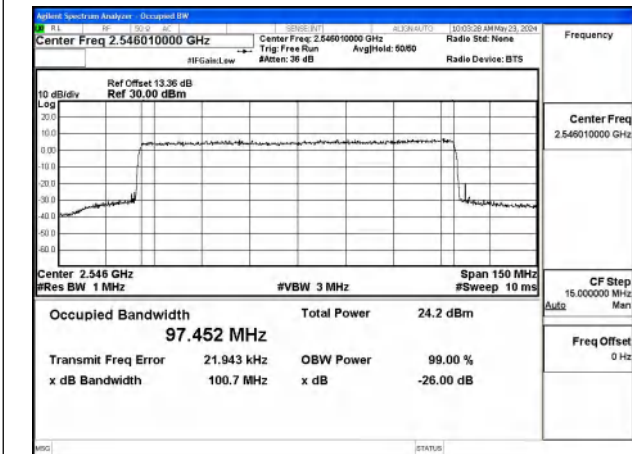


Fig.99

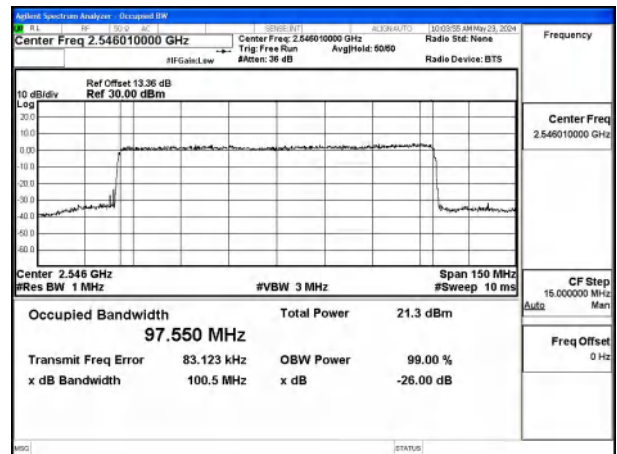


Fig.100

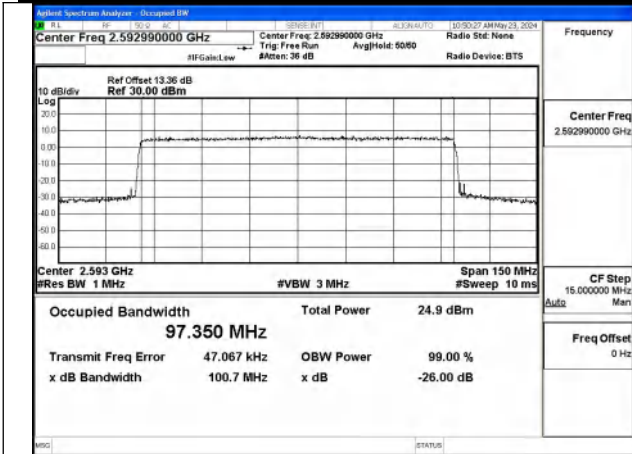


Fig.101

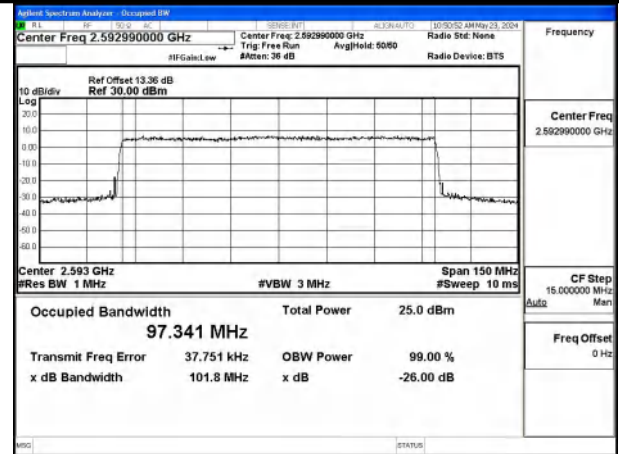


Fig.102

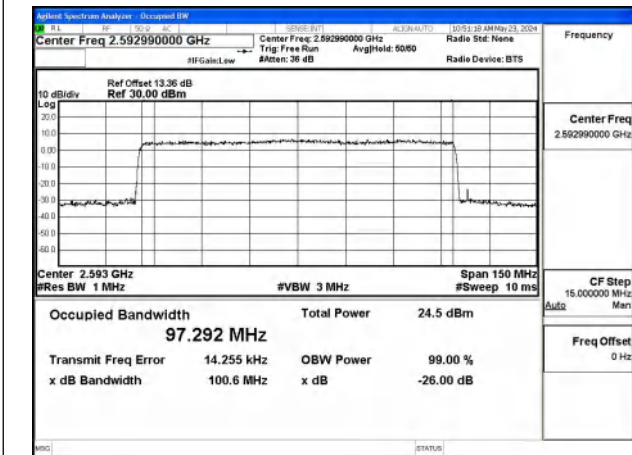


Fig.103

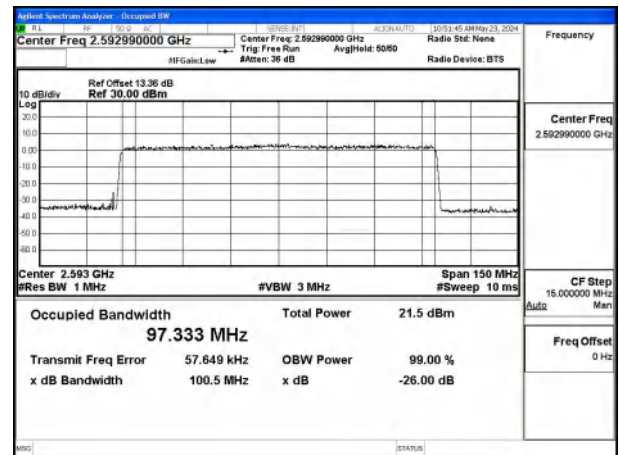


Fig.104

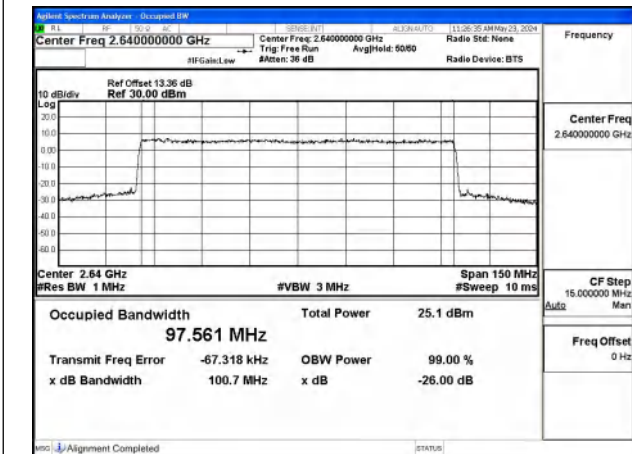


Fig.105

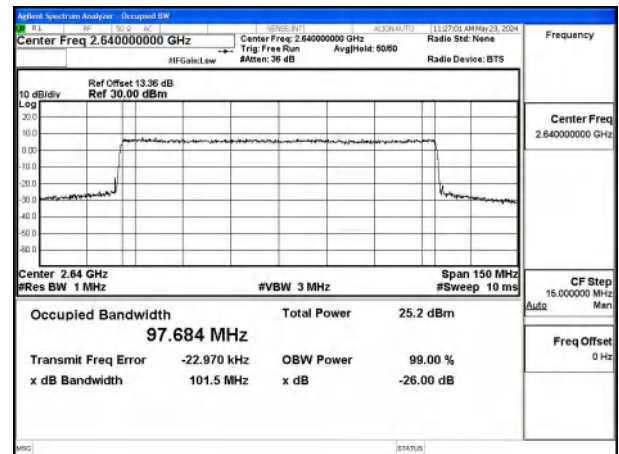


Fig.106

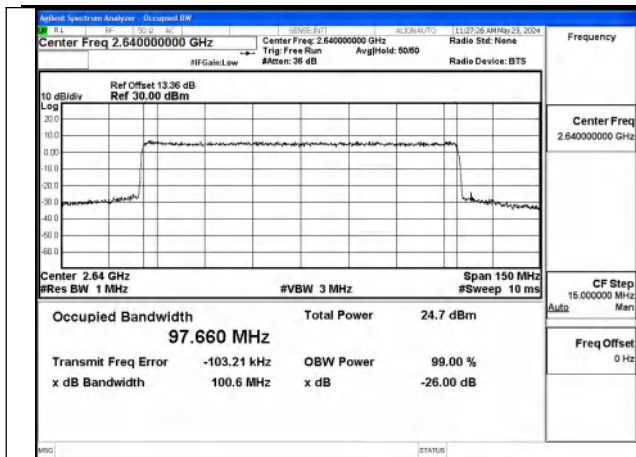


Fig.107

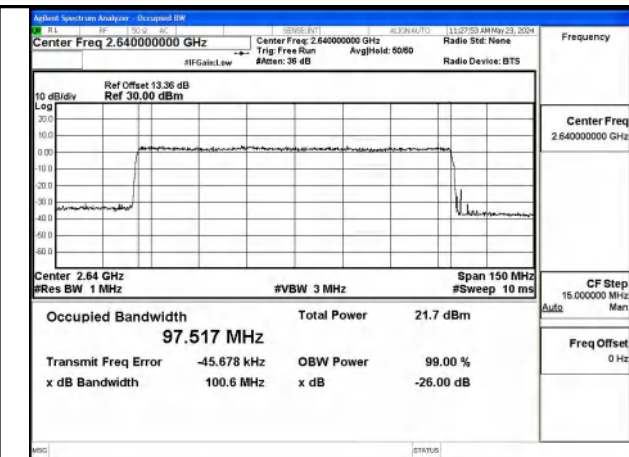


Fig.108

### 3 Emission Bandwidth

| Modulation     | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB Power (MHz) |        |
|----------------|-------------------------|------------|----------|---------|-----------|--------------------------------|--------|
| CP-OFDM QPSK   | 2506.02                 | 501204     | 20       | 51      | 0         | 21.720                         | Fig.1  |
| CP-OFDM 16QAM  | 2506.02                 | 501204     | 20       | 51      | 0         | 19.640                         | Fig.2  |
| CP-OFDM 64QAM  | 2506.02                 | 501204     | 20       | 51      | 0         | 23.230                         | Fig.3  |
| CP-OFDM 256QAM | 2506.02                 | 501204     | 20       | 51      | 0         | 19.690                         | Fig.4  |
| CP-OFDM QPSK   | 2592.99                 | 518598     | 20       | 51      | 0         | 20.890                         | Fig.5  |
| CP-OFDM 16QAM  | 2592.99                 | 518598     | 20       | 51      | 0         | 21.190                         | Fig.6  |
| CP-OFDM 64QAM  | 2592.99                 | 518598     | 20       | 51      | 0         | 22.570                         | Fig.7  |
| CP-OFDM 256QAM | 2592.99                 | 518598     | 20       | 51      | 0         | 19.490                         | Fig.8  |
| CP-OFDM QPSK   | 2679.99                 | 535998     | 20       | 51      | 0         | 20.830                         | Fig.9  |
| CP-OFDM 16QAM  | 2679.99                 | 535998     | 20       | 51      | 0         | 21.730                         | Fig.10 |
| CP-OFDM 64QAM  | 2679.99                 | 535998     | 20       | 51      | 0         | 22.720                         | Fig.11 |
| CP-OFDM 256QAM | 2679.99                 | 535998     | 20       | 51      | 0         | 19.690                         | Fig.12 |
| CP-OFDM QPSK   | 2511                    | 502200     | 30       | 78      | 0         | 29.330                         | Fig.13 |
| CP-OFDM 16QAM  | 2511                    | 502200     | 30       | 78      | 0         | 30.670                         | Fig.14 |
| CP-OFDM 64QAM  | 2511                    | 502200     | 30       | 78      | 0         | 29.490                         | Fig.15 |
| CP-OFDM 256QAM | 2511                    | 502200     | 30       | 78      | 0         | 30.980                         | Fig.16 |
| CP-OFDM QPSK   | 2592.99                 | 518598     | 30       | 78      | 0         | 29.070                         | Fig.17 |
| CP-OFDM 16QAM  | 2592.99                 | 518598     | 30       | 78      | 0         | 30.530                         | Fig.18 |
| CP-OFDM 64QAM  | 2592.99                 | 518598     | 30       | 78      | 0         | 30.410                         | Fig.19 |
| CP-OFDM 256QAM | 2592.99                 | 518598     | 30       | 78      | 0         | 31.030                         | Fig.20 |
| CP-OFDM QPSK   | 2674.98                 | 534996     | 30       | 78      | 0         | 29.580                         | Fig.21 |
| CP-OFDM 16QAM  | 2674.98                 | 534996     | 30       | 78      | 0         | 29.810                         | Fig.22 |
| CP-OFDM 64QAM  | 2674.98                 | 534996     | 30       | 78      | 0         | 29.070                         | Fig.23 |
| CP-OFDM 256QAM | 2674.98                 | 534996     | 30       | 78      | 0         | 31.500                         | Fig.24 |
| CP-OFDM QPSK   | 2516.01                 | 503202     | 40       | 106     | 0         | 40.440                         | Fig.25 |
| CP-OFDM 16QAM  | 2516.01                 | 503202     | 40       | 106     | 0         | 41.600                         | Fig.26 |
| CP-OFDM 64QAM  | 2516.01                 | 503202     | 40       | 106     | 0         | 41.100                         | Fig.27 |
| CP-OFDM 256QAM | 2516.01                 | 503202     | 40       | 106     | 0         | 40.490                         | Fig.28 |
| CP-OFDM QPSK   | 2592.99                 | 518598     | 40       | 106     | 0         | 40.510                         | Fig.29 |
| CP-OFDM 16QAM  | 2592.99                 | 518598     | 40       | 106     | 0         | 40.740                         | Fig.30 |
| CP-OFDM 64QAM  | 2592.99                 | 518598     | 40       | 106     | 0         | 41.980                         | Fig.31 |
| CP-OFDM 256QAM | 2592.99                 | 518598     | 40       | 106     | 0         | 40.510                         | Fig.32 |
| CP-OFDM QPSK   | 2670                    | 534000     | 40       | 106     | 0         | 41.020                         | Fig.33 |
| CP-OFDM 16QAM  | 2670                    | 534000     | 40       | 106     | 0         | 41.640                         | Fig.34 |
| CP-OFDM 64QAM  | 2670                    | 534000     | 40       | 106     | 0         | 40.480                         | Fig.35 |
| CP-OFDM 256QAM | 2670                    | 534000     | 40       | 106     | 0         | 41.170                         | Fig.36 |
| CP-OFDM QPSK   | 2521.02                 | 504204     | 50       | 133     | 0         | 50.360                         | Fig.37 |
| CP-OFDM 16QAM  | 2521.02                 | 504204     | 50       | 133     | 0         | 50.450                         | Fig.38 |
| CP-OFDM 64QAM  | 2521.02                 | 504204     | 50       | 133     | 0         | 50.220                         | Fig.39 |
| CP-OFDM 256QAM | 2521.02                 | 504204     | 50       | 133     | 0         | 52.530                         | Fig.40 |
| CP-OFDM QPSK   | 2592.99                 | 518598     | 50       | 133     | 0         | 50.410                         | Fig.41 |
| CP-OFDM 16QAM  | 2592.99                 | 518598     | 50       | 133     | 0         | 51.550                         | Fig.42 |
| CP-OFDM 64QAM  | 2592.99                 | 518598     | 50       | 133     | 0         | 50.670                         | Fig.43 |

|                |         |        |    |     |   |        |        |
|----------------|---------|--------|----|-----|---|--------|--------|
| CP-OFDM 256QAM | 2592.99 | 518598 | 50 | 133 | 0 | 50.920 | Fig.44 |
| CP-OFDM QPSK   | 2664.99 | 532998 | 50 | 133 | 0 | 50.810 | Fig.45 |
| CP-OFDM 16QAM  | 2664.99 | 532998 | 50 | 133 | 0 | 51.620 | Fig.46 |
| CP-OFDM 64QAM  | 2664.99 | 532998 | 50 | 133 | 0 | 50.220 | Fig.47 |
| CP-OFDM 256QAM | 2664.99 | 532998 | 50 | 133 | 0 | 51.210 | Fig.48 |
| CP-OFDM QPSK   | 2526    | 505200 | 60 | 162 | 0 | 60.940 | Fig.49 |
| CP-OFDM 16QAM  | 2526    | 505200 | 60 | 162 | 0 | 61.950 | Fig.50 |
| CP-OFDM 64QAM  | 2526    | 505200 | 60 | 162 | 0 | 62.380 | Fig.51 |
| CP-OFDM 256QAM | 2526    | 505200 | 60 | 162 | 0 | 61.190 | Fig.52 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 60 | 162 | 0 | 61.480 | Fig.53 |
| CP-OFDM 16QAM  | 2592.99 | 518598 | 60 | 162 | 0 | 60.720 | Fig.54 |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 60 | 162 | 0 | 63.150 | Fig.55 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 60 | 162 | 0 | 60.600 | Fig.56 |
| CP-OFDM QPSK   | 2659.98 | 531996 | 60 | 162 | 0 | 62.990 | Fig.57 |
| CP-OFDM 16QAM  | 2659.98 | 531996 | 60 | 162 | 0 | 61.630 | Fig.58 |
| CP-OFDM 64QAM  | 2659.98 | 531996 | 60 | 162 | 0 | 62.480 | Fig.59 |
| CP-OFDM 256QAM | 2659.98 | 531996 | 60 | 162 | 0 | 60.740 | Fig.60 |
| CP-OFDM QPSK   | 2531.01 | 506202 | 70 | 189 | 0 | 72.120 | Fig.61 |
| CP-OFDM 16QAM  | 2531.01 | 506202 | 70 | 189 | 0 | 70.340 | Fig.62 |
| CP-OFDM 64QAM  | 2531.01 | 506202 | 70 | 189 | 0 | 71.670 | Fig.63 |
| CP-OFDM 256QAM | 2531.01 | 506202 | 70 | 189 | 0 | 70.370 | Fig.64 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 70 | 189 | 0 | 70.610 | Fig.65 |
| CP-OFDM 16QAM  | 2592.99 | 518598 | 70 | 189 | 0 | 70.390 | Fig.66 |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 70 | 189 | 0 | 70.400 | Fig.67 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 70 | 189 | 0 | 70.320 | Fig.68 |
| CP-OFDM QPSK   | 2655    | 531000 | 70 | 189 | 0 | 70.780 | Fig.69 |
| CP-OFDM 16QAM  | 2655    | 531000 | 70 | 189 | 0 | 71.580 | Fig.70 |
| CP-OFDM 64QAM  | 2655    | 531000 | 70 | 189 | 0 | 72.630 | Fig.71 |
| CP-OFDM 256QAM | 2655    | 531000 | 70 | 189 | 0 | 70.370 | Fig.72 |
| CP-OFDM QPSK   | 2536.02 | 507204 | 80 | 217 | 0 | 80.460 | Fig.73 |
| CP-OFDM 16QAM  | 2536.02 | 507204 | 80 | 217 | 0 | 81.270 | Fig.74 |
| CP-OFDM 64QAM  | 2536.02 | 507204 | 80 | 217 | 0 | 80.400 | Fig.75 |
| CP-OFDM 256QAM | 2536.02 | 507204 | 80 | 217 | 0 | 80.340 | Fig.76 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 80 | 217 | 0 | 80.390 | Fig.77 |
| CP-OFDM 16QAM  | 2592.99 | 518598 | 80 | 217 | 0 | 80.550 | Fig.78 |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 80 | 217 | 0 | 82.170 | Fig.79 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 80 | 217 | 0 | 80.380 | Fig.80 |
| CP-OFDM QPSK   | 2649.99 | 529998 | 80 | 217 | 0 | 80.610 | Fig.81 |
| CP-OFDM 16QAM  | 2649.99 | 529998 | 80 | 217 | 0 | 80.440 | Fig.82 |
| CP-OFDM 64QAM  | 2649.99 | 529998 | 80 | 217 | 0 | 80.530 | Fig.83 |
| CP-OFDM 256QAM | 2649.99 | 529998 | 80 | 217 | 0 | 80.500 | Fig.84 |
| CP-OFDM QPSK   | 2541    | 508200 | 90 | 245 | 0 | 92.510 | Fig.85 |
| CP-OFDM 16QAM  | 2541    | 508200 | 90 | 245 | 0 | 90.580 | Fig.86 |
| CP-OFDM 64QAM  | 2541    | 508200 | 90 | 245 | 0 | 91.460 | Fig.87 |
| CP-OFDM 256QAM | 2541    | 508200 | 90 | 245 | 0 | 91.310 | Fig.88 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 90 | 245 | 0 | 90.550 | Fig.89 |

|                |         |        |     |     |   |         |         |
|----------------|---------|--------|-----|-----|---|---------|---------|
| CP-OFDM 16QAM  | 2592.99 | 518598 | 90  | 245 | 0 | 90.480  | Fig.90  |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 90  | 245 | 0 | 90.590  | Fig.91  |
| CP-OFDM 256QAM | 2592.99 | 518598 | 90  | 245 | 0 | 90.520  | Fig.92  |
| CP-OFDM QPSK   | 2644.98 | 528996 | 90  | 245 | 0 | 90.840  | Fig.93  |
| CP-OFDM 16QAM  | 2644.98 | 528996 | 90  | 245 | 0 | 91.030  | Fig.94  |
| CP-OFDM 64QAM  | 2644.98 | 528996 | 90  | 245 | 0 | 90.550  | Fig.95  |
| CP-OFDM 256QAM | 2644.98 | 528996 | 90  | 245 | 0 | 90.550  | Fig.96  |
| CP-OFDM QPSK   | 2546.01 | 509202 | 100 | 273 | 0 | 100.690 | Fig.97  |
| CP-OFDM 16QAM  | 2546.01 | 509202 | 100 | 273 | 0 | 101.110 | Fig.98  |
| CP-OFDM 64QAM  | 2546.01 | 509202 | 100 | 273 | 0 | 100.650 | Fig.99  |
| CP-OFDM 256QAM | 2546.01 | 509202 | 100 | 273 | 0 | 100.480 | Fig.100 |
| CP-OFDM QPSK   | 2592.99 | 518598 | 100 | 273 | 0 | 100.700 | Fig.101 |
| CP-OFDM 16QAM  | 2592.99 | 518598 | 100 | 273 | 0 | 101.800 | Fig.102 |
| CP-OFDM 64QAM  | 2592.99 | 518598 | 100 | 273 | 0 | 100.560 | Fig.103 |
| CP-OFDM 256QAM | 2592.99 | 518598 | 100 | 273 | 0 | 100.470 | Fig.104 |
| CP-OFDM QPSK   | 2640    | 528000 | 100 | 273 | 0 | 100.700 | Fig.105 |
| CP-OFDM 16QAM  | 2640    | 528000 | 100 | 273 | 0 | 101.450 | Fig.106 |
| CP-OFDM 64QAM  | 2640    | 528000 | 100 | 273 | 0 | 100.640 | Fig.107 |
| CP-OFDM 256QAM | 2640    | 528000 | 100 | 273 | 0 | 100.610 | Fig.108 |

Test Plot:

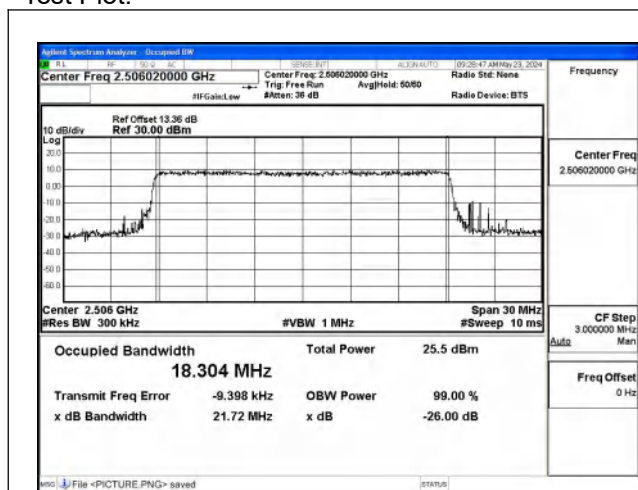


Fig.1

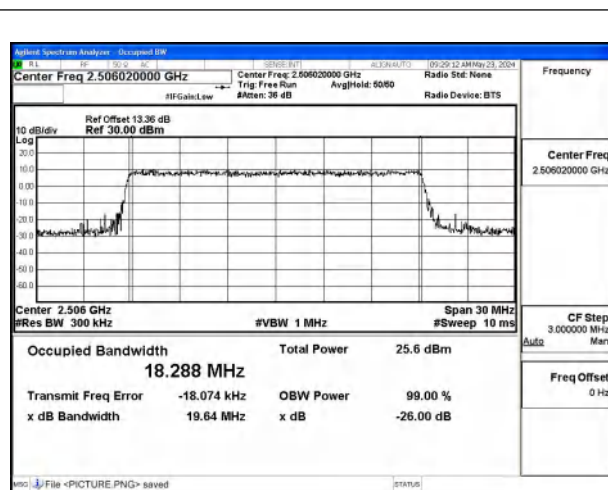


Fig.2

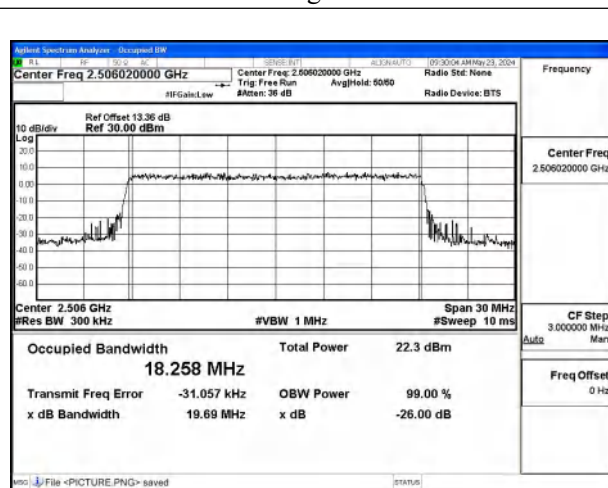
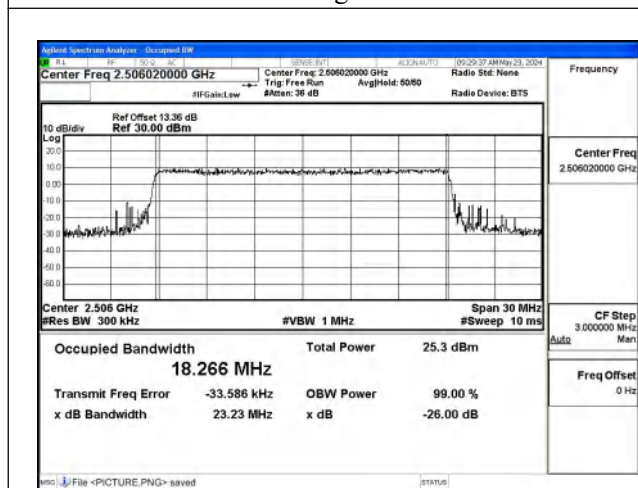


Fig.3

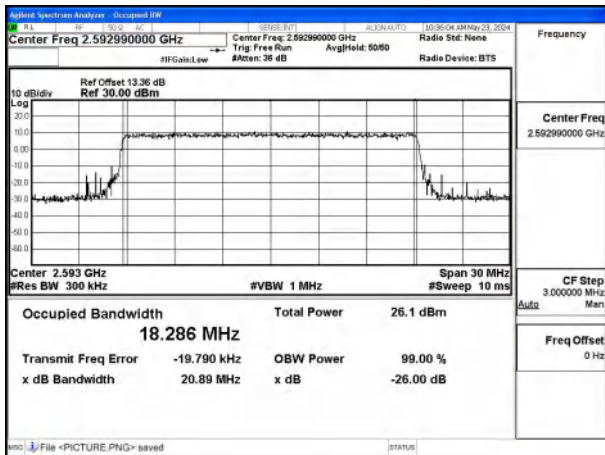


Fig.4

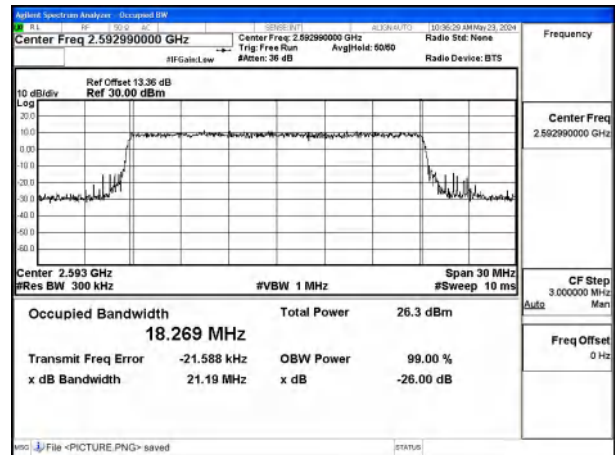


Fig.5

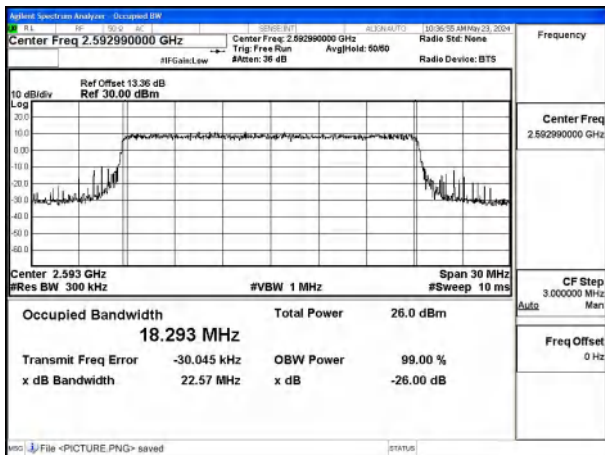


Fig.6

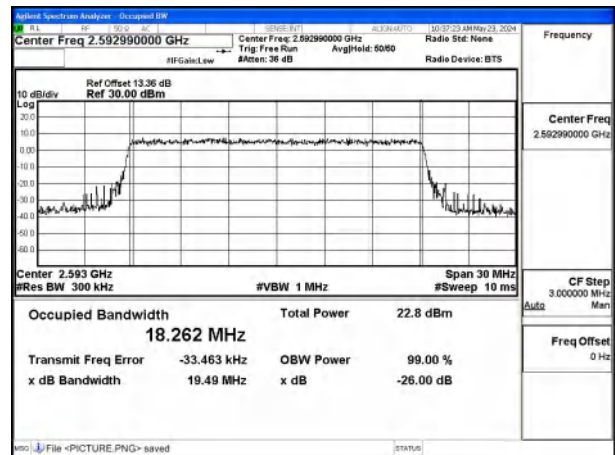


Fig.7

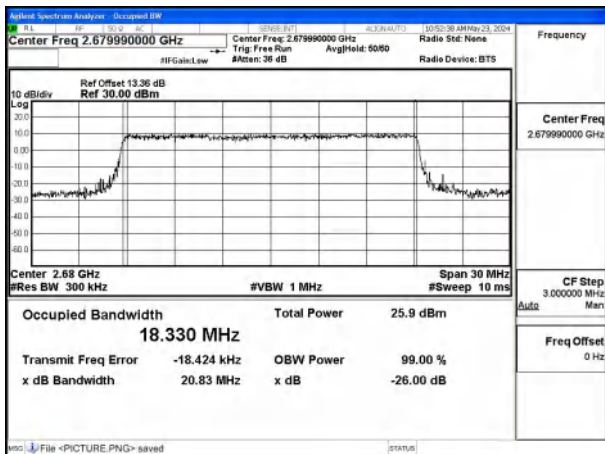


Fig.8

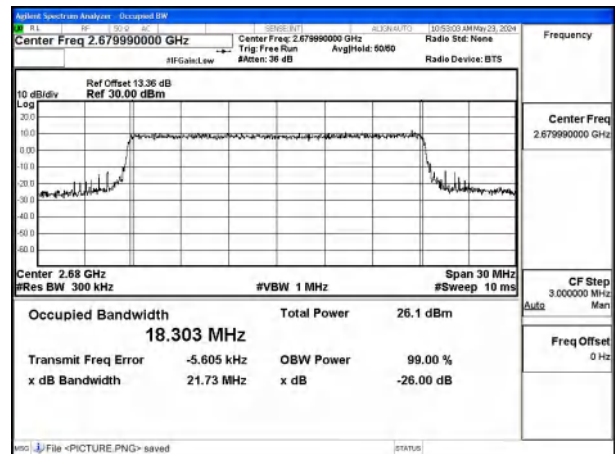


Fig.9

Fig.10

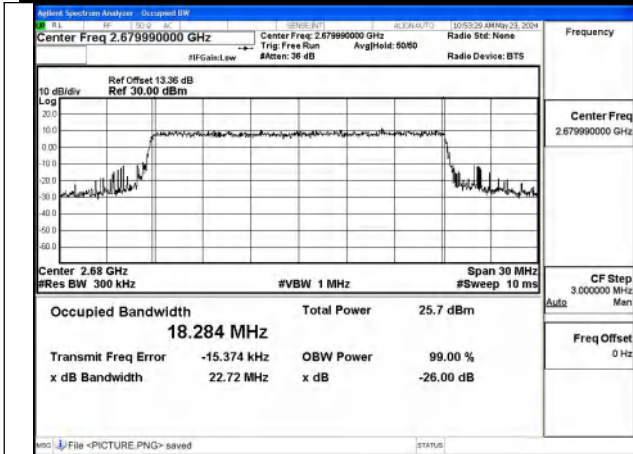


Fig.11

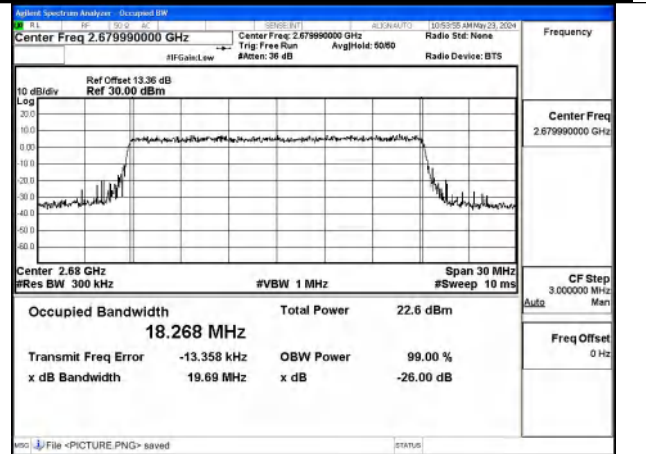


Fig.12

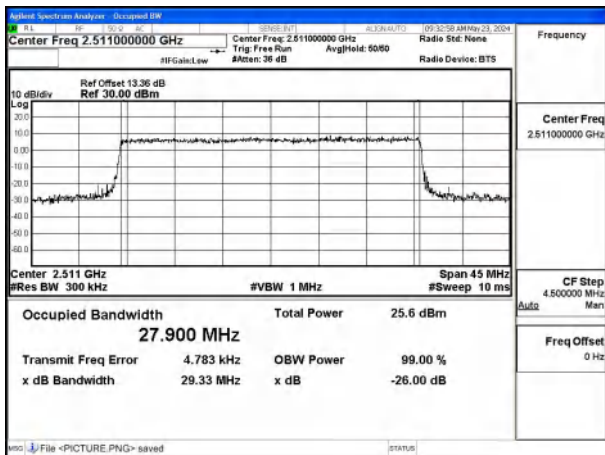


Fig.13

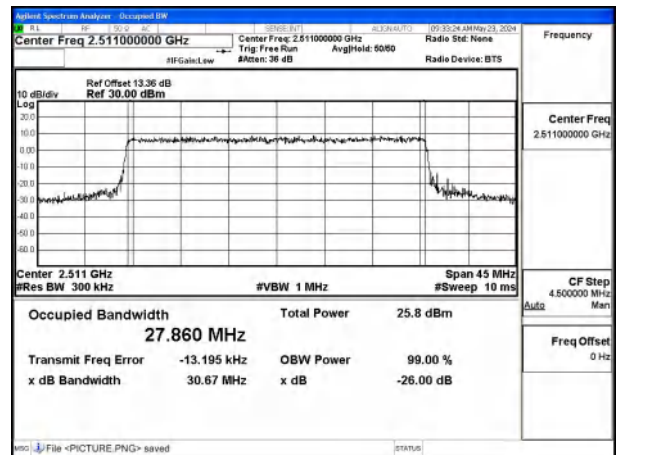


Fig.14

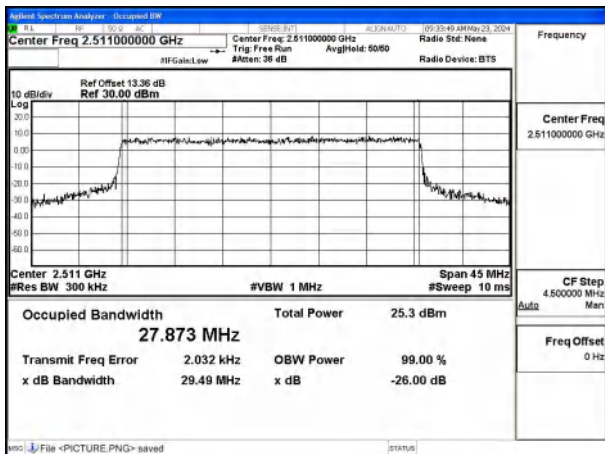


Fig.15

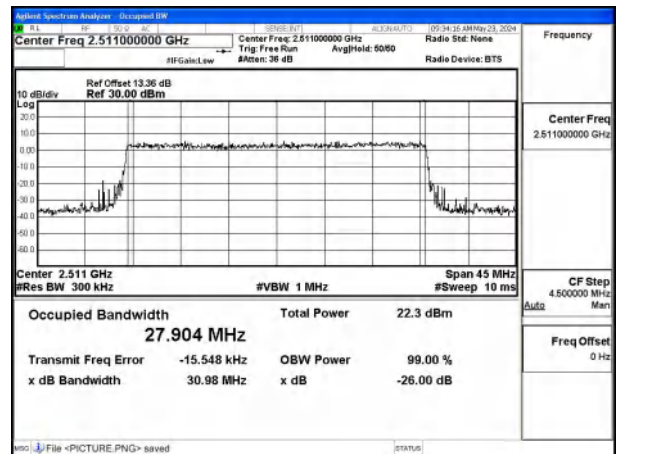


Fig.16

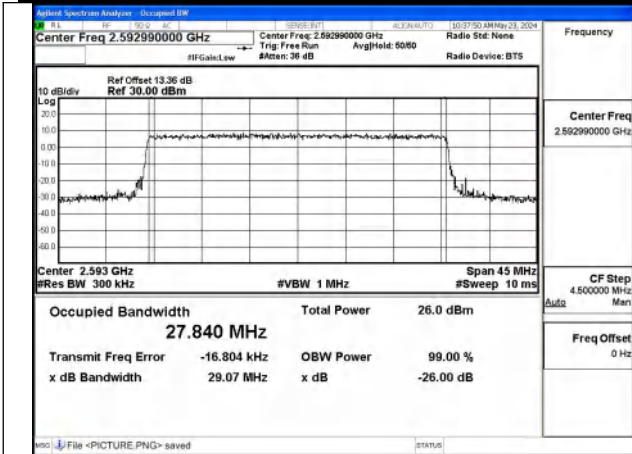


Fig.17

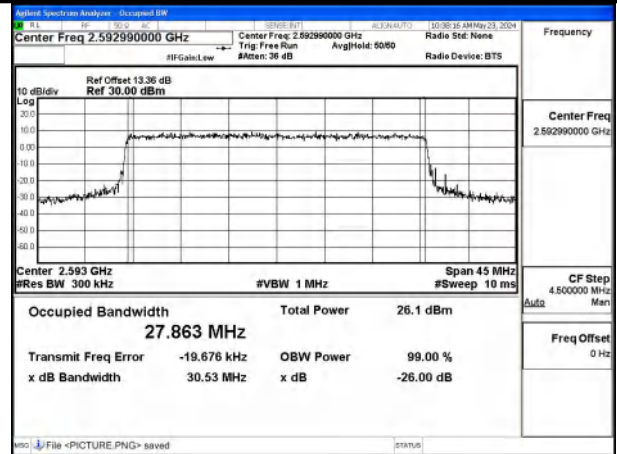


Fig.18

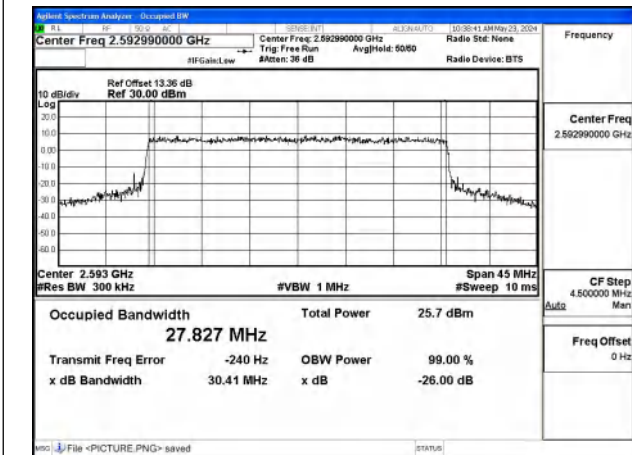


Fig.19

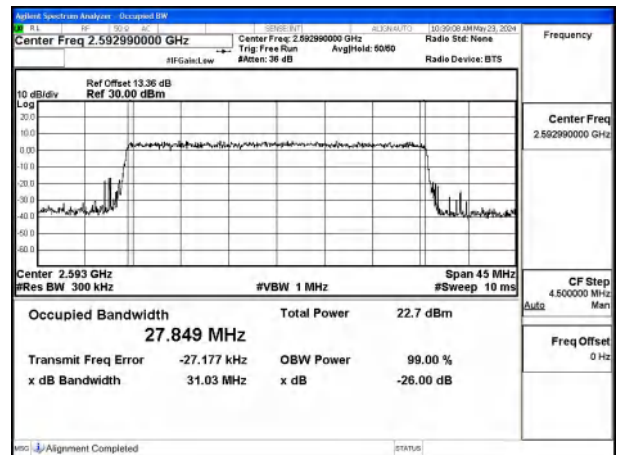


Fig.20

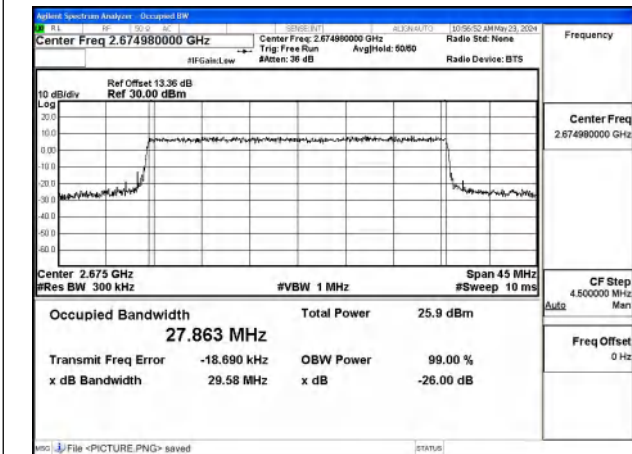


Fig.21

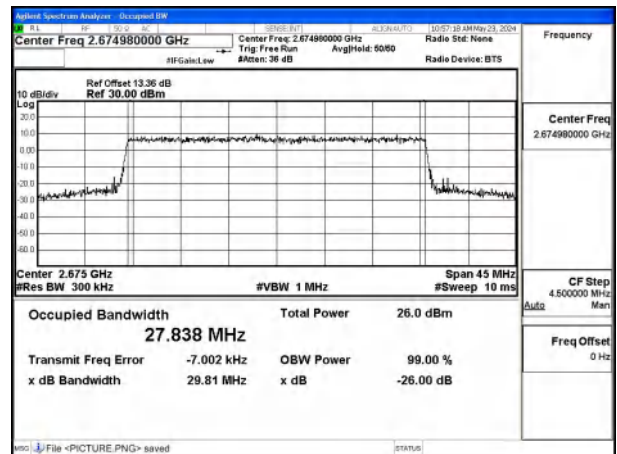


Fig.22

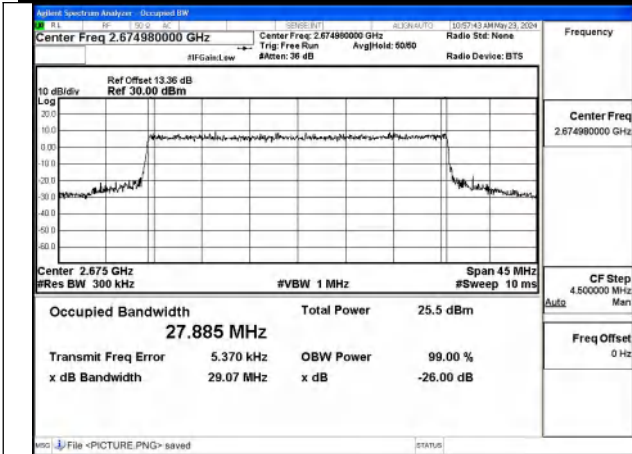


Fig.23

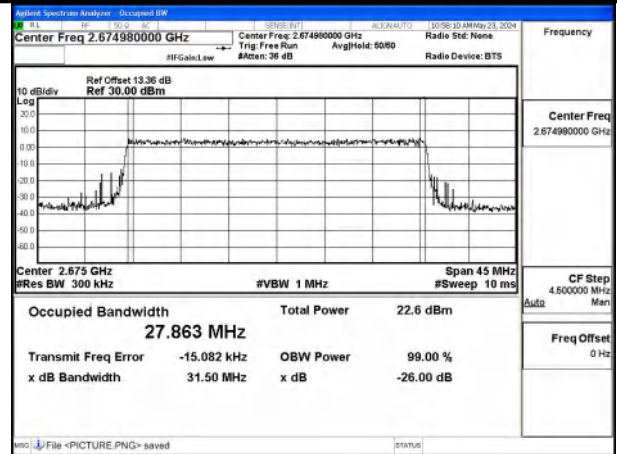


Fig.24

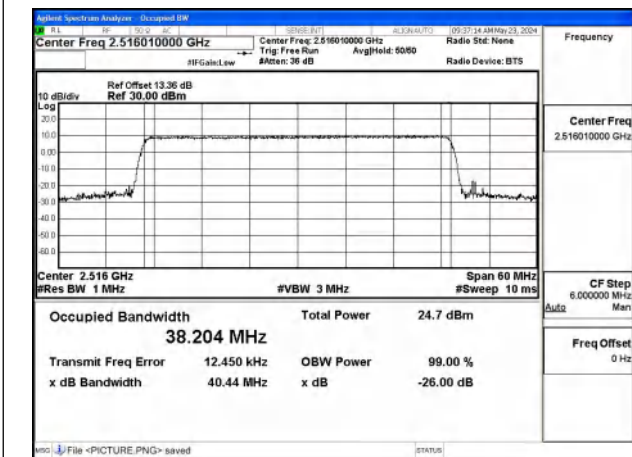


Fig.25

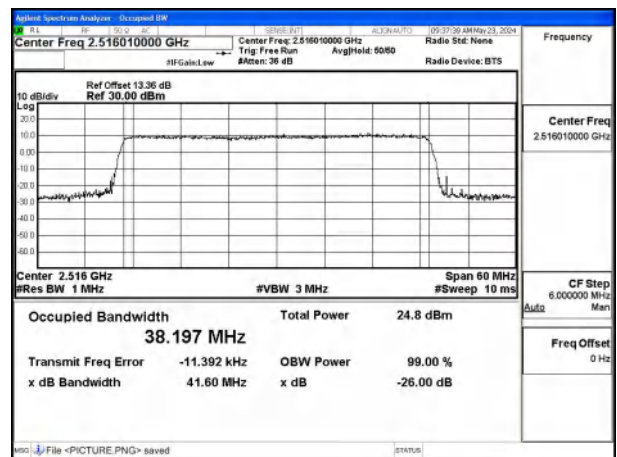


Fig.26

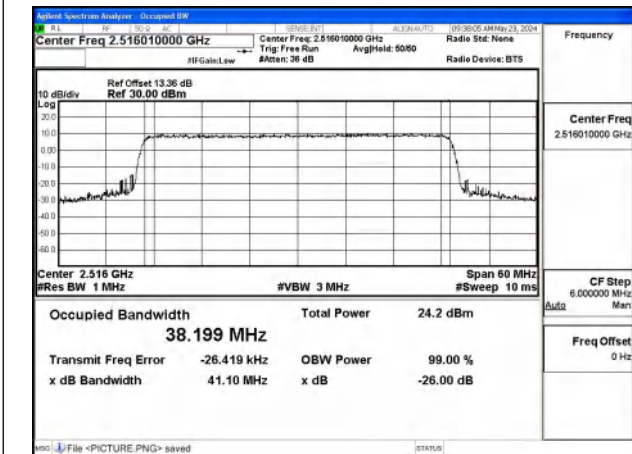


Fig.27

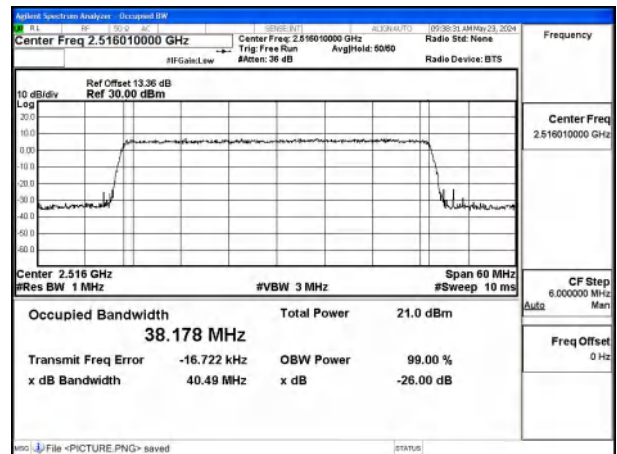


Fig.28

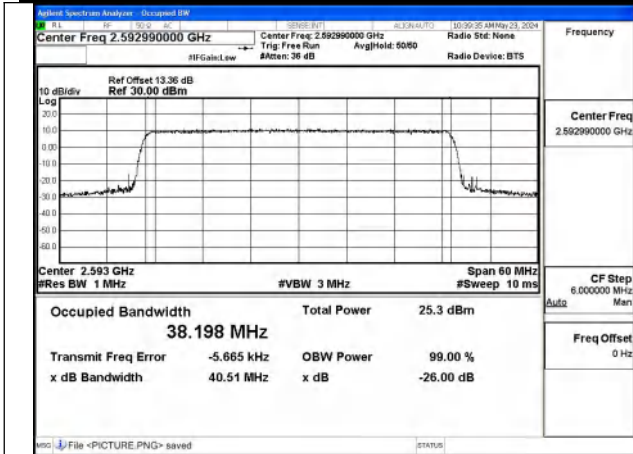


Fig.29

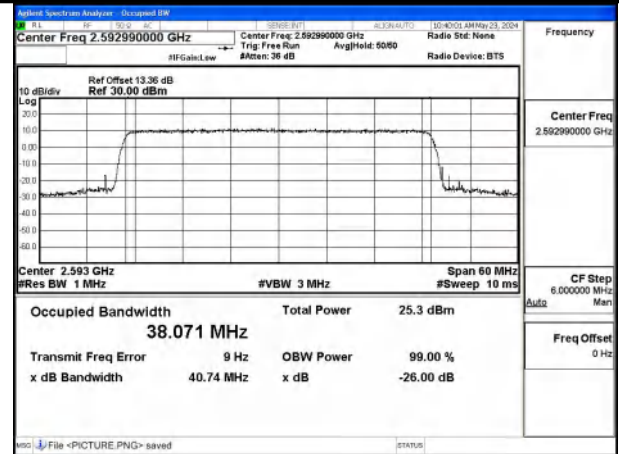


Fig.30

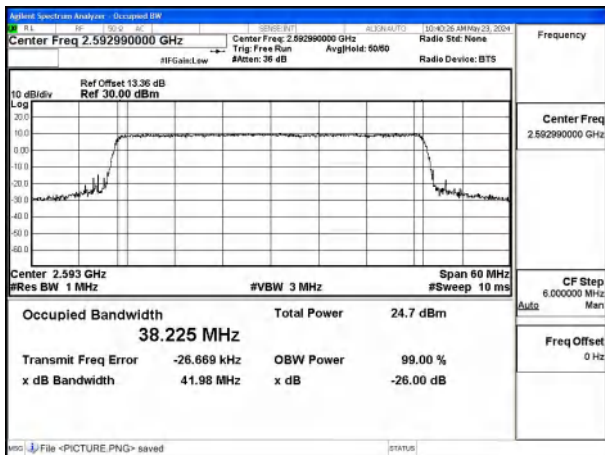


Fig.31

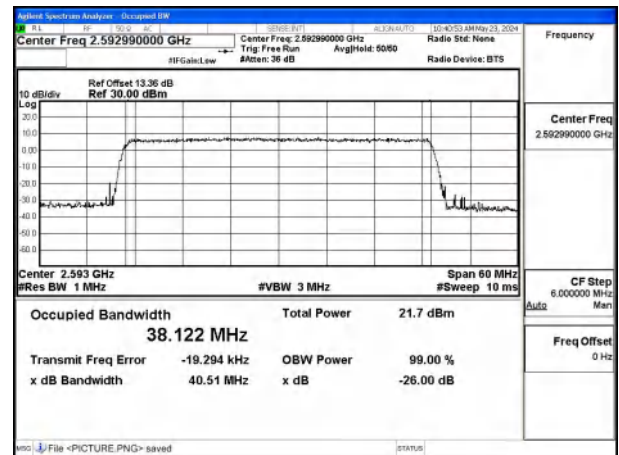


Fig.32

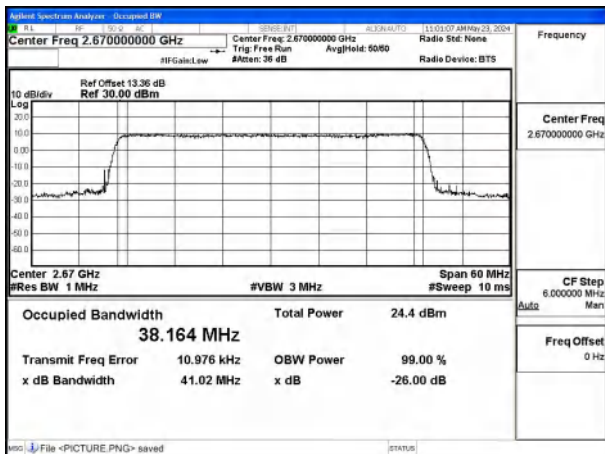


Fig.33

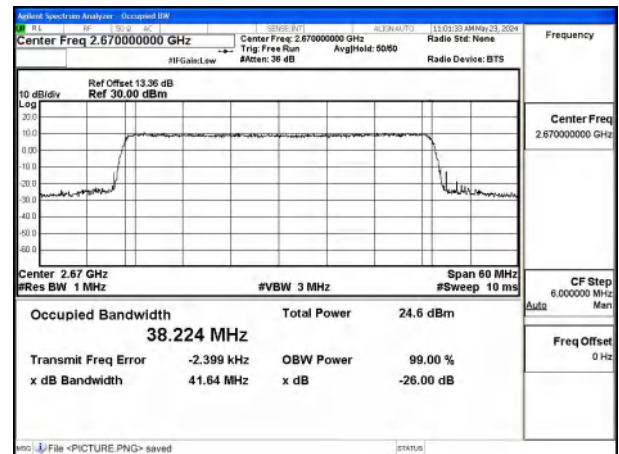


Fig.34

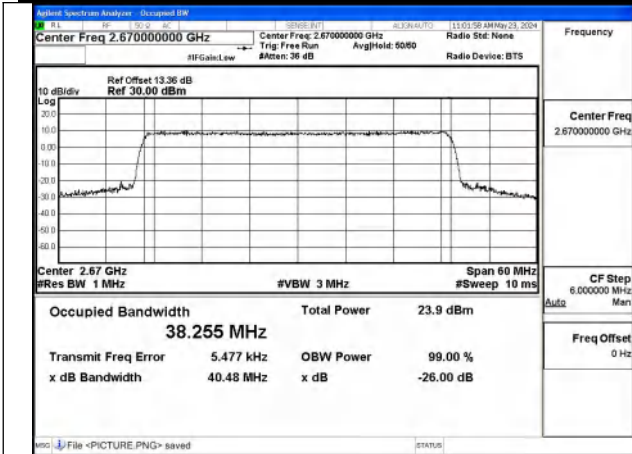


Fig.35

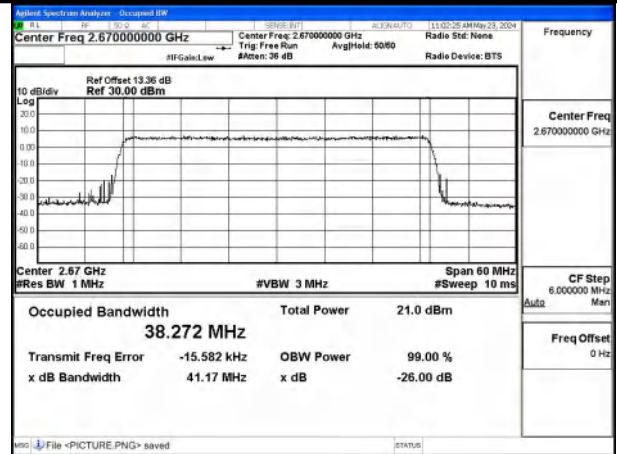


Fig.36

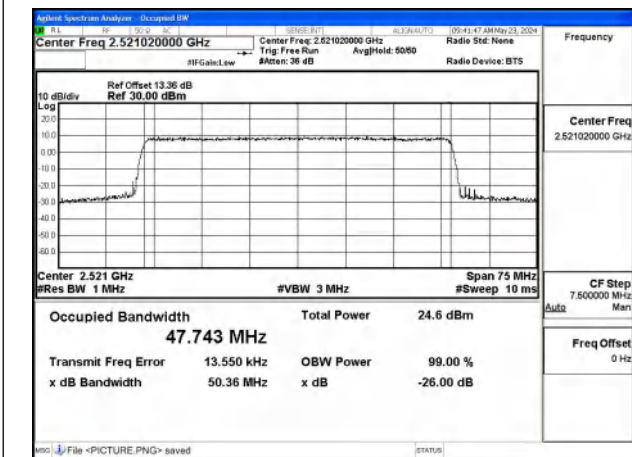


Fig.37

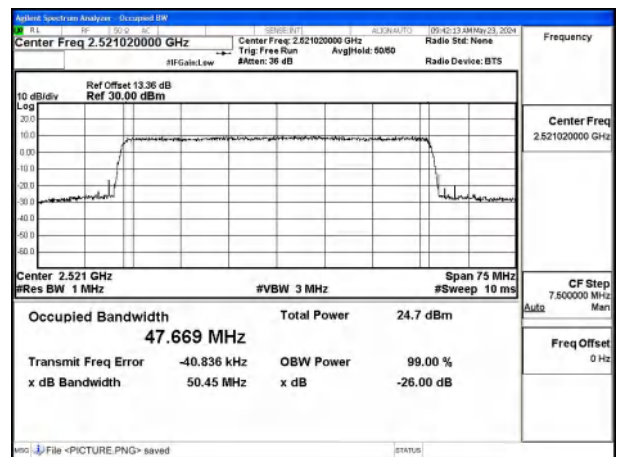


Fig.38

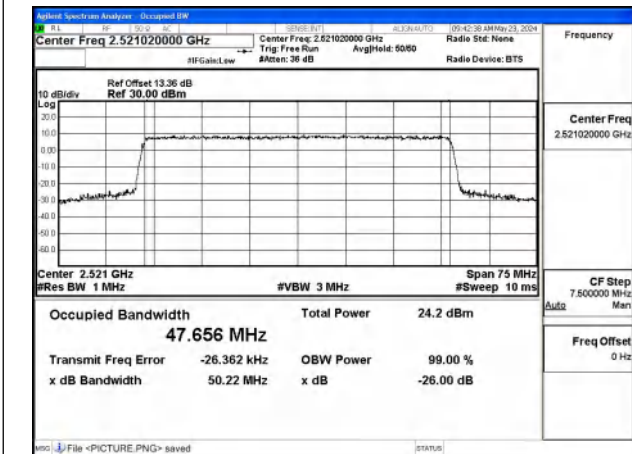


Fig.39

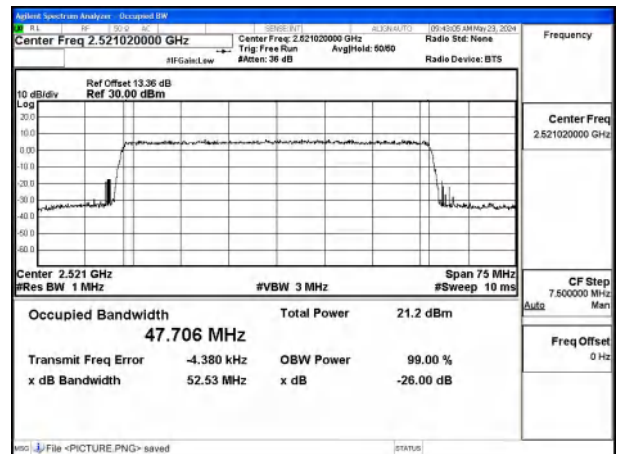


Fig.40

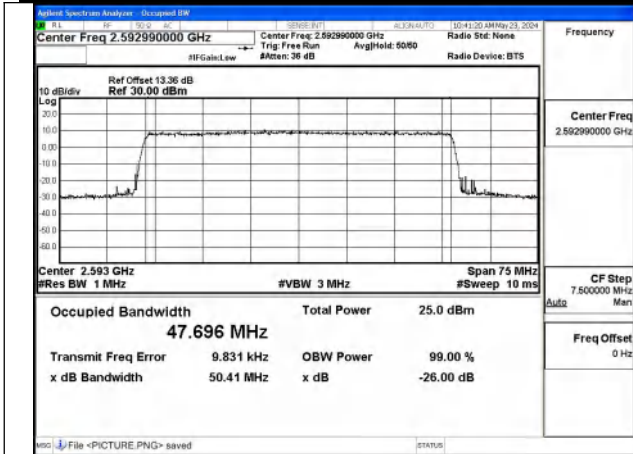


Fig.41

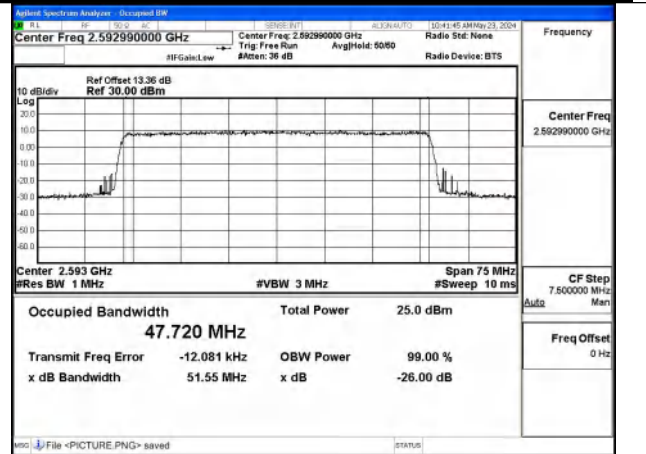


Fig.42

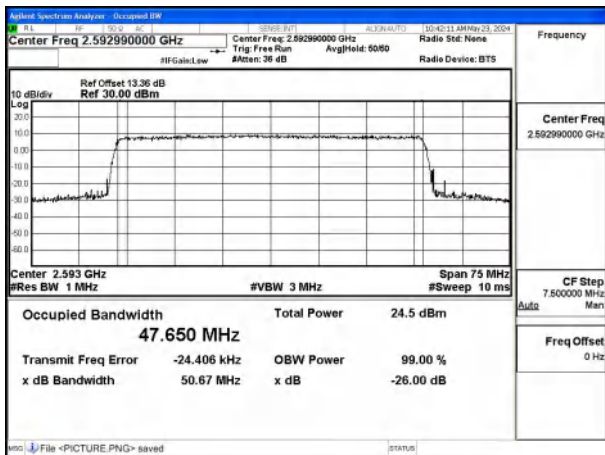


Fig.43

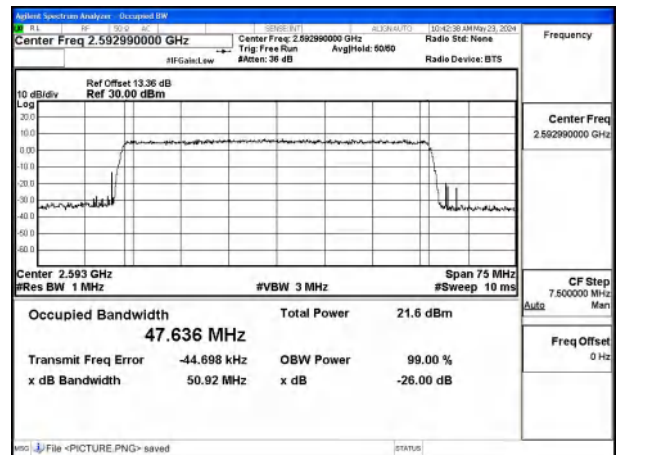


Fig.44

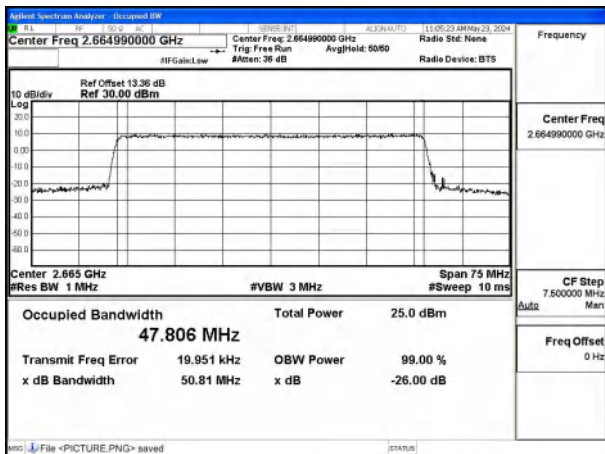


Fig.45

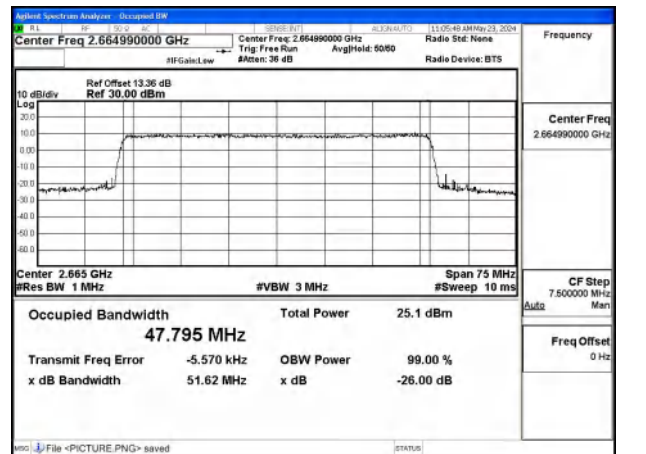


Fig.46

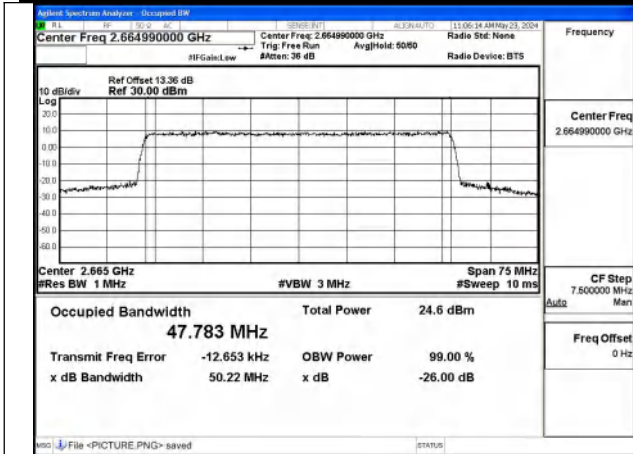


Fig.47

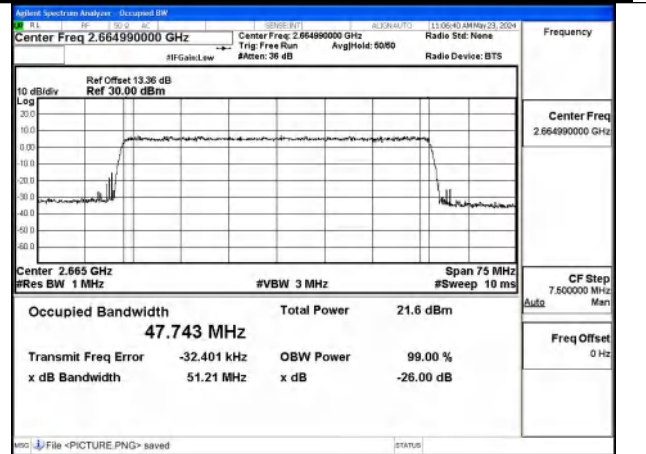


Fig.48

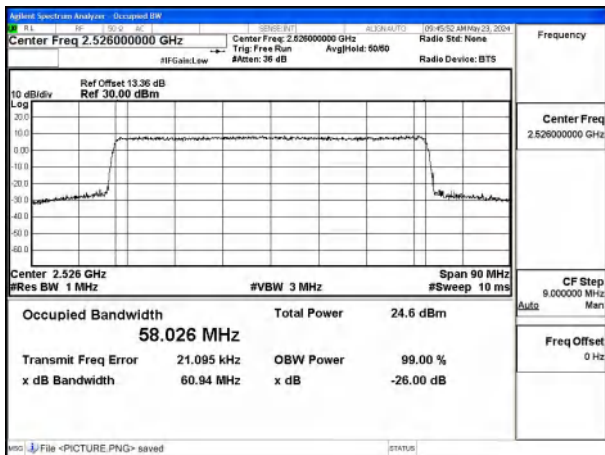


Fig.49

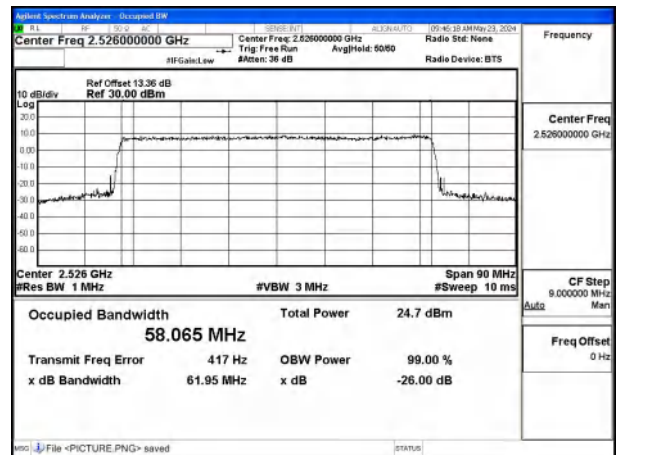


Fig.50

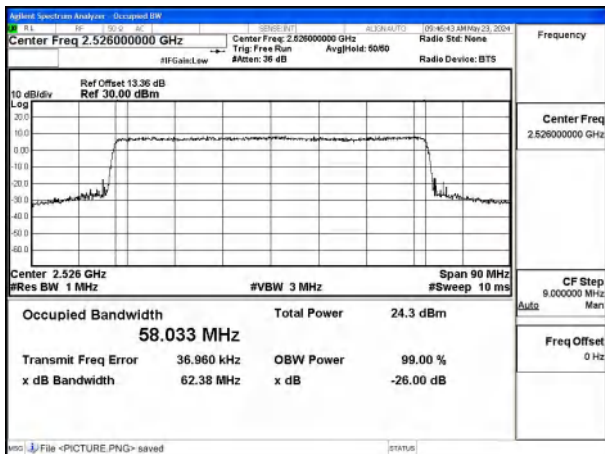


Fig.51

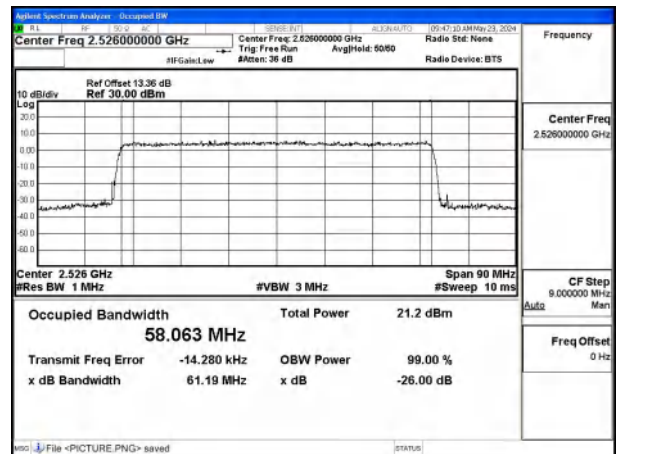


Fig.52

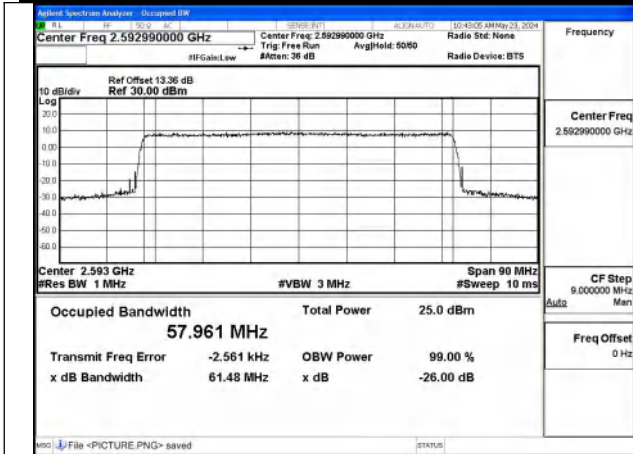


Fig.53

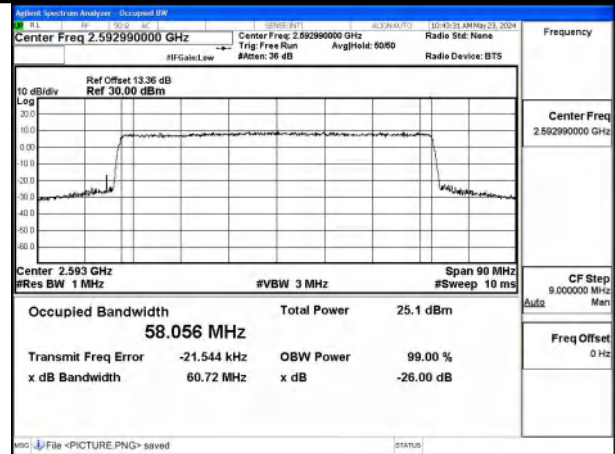


Fig.54

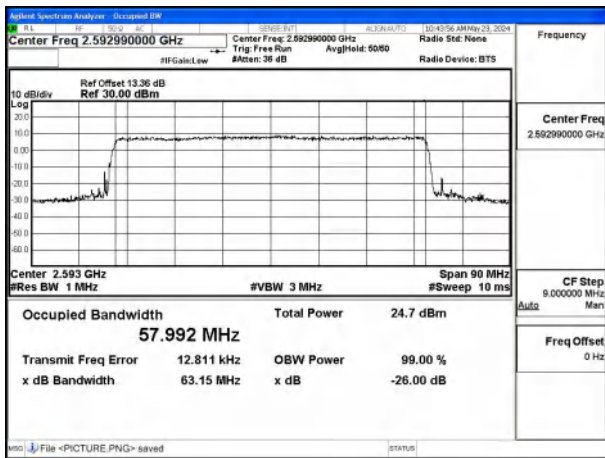


Fig.55

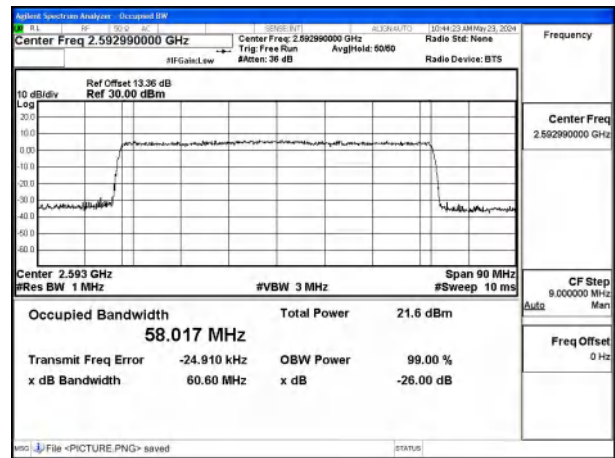


Fig.56

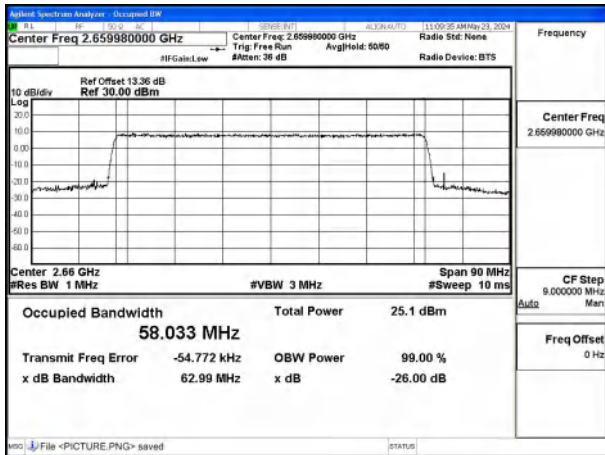


Fig.57

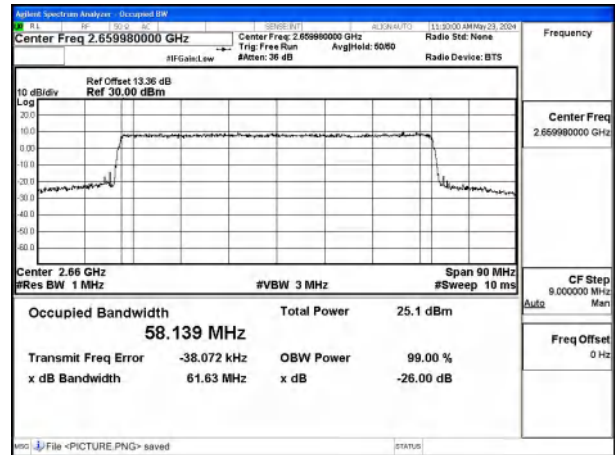


Fig.58

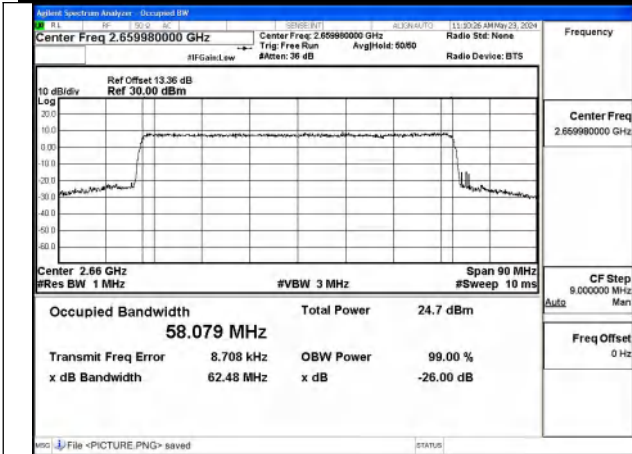


Fig.59

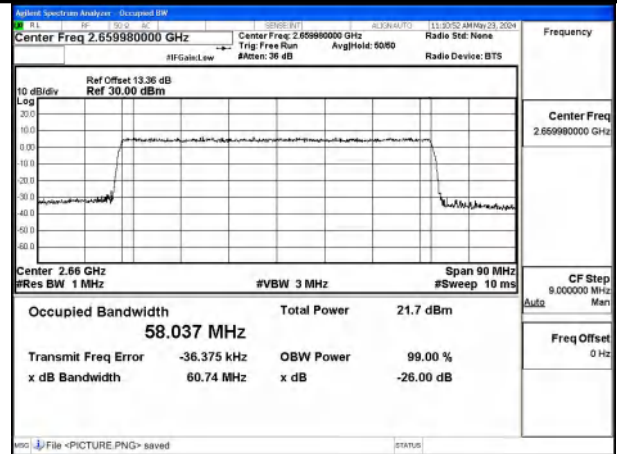


Fig.60

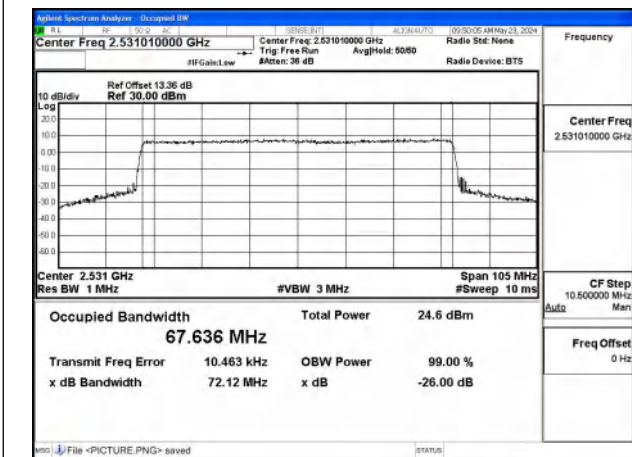


Fig.61

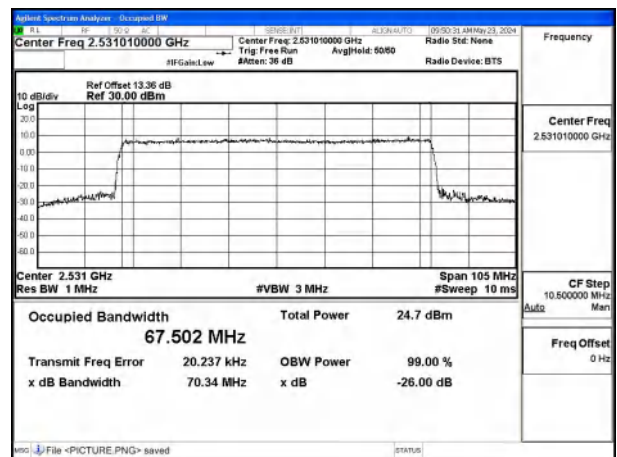


Fig.62

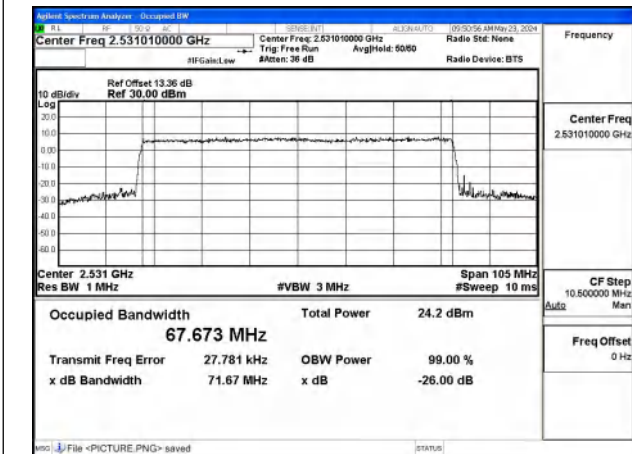


Fig.63

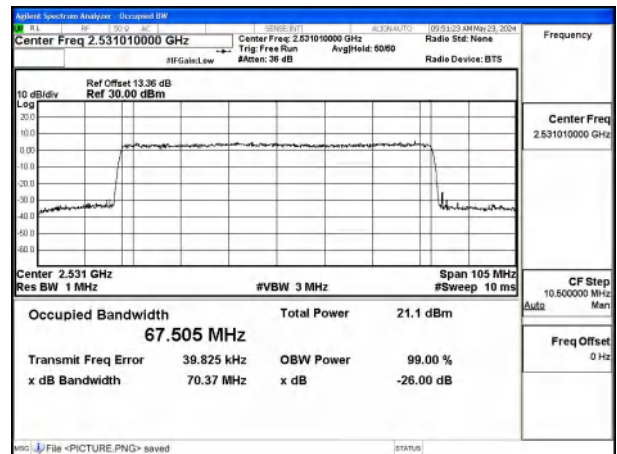


Fig.64

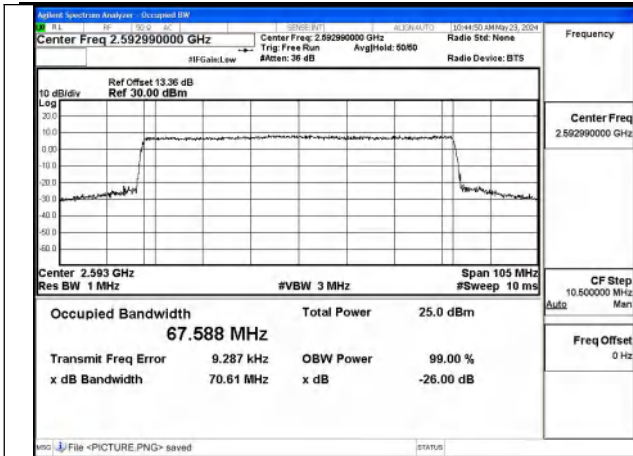


Fig.65

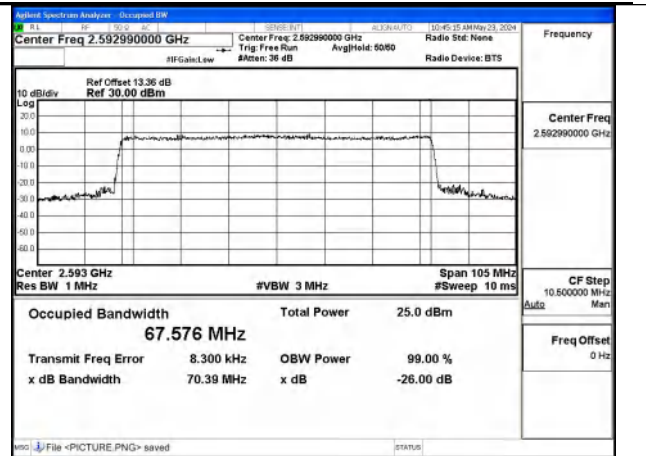


Fig.66

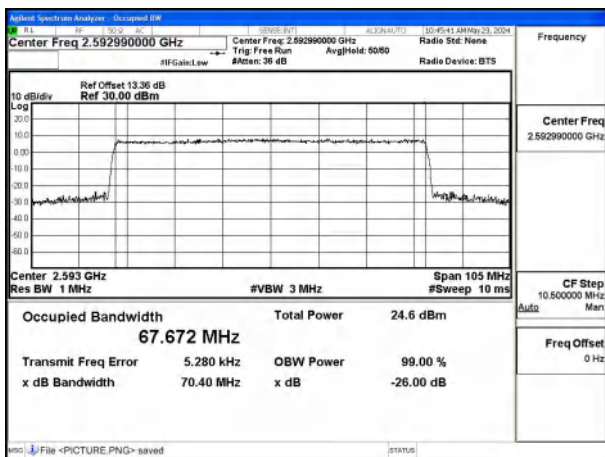


Fig.67

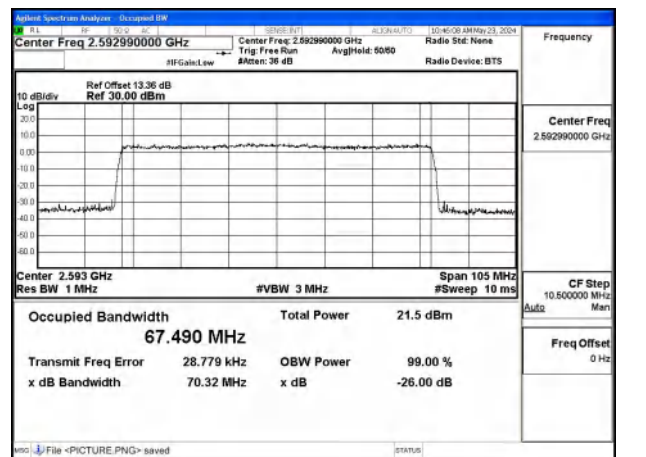


Fig.68

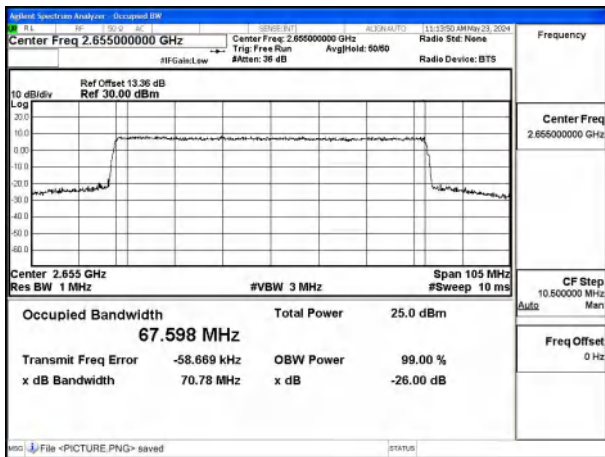


Fig.69

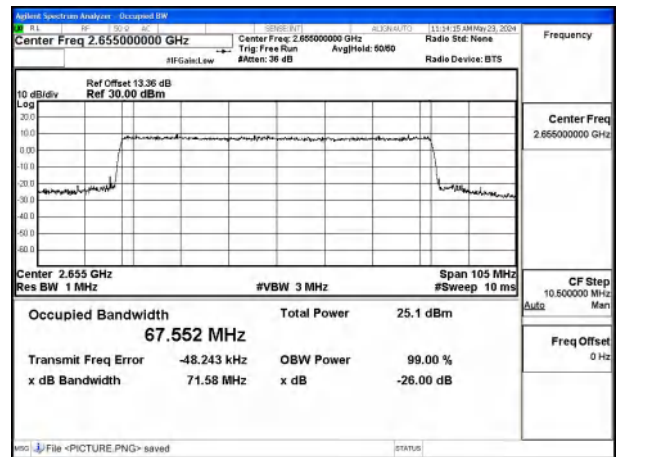


Fig.70

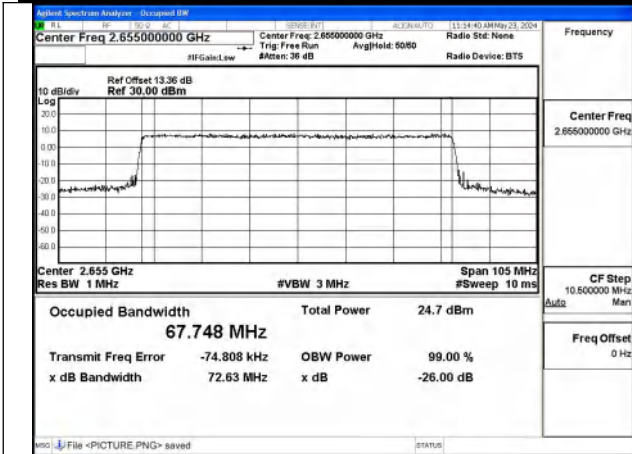


Fig.71

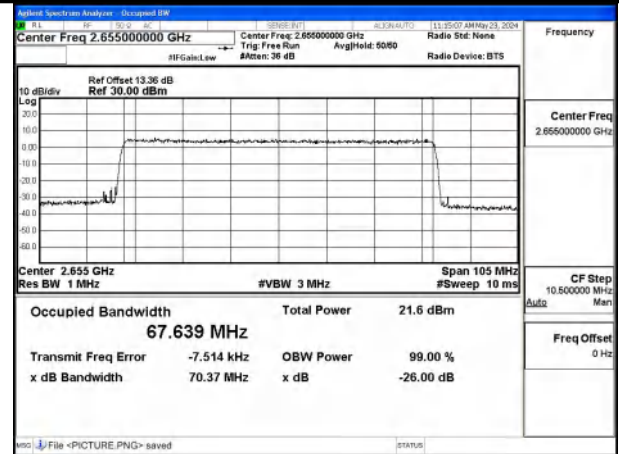


Fig.72

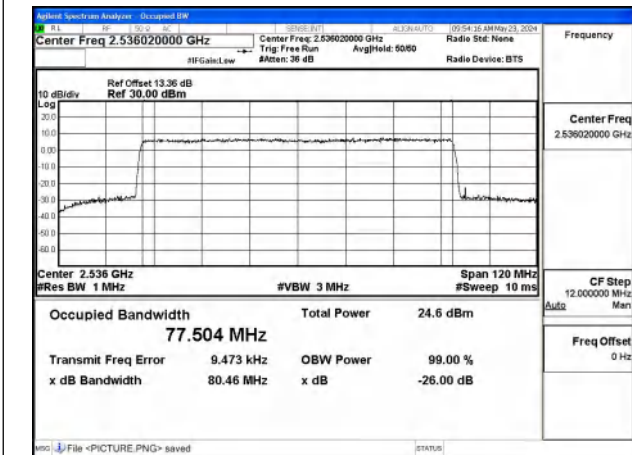


Fig.73

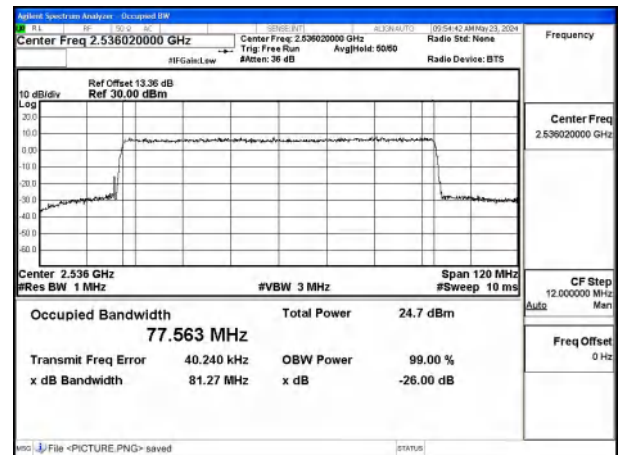


Fig.74

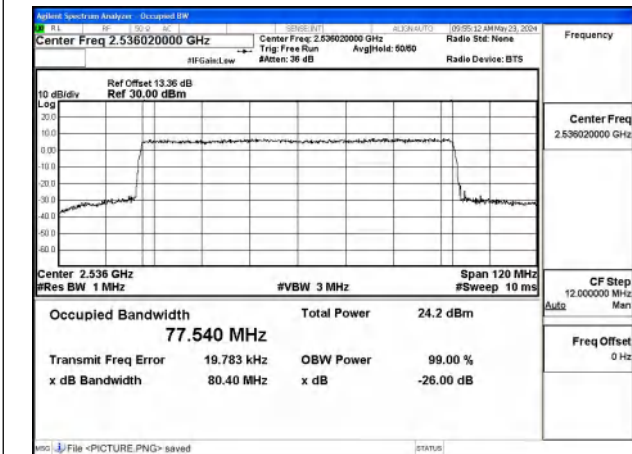


Fig.75

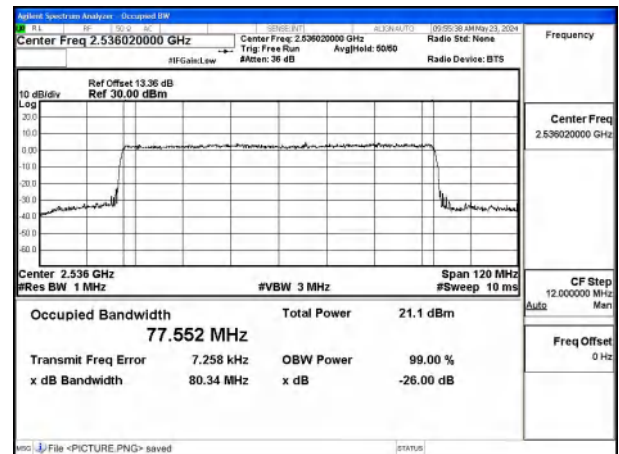


Fig.76

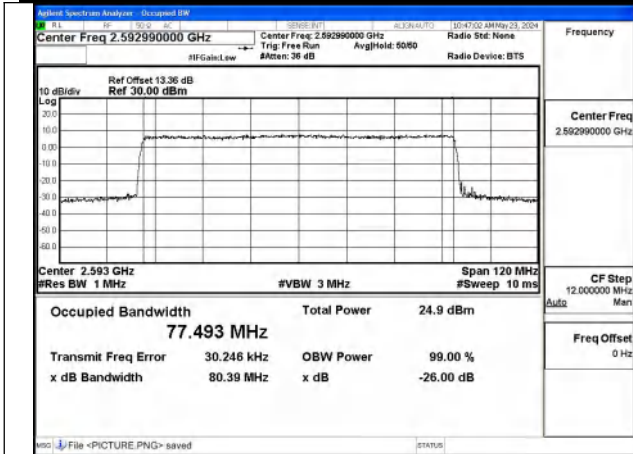


Fig.77

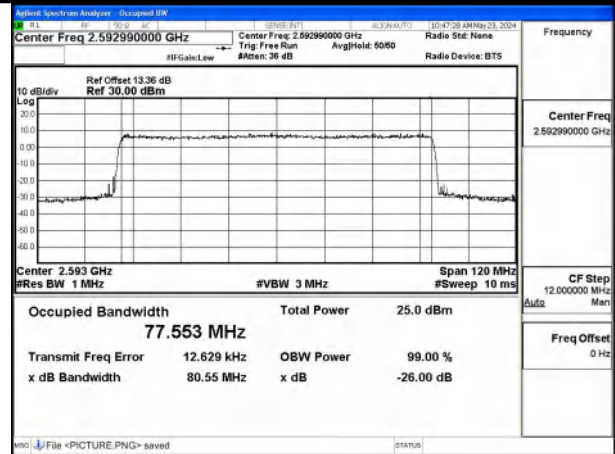


Fig.78

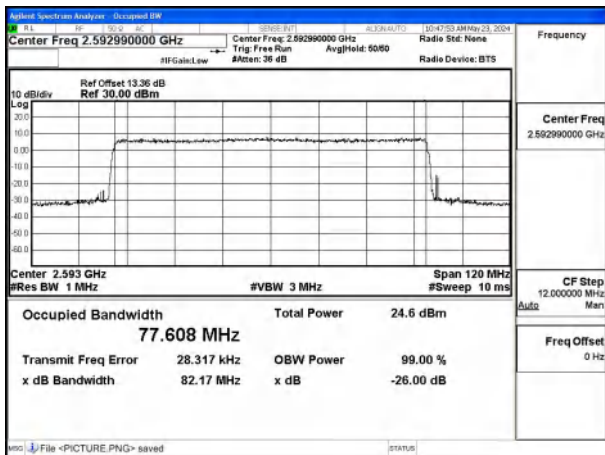


Fig.79

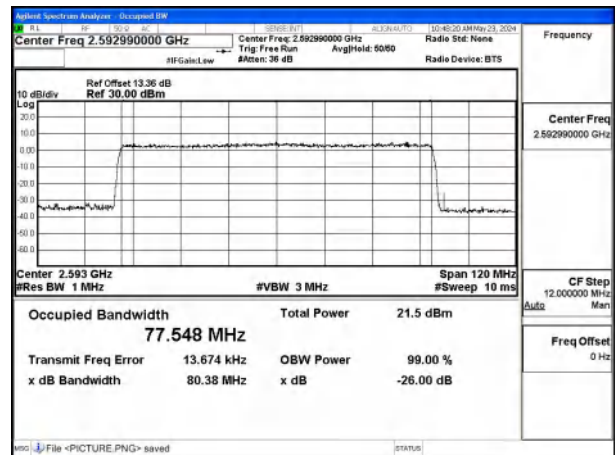


Fig.80

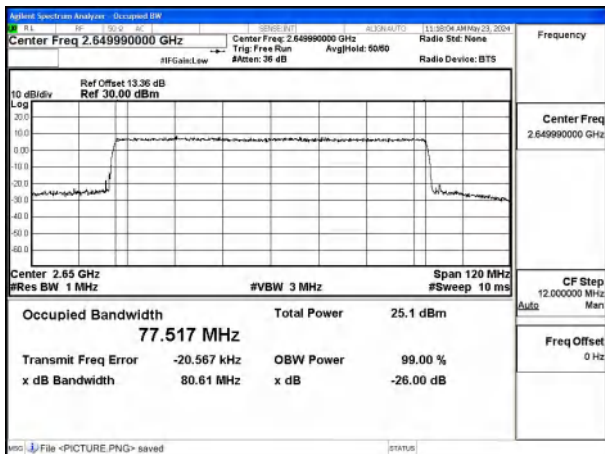


Fig.81

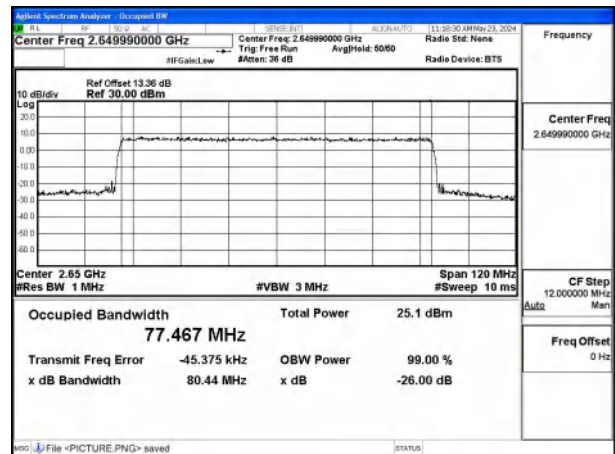


Fig.82

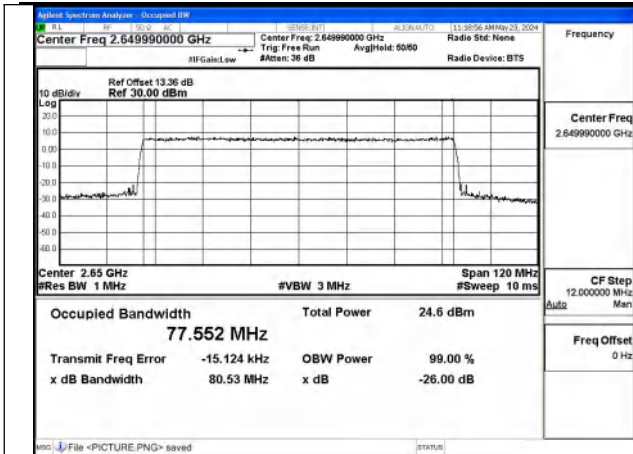


Fig.83

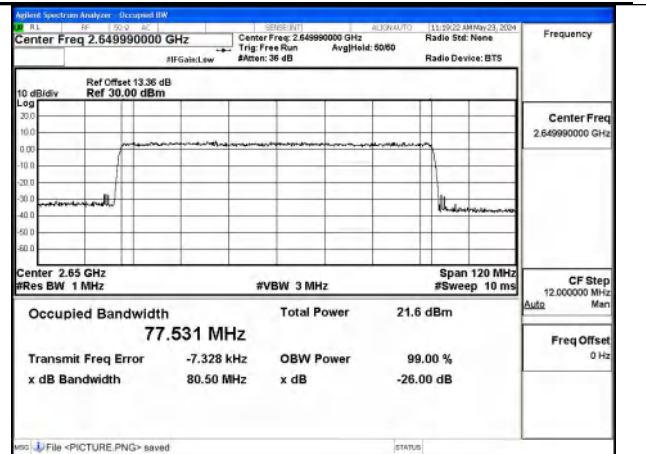


Fig.84

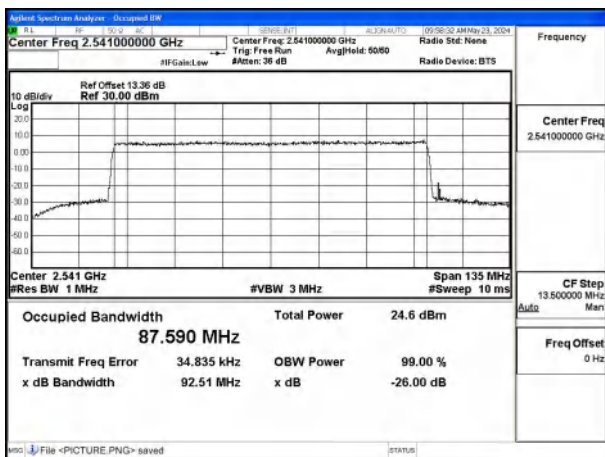


Fig.85

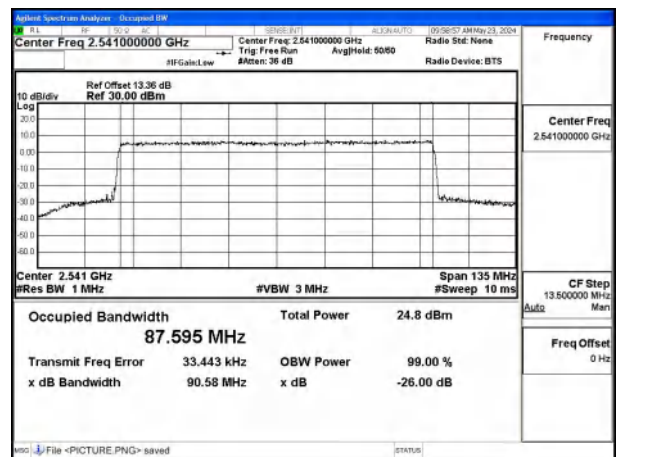


Fig.86

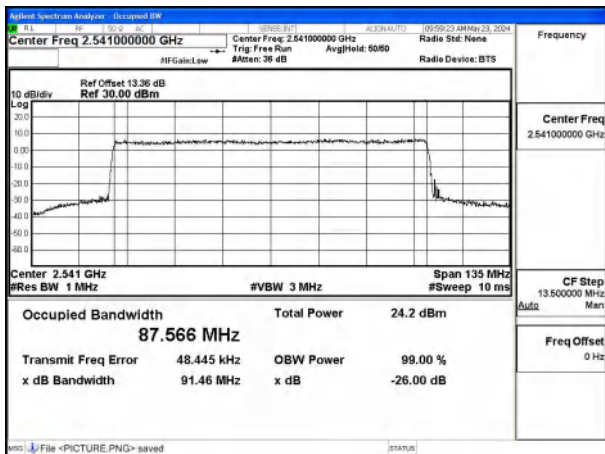


Fig.87

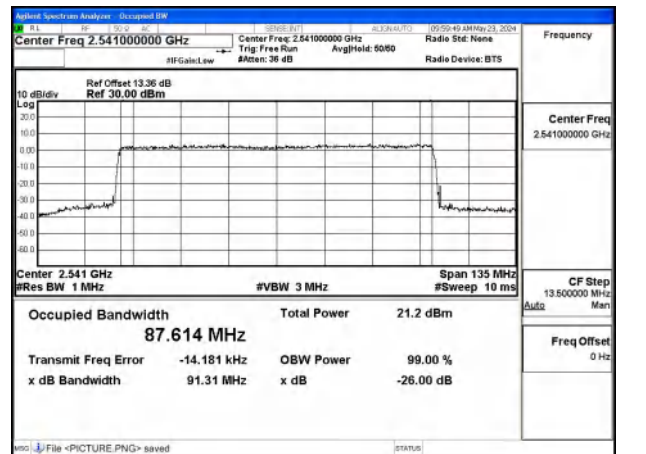


Fig.88

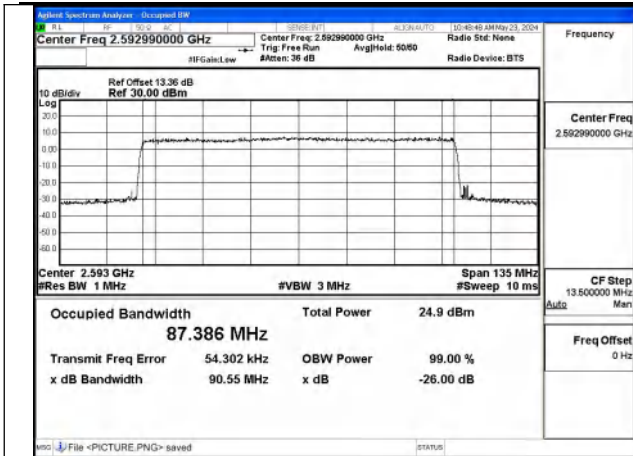


Fig.89

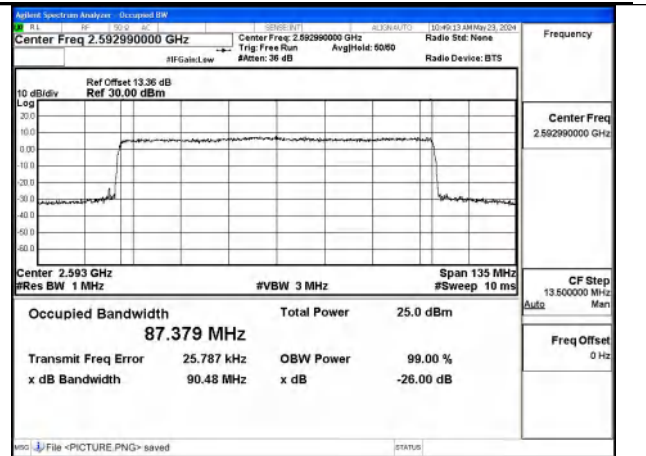


Fig.90

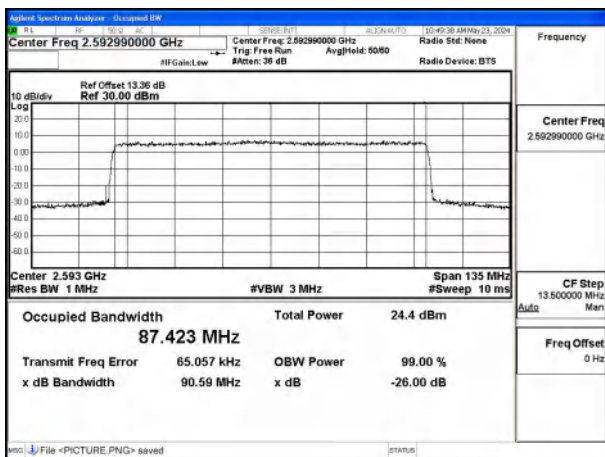


Fig.91

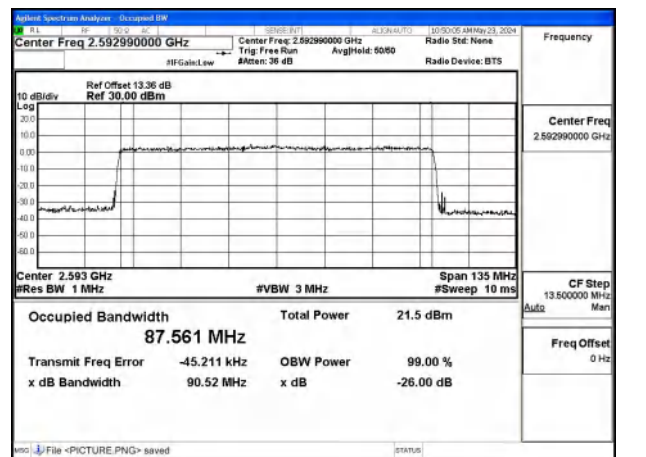


Fig.92

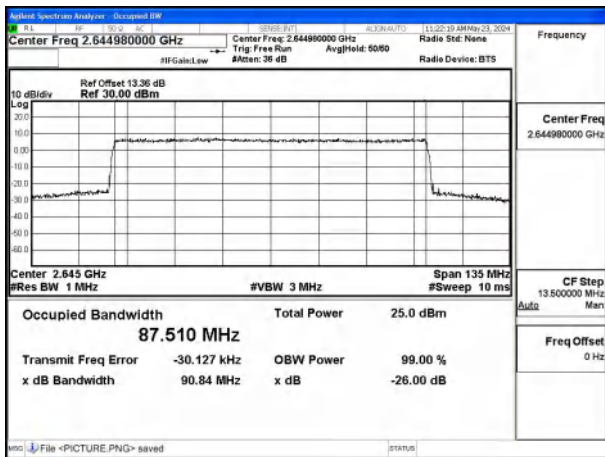


Fig.93

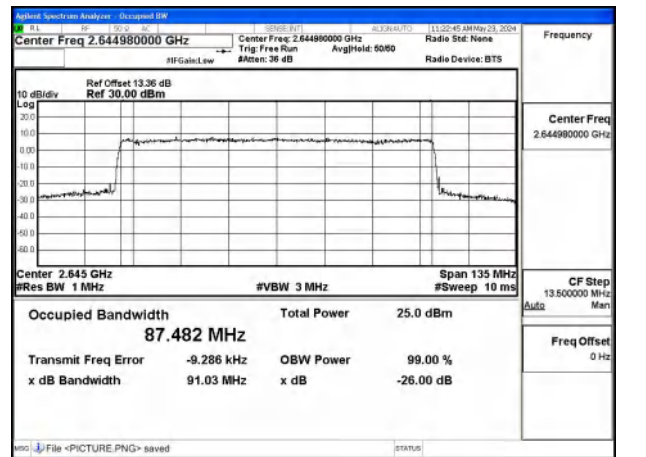


Fig.94

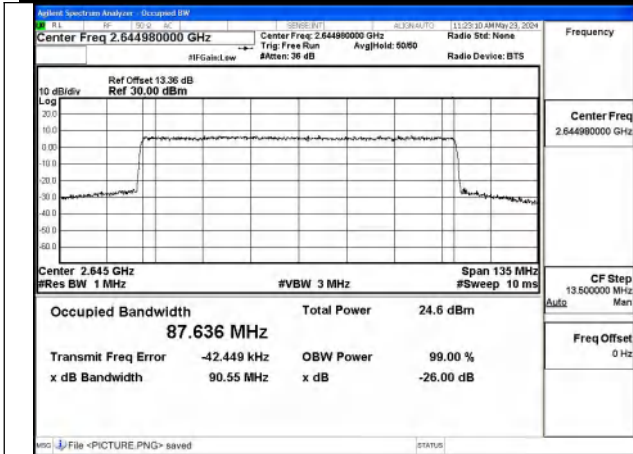


Fig.95

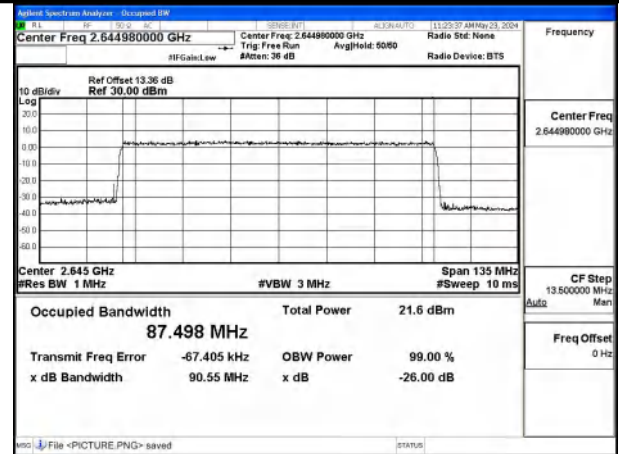


Fig.96

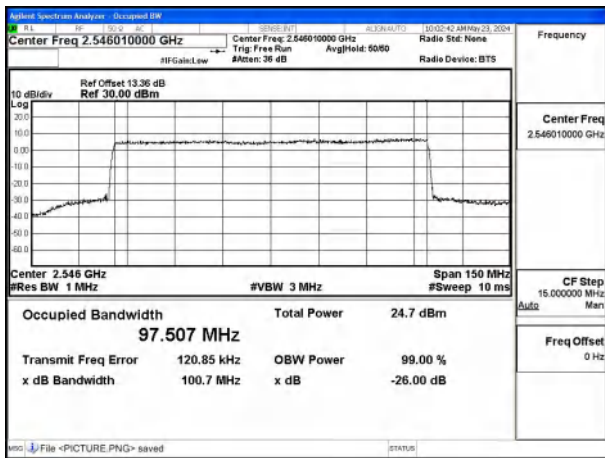


Fig.97

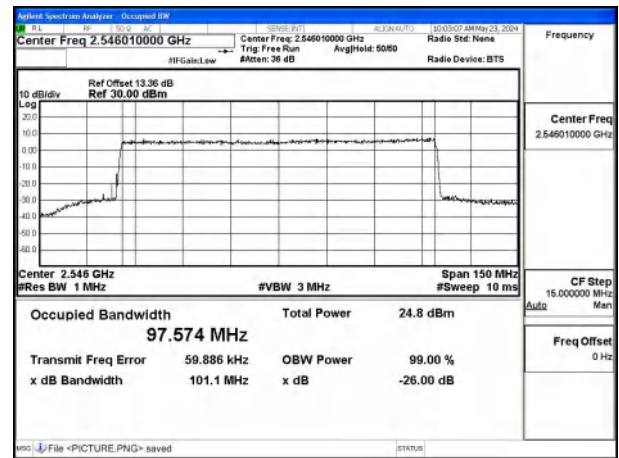


Fig.98

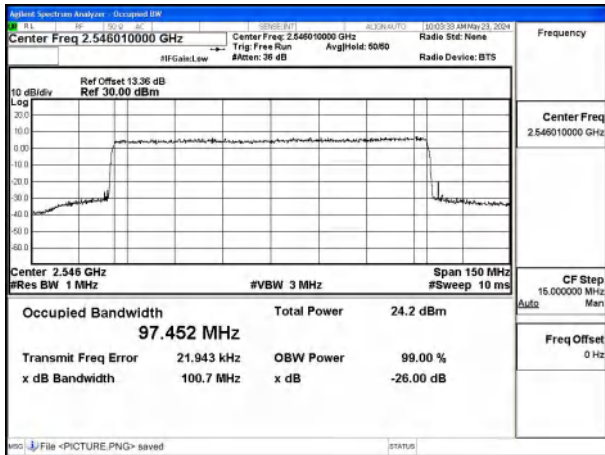


Fig.99

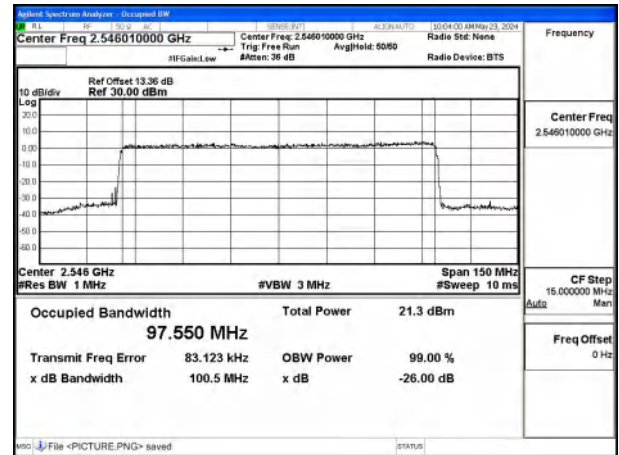


Fig.100

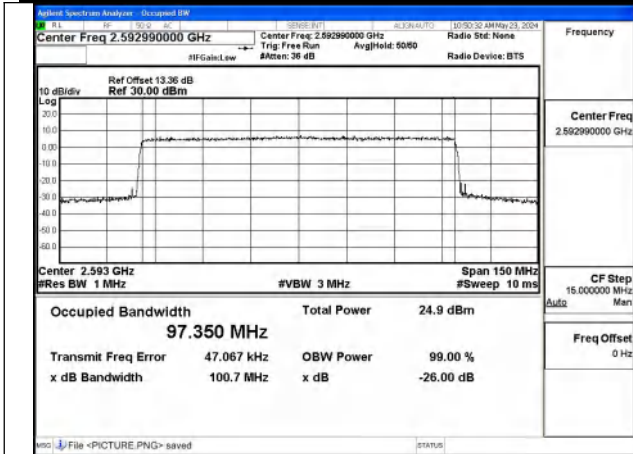


Fig.101

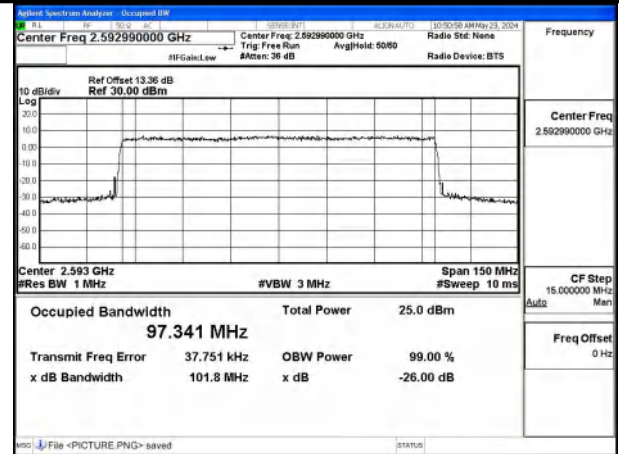


Fig.102

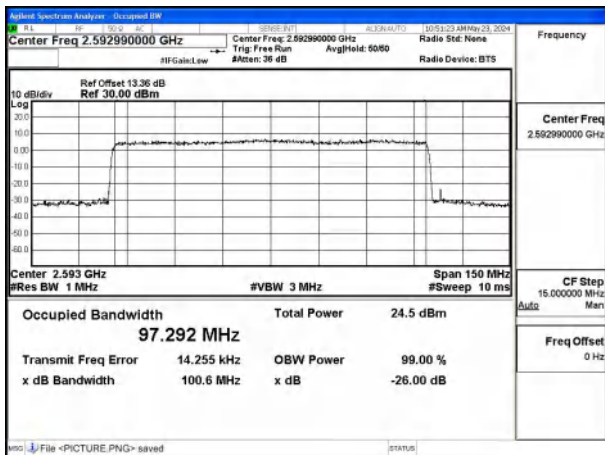


Fig.103

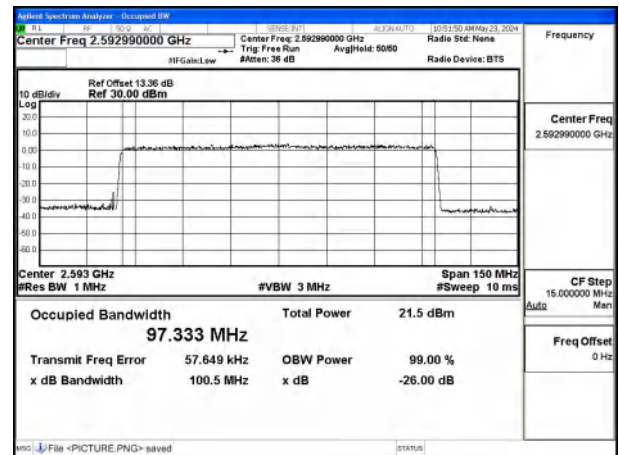


Fig.104

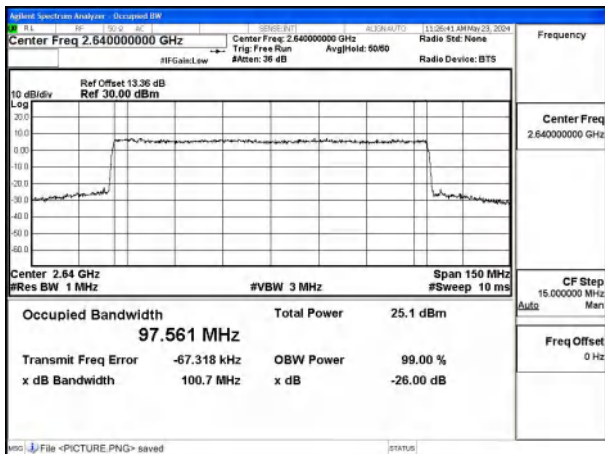


Fig.105

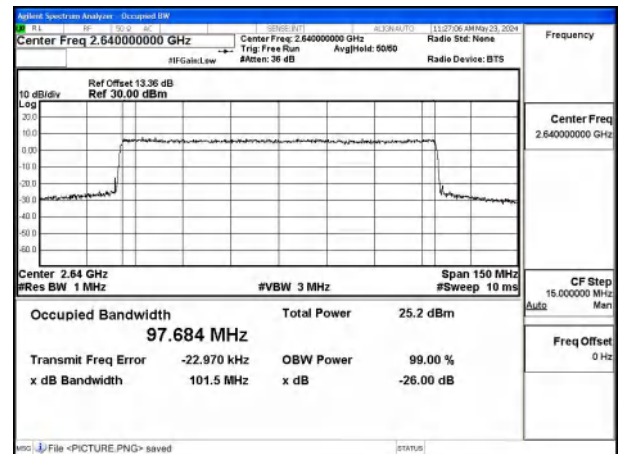


Fig.106

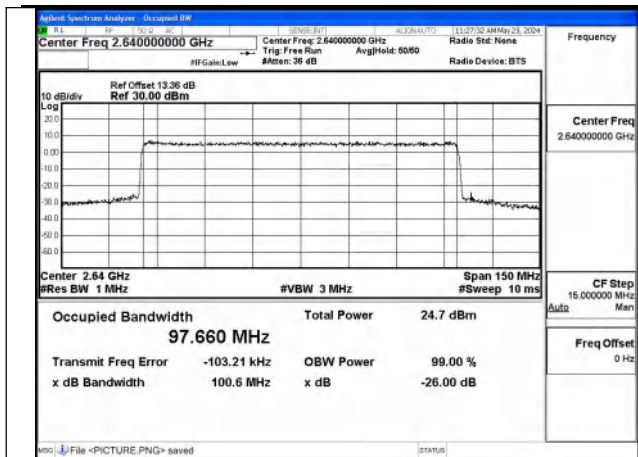


Fig.107

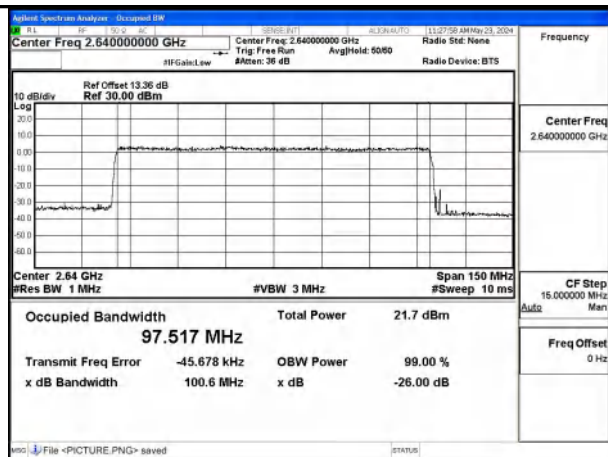


Fig.108

#### 4 Peak-Average Ratio

| Modulation           | Carrier frequency (MHz) | UL Channel | BW (MHz) | RB Size | RB Offset | PAR Plot |
|----------------------|-------------------------|------------|----------|---------|-----------|----------|
| DFT-s-OFDM PI/2 BPSK | 2506.02                 | 501204     | 20       | 50      | 0         | Fig.1    |
| DFT-s-OFDM QPSK      | 2506.02                 | 501204     | 20       | 50      | 0         | Fig.2    |
| DFT-s-OFDM 16QAM     | 2506.02                 | 501204     | 20       | 50      | 0         | Fig.3    |
| DFT-s-OFDM 64QAM     | 2506.02                 | 501204     | 20       | 50      | 0         | Fig.4    |
| DFT-s-OFDM 256QAM    | 2506.02                 | 501204     | 20       | 50      | 0         | Fig.5    |
| DFT-s-OFDM PI/2 BPSK | 2592.99                 | 518598     | 20       | 50      | 0         | Fig.6    |
| DFT-s-OFDM QPSK      | 2592.99                 | 518598     | 20       | 50      | 0         | Fig.7    |
| DFT-s-OFDM 16QAM     | 2592.99                 | 518598     | 20       | 50      | 0         | Fig.8    |
| DFT-s-OFDM 64QAM     | 2592.99                 | 518598     | 20       | 50      | 0         | Fig.9    |
| DFT-s-OFDM 256QAM    | 2592.99                 | 518598     | 20       | 50      | 0         | Fig.10   |
| DFT-s-OFDM PI/2 BPSK | 2679.99                 | 535998     | 20       | 50      | 0         | Fig.11   |
| DFT-s-OFDM QPSK      | 2679.99                 | 535998     | 20       | 50      | 0         | Fig.12   |
| DFT-s-OFDM 16QAM     | 2679.99                 | 535998     | 20       | 50      | 0         | Fig.13   |
| DFT-s-OFDM 64QAM     | 2679.99                 | 535998     | 20       | 50      | 0         | Fig.14   |
| DFT-s-OFDM 256QAM    | 2679.99                 | 535998     | 20       | 50      | 0         | Fig.15   |
| DFT-s-OFDM PI/2 BPSK | 2511                    | 502200     | 30       | 75      | 0         | Fig.16   |
| DFT-s-OFDM QPSK      | 2511                    | 502200     | 30       | 75      | 0         | Fig.17   |
| DFT-s-OFDM 16QAM     | 2511                    | 502200     | 30       | 75      | 0         | Fig.18   |
| DFT-s-OFDM 64QAM     | 2511                    | 502200     | 30       | 75      | 0         | Fig.19   |
| DFT-s-OFDM 256QAM    | 2511                    | 502200     | 30       | 75      | 0         | Fig.20   |
| DFT-s-OFDM PI/2 BPSK | 2592.99                 | 518598     | 30       | 75      | 0         | Fig.21   |
| DFT-s-OFDM QPSK      | 2592.99                 | 518598     | 30       | 75      | 0         | Fig.22   |
| DFT-s-OFDM 16QAM     | 2592.99                 | 518598     | 30       | 75      | 0         | Fig.23   |
| DFT-s-OFDM 64QAM     | 2592.99                 | 518598     | 30       | 75      | 0         | Fig.24   |
| DFT-s-OFDM 256QAM    | 2592.99                 | 518598     | 30       | 75      | 0         | Fig.25   |
| DFT-s-OFDM PI/2 BPSK | 2674.98                 | 534996     | 30       | 75      | 0         | Fig.26   |
| DFT-s-OFDM QPSK      | 2674.98                 | 534996     | 30       | 75      | 0         | Fig.27   |
| DFT-s-OFDM 16QAM     | 2674.98                 | 534996     | 30       | 75      | 0         | Fig.28   |
| DFT-s-OFDM 64QAM     | 2674.98                 | 534996     | 30       | 75      | 0         | Fig.29   |
| DFT-s-OFDM 256QAM    | 2674.98                 | 534996     | 30       | 75      | 0         | Fig.30   |
| DFT-s-OFDM PI/2 BPSK | 2516.01                 | 503202     | 40       | 100     | 0         | Fig.31   |
| DFT-s-OFDM QPSK      | 2516.01                 | 503202     | 40       | 100     | 0         | Fig.32   |
| DFT-s-OFDM 16QAM     | 2516.01                 | 503202     | 40       | 100     | 0         | Fig.33   |
| DFT-s-OFDM 64QAM     | 2516.01                 | 503202     | 40       | 100     | 0         | Fig.34   |
| DFT-s-OFDM 256QAM    | 2516.01                 | 503202     | 40       | 100     | 0         | Fig.35   |
| DFT-s-OFDM PI/2 BPSK | 2592.99                 | 518598     | 40       | 100     | 0         | Fig.36   |
| DFT-s-OFDM QPSK      | 2592.99                 | 518598     | 40       | 100     | 0         | Fig.37   |
| DFT-s-OFDM 16QAM     | 2592.99                 | 518598     | 40       | 100     | 0         | Fig.38   |
| DFT-s-OFDM 64QAM     | 2592.99                 | 518598     | 40       | 100     | 0         | Fig.39   |
| DFT-s-OFDM 256QAM    | 2592.99                 | 518598     | 40       | 100     | 0         | Fig.40   |
| DFT-s-OFDM PI/2 BPSK | 2670                    | 534000     | 40       | 100     | 0         | Fig.41   |
| DFT-s-OFDM QPSK      | 2670                    | 534000     | 40       | 100     | 0         | Fig.42   |
| DFT-s-OFDM 16QAM     | 2670                    | 534000     | 40       | 100     | 0         | Fig.43   |
| DFT-s-OFDM 64QAM     | 2670                    | 534000     | 40       | 100     | 0         | Fig.44   |

|                      |         |        |    |     |   |        |
|----------------------|---------|--------|----|-----|---|--------|
| DFT-s-OFDM 256QAM    | 2670    | 534000 | 40 | 100 | 0 | Fig.45 |
| DFT-s-OFDM PI/2 BPSK | 2521.02 | 504204 | 50 | 128 | 0 | Fig.46 |
| DFT-s-OFDM QPSK      | 2521.02 | 504204 | 50 | 128 | 0 | Fig.47 |
| DFT-s-OFDM 16QAM     | 2521.02 | 504204 | 50 | 128 | 0 | Fig.48 |
| DFT-s-OFDM 64QAM     | 2521.02 | 504204 | 50 | 128 | 0 | Fig.49 |
| DFT-s-OFDM 256QAM    | 2521.02 | 504204 | 50 | 128 | 0 | Fig.50 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 50 | 128 | 0 | Fig.51 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 50 | 128 | 0 | Fig.52 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 50 | 128 | 0 | Fig.53 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 50 | 128 | 0 | Fig.54 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 50 | 128 | 0 | Fig.55 |
| DFT-s-OFDM PI/2 BPSK | 2664.99 | 532998 | 50 | 128 | 0 | Fig.56 |
| DFT-s-OFDM QPSK      | 2664.99 | 532998 | 50 | 128 | 0 | Fig.57 |
| DFT-s-OFDM 16QAM     | 2664.99 | 532998 | 50 | 128 | 0 | Fig.58 |
| DFT-s-OFDM 64QAM     | 2664.99 | 532998 | 50 | 128 | 0 | Fig.59 |
| DFT-s-OFDM 256QAM    | 2664.99 | 532998 | 50 | 128 | 0 | Fig.60 |
| DFT-s-OFDM PI/2 BPSK | 2526    | 505200 | 60 | 162 | 0 | Fig.61 |
| DFT-s-OFDM QPSK      | 2526    | 505200 | 60 | 162 | 0 | Fig.62 |
| DFT-s-OFDM 16QAM     | 2526    | 505200 | 60 | 162 | 0 | Fig.63 |
| DFT-s-OFDM 64QAM     | 2526    | 505200 | 60 | 162 | 0 | Fig.64 |
| DFT-s-OFDM 256QAM    | 2526    | 505200 | 60 | 162 | 0 | Fig.65 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 60 | 162 | 0 | Fig.66 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 60 | 162 | 0 | Fig.67 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 60 | 162 | 0 | Fig.68 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 60 | 162 | 0 | Fig.69 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 60 | 162 | 0 | Fig.70 |
| DFT-s-OFDM PI/2 BPSK | 2659.98 | 531996 | 60 | 162 | 0 | Fig.71 |
| DFT-s-OFDM QPSK      | 2659.98 | 531996 | 60 | 162 | 0 | Fig.72 |
| DFT-s-OFDM 16QAM     | 2659.98 | 531996 | 60 | 162 | 0 | Fig.73 |
| DFT-s-OFDM 64QAM     | 2659.98 | 531996 | 60 | 162 | 0 | Fig.74 |
| DFT-s-OFDM 256QAM    | 2659.98 | 531996 | 60 | 162 | 0 | Fig.75 |
| DFT-s-OFDM PI/2 BPSK | 2531.01 | 506202 | 70 | 180 | 0 | Fig.76 |
| DFT-s-OFDM QPSK      | 2531.01 | 506202 | 70 | 180 | 0 | Fig.77 |
| DFT-s-OFDM 16QAM     | 2531.01 | 506202 | 70 | 180 | 0 | Fig.78 |
| DFT-s-OFDM 64QAM     | 2531.01 | 506202 | 70 | 180 | 0 | Fig.79 |
| DFT-s-OFDM 256QAM    | 2531.01 | 506202 | 70 | 180 | 0 | Fig.80 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 70 | 180 | 0 | Fig.81 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 70 | 180 | 0 | Fig.82 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 70 | 180 | 0 | Fig.83 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 70 | 180 | 0 | Fig.84 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 70 | 180 | 0 | Fig.85 |
| DFT-s-OFDM PI/2 BPSK | 2655    | 531000 | 70 | 180 | 0 | Fig.86 |
| DFT-s-OFDM QPSK      | 2655    | 531000 | 70 | 180 | 0 | Fig.87 |
| DFT-s-OFDM 16QAM     | 2655    | 531000 | 70 | 180 | 0 | Fig.88 |
| DFT-s-OFDM 64QAM     | 2655    | 531000 | 70 | 180 | 0 | Fig.89 |
| DFT-s-OFDM 256QAM    | 2655    | 531000 | 70 | 180 | 0 | Fig.90 |

|                      |         |        |     |     |   |         |
|----------------------|---------|--------|-----|-----|---|---------|
| DFT-s-OFDM PI/2 BPSK | 2536.02 | 507204 | 80  | 216 | 0 | Fig.91  |
| DFT-s-OFDM QPSK      | 2536.02 | 507204 | 80  | 216 | 0 | Fig.92  |
| DFT-s-OFDM 16QAM     | 2536.02 | 507204 | 80  | 216 | 0 | Fig.93  |
| DFT-s-OFDM 64QAM     | 2536.02 | 507204 | 80  | 216 | 0 | Fig.94  |
| DFT-s-OFDM 256QAM    | 2536.02 | 507204 | 80  | 216 | 0 | Fig.95  |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 80  | 216 | 0 | Fig.96  |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 80  | 216 | 0 | Fig.97  |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 80  | 216 | 0 | Fig.98  |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 80  | 216 | 0 | Fig.99  |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 80  | 216 | 0 | Fig.100 |
| DFT-s-OFDM PI/2 BPSK | 2649.99 | 529998 | 80  | 216 | 0 | Fig.101 |
| DFT-s-OFDM QPSK      | 2649.99 | 529998 | 80  | 216 | 0 | Fig.102 |
| DFT-s-OFDM 16QAM     | 2649.99 | 529998 | 80  | 216 | 0 | Fig.103 |
| DFT-s-OFDM 64QAM     | 2649.99 | 529998 | 80  | 216 | 0 | Fig.104 |
| DFT-s-OFDM 256QAM    | 2649.99 | 529998 | 80  | 216 | 0 | Fig.105 |
| DFT-s-OFDM PI/2 BPSK | 2541    | 508200 | 90  | 243 | 0 | Fig.106 |
| DFT-s-OFDM QPSK      | 2541    | 508200 | 90  | 243 | 0 | Fig.107 |
| DFT-s-OFDM 16QAM     | 2541    | 508200 | 90  | 243 | 0 | Fig.108 |
| DFT-s-OFDM 64QAM     | 2541    | 508200 | 90  | 243 | 0 | Fig.109 |
| DFT-s-OFDM 256QAM    | 2541    | 508200 | 90  | 243 | 0 | Fig.110 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 90  | 243 | 0 | Fig.111 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 90  | 243 | 0 | Fig.112 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 90  | 243 | 0 | Fig.113 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 90  | 243 | 0 | Fig.114 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 90  | 243 | 0 | Fig.115 |
| DFT-s-OFDM PI/2 BPSK | 2644.98 | 528996 | 90  | 243 | 0 | Fig.116 |
| DFT-s-OFDM QPSK      | 2644.98 | 528996 | 90  | 243 | 0 | Fig.117 |
| DFT-s-OFDM 16QAM     | 2644.98 | 528996 | 90  | 243 | 0 | Fig.118 |
| DFT-s-OFDM 64QAM     | 2644.98 | 528996 | 90  | 243 | 0 | Fig.119 |
| DFT-s-OFDM 256QAM    | 2644.98 | 528996 | 90  | 243 | 0 | Fig.120 |
| DFT-s-OFDM PI/2 BPSK | 2546.01 | 509202 | 100 | 270 | 0 | Fig.121 |
| DFT-s-OFDM QPSK      | 2546.01 | 509202 | 100 | 270 | 0 | Fig.122 |
| DFT-s-OFDM 16QAM     | 2546.01 | 509202 | 100 | 270 | 0 | Fig.123 |
| DFT-s-OFDM 64QAM     | 2546.01 | 509202 | 100 | 270 | 0 | Fig.124 |
| DFT-s-OFDM 256QAM    | 2546.01 | 509202 | 100 | 270 | 0 | Fig.125 |
| DFT-s-OFDM PI/2 BPSK | 2592.99 | 518598 | 100 | 270 | 0 | Fig.126 |
| DFT-s-OFDM QPSK      | 2592.99 | 518598 | 100 | 270 | 0 | Fig.127 |
| DFT-s-OFDM 16QAM     | 2592.99 | 518598 | 100 | 270 | 0 | Fig.128 |
| DFT-s-OFDM 64QAM     | 2592.99 | 518598 | 100 | 270 | 0 | Fig.129 |
| DFT-s-OFDM 256QAM    | 2592.99 | 518598 | 100 | 270 | 0 | Fig.130 |
| DFT-s-OFDM PI/2 BPSK | 2640    | 528000 | 100 | 270 | 0 | Fig.131 |
| DFT-s-OFDM QPSK      | 2640    | 528000 | 100 | 270 | 0 | Fig.132 |
| DFT-s-OFDM 16QAM     | 2640    | 528000 | 100 | 270 | 0 | Fig.133 |
| DFT-s-OFDM 64QAM     | 2640    | 528000 | 100 | 270 | 0 | Fig.134 |
| DFT-s-OFDM 256QAM    | 2640    | 528000 | 100 | 270 | 0 | Fig.135 |

Test Plot:

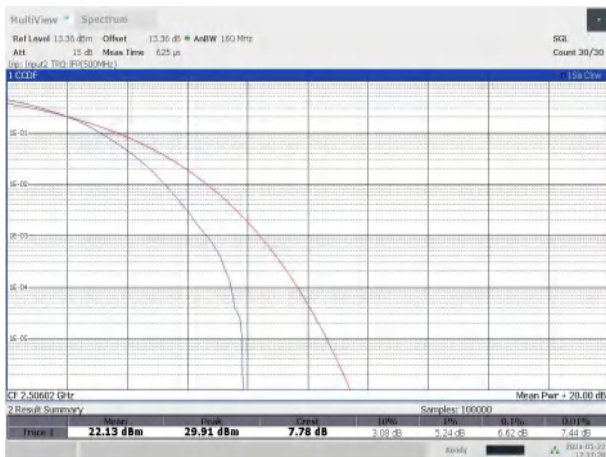


Fig.1

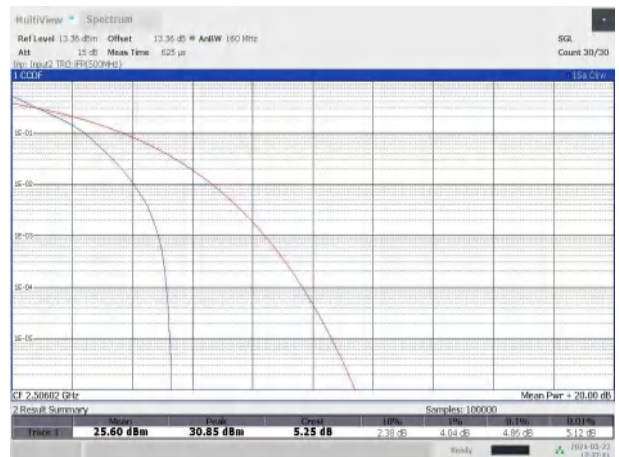


Fig.2

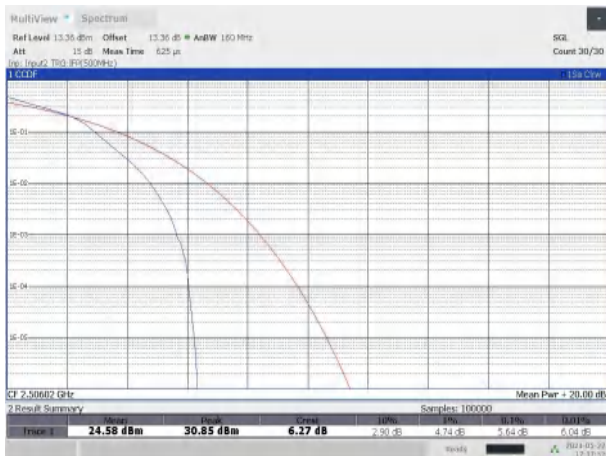


Fig.3

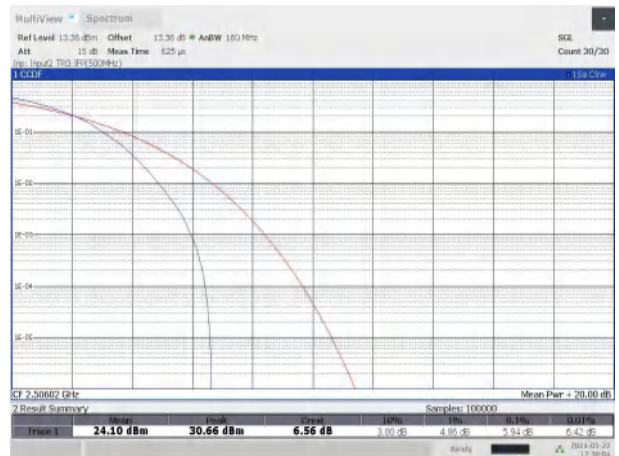


Fig.4

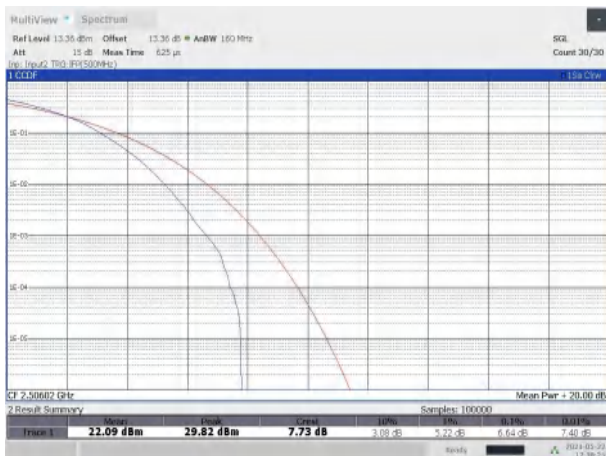


Fig.5

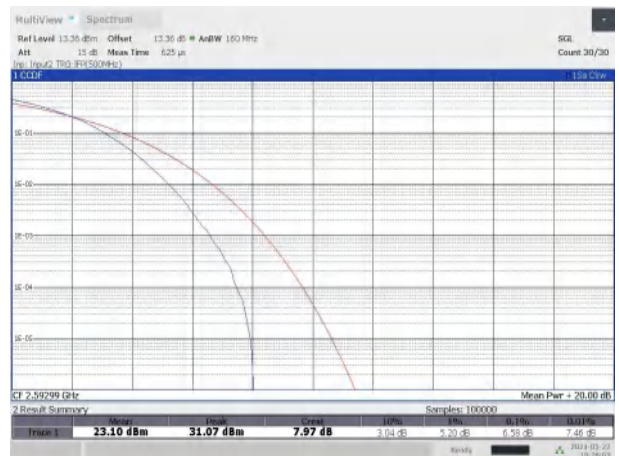


Fig.6

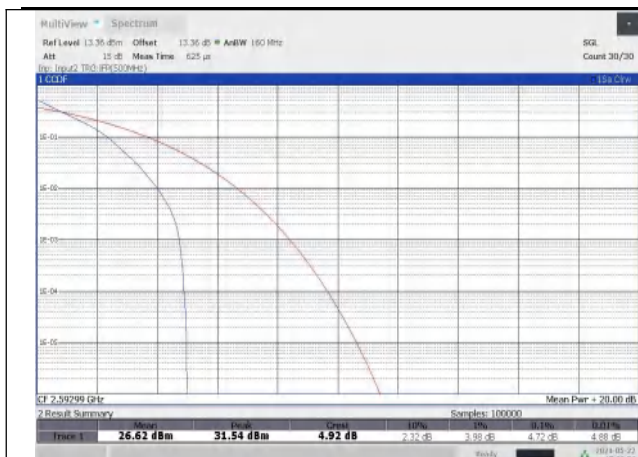


Fig.7

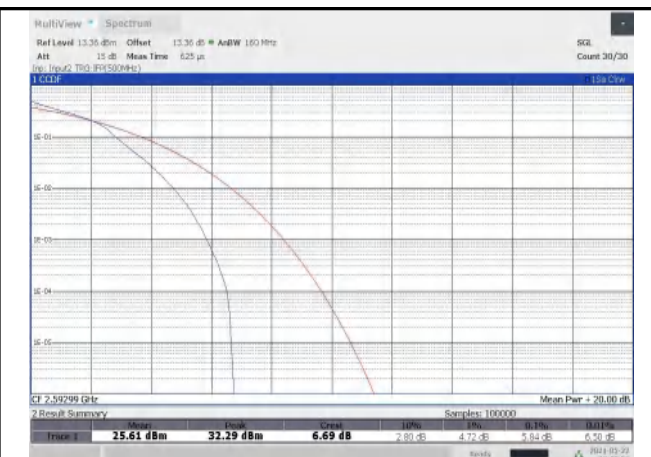


Fig.8

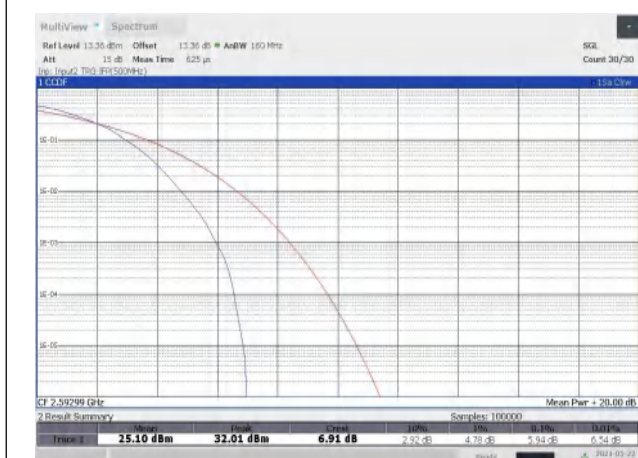


Fig.9

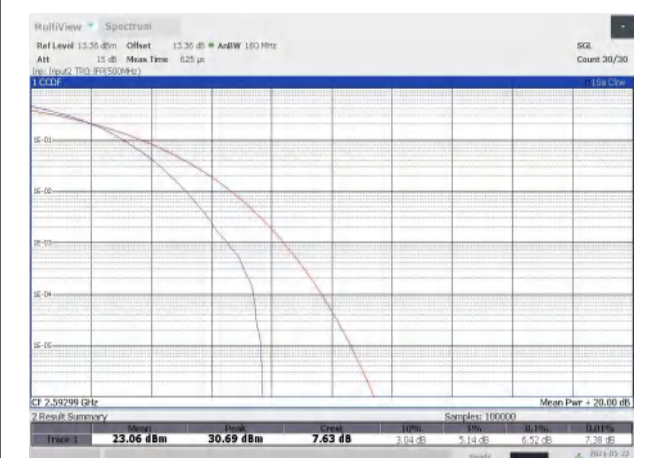


Fig.10

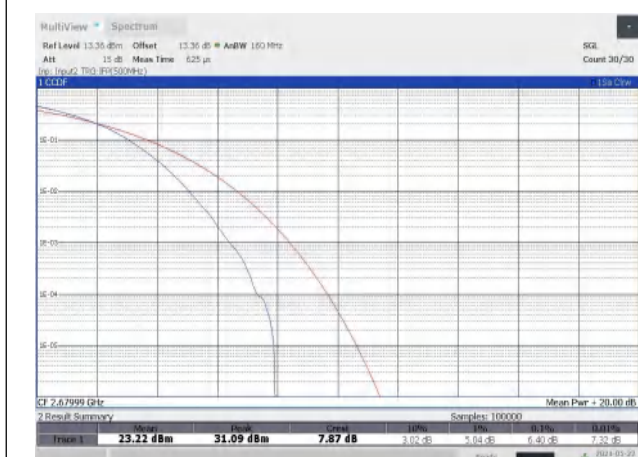


Fig.11

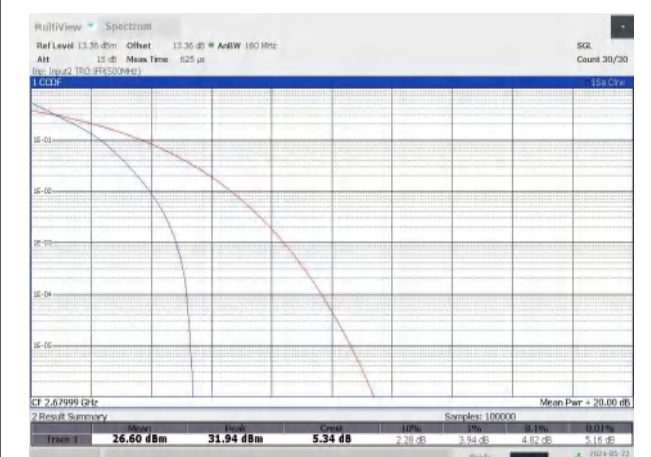


Fig.12

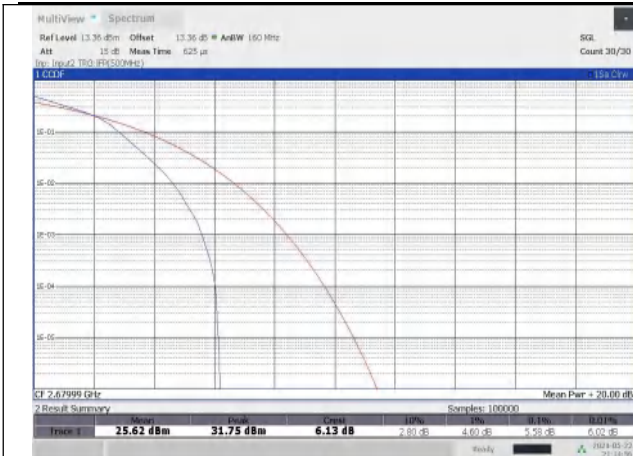


Fig.13

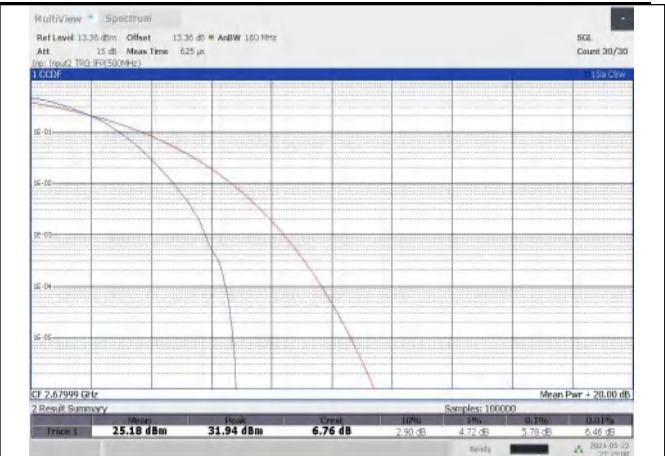


Fig.14

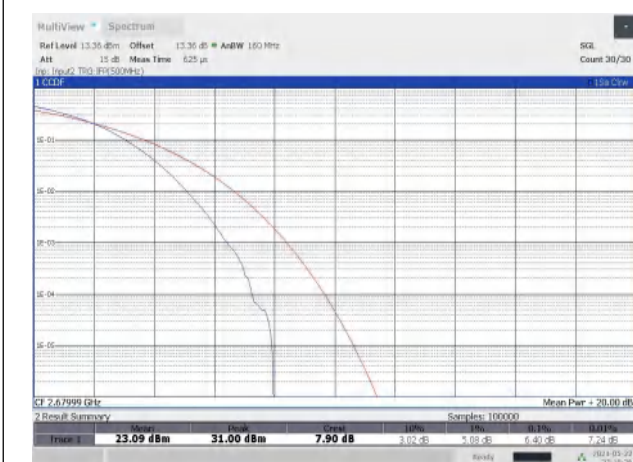


Fig.15

## 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 | 2506.02                 | 501204     | 20       | 51      | 0         | Fig.1                   | Fig.2  |
| CP-OFDM QPSK | 2506.02                 | 501204     | 20       | 1       | 0         | Fig.3                   | Fig.4  |
| CP-OFDM QPSK | 2506.02                 | 501204     | 20       | 1       | 50        | Fig.5                   | Fig.6  |
| CP-OFDM QPSK | 2592.99                 | 518598     | 20       | 51      | 0         | Fig.7                   | Fig.8  |
| CP-OFDM QPSK | 2592.99                 | 518598     | 20       | 1       | 0         | Fig.9                   | Fig.10 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 20       | 1       | 50        | Fig.11                  | Fig.12 |
| CP-OFDM QPSK | 2679.99                 | 535998     | 20       | 51      | 0         | Fig.13                  | Fig.14 |
| CP-OFDM QPSK | 2679.99                 | 535998     | 20       | 1       | 0         | Fig.15                  | Fig.16 |
| CP-OFDM QPSK | 2679.99                 | 535998     | 20       | 1       | 50        | Fig.17                  | Fig.18 |
| CP-OFDM QPSK | 2511                    | 502200     | 30       | 78      | 0         | Fig.19                  | Fig.20 |
| CP-OFDM QPSK | 2511                    | 502200     | 30       | 1       | 0         | Fig.21                  | Fig.22 |
| CP-OFDM QPSK | 2511                    | 502200     | 30       | 1       | 77        | Fig.23                  | Fig.24 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 30       | 78      | 0         | Fig.25                  | Fig.26 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 30       | 1       | 0         | Fig.27                  | Fig.28 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 30       | 1       | 77        | Fig.29                  | Fig.30 |
| CP-OFDM QPSK | 2674.98                 | 534996     | 30       | 78      | 0         | Fig.31                  | Fig.32 |
| CP-OFDM QPSK | 2674.98                 | 534996     | 30       | 1       | 0         | Fig.33                  | Fig.34 |
| CP-OFDM QPSK | 2674.98                 | 534996     | 30       | 1       | 77        | Fig.35                  | Fig.36 |
| CP-OFDM QPSK | 2516.01                 | 503202     | 40       | 106     | 0         | Fig.37                  | Fig.38 |
| CP-OFDM QPSK | 2516.01                 | 503202     | 40       | 1       | 0         | Fig.39                  | Fig.40 |
| CP-OFDM QPSK | 2516.01                 | 503202     | 40       | 1       | 105       | Fig.41                  | Fig.42 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 40       | 106     | 0         | Fig.43                  | Fig.44 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 40       | 1       | 0         | Fig.45                  | Fig.46 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 40       | 1       | 105       | Fig.47                  | Fig.48 |
| CP-OFDM QPSK | 2670                    | 534000     | 40       | 106     | 0         | Fig.49                  | Fig.50 |
| CP-OFDM QPSK | 2670                    | 534000     | 40       | 1       | 0         | Fig.51                  | Fig.52 |
| CP-OFDM QPSK | 2670                    | 534000     | 40       | 1       | 105       | Fig.53                  | Fig.54 |
| CP-OFDM QPSK | 2521.02                 | 504204     | 50       | 133     | 0         | Fig.55                  | Fig.56 |
| CP-OFDM QPSK | 2521.02                 | 504204     | 50       | 1       | 0         | Fig.57                  | Fig.58 |
| CP-OFDM QPSK | 2521.02                 | 504204     | 50       | 1       | 132       | Fig.59                  | Fig.60 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 50       | 133     | 0         | Fig.61                  | Fig.62 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 50       | 1       | 0         | Fig.63                  | Fig.64 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 50       | 1       | 132       | Fig.65                  | Fig.66 |
| CP-OFDM QPSK | 2664.99                 | 532998     | 50       | 133     | 0         | Fig.67                  | Fig.68 |
| CP-OFDM QPSK | 2664.99                 | 532998     | 50       | 1       | 0         | Fig.69                  | Fig.70 |
| CP-OFDM QPSK | 2664.99                 | 532998     | 50       | 1       | 132       | Fig.71                  | Fig.72 |
| CP-OFDM QPSK | 2526                    | 505200     | 60       | 162     | 0         | Fig.73                  | Fig.74 |
| CP-OFDM QPSK | 2526                    | 505200     | 60       | 1       | 0         | Fig.75                  | Fig.76 |
| CP-OFDM QPSK | 2526                    | 505200     | 60       | 1       | 161       | Fig.77                  | Fig.78 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 60       | 162     | 0         | Fig.79                  | Fig.80 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 60       | 1       | 0         | Fig.81                  | Fig.82 |
| CP-OFDM QPSK | 2592.99                 | 518598     | 60       | 1       | 161       | Fig.83                  | Fig.84 |
| CP-OFDM QPSK | 2659.98                 | 531996     | 60       | 162     | 0         | Fig.85                  | Fig.86 |

|              |         |        |     |     |     |         |         |
|--------------|---------|--------|-----|-----|-----|---------|---------|
| CP-OFDM QPSK | 2659.98 | 531996 | 60  | 1   | 0   | Fig.87  | Fig.88  |
| CP-OFDM QPSK | 2659.98 | 531996 | 60  | 1   | 161 | Fig.89  | Fig.90  |
| CP-OFDM QPSK | 2531.01 | 506202 | 70  | 189 | 0   | Fig.91  | Fig.92  |
| CP-OFDM QPSK | 2531.01 | 506202 | 70  | 1   | 0   | Fig.93  | Fig.94  |
| CP-OFDM QPSK | 2531.01 | 506202 | 70  | 1   | 188 | Fig.95  | Fig.96  |
| CP-OFDM QPSK | 2592.99 | 518598 | 70  | 189 | 0   | Fig.97  | Fig.98  |
| CP-OFDM QPSK | 2592.99 | 518598 | 70  | 1   | 0   | Fig.99  | Fig.100 |
| CP-OFDM QPSK | 2592.99 | 518598 | 70  | 1   | 188 | Fig.101 | Fig.102 |
| CP-OFDM QPSK | 2655    | 531000 | 70  | 189 | 0   | Fig.103 | Fig.104 |
| CP-OFDM QPSK | 2655    | 531000 | 70  | 1   | 0   | Fig.105 | Fig.106 |
| CP-OFDM QPSK | 2655    | 531000 | 70  | 1   | 188 | Fig.107 | Fig.108 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80  | 217 | 0   | Fig.109 | Fig.110 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80  | 1   | 0   | Fig.111 | Fig.112 |
| CP-OFDM QPSK | 2536.02 | 507204 | 80  | 1   | 216 | Fig.113 | Fig.114 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80  | 217 | 0   | Fig.115 | Fig.116 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80  | 1   | 0   | Fig.117 | Fig.118 |
| CP-OFDM QPSK | 2592.99 | 518598 | 80  | 1   | 216 | Fig.119 | Fig.120 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80  | 217 | 0   | Fig.121 | Fig.122 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80  | 1   | 0   | Fig.123 | Fig.124 |
| CP-OFDM QPSK | 2649.99 | 529998 | 80  | 1   | 216 | Fig.125 | Fig.126 |
| CP-OFDM QPSK | 2541    | 508200 | 90  | 245 | 0   | Fig.127 | Fig.128 |
| CP-OFDM QPSK | 2541    | 508200 | 90  | 1   | 0   | Fig.129 | Fig.130 |
| CP-OFDM QPSK | 2541    | 508200 | 90  | 1   | 244 | Fig.131 | Fig.132 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90  | 245 | 0   | Fig.133 | Fig.134 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90  | 1   | 0   | Fig.135 | Fig.136 |
| CP-OFDM QPSK | 2592.99 | 518598 | 90  | 1   | 244 | Fig.137 | Fig.138 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90  | 245 | 0   | Fig.139 | Fig.140 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90  | 1   | 0   | Fig.141 | Fig.142 |
| CP-OFDM QPSK | 2644.98 | 528996 | 90  | 1   | 244 | Fig.143 | Fig.144 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 273 | 0   | Fig.145 | Fig.146 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1   | 0   | Fig.147 | Fig.148 |
| CP-OFDM QPSK | 2546.01 | 509202 | 100 | 1   | 272 | Fig.149 | Fig.150 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 273 | 0   | Fig.151 | Fig.152 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1   | 0   | Fig.153 | Fig.154 |
| CP-OFDM QPSK | 2592.99 | 518598 | 100 | 1   | 272 | Fig.155 | Fig.156 |
| CP-OFDM QPSK | 2640    | 528000 | 100 | 273 | 0   | Fig.157 | Fig.158 |
| CP-OFDM QPSK | 2640    | 528000 | 100 | 1   | 0   | Fig.159 | Fig.160 |
| CP-OFDM QPSK | 2640    | 528000 | 100 | 1   | 272 | Fig.161 | Fig.162 |

Test Plot:

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

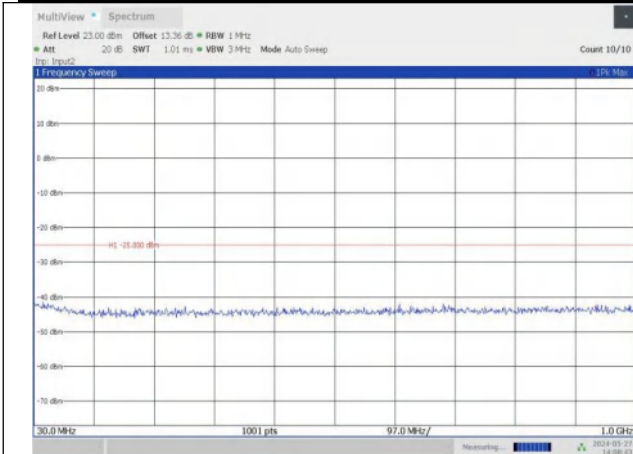


Fig.1

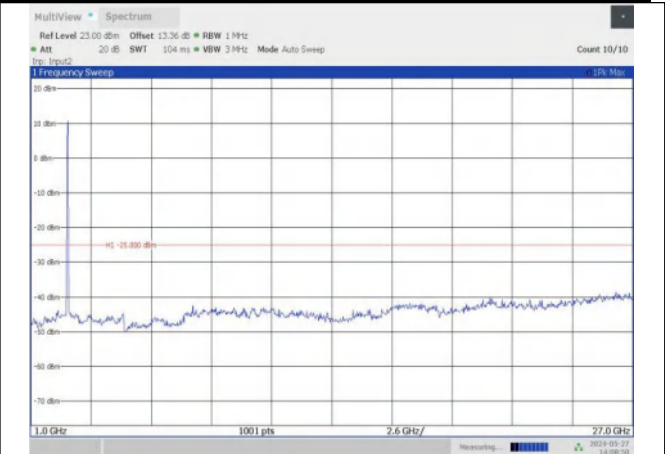


Fig.2

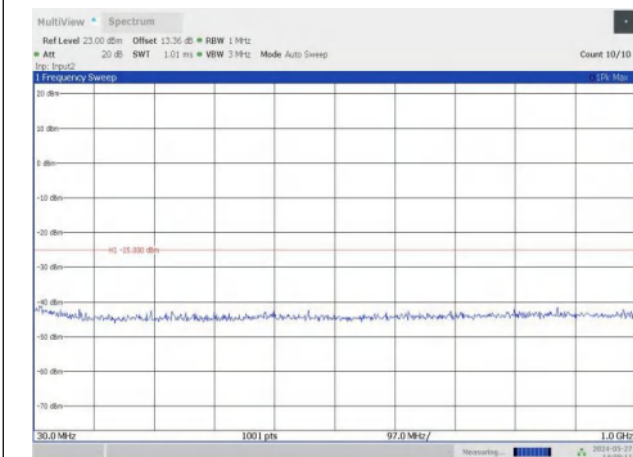


Fig.3

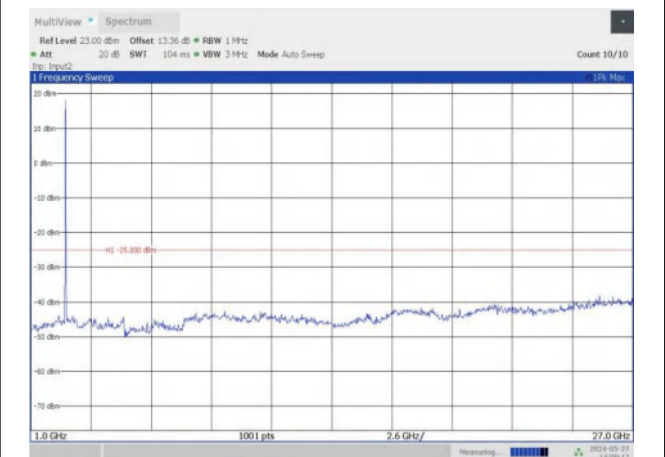


Fig.4

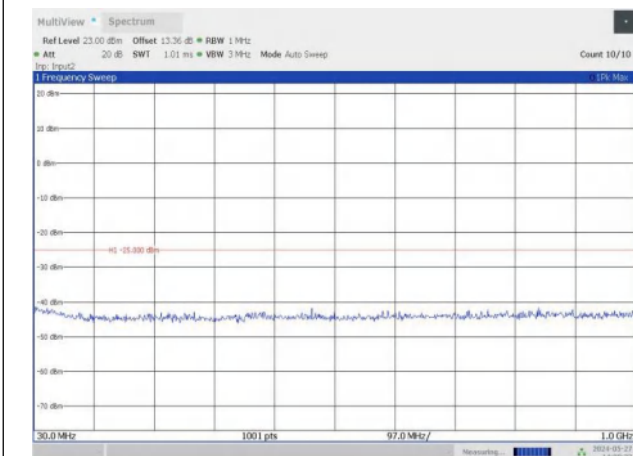


Fig.5

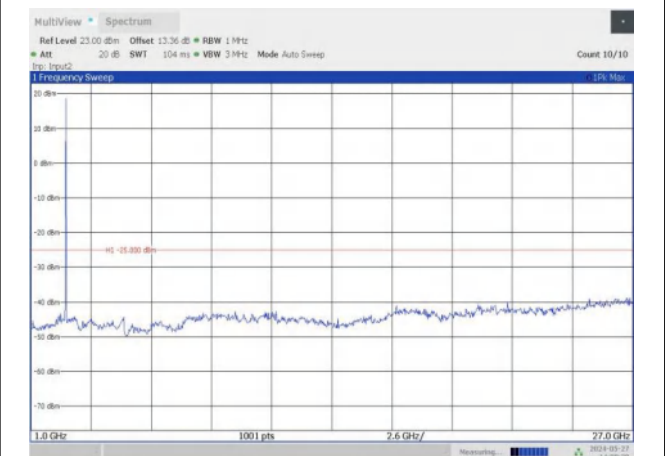


Fig.6

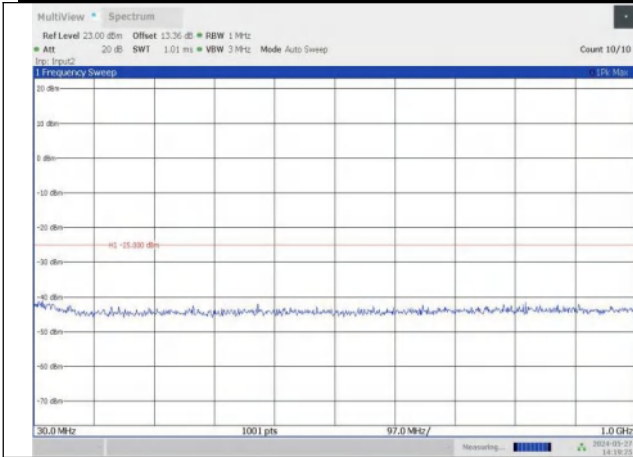


Fig.7

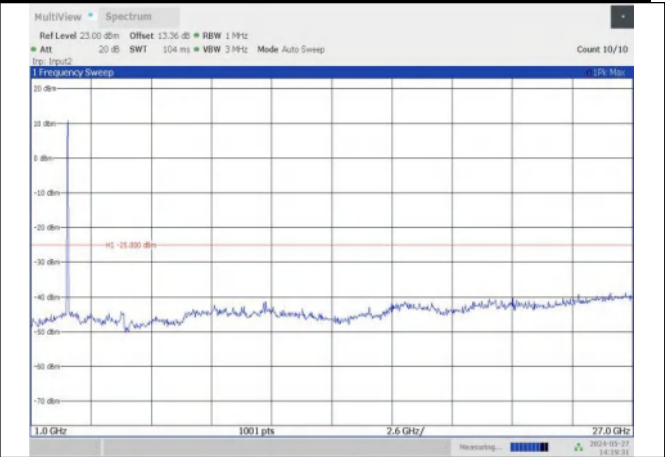


Fig.8

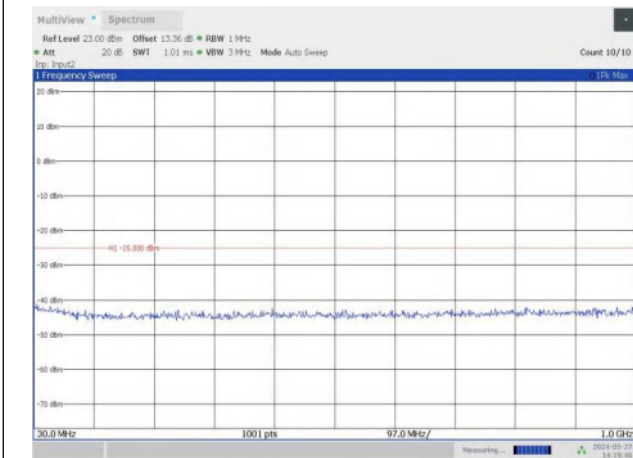


Fig.9

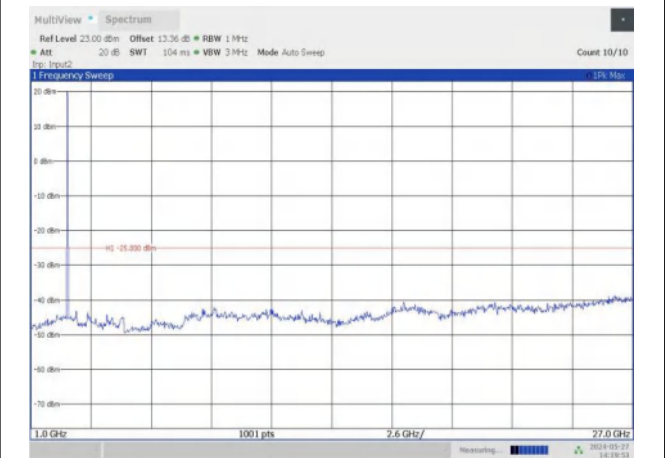


Fig.10

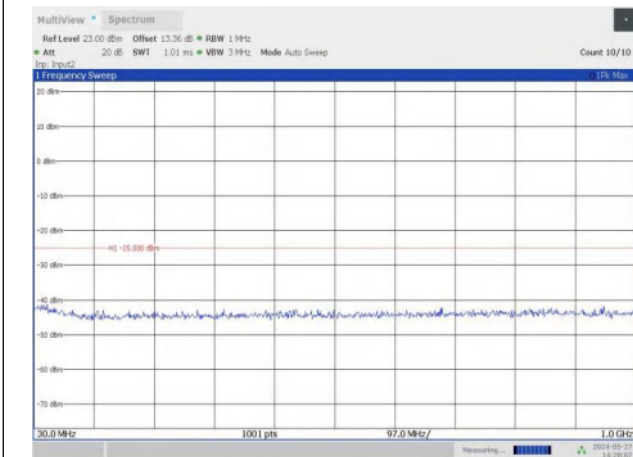


Fig.11

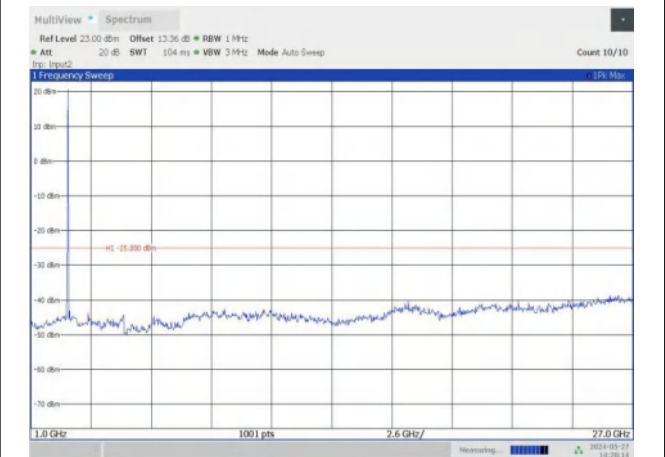


Fig.12

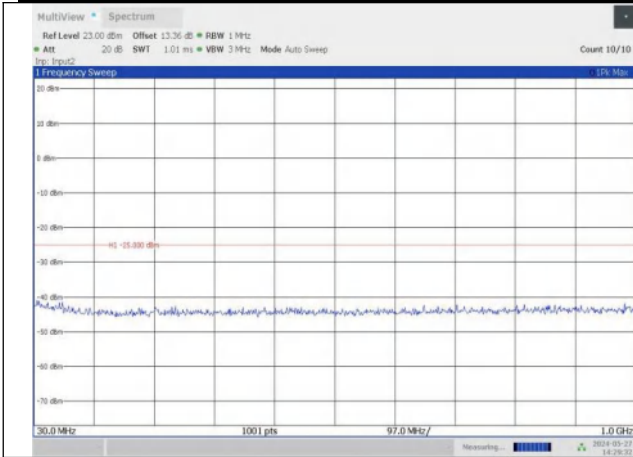


Fig.13

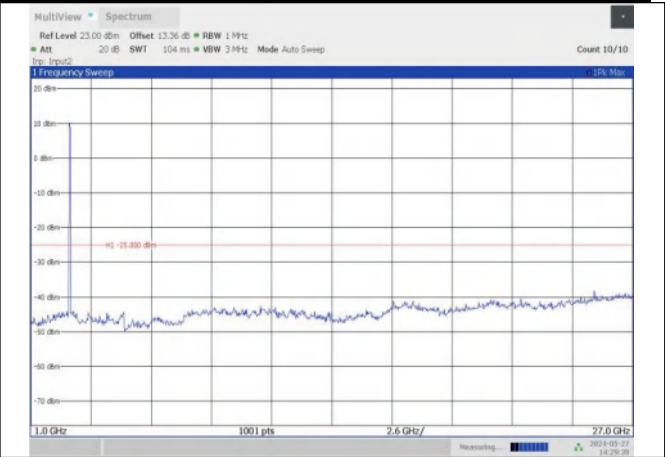


Fig.14

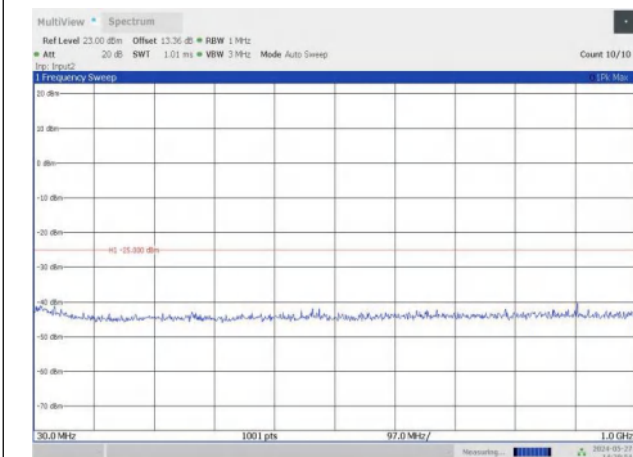


Fig.15

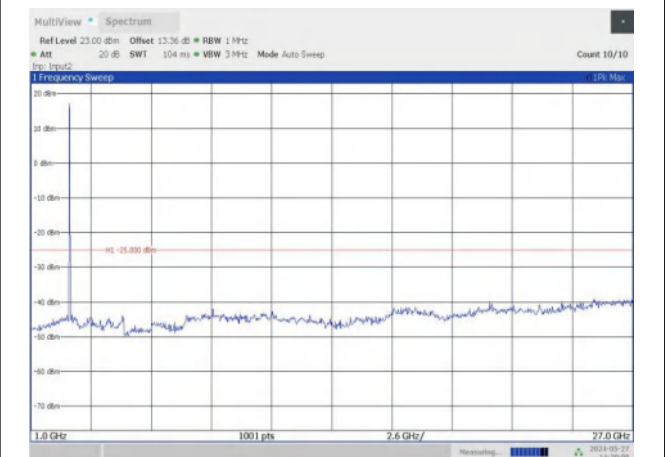


Fig.16

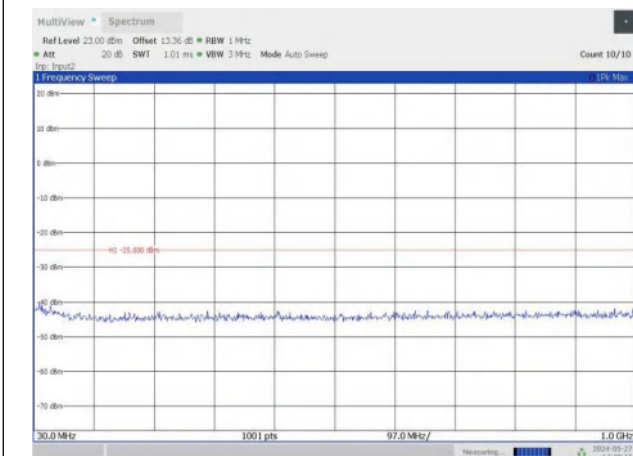


Fig.17

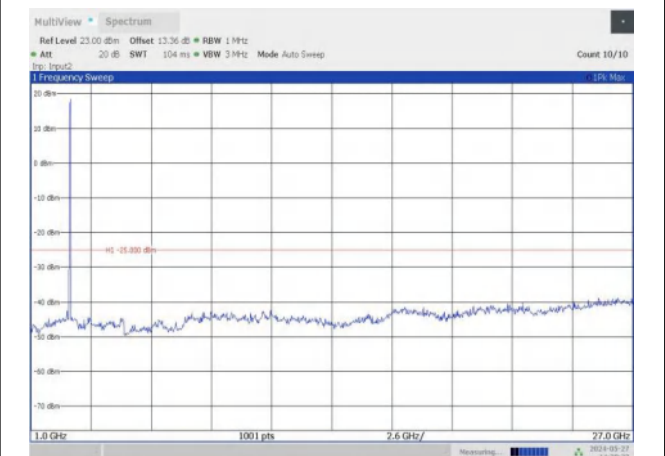


Fig.18

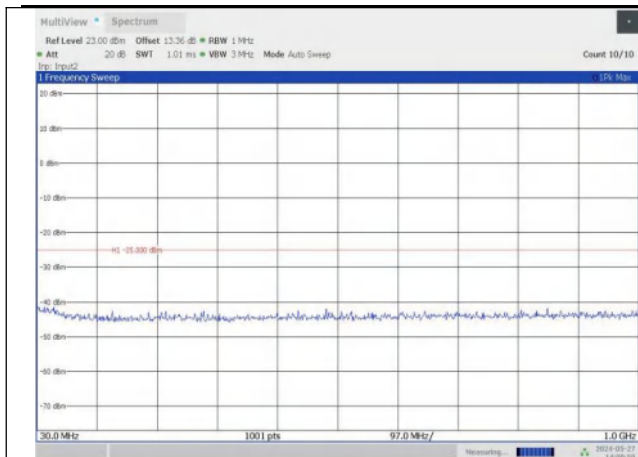


Fig.19

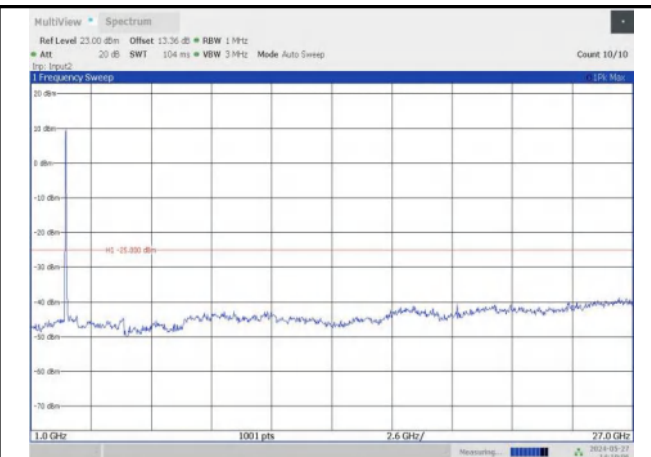


Fig.20

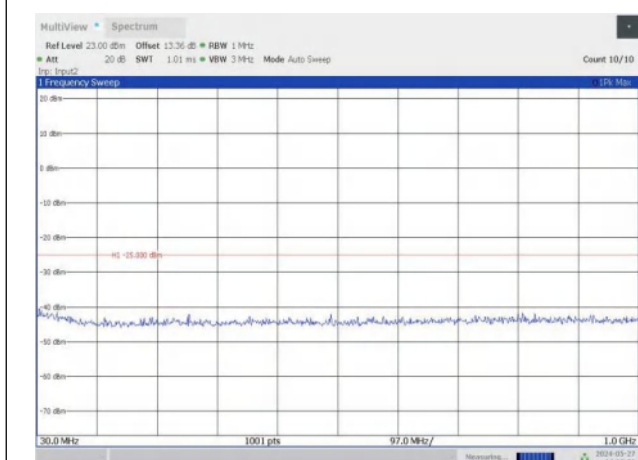


Fig.21

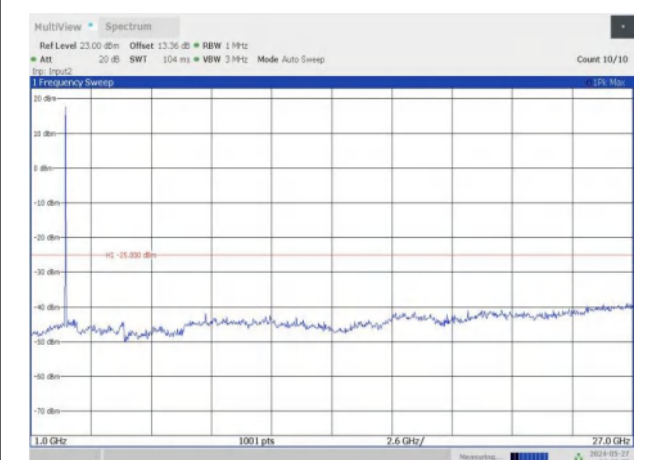


Fig.22

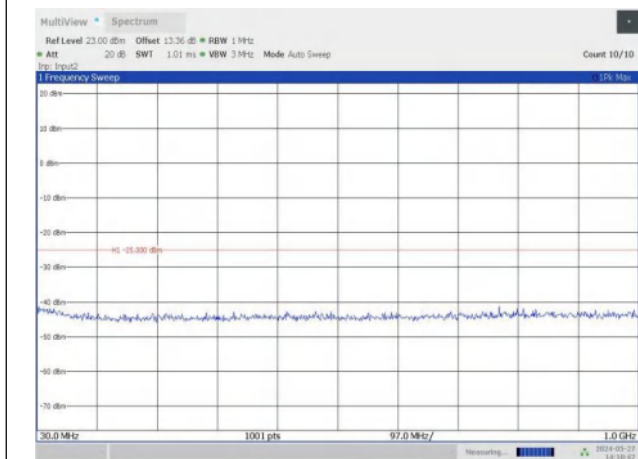


Fig.23

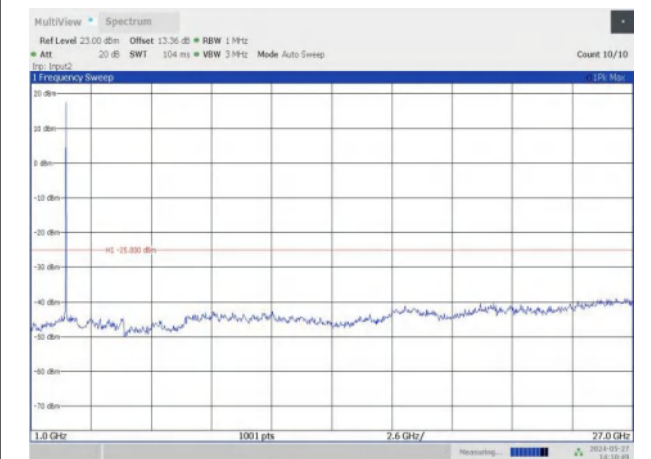


Fig.24

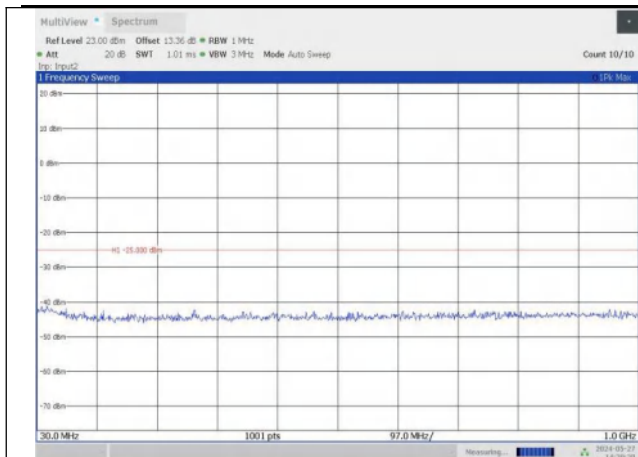


Fig.25

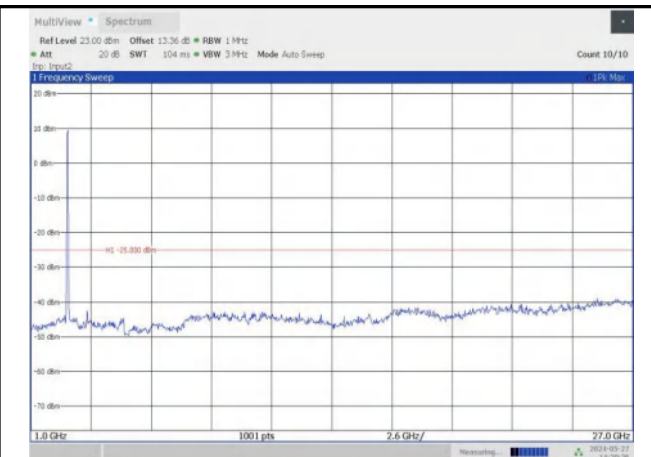


Fig.26

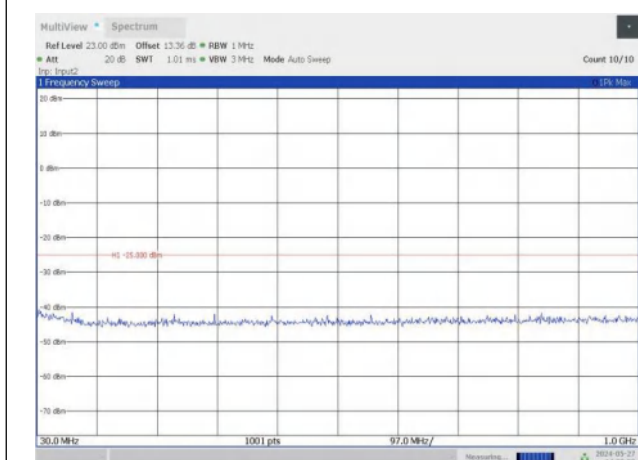


Fig.27

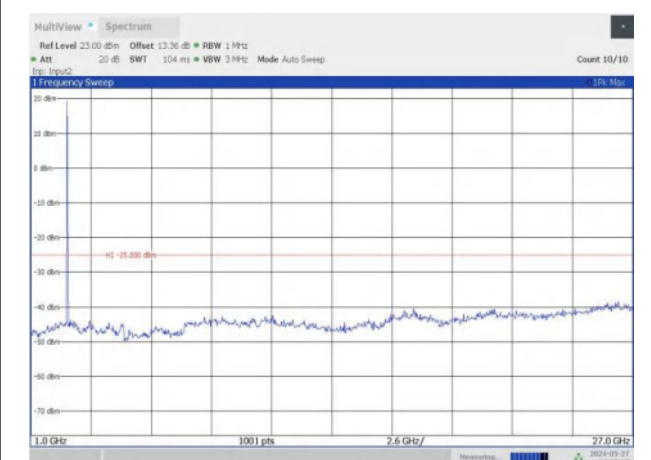


Fig.28

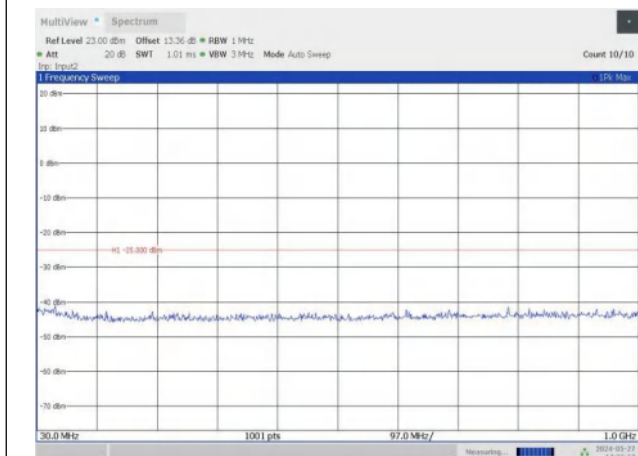


Fig.29

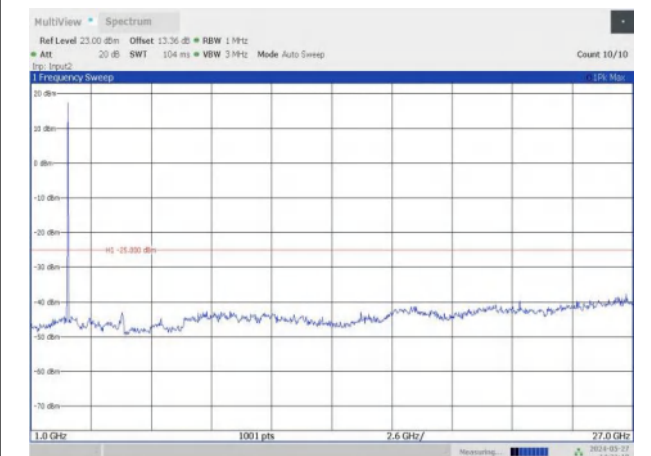


Fig.30

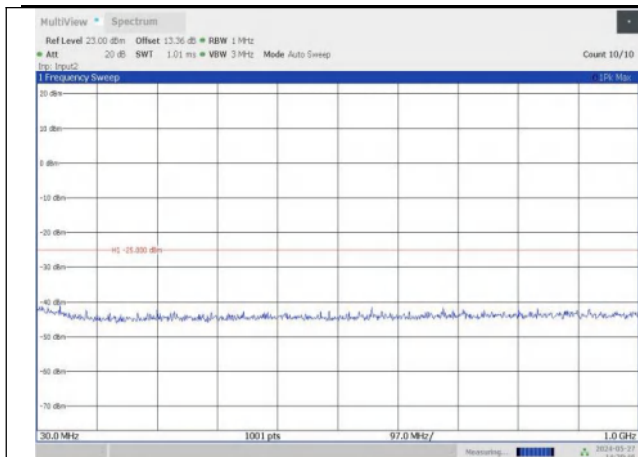


Fig.31

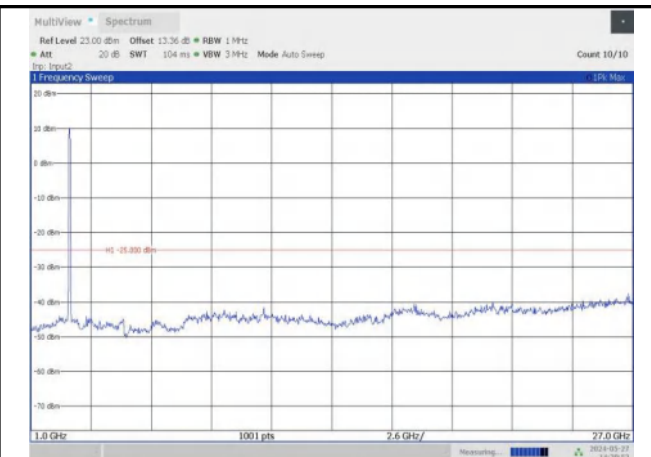


Fig.32

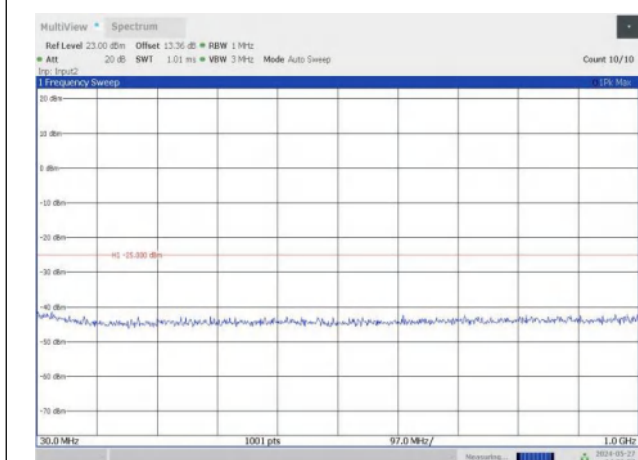


Fig.33

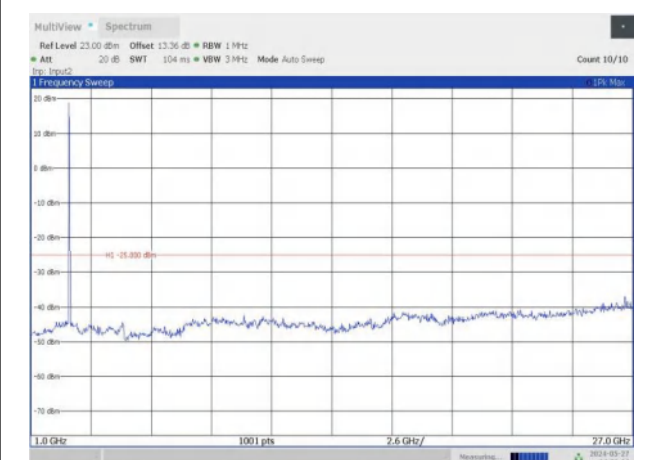


Fig.34

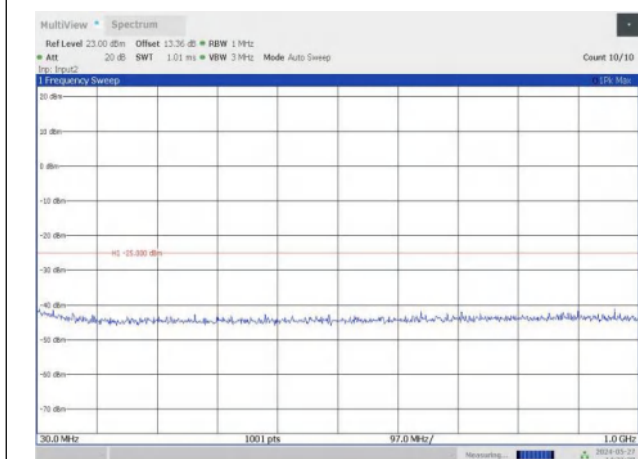


Fig.35

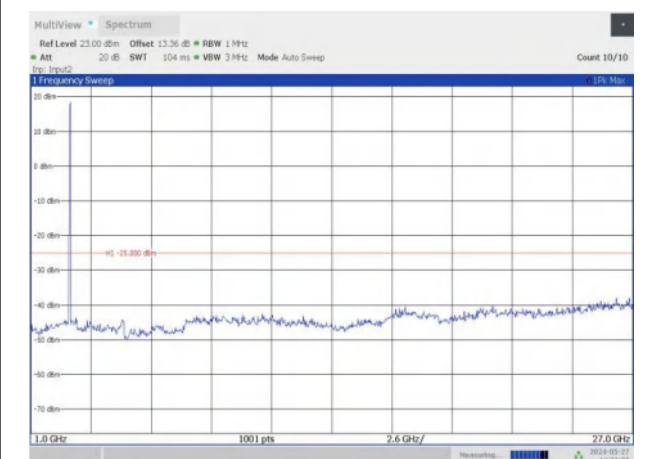


Fig.36