## Appendix E-4G Peak-to-average ratio (PAR)

### Test Information:

| | | | |
|---|---|---|---|
| **Sample No.:** | 2VO2-2 | **Test Date:** | 2024/12/25~2024/12/31 |
| **Test Site:** | RF | **Test Mode:** | Transmitting |
| **Tester:** | Usain Ou | **Test Result:** | Pass |

### Environmental Conditions:

| | | | | | |
|---|---|---|---|---|---|
| **Temperature: (°C):** | 23.2-24.7 | **Relative Humidity: (%)** | 40-48 | **ATM Pressure: (kPa)** | 101 |

## Peak-to-average Ratio(PAR)

## FCC Part 22H

**B5, Normal**

| Mode | Result (dB) | Limit (dB) |
|---|---|---|
| 10MHz_Low_QPSK_1@0 | 4.20 | 13 |
| 10MHz_Low_QPSK_50@0 | 4.72 | 13 |
| 10MHz_Low_16QAM_1@0 | 4.93 | 13 |
| 10MHz_Low_16QAM_50@0 | **5.57** | 13 |
| 10MHz_Middle_QPSK_1@0 | 4.41 | 13 |
| 10MHz_Middle_QPSK_50@0 | 4.43 | 13 |
| 10MHz_Middle_16QAM_1@0 | 5.16 | 13 |
| 10MHz_Middle_16QAM_50@0 | 5.45 | 13 |
| 10MHz_High_QPSK_1@0 | 4.17 | 13 |
| 10MHz_High_QPSK_50@0 | 4.58 | 13 |
| 10MHz_High_16QAM_1@0 | 5.01 | 13 |
| 10MHz_High_16QAM_50@0 | 5.54 | 13 |

**B26_2, Normal**

| Mode | Result (dB) | Limit (dB) |
|---|---|---|
| 15MHz_Low_QPSK_1@0 | 3.54 | 13 |
| 15MHz_Low_QPSK_75@0 | 4.67 | 13 |
| 15MHz_Low_16QAM_1@0 | 4.23 | 13 |
| 15MHz_Low_16QAM_75@0 | 5.45 | 13 |
| 15MHz_Middle_QPSK_1@0 | 3.54 | 13 |
| 15MHz_Middle_QPSK_75@0 | 4.81 | 13 |
| 15MHz_Middle_16QAM_1@0 | 4.26 | 13 |
| 15MHz_Middle_16QAM_75@0 | **5.57** | 13 |
| 15MHz_High_QPSK_1@0 | 3.57 | 13 |
| 15MHz_High_QPSK_75@0 | 4.67 | 13 |
| 15MHz_High_16QAM_1@0 | 4.38 | 13 |
| 15MHz_High_16QAM_75@0 | 5.45 | 13 |

**Note:worst case.**

## FCC Part 24E

**B2, Normal**

| Mode | Result (dB) | Limit (dB) |
|---|---|---|
| 20MHz_Low_QPSK_1@0 | **8.46** | 13 |
| 20MHz_Low_QPSK_100@0 | 5.42 | 13 |
| 20MHz_Low_16QAM_1@0 | 6 | 13 |
| 20MHz_Low_16QAM_100@0 | 6.43 | 13 |
| 20MHz_Middle_QPSK_1@0 | 5.33 | 13 |
| 20MHz_Middle_QPSK_100@0 | 5.28 | 13 |
| 20MHz_Middle_16QAM_1@0 | 6.06 | 13 |
| 20MHz_Middle_16QAM_100@0 | 6.35 | 13 |
| 20MHz_High_QPSK_1@0 | 5.30 | 13 |
| 20MHz_High_QPSK_100@0 | 5.42 | 13 |
| 20MHz_High_16QAM_1@0 | 6 | 13 |
| 20MHz_High_16QAM_100@0 | 6.49 | 13 |

**B25, Normal**

| Mode | Result (dB) | Limit (dB) |
|---|---|---|
| 20MHz_Low_QPSK_1@0 | 5.16 | 13 |
| 20MHz_Low_QPSK_100@0 | 5.39 | 13 |
| 20MHz_Low_16QAM_1@0 | 6 | 13 |
| 20MHz_Low_16QAM_100@0 | **6.41** | 13 |
| 20MHz_Middle_QPSK_1@0 | 5.33 | 13 |
| 20MHz_Middle_QPSK_100@0 | 5.30 | 13 |
| 20MHz_Middle_16QAM_1@0 | 6.06 | 13 |
| 20MHz_Middle_16QAM_100@0 | 6.38 | 13 |
| 20MHz_High_QPSK_1@0 | 5.30 | 13 |
| 20MHz_High_QPSK_100@0 | 5.16 | 13 |
| 20MHz_High_16QAM_1@0 | 6.03 | 13 |
| 20MHz_High_16QAM_100@0 | 6.32 | 13 |

**Note:worst case.**

## FCC Part 27

**B4, Normal**

| Mode | Result (dB) | Limit (dB) |
|---|---|---|
| 20MHz_Low_QPSK_1@0 | 4.70 | 13 |
| 20MHz_Low_QPSK_100@0 | 4.87 | 13 |
| 20MHz_Low_16QAM_1@0 | 5.30 | 13 |
| 20MHz_Low_16QAM_100@0 | 5.83 | 13 |
| 20MHz_Middle_QPSK_1@0 | 4.90 | 13 |
| 20MHz_Middle_QPSK_100@0 | 4.93 | 13 |
| 20MHz_Middle_16QAM_1@0 | 5.54 | 13 |
| 20MHz_Middle_16QAM_100@0 | **5.86** | 13 |
| 20MHz_High_QPSK_1@0 | 4.78 | 13 |
| 20MHz_High_QPSK_100@0 | 4.70 | 13 |
| 20MHz_High_16QAM_1@0 | 5.36 | 13 |
| 20MHz_High_16QAM_100@0 | 5.68 | 13 |

**B38, Normal**

| Mode | Result (dB) | Limit (dB) |
|---|---|---|
| 20MHz_Low_QPSK_1@0 | 4.72 | 13 |
| 20MHz_Low_QPSK_100@0 | 5.07 | 13 |
| 20MHz_Low_16QAM_1@0 | 5.48 | 13 |
| 20MHz_Low_16QAM_100@0 | **6.09** | 13 |
| 20MHz_Middle_QPSK_1@0 | 4.78 | 13 |
| 20MHz_Middle_QPSK_100@0 | 5.07 | 13 |
| 20MHz_Middle_16QAM_1@0 | 5.51 | 13 |
| 20MHz_Middle_16QAM_100@0 | 6.03 | 13 |
| 20MHz_High_QPSK_1@0 | 4.84 | 13 |
| 20MHz_High_QPSK_100@0 | 4.93 | 13 |
| 20MHz_High_16QAM_1@0 | 5.45 | 13 |
| 20MHz_High_16QAM_100@0 | 5.91 | 13 |

**B41, Normal**

| Mode | Result (dB) | Limit (dB) |
|---|---|---|
| 20MHz_Low_QPSK_1@0 | 5.01 | 13 |
| 20MHz_Low_QPSK_100@0 | 5.28 | 13 |
| 20MHz_Low_16QAM_1@0 | 5.86 | 13 |
| 20MHz_Low_16QAM_100@0 | **6.38** | 13 |
| 20MHz_Middle_QPSK_1@0 | 4.90 | 13 |
| 20MHz_Middle_QPSK_100@0 | 5.10 | 13 |
| 20MHz_Middle_16QAM_1@0 | 5.45 | 13 |
| 20MHz_Middle_16QAM_100@0 | 6.03 | 13 |
| 20MHz_High_QPSK_1@0 | 4.03 | 13 |
| 20MHz_High_QPSK_100@0 | 4.70 | 13 |
| 20MHz_High_16QAM_1@0 | 4.75 | 13 |
| 20MHz_High_16QAM_100@0 | **5.57** | 13 |

**B66, Normal**

| Mode | Result (dB) | Limit (dB) |
|---|---|---|
| 20MHz_Low_QPSK_1@0 | 4.67 | 13 |
| 20MHz_Low_QPSK_100@0 | 4.93 | 13 |
| 20MHz_Low_16QAM_1@0 | 5.30 | 13 |
| 20MHz_Low_16QAM_100@0 | **5.83** | 13 |
| 20MHz_Middle_QPSK_1@0 | 4.70 | 13 |
| 20MHz_Middle_QPSK_100@0 | 4.58 | 13 |
| 20MHz_Middle_16QAM_1@0 | 5.33 | 13 |
| 20MHz_Middle_16QAM_100@0 | 5.59 | 13 |
| 20MHz_High_QPSK_1@0 | 4.49 | 13 |
| 20MHz_High_QPSK_100@0 | 4.67 | 13 |
| 20MHz_High_16QAM_1@0 | 5.04 | 13 |
| 20MHz_High_16QAM_100@0 | 5.59 | 13 |

**B7, Normal**

| Mode | Result (dB) | Limit (dB) |
|---|---|---|
| 20MHz_Low_QPSK_1@0 | 4.06 | 13 |
| 20MHz_Low_QPSK_100@0 | 4.55 | 13 |
| 20MHz_Low_16QAM_1@0 | 4.70 | 13 |
| 20MHz_Low_16QAM_100@0 | **5.48** | 13 |
| 20MHz_Middle_QPSK_1@0 | 4 | 13 |
| 20MHz_Middle_QPSK_100@0 | 4.32 | 13 |
| 20MHz_Middle_16QAM_1@0 | 4.96 | 13 |
| 20MHz_Middle_16QAM_100@0 | 5.33 | 13 |
| 20MHz_High_QPSK_1@0 | 4.38 | 13 |
| 20MHz_High_QPSK_100@0 | 4.17 | 13 |
| 20MHz_High_16QAM_1@0 | 4.67 | 13 |
| 20MHz_High_16QAM_100@0 | 5.25 | 13 |

**Note:worst case.**