

# Appendix-B LTE Cat M1 Band 66

## Effective (Isotropic) Radiated Power Output Data for M1

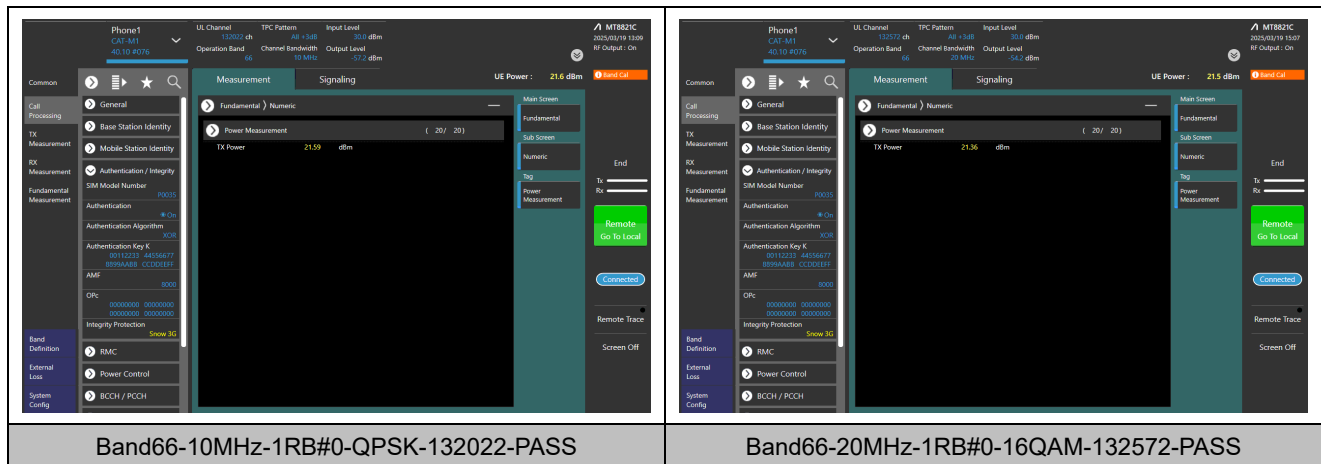
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Size | RB Start | NBIndex | Power (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|--------|-----------|------------|---------|---------|----------|---------|-------------|------------|-------------|---------|
| Band66 | 1.4MHz    | QPSK       | 131979  | 1       | 0        | Low     | 21.56       | 23.56      | 30          | PASS    |
| Band66 | 1.4MHz    | QPSK       | 131979  | 1       | 5        | Low     | 21.33       | 23.33      | 30          | PASS    |
| Band66 | 1.4MHz    | QPSK       | 131979  | 6       | 0        | Low     | 20.39       | 22.39      | 30          | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 1       | 0        | Low     | 21.31       | 23.31      | 30          | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 1       | 5        | Low     | 21.05       | 23.05      | 30          | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 6       | 0        | Low     | 20.1        | 22.1       | 30          | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 1       | 0        | High    | 21.27       | 23.27      | 30          | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 1       | 5        | High    | 21.09       | 23.09      | 30          | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 6       | 0        | High    | 20.17       | 22.17      | 30          | PASS    |
| Band66 | 3MHz      | QPSK       | 131987  | 1       | 0        | Low     | 21.57       | 23.57      | 30          | PASS    |
| Band66 | 3MHz      | QPSK       | 131987  | 1       | 5        | Low     | 21.31       | 23.31      | 30          | PASS    |
| Band66 | 3MHz      | QPSK       | 131987  | 6       | 0        | Low     | 20.33       | 22.33      | 30          | PASS    |
| Band66 | 3MHz      | QPSK       | 132322  | 1       | 0        | Low     | 21.26       | 23.26      | 30          | PASS    |
| Band66 | 3MHz      | QPSK       | 132322  | 1       | 5        | Low     | 21.09       | 23.09      | 30          | PASS    |
| Band66 | 3MHz      | QPSK       | 132322  | 6       | 0        | Low     | 20.08       | 22.08      | 30          | PASS    |
| Band66 | 3MHz      | QPSK       | 132657  | 1       | 0        | High    | 21.19       | 23.19      | 30          | PASS    |
| Band66 | 3MHz      | QPSK       | 132657  | 1       | 5        | High    | 21.1        | 23.1       | 30          | PASS    |
| Band66 | 3MHz      | QPSK       | 132657  | 6       | 0        | High    | 20.2        | 22.2       | 30          | PASS    |
| Band66 | 5MHz      | QPSK       | 131997  | 1       | 0        | Low     | 21.48       | 23.48      | 30          | PASS    |
| Band66 | 5MHz      | QPSK       | 131997  | 1       | 5        | Low     | 21.38       | 23.38      | 30          | PASS    |
| Band66 | 5MHz      | QPSK       | 131997  | 6       | 0        | Low     | 20.59       | 22.59      | 30          | PASS    |
| Band66 | 5MHz      | QPSK       | 132322  | 1       | 0        | Low     | 21.12       | 23.12      | 30          | PASS    |
| Band66 | 5MHz      | QPSK       | 132322  | 1       | 5        | Low     | 21.02       | 23.02      | 30          | PASS    |
| Band66 | 5MHz      | QPSK       | 132322  | 6       | 0        | Low     | 20.22       | 22.22      | 30          | PASS    |
| Band66 | 5MHz      | QPSK       | 132647  | 1       | 0        | High    | 21.48       | 23.48      | 30          | PASS    |
| Band66 | 5MHz      | QPSK       | 132647  | 1       | 5        | High    | 21.09       | 23.09      | 30          | PASS    |
| Band66 | 5MHz      | QPSK       | 132647  | 6       | 0        | High    | 20.33       | 22.33      | 30          | PASS    |
| Band66 | 10MHz     | QPSK       | 132022  | 1       | 0        | Low     | 21.59       | 23.59      | 30          | PASS    |
| Band66 | 10MHz     | QPSK       | 132022  | 1       | 5        | Low     | 21.35       | 23.35      | 30          | PASS    |
| Band66 | 10MHz     | QPSK       | 132022  | 6       | 0        | Low     | 20.44       | 22.44      | 30          | PASS    |
| Band66 | 10MHz     | QPSK       | 132322  | 1       | 0        | Low     | 21.17       | 23.17      | 30          | PASS    |
| Band66 | 10MHz     | QPSK       | 132322  | 1       | 5        | Low     | 21.01       | 23.01      | 30          | PASS    |
| Band66 | 10MHz     | QPSK       | 132322  | 6       | 0        | Low     | 20.12       | 22.12      | 30          | PASS    |
| Band66 | 10MHz     | QPSK       | 132622  | 1       | 0        | High    | 21.26       | 23.26      | 30          | PASS    |
| Band66 | 10MHz     | QPSK       | 132622  | 1       | 5        | High    | 21.12       | 23.12      | 30          | PASS    |
| Band66 | 10MHz     | QPSK       | 132622  | 6       | 0        | High    | 20.39       | 22.39      | 30          | PASS    |

|        |        |       |        |   |   |      |       |       |    |      |
|--------|--------|-------|--------|---|---|------|-------|-------|----|------|
| Band66 | 15MHz  | QPSK  | 132047 | 1 | 0 | Low  | 21.44 | 23.44 | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132047 | 1 | 5 | Low  | 21.3  | 23.3  | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132047 | 6 | 0 | Low  | 21.42 | 23.42 | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132322 | 1 | 0 | Low  | 21.12 | 23.12 | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132322 | 1 | 5 | Low  | 20.97 | 22.97 | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132322 | 6 | 0 | Low  | 21.1  | 23.1  | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132597 | 1 | 0 | High | 21.32 | 23.32 | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132597 | 1 | 5 | High | 21.18 | 23.18 | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132597 | 6 | 0 | High | 21.52 | 23.52 | 30 | PASS |
| Band66 | 20MHz  | QPSK  | 132322 | 1 | 0 | Low  | 21.19 | 23.19 | 30 | PASS |
| Band66 | 20MHz  | QPSK  | 132322 | 1 | 5 | Low  | 21.08 | 23.08 | 30 | PASS |
| Band66 | 20MHz  | QPSK  | 132322 | 6 | 0 | Low  | 21.23 | 23.23 | 30 | PASS |
| Band66 | 20MHz  | QPSK  | 132572 | 1 | 0 | High | 21.37 | 23.37 | 30 | PASS |
| Band66 | 20MHz  | QPSK  | 132572 | 1 | 5 | High | 21.32 | 23.32 | 30 | PASS |
| Band66 | 20MHz  | QPSK  | 132572 | 6 | 0 | High | 21.43 | 23.43 | 30 | PASS |
| Band66 | 1.4MHz | QPSK  | 131979 | 5 | 0 | Low  | 20.36 | 22.36 | 30 | PASS |
| Band66 | 1.4MHz | QPSK  | 132322 | 5 | 0 | Low  | 20.09 | 22.09 | 30 | PASS |
| Band66 | 1.4MHz | QPSK  | 132665 | 5 | 0 | High | 20.27 | 22.27 | 30 | PASS |
| Band66 | 3MHz   | QPSK  | 131987 | 5 | 0 | Low  | 20.36 | 22.36 | 30 | PASS |
| Band66 | 3MHz   | QPSK  | 132322 | 5 | 0 | Low  | 20.13 | 22.13 | 30 | PASS |
| Band66 | 3MHz   | QPSK  | 132657 | 5 | 0 | High | 20.24 | 22.24 | 30 | PASS |
| Band66 | 5MHz   | QPSK  | 131997 | 5 | 0 | Low  | 20.45 | 22.45 | 30 | PASS |
| Band66 | 5MHz   | QPSK  | 132322 | 5 | 0 | Low  | 20.19 | 22.19 | 30 | PASS |
| Band66 | 5MHz   | QPSK  | 132647 | 5 | 0 | High | 20.27 | 22.27 | 30 | PASS |
| Band66 | 10MHz  | QPSK  | 132022 | 5 | 0 | Low  | 21.49 | 23.49 | 30 | PASS |
| Band66 | 10MHz  | QPSK  | 132322 | 5 | 0 | Low  | 21.18 | 23.18 | 30 | PASS |
| Band66 | 10MHz  | QPSK  | 132622 | 5 | 0 | High | 21.41 | 23.41 | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132047 | 5 | 0 | Low  | 21.43 | 23.43 | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132322 | 5 | 0 | Low  | 21.12 | 23.12 | 30 | PASS |
| Band66 | 15MHz  | QPSK  | 132597 | 5 | 0 | High | 21.58 | 23.58 | 30 | PASS |
| Band66 | 20MHz  | QPSK  | 132322 | 5 | 0 | Low  | 21.24 | 23.24 | 30 | PASS |
| Band66 | 20MHz  | QPSK  | 132572 | 5 | 0 | High | 21.38 | 23.38 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 131979 | 1 | 0 | Low  | 20.64 | 22.64 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 131979 | 1 | 5 | Low  | 20.46 | 22.46 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 131979 | 5 | 0 | Low  | 20.45 | 22.45 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132322 | 1 | 0 | Low  | 20.34 | 22.34 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132322 | 1 | 5 | Low  | 20.22 | 22.22 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132322 | 5 | 0 | Low  | 20.18 | 22.18 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 1 | 0 | High | 20.22 | 22.22 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 1 | 5 | High | 20.08 | 22.08 | 30 | PASS |
| Band66 | 1.4MHz | 16QAM | 132665 | 5 | 0 | High | 20.28 | 22.28 | 30 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 1 | 0 | Low  | 20.65 | 22.65 | 30 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 1 | 5 | Low  | 20.47 | 22.47 | 30 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 5 | 0 | Low  | 20.5  | 22.5  | 30 | PASS |

|        |       |       |        |   |   |      |       |       |    |      |
|--------|-------|-------|--------|---|---|------|-------|-------|----|------|
| Band66 | 3MHz  | 16QAM | 132322 | 1 | 0 | Low  | 20.75 | 22.75 | 30 | PASS |
| Band66 | 3MHz  | 16QAM | 132322 | 1 | 5 | Low  | 20.29 | 22.29 | 30 | PASS |
| Band66 | 3MHz  | 16QAM | 132322 | 5 | 0 | Low  | 20.16 | 22.16 | 30 | PASS |
| Band66 | 3MHz  | 16QAM | 132657 | 1 | 0 | High | 20.18 | 22.18 | 30 | PASS |
| Band66 | 3MHz  | 16QAM | 132657 | 1 | 5 | High | 20.1  | 22.1  | 30 | PASS |
| Band66 | 3MHz  | 16QAM | 132657 | 5 | 0 | High | 20.23 | 22.23 | 30 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 1 | 0 | Low  | 21.07 | 23.07 | 30 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 1 | 5 | Low  | 20.92 | 22.92 | 30 | PASS |
| Band66 | 5MHz  | 16QAM | 131997 | 5 | 0 | Low  | 20.12 | 22.12 | 30 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 1 | 0 | Low  | 20.78 | 22.78 | 30 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 1 | 5 | Low  | 20.54 | 22.54 | 30 | PASS |
| Band66 | 5MHz  | 16QAM | 132322 | 5 | 0 | Low  | 20.73 | 22.73 | 30 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 1 | 0 | High | 21.33 | 23.33 | 30 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 1 | 5 | High | 21.09 | 23.09 | 30 | PASS |
| Band66 | 5MHz  | 16QAM | 132647 | 5 | 0 | High | 20.99 | 22.99 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 1 | 0 | Low  | 21.05 | 23.05 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 1 | 5 | Low  | 20.91 | 22.91 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132022 | 5 | 0 | Low  | 21.17 | 23.17 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 1 | 0 | Low  | 20.84 | 22.84 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 1 | 5 | Low  | 20.62 | 22.62 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132322 | 5 | 0 | Low  | 20.87 | 22.87 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 1 | 0 | High | 21.25 | 23.25 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 1 | 5 | High | 21.14 | 23.14 | 30 | PASS |
| Band66 | 10MHz | 16QAM | 132622 | 5 | 0 | High | 21.19 | 23.19 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 1 | 0 | Low  | 20.97 | 22.97 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 1 | 5 | Low  | 20.95 | 22.95 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132047 | 5 | 0 | Low  | 21.28 | 23.28 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 1 | 0 | Low  | 20.72 | 22.72 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 1 | 5 | Low  | 20.61 | 22.61 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132322 | 5 | 0 | Low  | 20.79 | 22.79 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 1 | 0 | High | 21.35 | 23.35 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 1 | 5 | High | 21.13 | 23.13 | 30 | PASS |
| Band66 | 15MHz | 16QAM | 132597 | 5 | 0 | High | 21.18 | 23.18 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 1 | 0 | Low  | 20.86 | 22.86 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 1 | 5 | Low  | 20.59 | 22.59 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132322 | 5 | 0 | Low  | 20.76 | 22.76 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 1 | 0 | High | 21.36 | 23.36 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 1 | 5 | High | 21.15 | 23.15 | 30 | PASS |
| Band66 | 20MHz | 16QAM | 132572 | 5 | 0 | High | 21.19 | 23.19 | 30 | PASS |

## Test Graphs

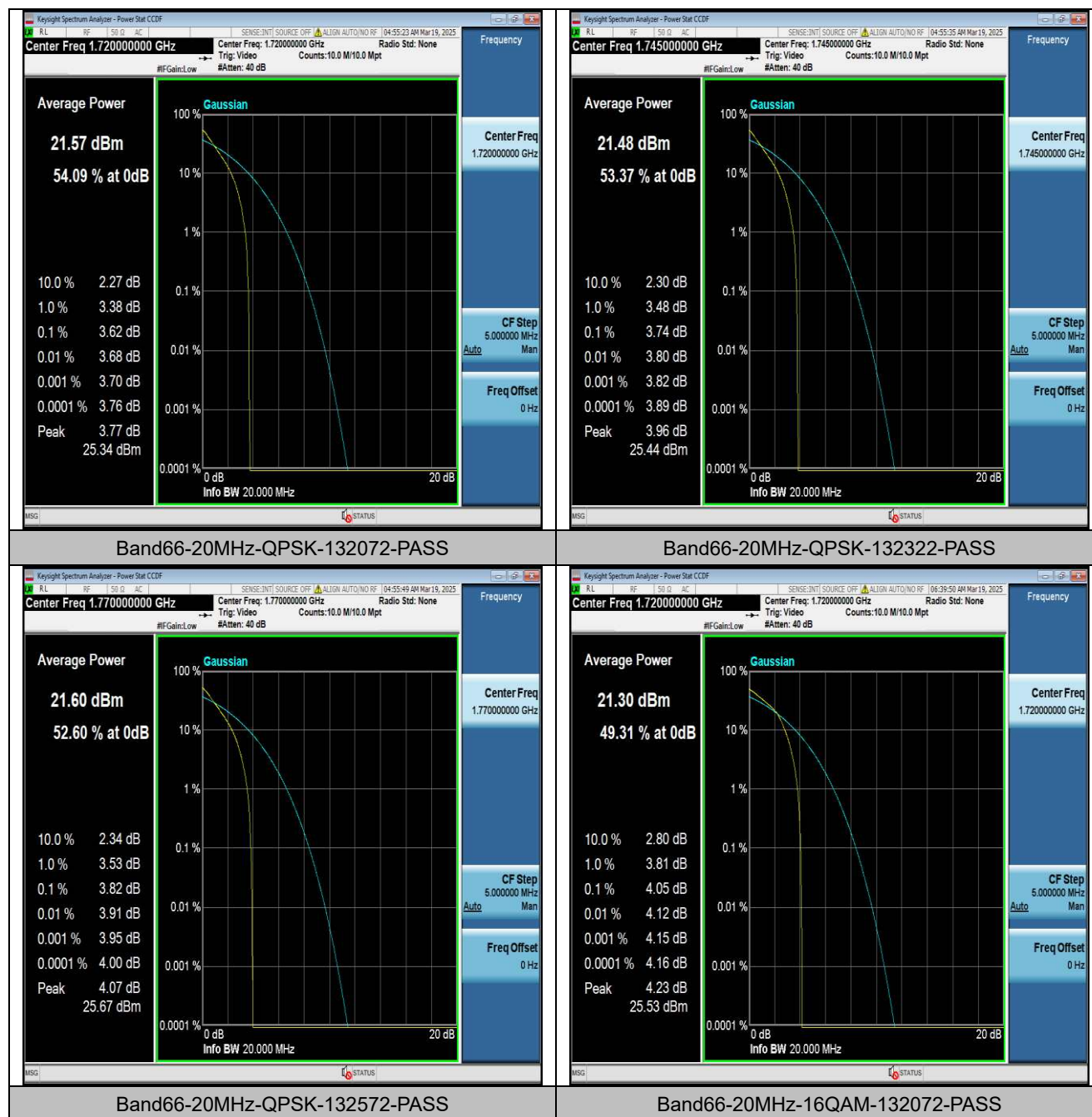


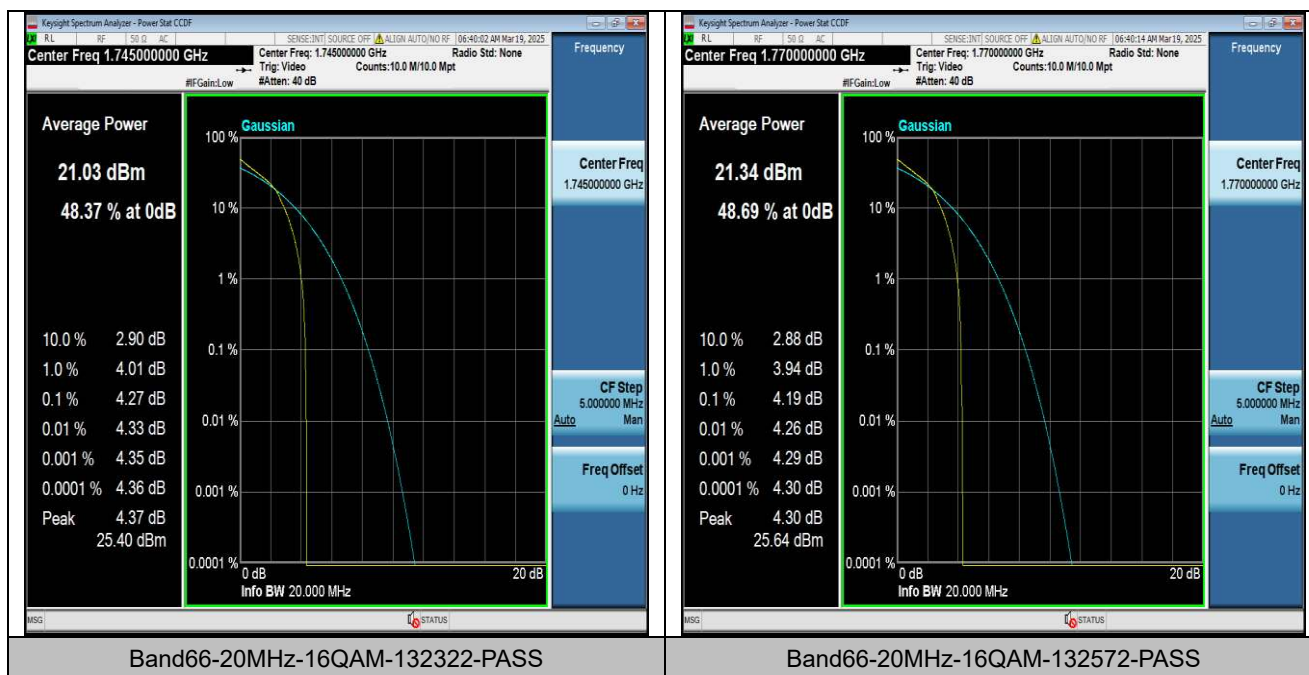
## Peak-to-Average Ratio(CCDF) for M1

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Size | RB Start | NBIndex | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|---------|----------|---------|------------|-----------|---------|
| Band66 | 20MHz     | QPSK       | 132072  | 6       | 0        | Low     | 3.62       | <=13      | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 6       | 0        | Low     | 3.74       | <=13      | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 6       | 0        | High    | 3.82       | <=13      | PASS    |
| Band66 | 20MHz     | 16QAM      | 132072  | 5       | 0        | Low     | 4.05       | <=13      | PASS    |
| Band66 | 20MHz     | 16QAM      | 132322  | 5       | 0        | Low     | 4.27       | <=13      | PASS    |
| Band66 | 20MHz     | 16QAM      | 132572  | 5       | 0        | High    | 4.19       | <=13      | PASS    |

## Test Graphs



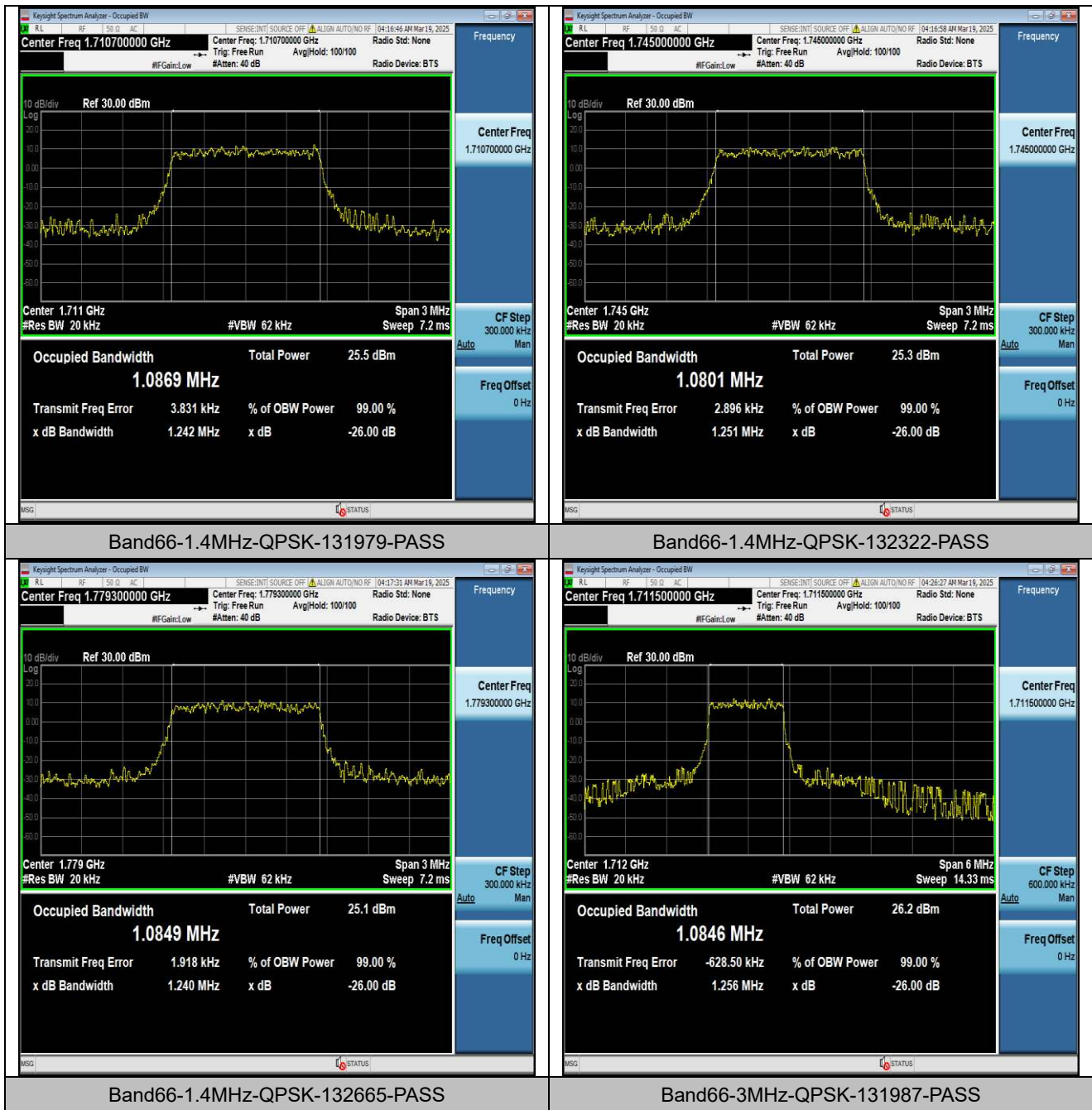


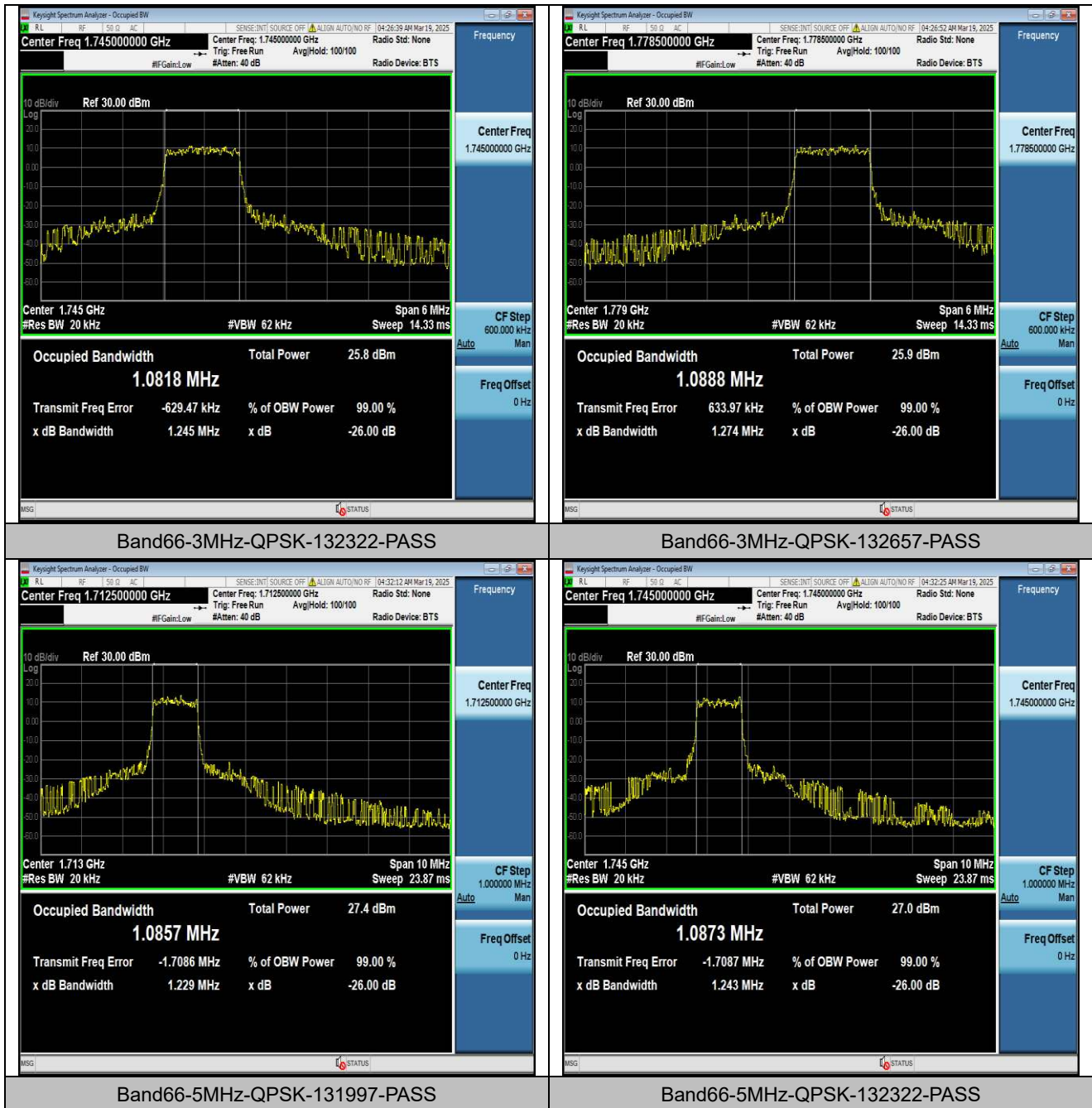
**26dB Bandwidth and Occupied Bandwidth for M1****Test Result**

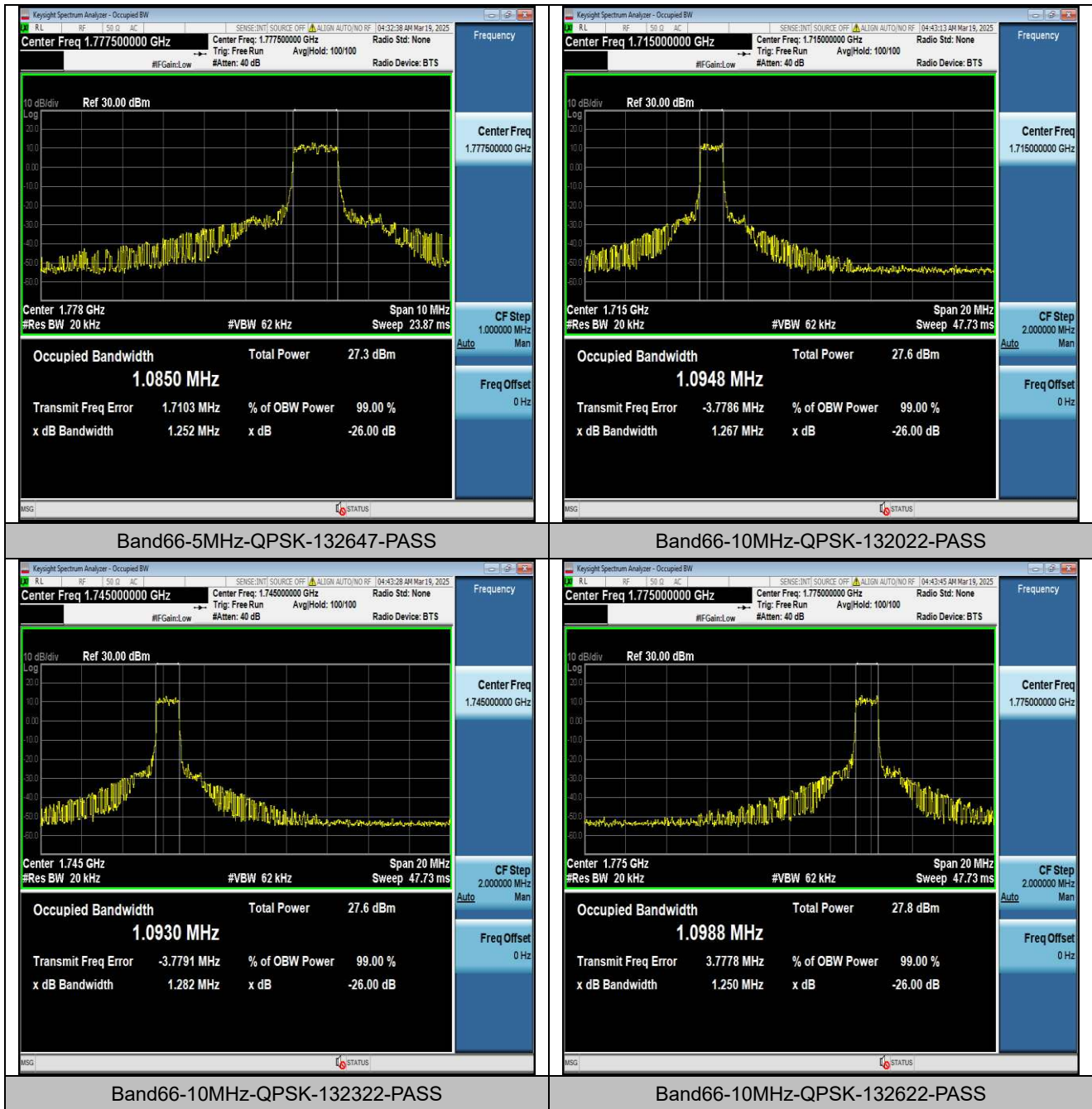
| Band   | Bandwidth | Modulation | Channel | RB Size | RB Start | NB Index | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|---------|----------|----------|--------------------------|----------------------|---------|
| Band66 | 1.4MHz    | QPSK       | 131979  | 6       | 0        | Low      | 1.0869                   | 1.242                | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 6       | 0        | Low      | 1.0801                   | 1.251                | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 6       | 0        | High     | 1.0849                   | 1.240                | PASS    |
| Band66 | 3MHz      | QPSK       | 131987  | 6       | 0        | Low      | 1.0846                   | 1.256                | PASS    |
| Band66 | 3MHz      | QPSK       | 132322  | 6       | 0        | Low      | 1.0818                   | 1.245                | PASS    |
| Band66 | 3MHz      | QPSK       | 132657  | 6       | 0        | High     | 1.0888                   | 1.274                | PASS    |
| Band66 | 5MHz      | QPSK       | 131997  | 6       | 0        | Low      | 1.0857                   | 1.229                | PASS    |
| Band66 | 5MHz      | QPSK       | 132322  | 6       | 0        | Low      | 1.0873                   | 1.243                | PASS    |
| Band66 | 5MHz      | QPSK       | 132647  | 6       | 0        | High     | 1.0850                   | 1.252                | PASS    |
| Band66 | 10MHz     | QPSK       | 132022  | 6       | 0        | Low      | 1.0948                   | 1.267                | PASS    |
| Band66 | 10MHz     | QPSK       | 132322  | 6       | 0        | Low      | 1.0930                   | 1.282                | PASS    |
| Band66 | 10MHz     | QPSK       | 132622  | 6       | 0        | High     | 1.0988                   | 1.250                | PASS    |
| Band66 | 15MHz     | QPSK       | 132047  | 6       | 0        | Low      | 1.1054                   | 1.304                | PASS    |
| Band66 | 15MHz     | QPSK       | 132322  | 6       | 0        | Low      | 1.1025                   | 1.306                | PASS    |
| Band66 | 15MHz     | QPSK       | 132597  | 6       | 0        | High     | 1.1010                   | 1.296                | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 6       | 0        | Low      | 1.1119                   | 1.291                | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | 1.1127                   | 1.299                | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 6       | 0        | High     | 1.1103                   | 1.270                | PASS    |
| Band66 | 1.4MHz    | QPSK       | 131979  | 5       | 0        | Low      | 0.90914                  | 1.077                | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132322  | 5       | 0        | Low      | 0.90730                  | 1.086                | PASS    |
| Band66 | 1.4MHz    | QPSK       | 132665  | 5       | 0        | High     | 0.91138                  | 1.069                | PASS    |
| Band66 | 3MHz      | QPSK       | 131987  | 5       | 0        | Low      | 0.90752                  | 1.076                | PASS    |
| Band66 | 3MHz      | QPSK       | 132322  | 5       | 0        | Low      | 0.90375                  | 1.075                | PASS    |
| Band66 | 3MHz      | QPSK       | 132657  | 5       | 0        | High     | 0.91460                  | 1.059                | PASS    |
| Band66 | 5MHz      | QPSK       | 131997  | 5       | 0        | Low      | 0.90644                  | 1.098                | PASS    |
| Band66 | 5MHz      | QPSK       | 132322  | 5       | 0        | Low      | 0.91224                  | 1.079                | PASS    |
| Band66 | 5MHz      | QPSK       | 132647  | 5       | 0        | High     | 0.91542                  | 1.077                | PASS    |
| Band66 | 10MHz     | QPSK       | 132022  | 5       | 0        | Low      | 0.91663                  | 1.100                | PASS    |
| Band66 | 10MHz     | QPSK       | 132322  | 5       | 0        | Low      | 0.92673                  | 1.108                | PASS    |
| Band66 | 10MHz     | QPSK       | 132622  | 5       | 0        | High     | 0.91564                  | 1.082                | PASS    |
| Band66 | 15MHz     | QPSK       | 132047  | 5       | 0        | Low      | 0.92399                  | 1.123                | PASS    |
| Band66 | 15MHz     | QPSK       | 132322  | 5       | 0        | Low      | 0.92484                  | 1.114                | PASS    |
| Band66 | 15MHz     | QPSK       | 132597  | 5       | 0        | High     | 0.92601                  | 1.085                | PASS    |
| Band66 | 20MHz     | QPSK       | 132072  | 5       | 0        | Low      | 0.93204                  | 1.133                | PASS    |
| Band66 | 20MHz     | QPSK       | 132322  | 5       | 0        | Low      | 0.94824                  | 1.121                | PASS    |
| Band66 | 20MHz     | QPSK       | 132572  | 5       | 0        | High     | 0.94472                  | 1.120                | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 131979  | 5       | 0        | Low      | 0.91045                  | 1.089                | PASS    |
| Band66 | 1.4MHz    | 16QAM      | 132322  | 5       | 0        | Low      | 0.91622                  | 1.100                | PASS    |

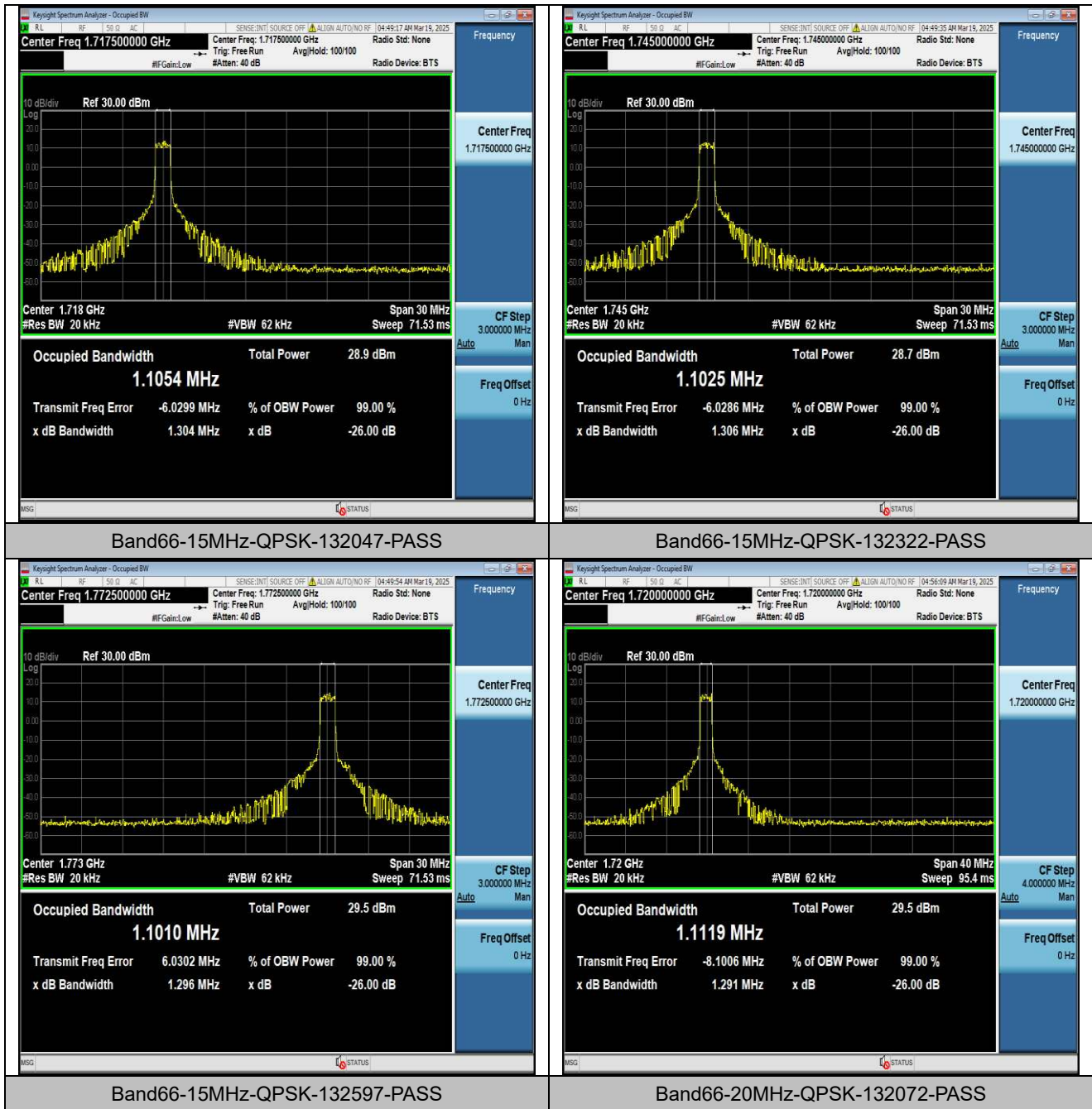
|        |        |       |        |   |   |      |         |       |      |
|--------|--------|-------|--------|---|---|------|---------|-------|------|
| Band66 | 1.4MHz | 16QAM | 132665 | 5 | 0 | High | 0.90565 | 1.089 | PASS |
| Band66 | 3MHz   | 16QAM | 131987 | 5 | 0 | Low  | 0.90666 | 1.087 | PASS |
| Band66 | 3MHz   | 16QAM | 132322 | 5 | 0 | Low  | 0.91726 | 1.112 | PASS |
| Band66 | 3MHz   | 16QAM | 132657 | 5 | 0 | High | 0.91501 | 1.116 | PASS |
| Band66 | 5MHz   | 16QAM | 131997 | 5 | 0 | Low  | 0.91807 | 1.091 | PASS |
| Band66 | 5MHz   | 16QAM | 132322 | 5 | 0 | Low  | 0.91343 | 1.091 | PASS |
| Band66 | 5MHz   | 16QAM | 132647 | 5 | 0 | High | 0.91412 | 1.110 | PASS |
| Band66 | 10MHz  | 16QAM | 132022 | 5 | 0 | Low  | 0.93483 | 1.256 | PASS |
| Band66 | 10MHz  | 16QAM | 132322 | 5 | 0 | Low  | 0.92819 | 1.138 | PASS |
| Band66 | 10MHz  | 16QAM | 132622 | 5 | 0 | High | 0.93513 | 1.137 | PASS |
| Band66 | 15MHz  | 16QAM | 132047 | 5 | 0 | Low  | 0.92605 | 1.182 | PASS |
| Band66 | 15MHz  | 16QAM | 132322 | 5 | 0 | Low  | 0.93133 | 1.134 | PASS |
| Band66 | 15MHz  | 16QAM | 132597 | 5 | 0 | High | 0.92934 | 1.124 | PASS |
| Band66 | 20MHz  | 16QAM | 132072 | 5 | 0 | Low  | 0.95329 | 1.195 | PASS |
| Band66 | 20MHz  | 16QAM | 132322 | 5 | 0 | Low  | 0.94948 | 1.199 | PASS |
| Band66 | 20MHz  | 16QAM | 132572 | 5 | 0 | High | 0.95214 | 1.176 | PASS |

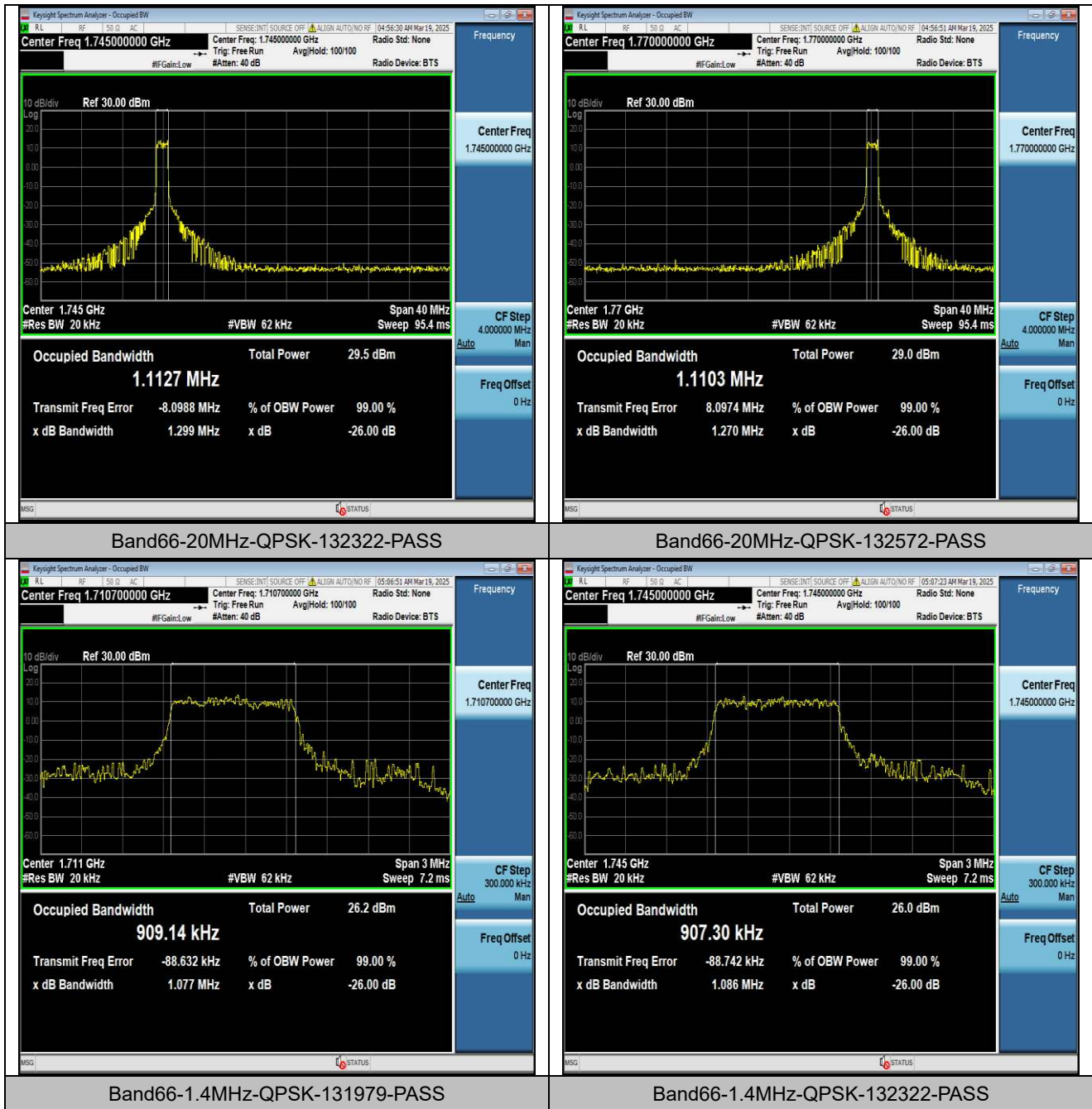
## Test Graphs

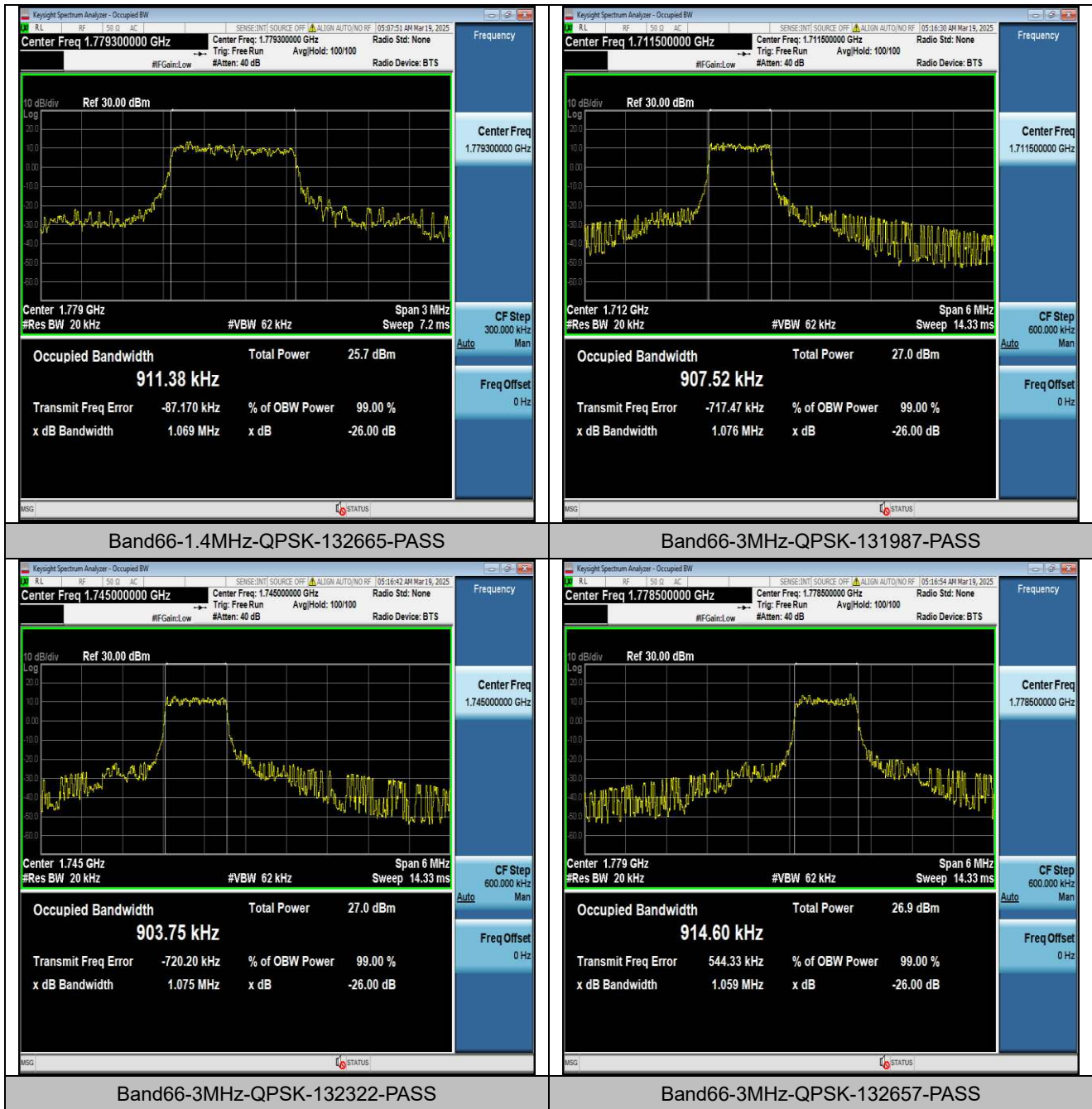


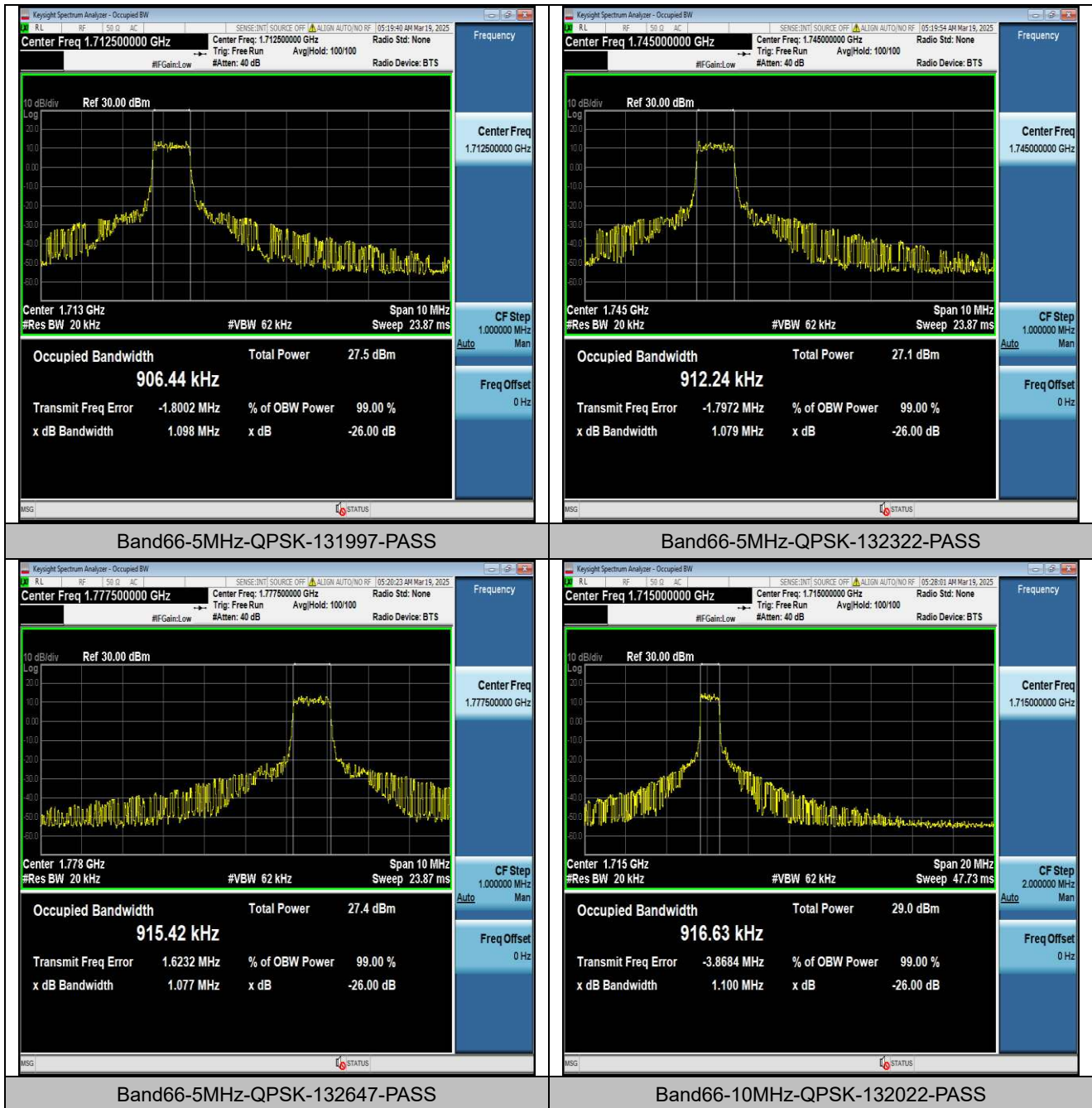


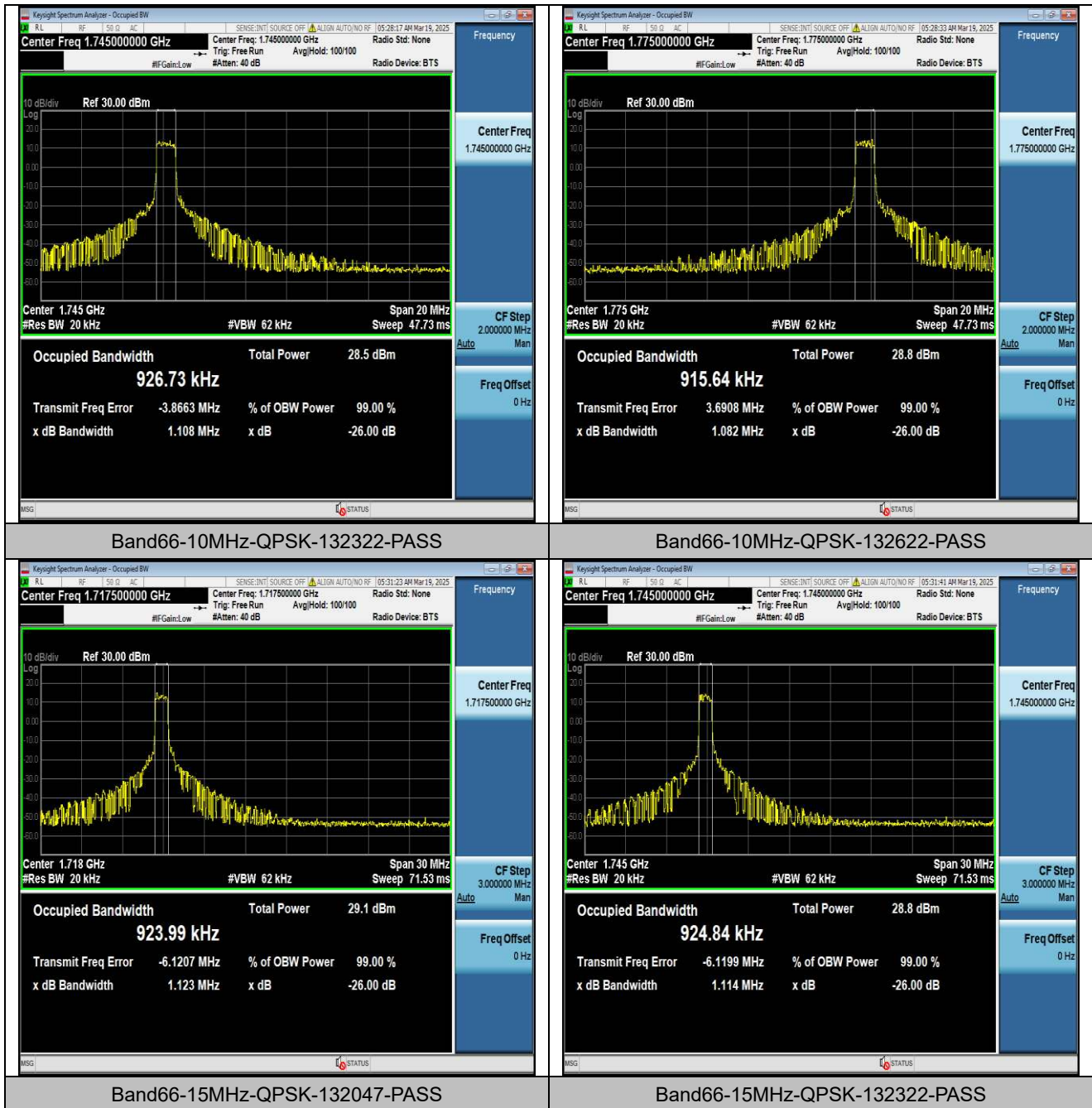


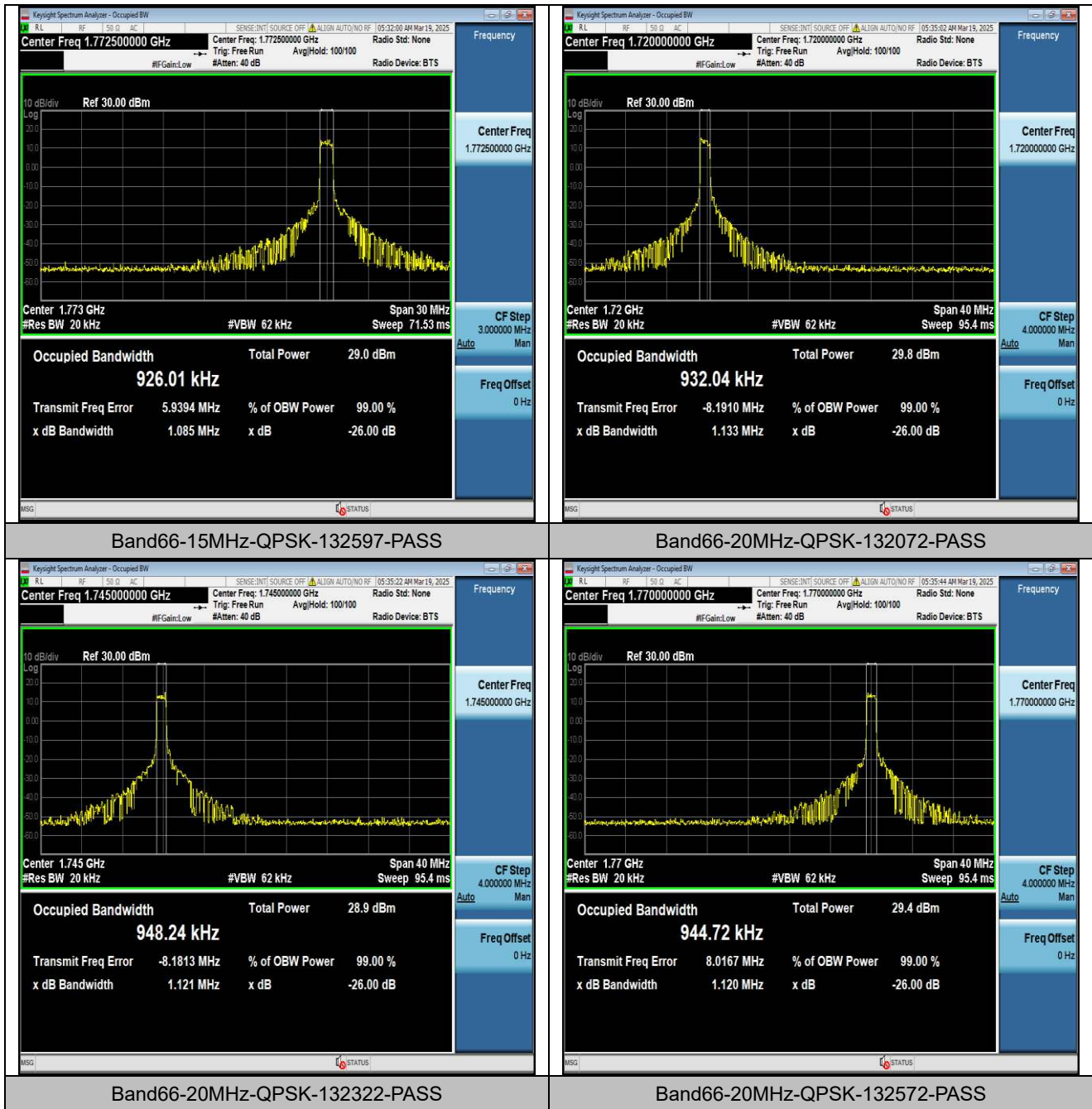


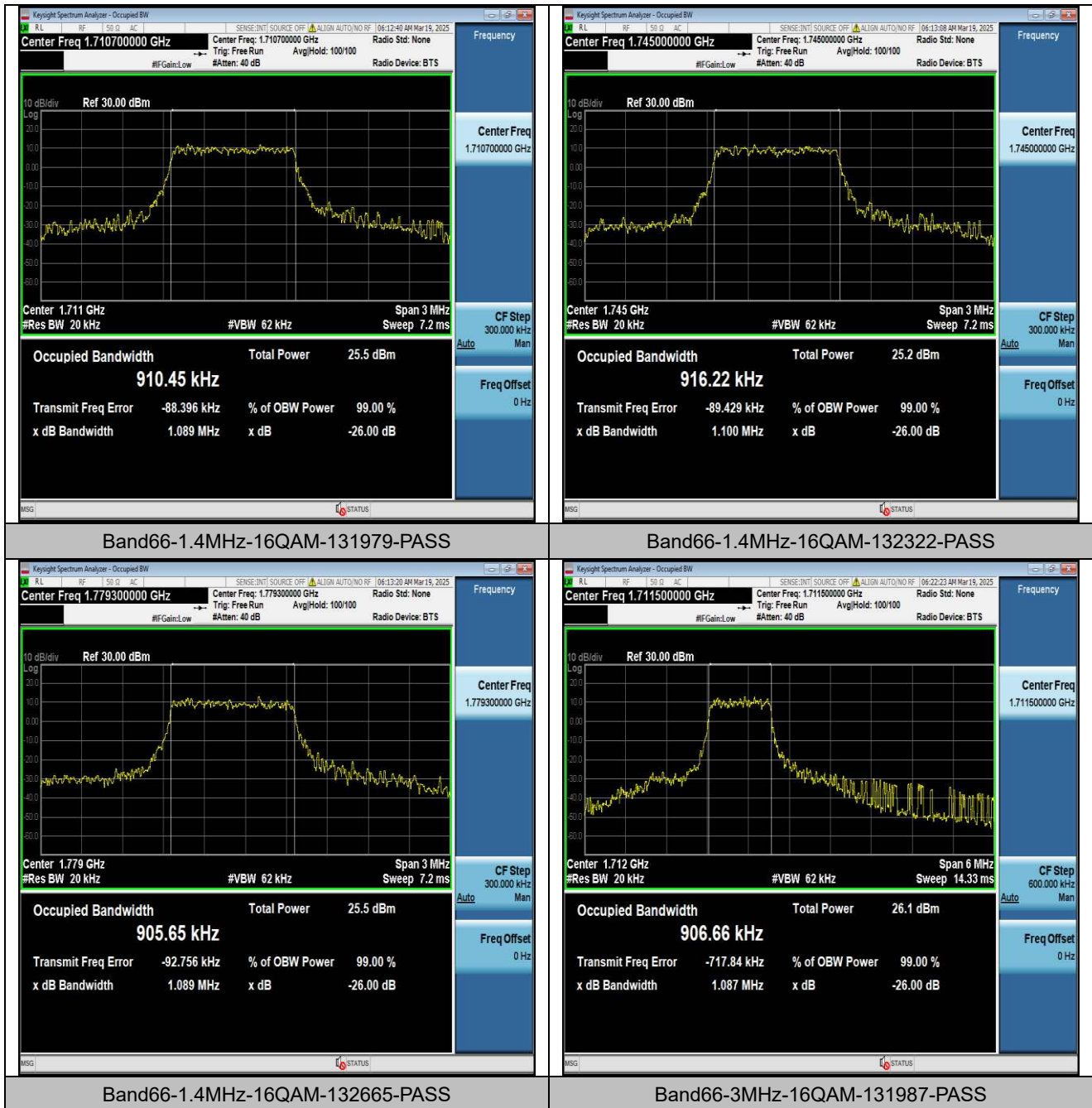


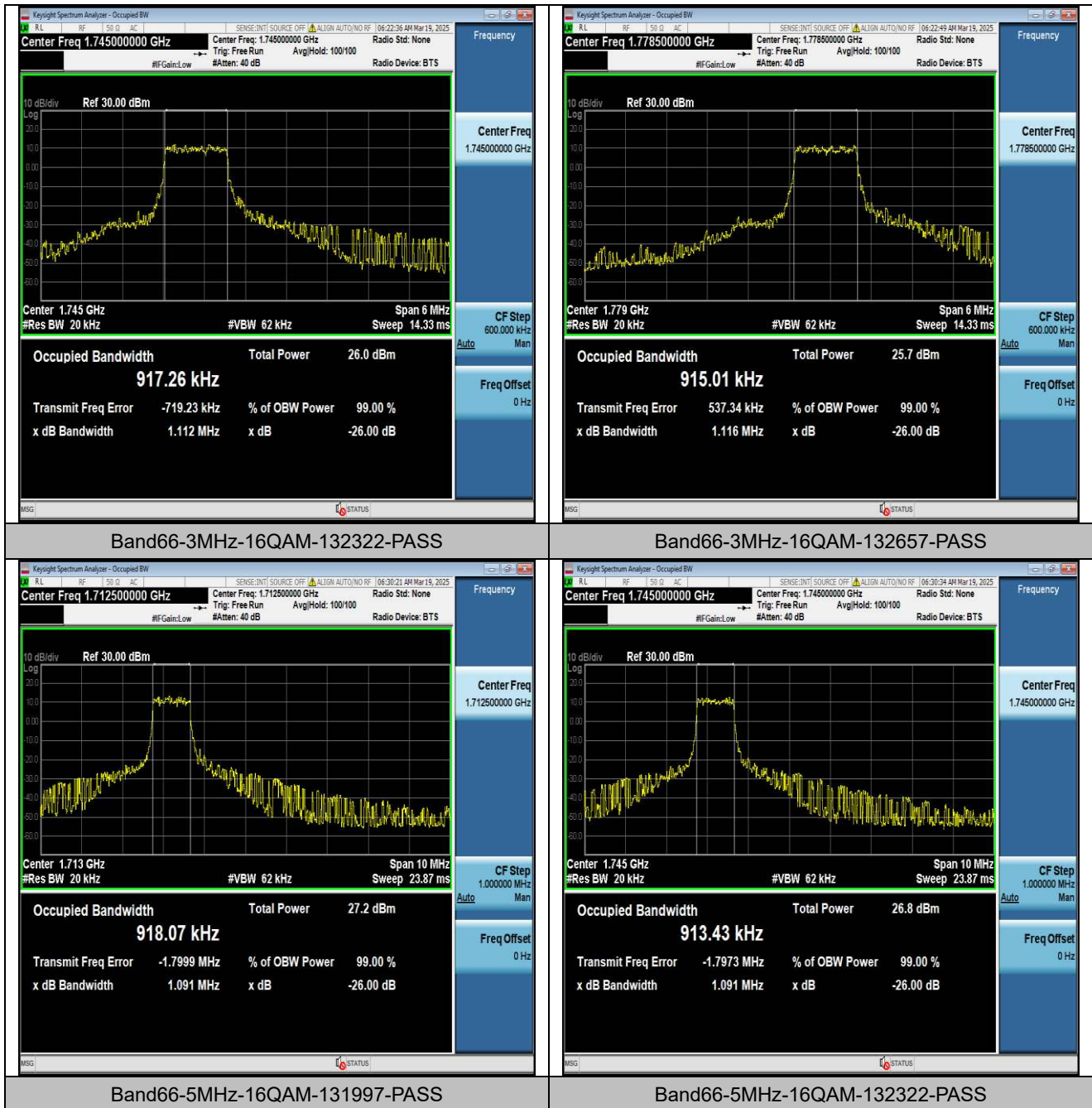


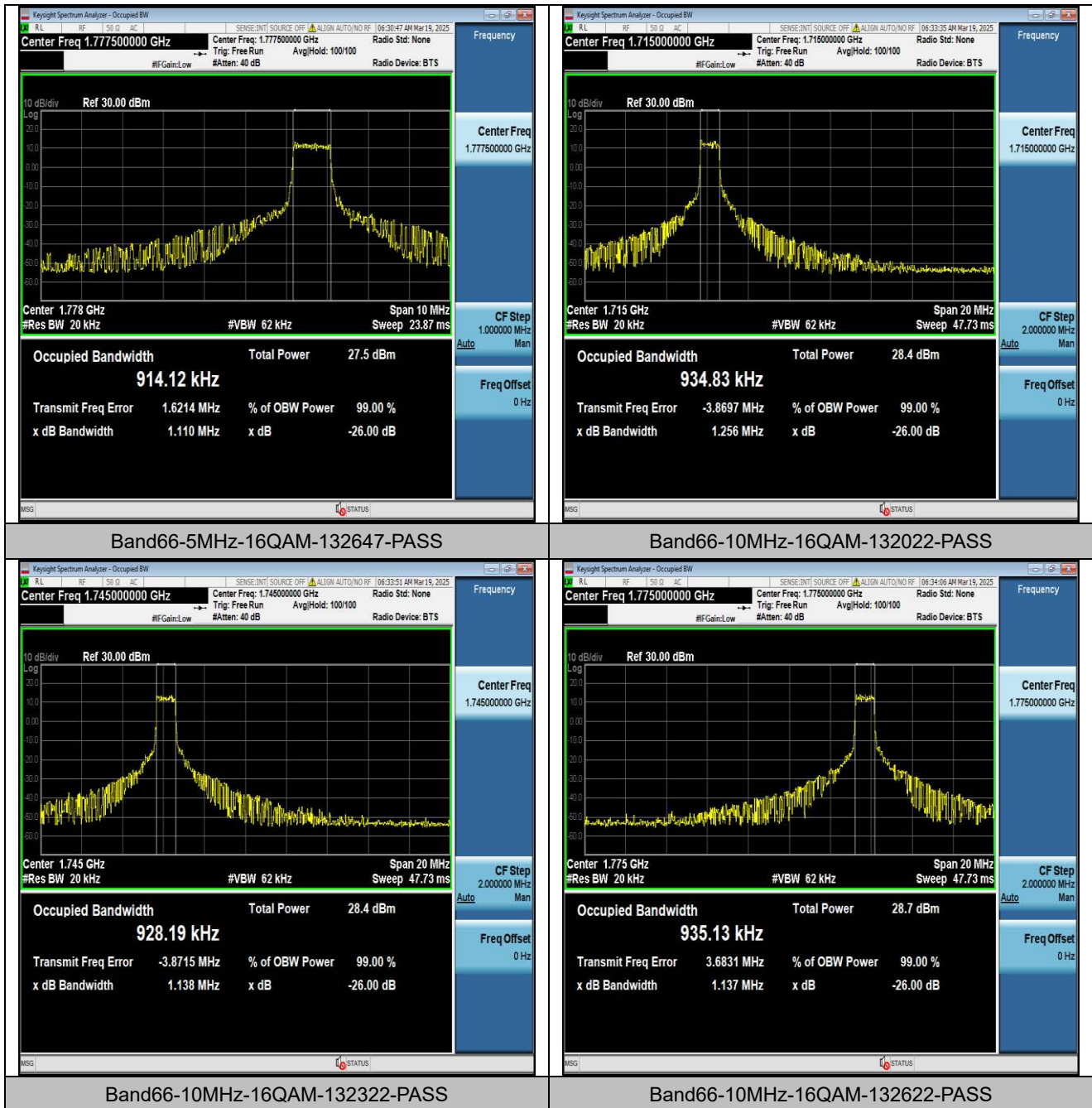


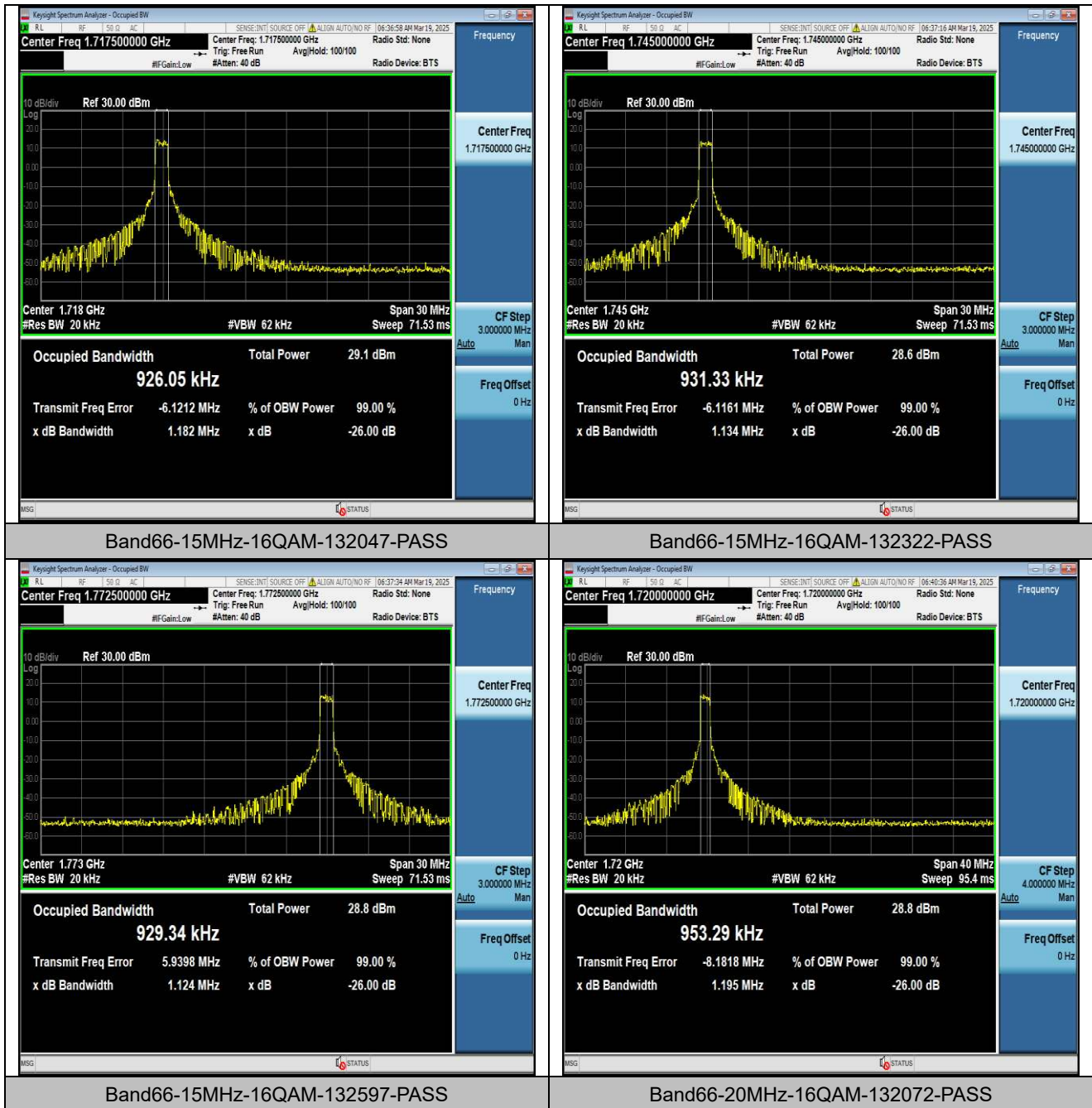


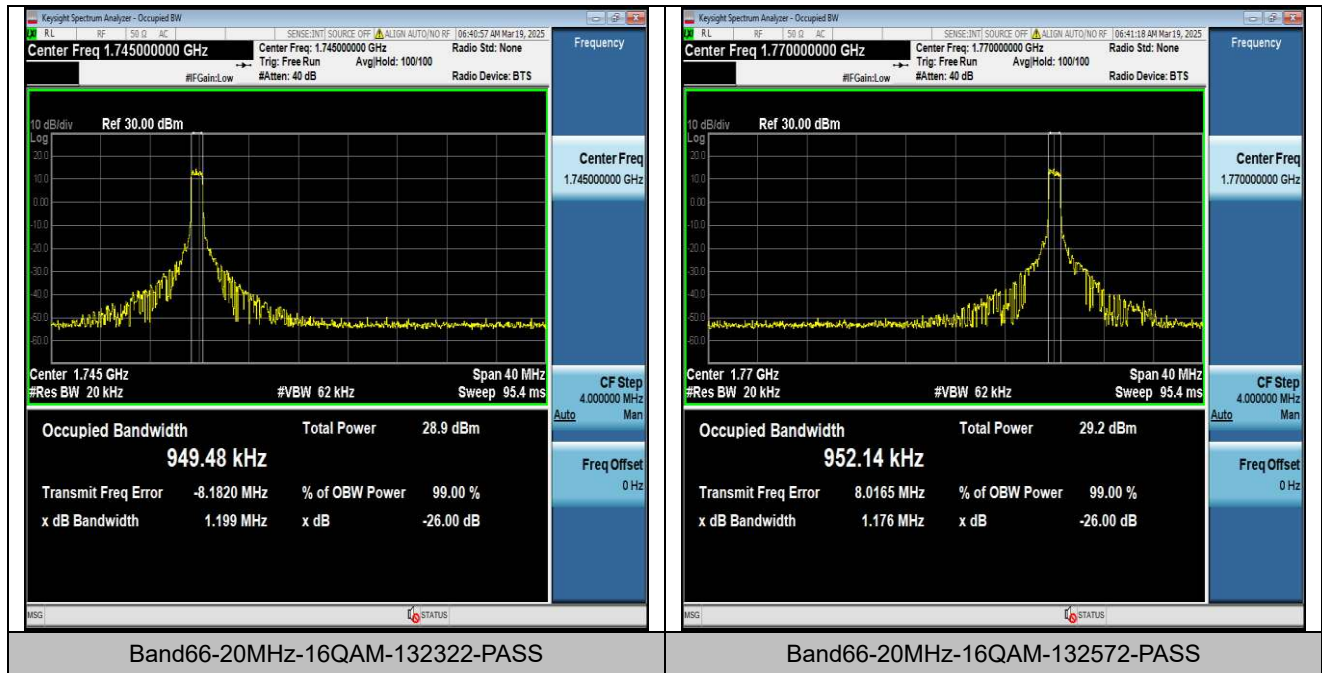






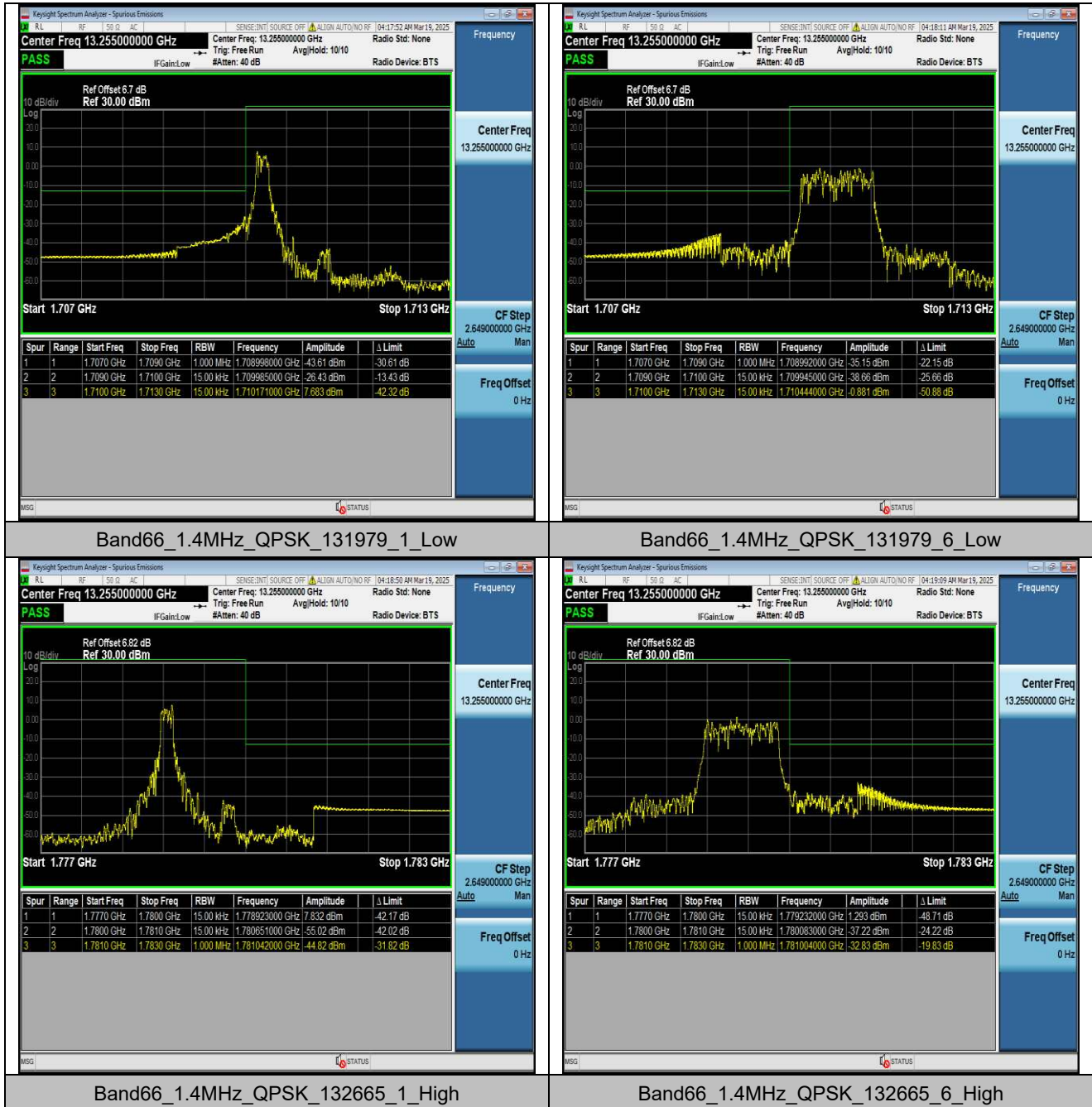


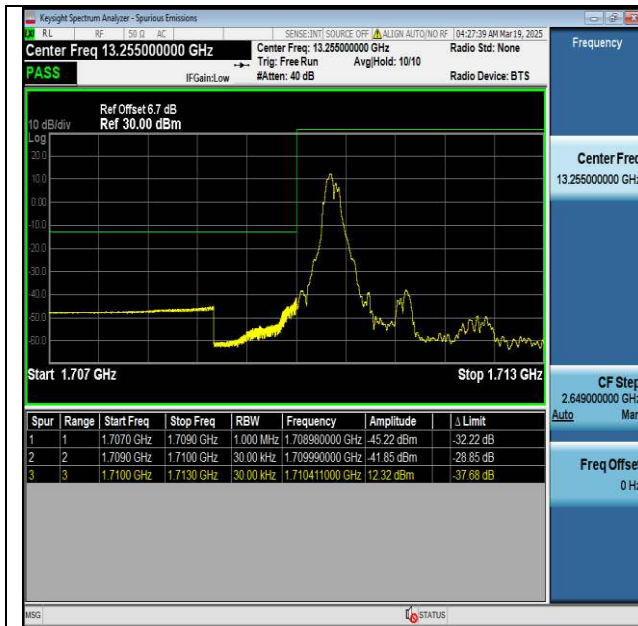




## Band Edge for M1

## Test Graphs



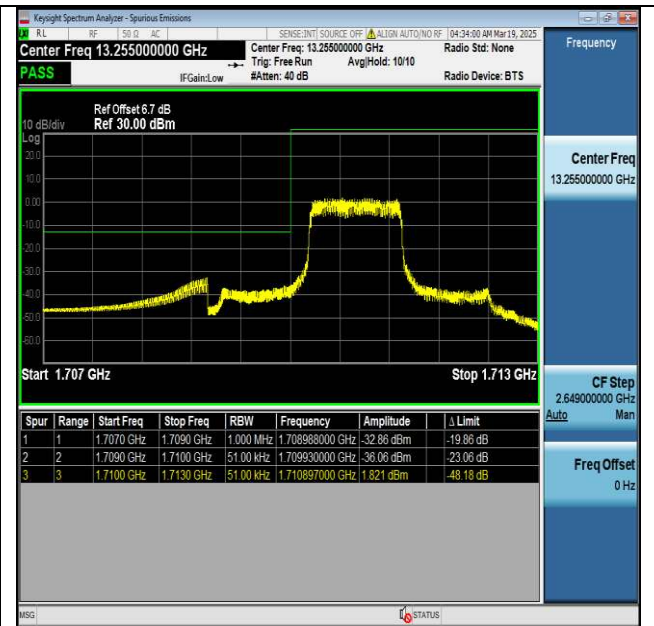
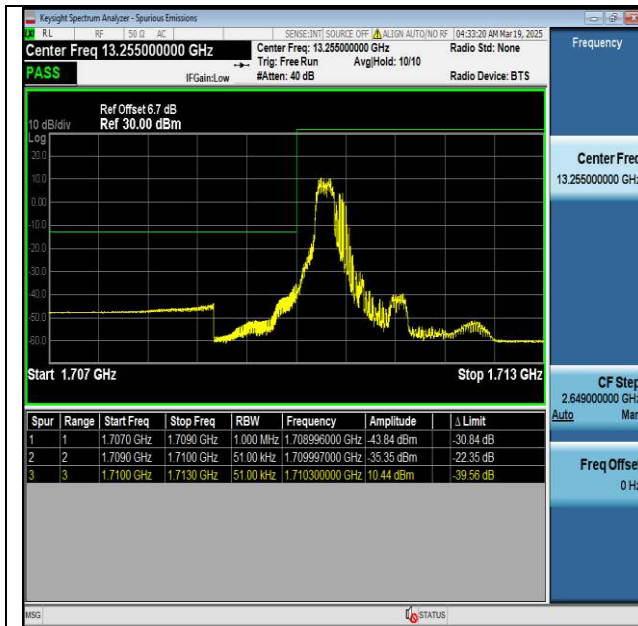


Band66\_3MHz\_QPSK\_131987\_1\_Low

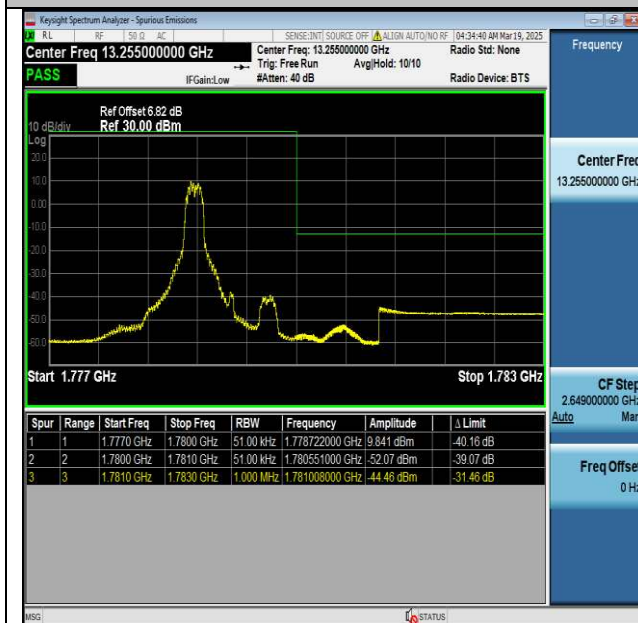


Band66\_3MHz\_QPSK\_132657\_1\_High

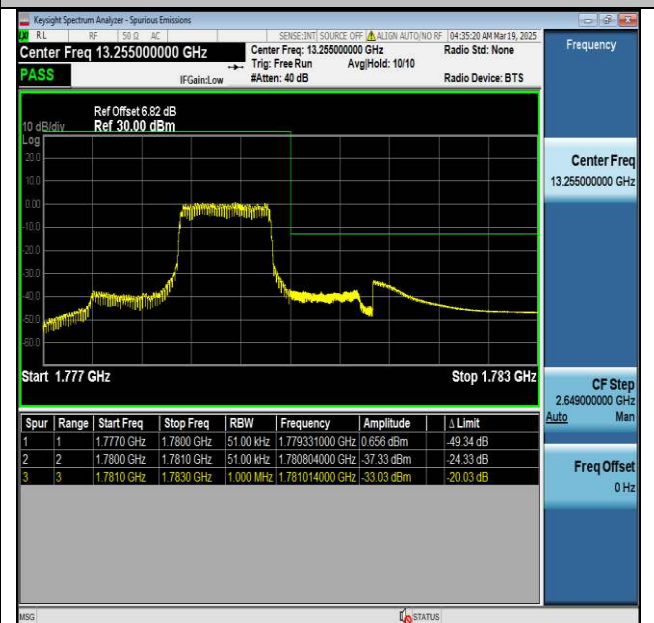
Band66\_3MHz\_QPSK\_132657\_6\_High



Band66\_5MHz\_QPSK\_131997\_1\_Low

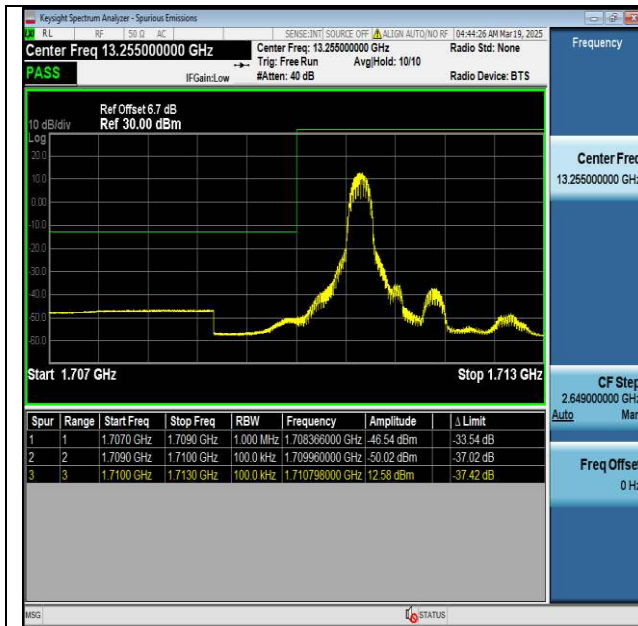


Band66\_5MHz\_QPSK\_131997\_6\_Low

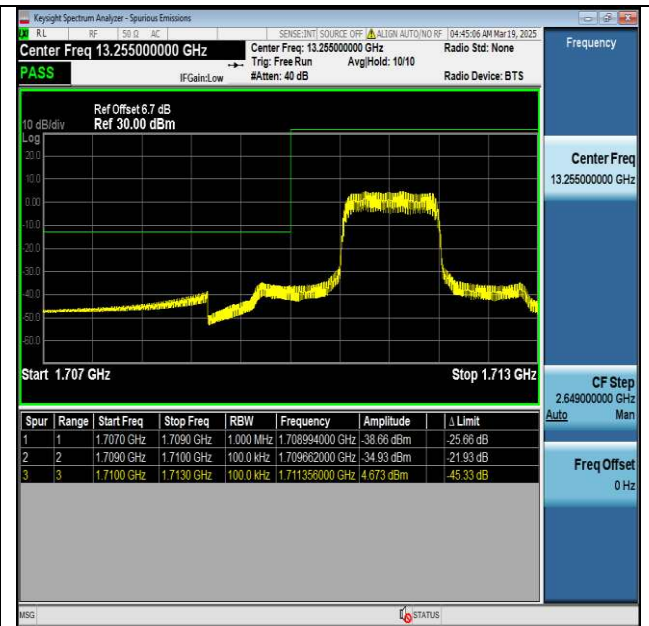


Band66\_5MHz\_QPSK\_132647\_1\_High

Band66\_5MHz\_QPSK\_132647\_6\_High



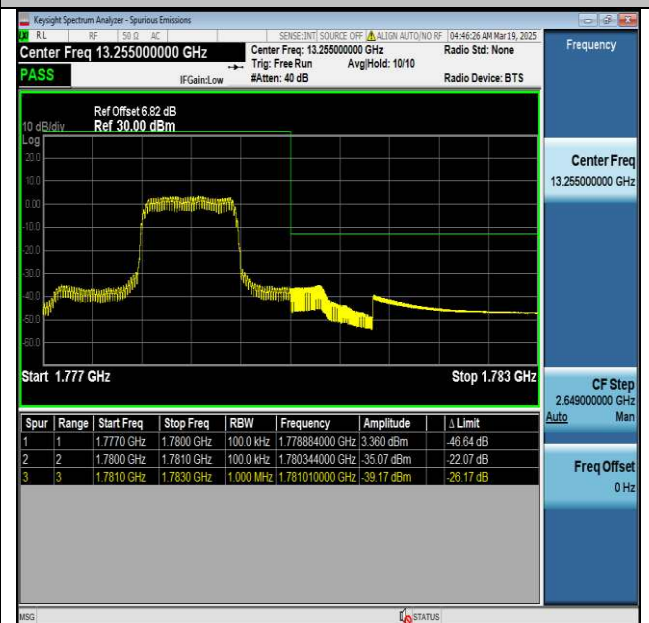
Band66\_10MHz\_QPSK\_132022\_1\_Low



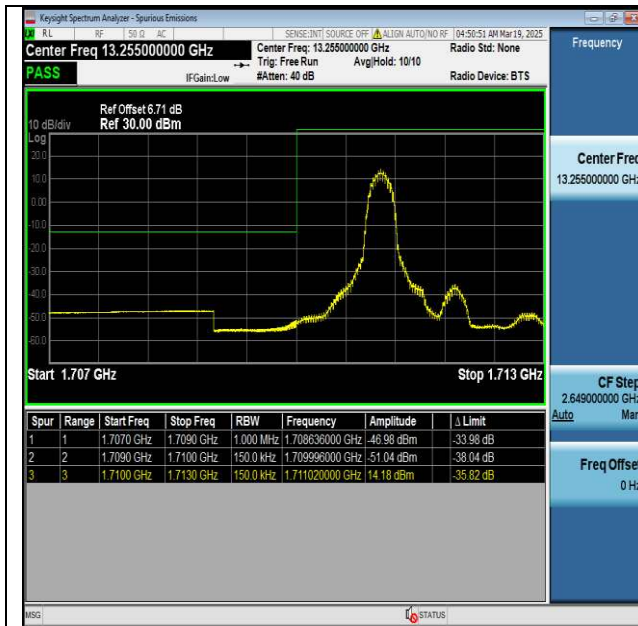
Band66\_10MHz\_QPSK\_132022\_6\_Low



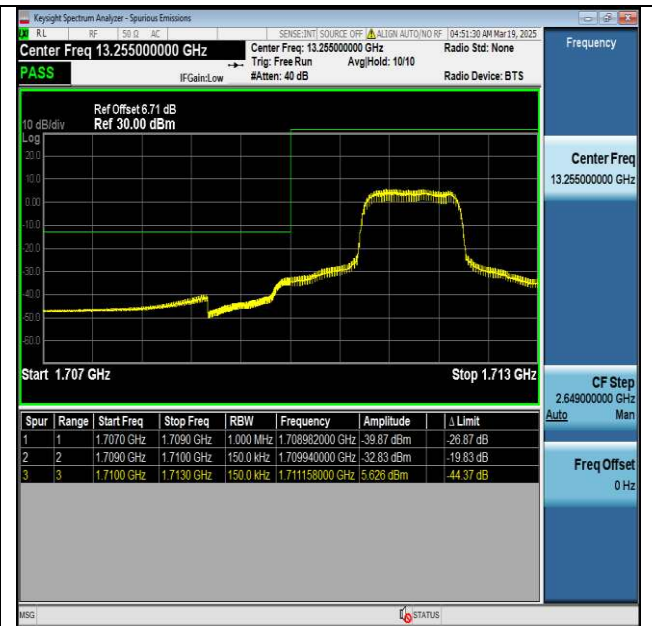
Band66\_10MHz\_QPSK\_132622\_1\_High



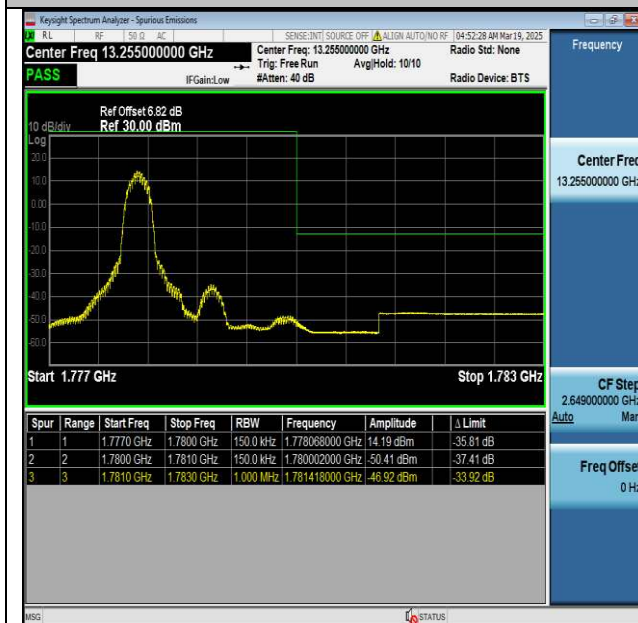
Band66\_10MHz\_QPSK\_132622\_6\_High



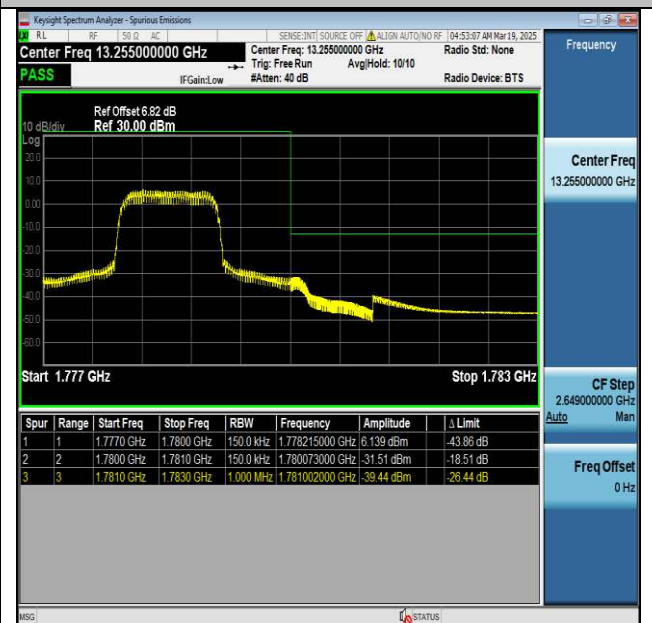
Band66\_15MHz\_QPSK\_132047\_1\_Low



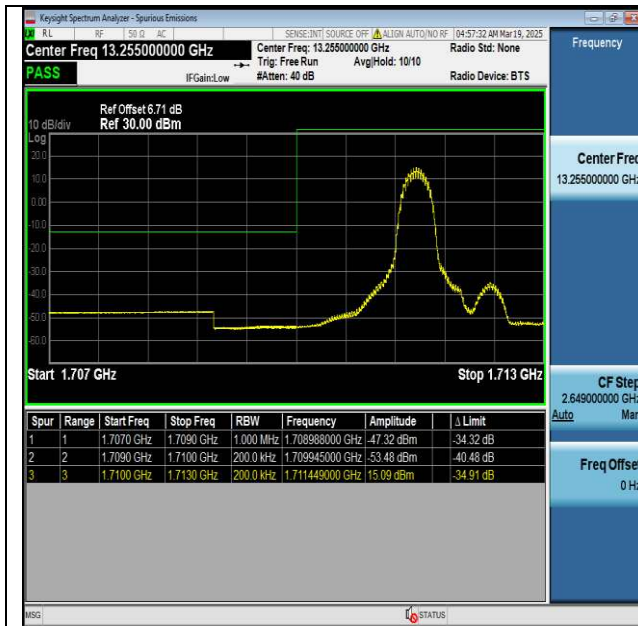
Band66\_15MHz\_QPSK\_132047\_6\_Low



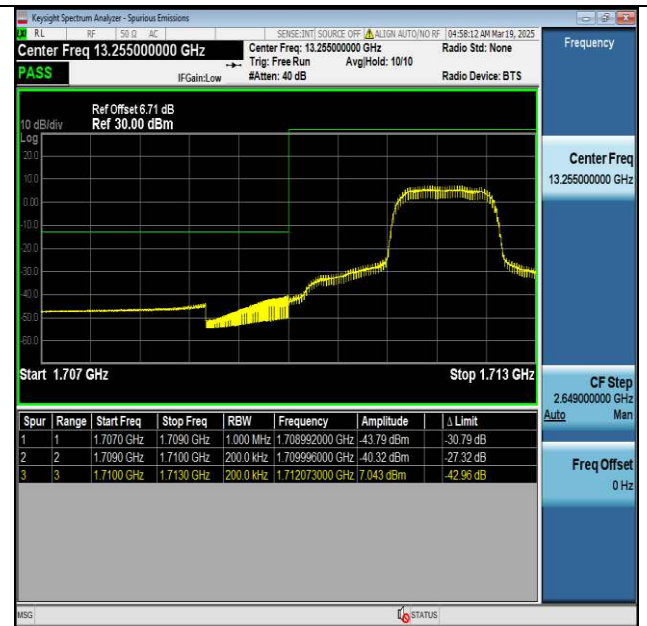
Band66\_15MHz\_QPSK\_132597\_1\_High



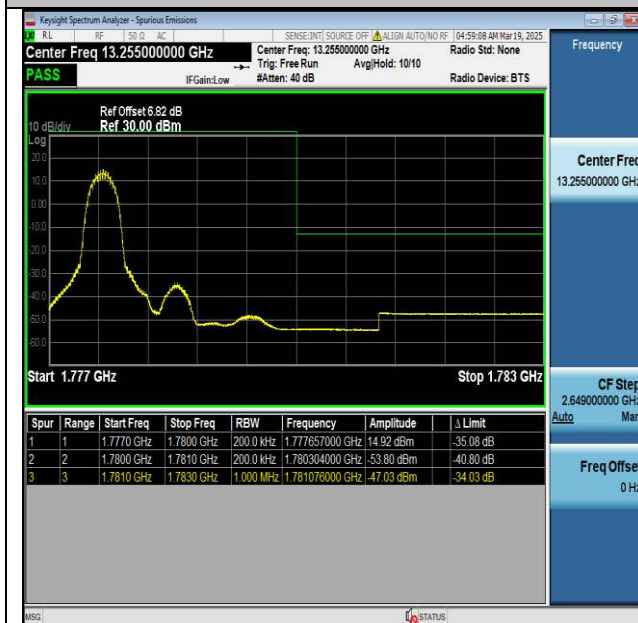
Band66\_15MHz\_QPSK\_132597\_6\_High



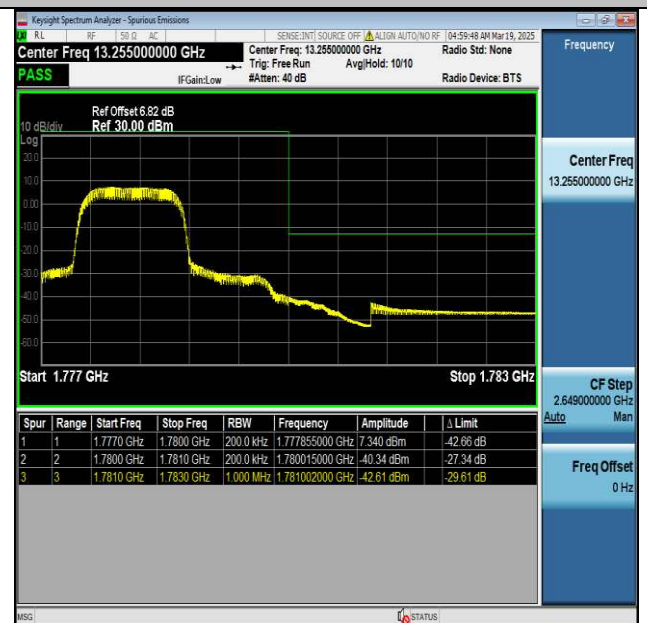
Band66\_20MHz\_QPSK\_132072\_1\_Low



Band66\_20MHz\_QPSK\_132072\_6\_Low



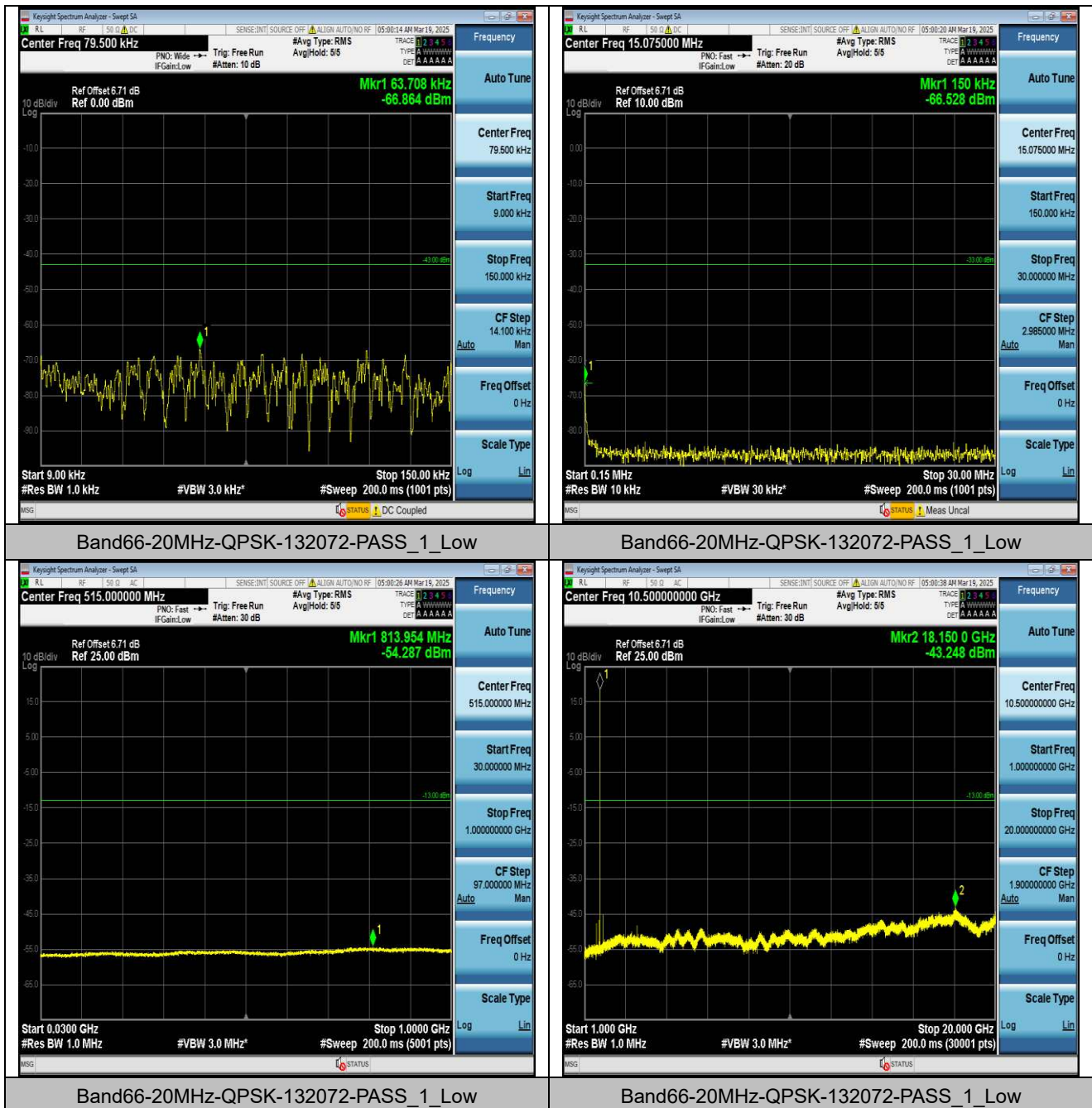
Band66\_20MHz\_QPSK\_132572\_1\_High

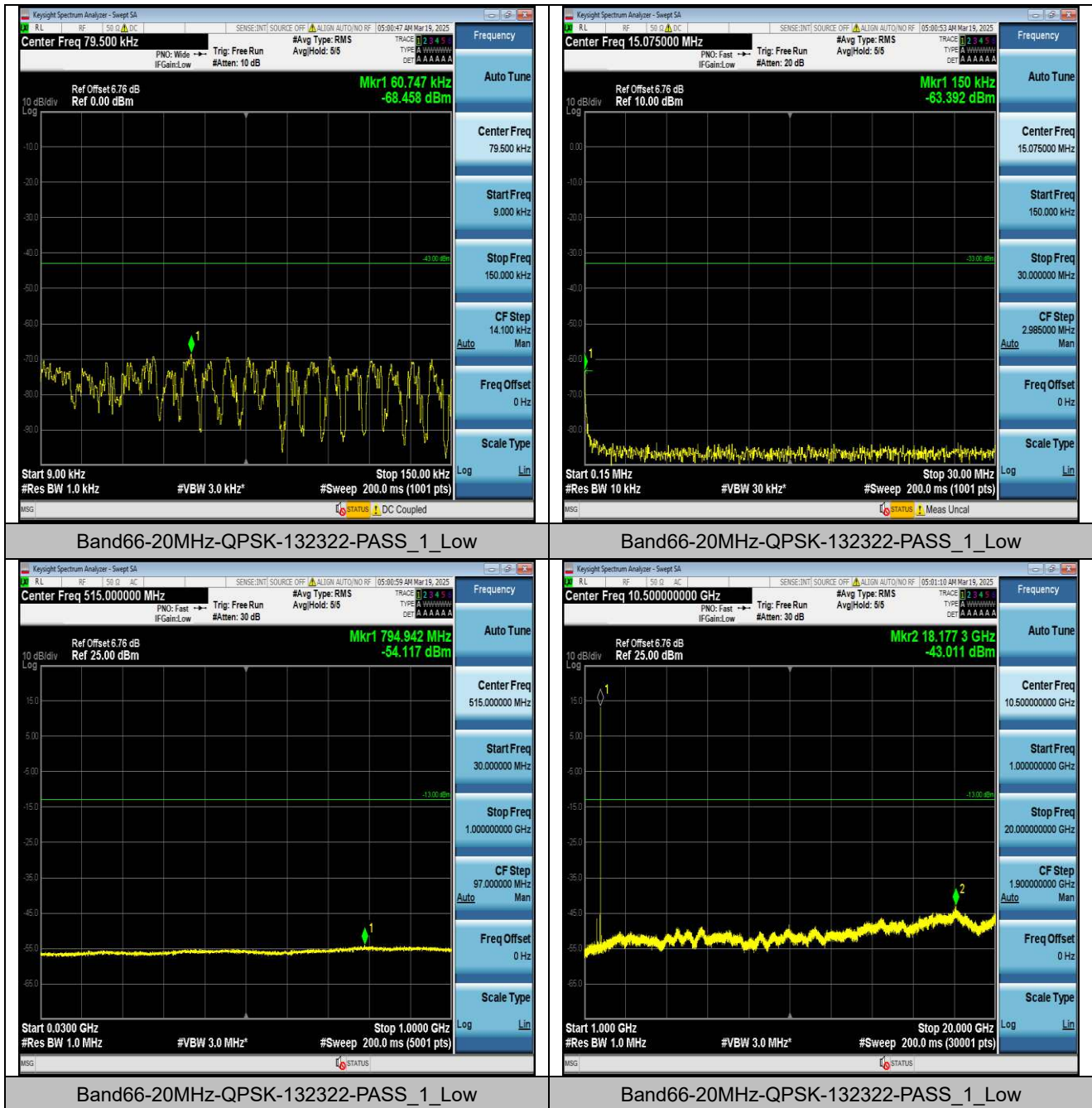


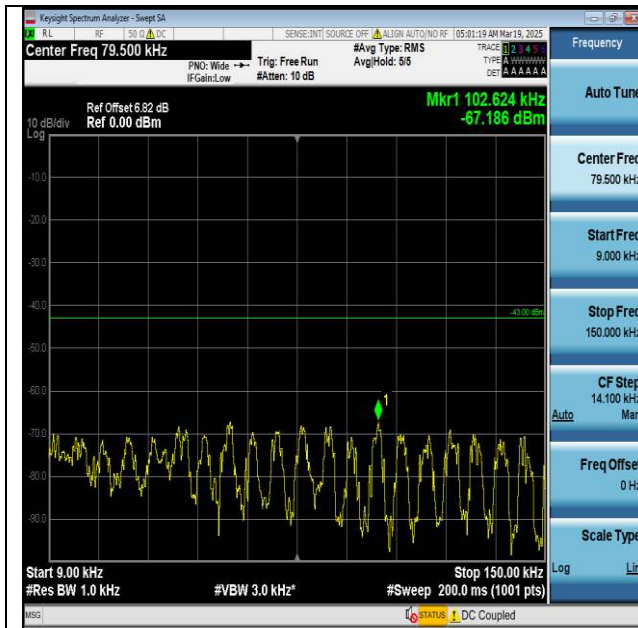
Band66\_20MHz\_QPSK\_132572\_6\_High

## Conducted Spurious Emission for M1

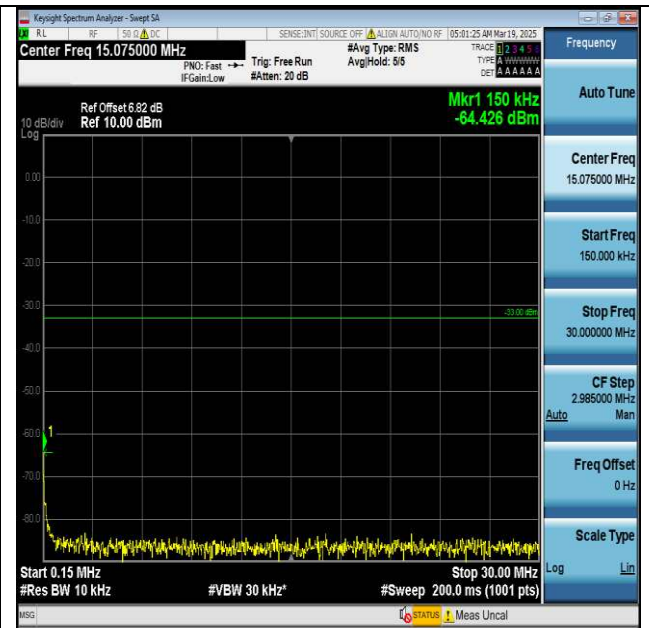
## Test Graphs







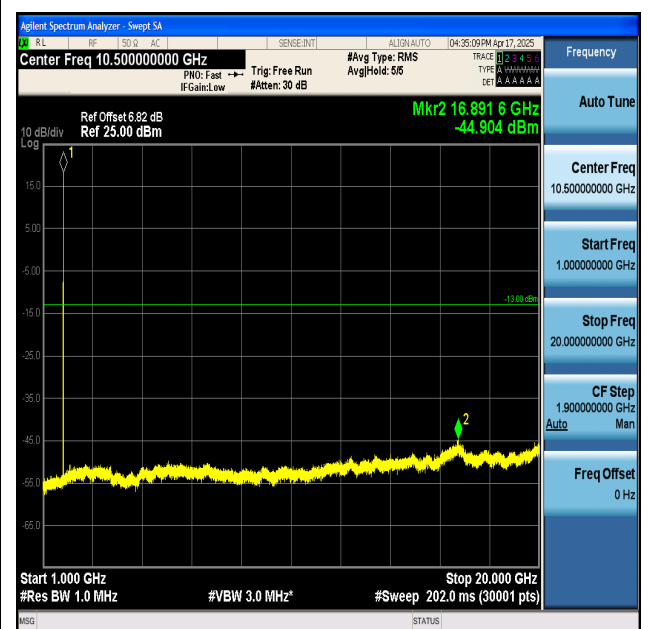
Band66-20MHz-QPSK-132572-PASS\_1\_High



Band66-20MHz-QPSK-132572-PASS\_1\_High



Band66-20MHz-QPSK-132572-PASS\_1\_High



Band66-20MHz-QPSK-132572-PASS\_1\_High

## Frequency Stability for M1

### Test Result

| Voltage |           |            |         |         |          |          |               |                  |                |                 |         |
|---------|-----------|------------|---------|---------|----------|----------|---------------|------------------|----------------|-----------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Size | RB Start | NB Index | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band66  | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | VN            | NT               | -4.50          | -0.002579       | PASS    |
| Band66  | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | VL            | NT               | -1.80          | -0.001032       | PASS    |
| Band66  | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | VH            | NT               | -0.90          | -0.000516       | PASS    |

| Temperature |           |            |         |         |          |          |               |                  |                |                 |         |
|-------------|-----------|------------|---------|---------|----------|----------|---------------|------------------|----------------|-----------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Size | RB Start | NB Index | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band66      | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | NV            | -30              | -2.80          | -0.001605       | PASS    |
| Band66      | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | NV            | -20              | -0.20          | -0.000115       | PASS    |
| Band66      | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | NV            | -10              | -1.90          | -0.001089       | PASS    |
| Band66      | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | NV            | 0                | -3.60          | -0.002063       | PASS    |
| Band66      | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | NV            | 10               | -3.30          | -0.001891       | PASS    |
| Band66      | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | NV            | 20               | 0.20           | 0.000115        | PASS    |
| Band66      | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | NV            | 30               | -3.60          | -0.002063       | PASS    |
| Band66      | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | NV            | 40               | -4.70          | -0.002693       | PASS    |
| Band66      | 20MHz     | QPSK       | 132322  | 6       | 0        | Low      | NV            | 50               | -2.90          | -0.001662       | PASS    |

~The End~