

# Appendix-B LTE Band 4

## Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result (dBm) | EIRP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|--------------|------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 24.11        | 25.13      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#2            | 23.67        | 24.69      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#5            | 23.63        | 24.65      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 23.25        | 24.27      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 24.19        | 25.21      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#2            | 23.62        | 24.64      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#5            | 23.61        | 24.63      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 23.15        | 24.17      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 24.05        | 25.07      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#2            | 23.57        | 24.59      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#5            | 23.59        | 24.61      | 30          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 23.15        | 24.17      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 23.37        | 24.39      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#2            | 23.29        | 24.31      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#5            | 23.2         | 24.22      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 22.2         | 23.22      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 23.42        | 24.44      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#2            | 23.09        | 24.11      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#5            | 23.12        | 24.14      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 22.18        | 23.2       | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 23.53        | 24.55      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#2            | 23.08        | 24.1       | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#5            | 23.03        | 24.05      | 30          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 22.17        | 23.19      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 1RB#0            | 22.4         | 23.42      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 1RB#2            | 22.01        | 23.03      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 1RB#5            | 22.42        | 23.44      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 6RB#0            | 21.2         | 22.22      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20175   | 1RB#0            | 22.47        | 23.49      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20175   | 1RB#2            | 22.32        | 23.34      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20175   | 1RB#5            | 22.18        | 23.2       | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20175   | 6RB#0            | 21.07        | 22.09      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20393   | 1RB#0            | 22.36        | 23.38      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20393   | 1RB#2            | 22.03        | 23.05      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20393   | 1RB#5            | 22.16        | 23.18      | 30          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20393   | 6RB#0            | 21.15        | 22.17      | 30          | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 19957   | 1RB#0            | 19.32        | 20.34      | 30          | PASS    |

|       |        |        |       |        |       |       |    |      |
|-------|--------|--------|-------|--------|-------|-------|----|------|
| Band4 | 1.4MHz | 256QAM | 19957 | 1RB#2  | 19.51 | 20.53 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 19957 | 1RB#5  | 19.31 | 20.33 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 19957 | 6RB#0  | 19.14 | 20.16 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20175 | 1RB#0  | 19.15 | 20.17 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20175 | 1RB#2  | 19.2  | 20.22 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20175 | 1RB#5  | 18.99 | 20.01 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20175 | 6RB#0  | 19.22 | 20.24 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20393 | 1RB#0  | 19.17 | 20.19 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20393 | 1RB#2  | 19.22 | 20.24 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20393 | 1RB#5  | 19.04 | 20.06 | 30 | PASS |
| Band4 | 1.4MHz | 256QAM | 20393 | 6RB#0  | 19.21 | 20.23 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 19965 | 1RB#0  | 24.07 | 25.09 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 19965 | 1RB#8  | 23.67 | 24.69 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 19965 | 1RB#14 | 23.57 | 24.59 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 19965 | 15RB#0 | 23.22 | 24.24 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20175 | 1RB#0  | 23.94 | 24.96 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20175 | 1RB#8  | 23.63 | 24.65 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20175 | 1RB#14 | 23.6  | 24.62 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20175 | 15RB#0 | 23.14 | 24.16 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20385 | 1RB#0  | 23.94 | 24.96 | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20385 | 1RB#8  | 23.68 | 24.7  | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20385 | 1RB#14 | 23.58 | 24.6  | 30 | PASS |
| Band4 | 3MHz   | QPSK   | 20385 | 15RB#0 | 23.16 | 24.18 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 19965 | 1RB#0  | 23.45 | 24.47 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 19965 | 1RB#8  | 23.13 | 24.15 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 19965 | 1RB#14 | 23.31 | 24.33 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 19965 | 15RB#0 | 22.25 | 23.27 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 20175 | 1RB#0  | 23.48 | 24.5  | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 20175 | 1RB#8  | 23.15 | 24.17 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 20175 | 1RB#14 | 23.18 | 24.2  | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 20175 | 15RB#0 | 22.1  | 23.12 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 20385 | 1RB#0  | 23.2  | 24.22 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 20385 | 1RB#8  | 23.23 | 24.25 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 20385 | 1RB#14 | 23.17 | 24.19 | 30 | PASS |
| Band4 | 3MHz   | 16QAM  | 20385 | 15RB#0 | 22.19 | 23.21 | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 19965 | 1RB#0  | 22.28 | 23.3  | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 19965 | 1RB#8  | 22.43 | 23.45 | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 19965 | 1RB#14 | 22.43 | 23.45 | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 19965 | 15RB#0 | 21.28 | 22.3  | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 20175 | 1RB#0  | 22.15 | 23.17 | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 20175 | 1RB#8  | 22.42 | 23.44 | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 20175 | 1RB#14 | 22.13 | 23.15 | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 20175 | 15RB#0 | 21.08 | 22.1  | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 20385 | 1RB#0  | 22.07 | 23.09 | 30 | PASS |
| Band4 | 3MHz   | 64QAM  | 20385 | 1RB#8  | 22.17 | 23.19 | 30 | PASS |

|       |      |        |       |        |       |       |    |      |
|-------|------|--------|-------|--------|-------|-------|----|------|
| Band4 | 3MHz | 64QAM  | 20385 | 1RB#14 | 22.3  | 23.32 | 30 | PASS |
| Band4 | 3MHz | 64QAM  | 20385 | 15RB#0 | 21.11 | 22.13 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 19965 | 1RB#0  | 19.37 | 20.39 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 19965 | 1RB#8  | 19.25 | 20.27 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 19965 | 1RB#14 | 19.29 | 20.31 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 19965 | 15RB#0 | 19.25 | 20.27 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20175 | 1RB#0  | 19.41 | 20.43 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20175 | 1RB#8  | 19.45 | 20.47 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20175 | 1RB#14 | 19.19 | 20.21 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20175 | 15RB#0 | 19.15 | 20.17 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20385 | 1RB#0  | 19.28 | 20.3  | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20385 | 1RB#8  | 19.33 | 20.35 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20385 | 1RB#14 | 19.01 | 20.03 | 30 | PASS |
| Band4 | 3MHz | 256QAM | 20385 | 15RB#0 | 19.25 | 20.27 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 19975 | 1RB#0  | 24.01 | 25.03 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 19975 | 1RB#12 | 23.61 | 24.63 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 19975 | 1RB#24 | 23.55 | 24.57 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 19975 | 25RB#0 | 23.28 | 24.3  | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20175 | 1RB#0  | 24.07 | 25.09 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20175 | 1RB#12 | 23.64 | 24.66 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20175 | 1RB#24 | 23.63 | 24.65 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20175 | 25RB#0 | 23.17 | 24.19 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20375 | 1RB#0  | 23.96 | 24.98 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20375 | 1RB#12 | 23.61 | 24.63 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20375 | 1RB#24 | 23.53 | 24.55 | 30 | PASS |
| Band4 | 5MHz | QPSK   | 20375 | 25RB#0 | 23.17 | 24.19 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 19975 | 1RB#0  | 23.39 | 24.41 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 19975 | 1RB#12 | 23.15 | 24.17 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 19975 | 1RB#24 | 23.37 | 24.39 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 19975 | 25RB#0 | 22.2  | 23.22 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20175 | 1RB#0  | 23.38 | 24.4  | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20175 | 1RB#12 | 23.43 | 24.45 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20175 | 1RB#24 | 23.12 | 24.14 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20175 | 25RB#0 | 22.17 | 23.19 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20375 | 1RB#0  | 23.42 | 24.44 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20375 | 1RB#12 | 23.1  | 24.12 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20375 | 1RB#24 | 23.23 | 24.25 | 30 | PASS |
| Band4 | 5MHz | 16QAM  | 20375 | 25RB#0 | 22.2  | 23.22 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 19975 | 1RB#0  | 22.36 | 23.38 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 19975 | 1RB#12 | 22.45 | 23.47 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 19975 | 1RB#24 | 22.26 | 23.28 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 19975 | 25RB#0 | 21.19 | 22.21 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 20175 | 1RB#0  | 22.09 | 23.11 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 20175 | 1RB#12 | 22.53 | 23.55 | 30 | PASS |
| Band4 | 5MHz | 64QAM  | 20175 | 1RB#24 | 22.25 | 23.27 | 30 | PASS |

|       |       |        |       |        |       |       |    |      |
|-------|-------|--------|-------|--------|-------|-------|----|------|
| Band4 | 5MHz  | 64QAM  | 20175 | 25RB#0 | 21.04 | 22.06 | 30 | PASS |
| Band4 | 5MHz  | 64QAM  | 20375 | 1RB#0  | 22.41 | 23.43 | 30 | PASS |
| Band4 | 5MHz  | 64QAM  | 20375 | 1RB#12 | 22.1  | 23.12 | 30 | PASS |
| Band4 | 5MHz  | 64QAM  | 20375 | 1RB#24 | 22.09 | 23.11 | 30 | PASS |
| Band4 | 5MHz  | 64QAM  | 20375 | 25RB#0 | 21.12 | 22.14 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 19975 | 1RB#0  | 19.4  | 20.42 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 19975 | 1RB#12 | 19.6  | 20.62 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 19975 | 1RB#24 | 19.31 | 20.33 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 19975 | 25RB#0 | 19.3  | 20.32 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20175 | 1RB#0  | 19.13 | 20.15 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20175 | 1RB#12 | 19.33 | 20.35 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20175 | 1RB#24 | 19.29 | 20.31 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20175 | 25RB#0 | 19.16 | 20.18 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20375 | 1RB#0  | 19.16 | 20.18 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20375 | 1RB#12 | 19.25 | 20.27 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20375 | 1RB#24 | 19.12 | 20.14 | 30 | PASS |
| Band4 | 5MHz  | 256QAM | 20375 | 25RB#0 | 19.18 | 20.2  | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20000 | 1RB#0  | 24.1  | 25.12 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20000 | 1RB#24 | 23.68 | 24.7  | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20000 | 1RB#49 | 23.66 | 24.68 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20000 | 50RB#0 | 23.24 | 24.26 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20175 | 1RB#0  | 23.98 | 25    | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20175 | 1RB#24 | 23.69 | 24.71 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20175 | 1RB#49 | 23.64 | 24.66 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20175 | 50RB#0 | 23.11 | 24.13 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20350 | 1RB#0  | 24.03 | 25.05 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20350 | 1RB#24 | 23.66 | 24.68 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20350 | 1RB#49 | 23.66 | 24.68 | 30 | PASS |
| Band4 | 10MHz | QPSK   | 20350 | 50RB#0 | 23.22 | 24.24 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 1RB#0  | 23.36 | 24.38 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 1RB#24 | 23.17 | 24.19 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 1RB#49 | 23.13 | 24.15 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 50RB#0 | 22.23 | 23.25 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 1RB#0  | 23.22 | 24.24 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 1RB#24 | 23.3  | 24.32 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 1RB#49 | 23.36 | 24.38 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 50RB#0 | 22.19 | 23.21 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 1RB#0  | 23.24 | 24.26 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 1RB#24 | 23.1  | 24.12 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 1RB#49 | 23.13 | 24.15 | 30 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 50RB#0 | 22.14 | 23.16 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 1RB#0  | 22.43 | 23.45 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 1RB#24 | 22.31 | 23.33 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 1RB#49 | 22.55 | 23.57 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 50RB#0 | 21.17 | 22.19 | 30 | PASS |

|       |       |        |       |        |       |       |    |      |
|-------|-------|--------|-------|--------|-------|-------|----|------|
| Band4 | 10MHz | 64QAM  | 20175 | 1RB#0  | 22.14 | 23.16 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 1RB#24 | 22.49 | 23.51 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 1RB#49 | 22.19 | 23.21 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 50RB#0 | 21.12 | 22.14 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 1RB#0  | 22.14 | 23.16 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 1RB#24 | 22.38 | 23.4  | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 1RB#49 | 22.09 | 23.11 | 30 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 50RB#0 | 21.07 | 22.09 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 1RB#0  | 19.41 | 20.43 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 1RB#24 | 19.39 | 20.41 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 1RB#49 | 19.17 | 20.19 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 50RB#0 | 19.23 | 20.25 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 1RB#0  | 19.38 | 20.4  | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 1RB#24 | 19.36 | 20.38 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 1RB#49 | 19.32 | 20.34 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 50RB#0 | 19.2  | 20.22 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 1RB#0  | 19.33 | 20.35 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 1RB#24 | 19.31 | 20.33 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 1RB#49 | 19.06 | 20.08 | 30 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 50RB#0 | 19.18 | 20.2  | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20025 | 1RB#0  | 23.86 | 24.88 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20025 | 1RB#38 | 23.41 | 24.43 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20025 | 1RB#74 | 23.52 | 24.54 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20025 | 75RB#0 | 23.11 | 24.13 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20175 | 1RB#0  | 23.84 | 24.86 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20175 | 1RB#38 | 23.48 | 24.5  | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20175 | 1RB#74 | 23.54 | 24.56 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20175 | 75RB#0 | 22.96 | 23.98 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20325 | 1RB#0  | 23.86 | 24.88 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20325 | 1RB#38 | 23.45 | 24.47 | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20325 | 1RB#74 | 23.58 | 24.6  | 30 | PASS |
| Band4 | 15MHz | QPSK   | 20325 | 75RB#0 | 22.95 | 23.97 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20025 | 1RB#0  | 23.39 | 24.41 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20025 | 1RB#38 | 23.2  | 24.22 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20025 | 1RB#74 | 23.09 | 24.11 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20025 | 75RB#0 | 22.11 | 23.13 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20175 | 1RB#0  | 23.29 | 24.31 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20175 | 1RB#38 | 23.02 | 24.04 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20175 | 1RB#74 | 22.98 | 24    | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20175 | 75RB#0 | 21.94 | 22.96 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20325 | 1RB#0  | 23.45 | 24.47 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20325 | 1RB#38 | 23.01 | 24.03 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20325 | 1RB#74 | 22.94 | 23.96 | 30 | PASS |
| Band4 | 15MHz | 16QAM  | 20325 | 75RB#0 | 21.88 | 22.9  | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20025 | 1RB#0  | 22.12 | 23.14 | 30 | PASS |

|       |       |        |       |         |       |       |    |      |
|-------|-------|--------|-------|---------|-------|-------|----|------|
| Band4 | 15MHz | 64QAM  | 20025 | 1RB#38  | 22.26 | 23.28 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20025 | 1RB#74  | 22.14 | 23.16 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20025 | 75RB#0  | 21.02 | 22.04 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20175 | 1RB#0   | 22.27 | 23.29 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20175 | 1RB#38  | 21.95 | 22.97 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20175 | 1RB#74  | 22.17 | 23.19 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20175 | 75RB#0  | 20.87 | 21.89 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20325 | 1RB#0   | 22.28 | 23.3  | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20325 | 1RB#38  | 21.99 | 23.01 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20325 | 1RB#74  | 22.2  | 23.22 | 30 | PASS |
| Band4 | 15MHz | 64QAM  | 20325 | 75RB#0  | 20.97 | 21.99 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 1RB#0   | 19.24 | 20.26 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 1RB#38  | 19.08 | 20.1  | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 1RB#74  | 19.29 | 20.31 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 75RB#0  | 19.08 | 20.1  | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 1RB#0   | 19.39 | 20.41 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 1RB#38  | 19.23 | 20.25 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 1RB#74  | 19.41 | 20.43 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 75RB#0  | 18.98 | 20    | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 1RB#0   | 19.26 | 20.28 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 1RB#38  | 19.1  | 20.12 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 1RB#74  | 19.29 | 20.31 | 30 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 75RB#0  | 18.96 | 19.98 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 1RB#0   | 23.84 | 24.86 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 1RB#49  | 23.43 | 24.45 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 1RB#99  | 23.53 | 24.55 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 100RB#0 | 23.17 | 24.19 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 1RB#0   | 23.82 | 24.84 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 1RB#49  | 23.43 | 24.45 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 1RB#99  | 23.55 | 24.57 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 100RB#0 | 23.09 | 24.11 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 1RB#0   | 23.91 | 24.93 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 1RB#49  | 23.47 | 24.49 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 1RB#99  | 23.59 | 24.61 | 30 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 100RB#0 | 23.01 | 24.03 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 1RB#0   | 23.14 | 24.16 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 1RB#49  | 22.94 | 23.96 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 1RB#99  | 22.99 | 24.01 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 100RB#0 | 22.1  | 23.12 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 1RB#0   | 23.27 | 24.29 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 1RB#49  | 22.94 | 23.96 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 1RB#99  | 23.23 | 24.25 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 100RB#0 | 21.89 | 22.91 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 1RB#0   | 23.08 | 24.1  | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 1RB#49  | 23.1  | 24.12 | 30 | PASS |

|       |       |        |       |         |       |       |    |      |
|-------|-------|--------|-------|---------|-------|-------|----|------|
| Band4 | 20MHz | 16QAM  | 20300 | 1RB#99  | 23.11 | 24.13 | 30 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 100RB#0 | 22.15 | 23.17 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 1RB#0   | 22.05 | 23.07 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 1RB#49  | 22.28 | 23.3  | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 1RB#99  | 22.3  | 23.32 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 100RB#0 | 21.02 | 22.04 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 1RB#0   | 22.15 | 23.17 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 1RB#49  | 22.07 | 23.09 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 1RB#99  | 22.1  | 23.12 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 100RB#0 | 20.95 | 21.97 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 1RB#0   | 22.12 | 23.14 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 1RB#49  | 22.32 | 23.34 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 1RB#99  | 22.21 | 23.23 | 30 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 100RB#0 | 21.05 | 22.07 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 1RB#0   | 19.16 | 20.18 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 1RB#49  | 19.06 | 20.08 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 1RB#99  | 19.28 | 20.3  | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 100RB#0 | 19.07 | 20.09 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 1RB#0   | 19.11 | 20.13 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 1RB#49  | 19.01 | 20.03 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 1RB#99  | 19    | 20.02 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 100RB#0 | 19.01 | 20.03 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 1RB#0   | 18.92 | 19.94 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 1RB#49  | 18.82 | 19.84 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 1RB#99  | 19.13 | 20.15 | 30 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 100RB#0 | 19.05 | 20.07 | 30 | PASS |

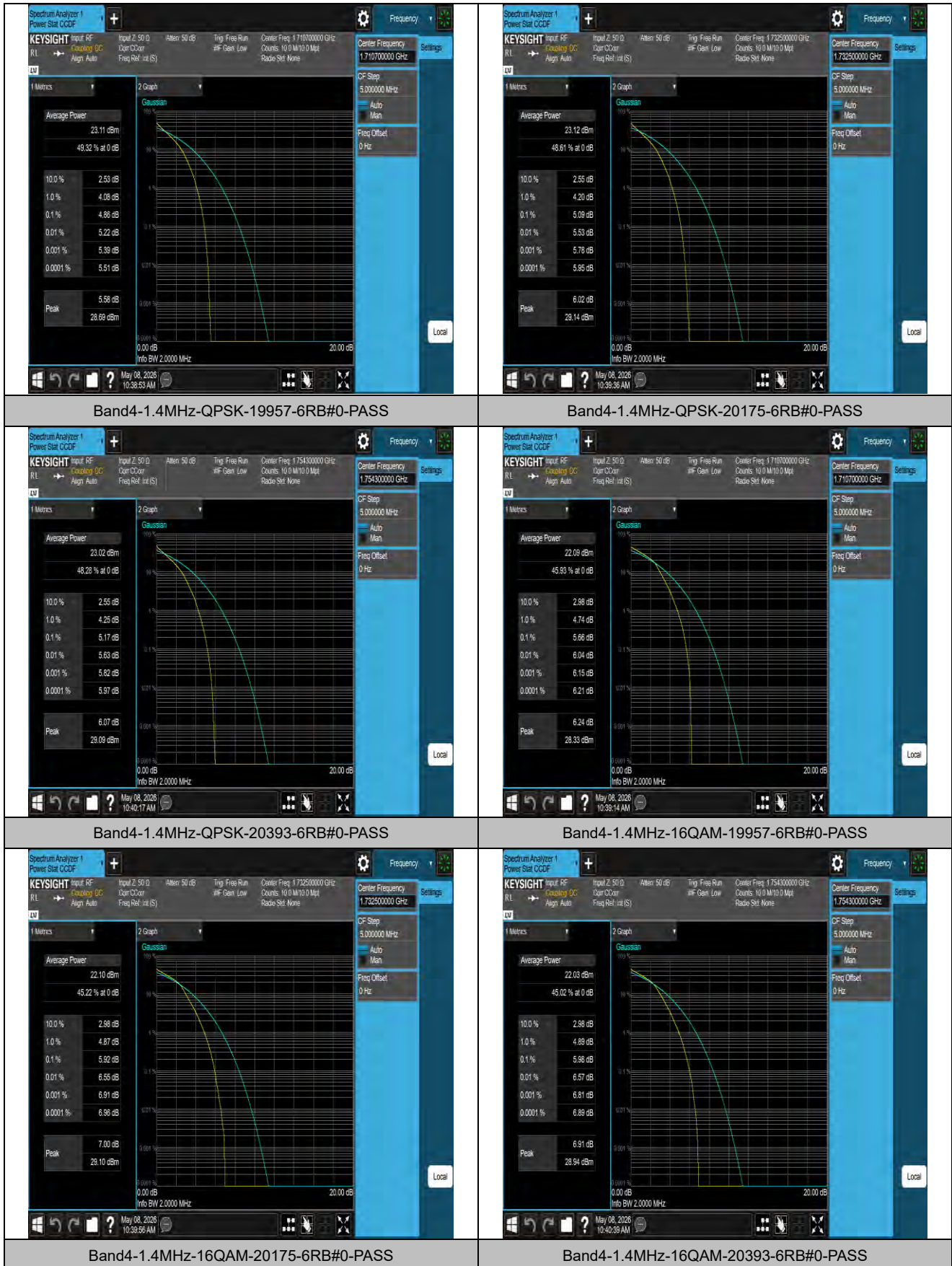
## Peak-to-Average Ratio(CCDF)

## Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result (dB) | Limit (dB) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 4.86        | 13         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 5.09        | 13         | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 5.17        | 13         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 5.66        | 13         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 5.92        | 13         | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 5.98        | 13         | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 6RB#0            | 6.22        | 13         | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20175   | 6RB#0            | 6.38        | 13         | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20393   | 6RB#0            | 6.42        | 13         | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 19957   | 6RB#0            | 6.66        | 13         | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 20175   | 6RB#0            | 7.57        | 13         | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 20393   | 6RB#0            | 6.71        | 13         | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 5.19        | 13         | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 5.36        | 13         | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 5.38        | 13         | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 5.97        | 13         | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 6.10        | 13         | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 6.13        | 13         | PASS    |
| Band4 | 3MHz      | 64QAM      | 19965   | 15RB#0           | 6.36        | 13         | PASS    |
| Band4 | 3MHz      | 64QAM      | 20175   | 15RB#0           | 6.47        | 13         | PASS    |
| Band4 | 3MHz      | 64QAM      | 20385   | 15RB#0           | 6.48        | 13         | PASS    |
| Band4 | 3MHz      | 256QAM     | 19965   | 15RB#0           | 6.68        | 13         | PASS    |
| Band4 | 3MHz      | 256QAM     | 20175   | 15RB#0           | 8.10        | 13         | PASS    |
| Band4 | 3MHz      | 256QAM     | 20385   | 15RB#0           | 6.70        | 13         | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 5.15        | 13         | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 5.32        | 13         | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 5.34        | 13         | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 5.91        | 13         | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 6.08        | 13         | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 6.06        | 13         | PASS    |
| Band4 | 5MHz      | 64QAM      | 19975   | 25RB#0           | 6.31        | 13         | PASS    |
| Band4 | 5MHz      | 64QAM      | 20175   | 25RB#0           | 6.41        | 13         | PASS    |
| Band4 | 5MHz      | 64QAM      | 20375   | 25RB#0           | 6.42        | 13         | PASS    |
| Band4 | 5MHz      | 256QAM     | 19975   | 25RB#0           | 6.64        | 13         | PASS    |
| Band4 | 5MHz      | 256QAM     | 20175   | 25RB#0           | 7.53        | 13         | PASS    |
| Band4 | 5MHz      | 256QAM     | 20375   | 25RB#0           | 6.68        | 13         | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 5.24        | 13         | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 5.33        | 13         | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | 5.34        | 13         | PASS    |

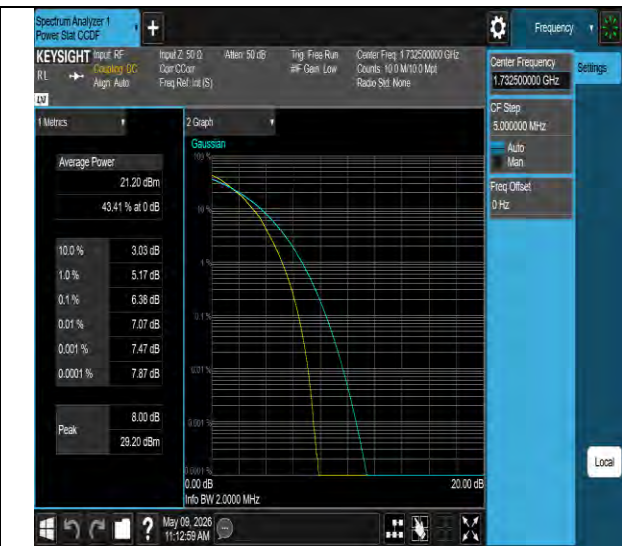
|       |       |        |       |         |      |    |      |
|-------|-------|--------|-------|---------|------|----|------|
| Band4 | 10MHz | 16QAM  | 20000 | 50RB#0  | 5.98 | 13 | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 50RB#0  | 6.06 | 13 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 50RB#0  | 6.09 | 13 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 50RB#0  | 6.35 | 13 | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 50RB#0  | 6.42 | 13 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 50RB#0  | 6.43 | 13 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 50RB#0  | 6.64 | 13 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 50RB#0  | 6.66 | 13 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 50RB#0  | 6.67 | 13 | PASS |
| Band4 | 15MHz | QPSK   | 20025 | 75RB#0  | 5.19 | 13 | PASS |
| Band4 | 15MHz | QPSK   | 20175 | 75RB#0  | 5.23 | 13 | PASS |
| Band4 | 15MHz | QPSK   | 20325 | 75RB#0  | 5.22 | 13 | PASS |
| Band4 | 15MHz | 16QAM  | 20025 | 75RB#0  | 5.97 | 13 | PASS |
| Band4 | 15MHz | 16QAM  | 20175 | 75RB#0  | 6.01 | 13 | PASS |
| Band4 | 15MHz | 16QAM  | 20325 | 75RB#0  | 6.02 | 13 | PASS |
| Band4 | 15MHz | 64QAM  | 20025 | 75RB#0  | 6.30 | 13 | PASS |
| Band4 | 15MHz | 64QAM  | 20175 | 75RB#0  | 6.34 | 13 | PASS |
| Band4 | 15MHz | 64QAM  | 20325 | 75RB#0  | 6.33 | 13 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 75RB#0  | 6.51 | 13 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 75RB#0  | 6.48 | 13 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 75RB#0  | 6.51 | 13 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 100RB#0 | 5.33 | 13 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 100RB#0 | 5.33 | 13 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 100RB#0 | 5.30 | 13 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 100RB#0 | 6.07 | 13 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 100RB#0 | 6.08 | 13 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 100RB#0 | 6.05 | 13 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 100RB#0 | 6.41 | 13 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 100RB#0 | 6.42 | 13 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 100RB#0 | 6.39 | 13 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 100RB#0 | 6.65 | 13 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 100RB#0 | 6.65 | 13 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 100RB#0 | 6.62 | 13 | PASS |

## Test Graphs

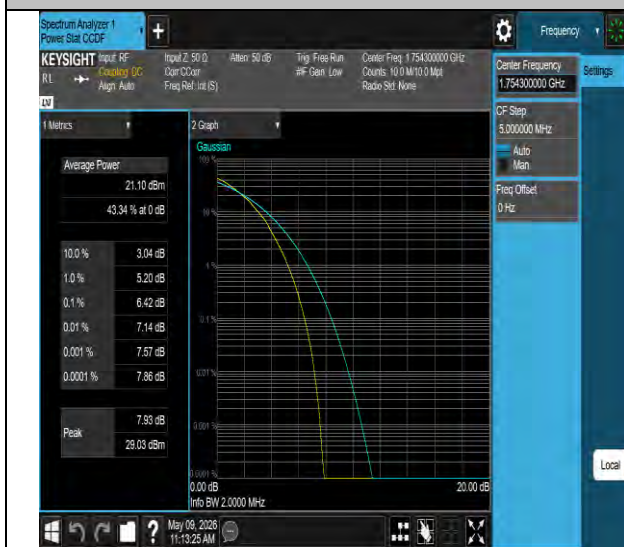




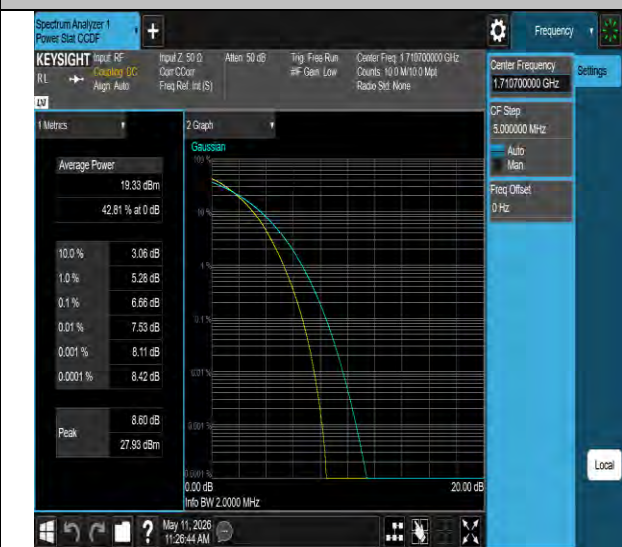
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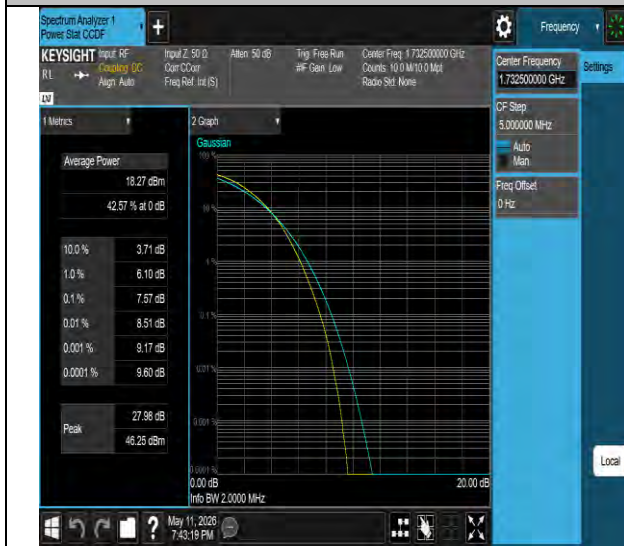
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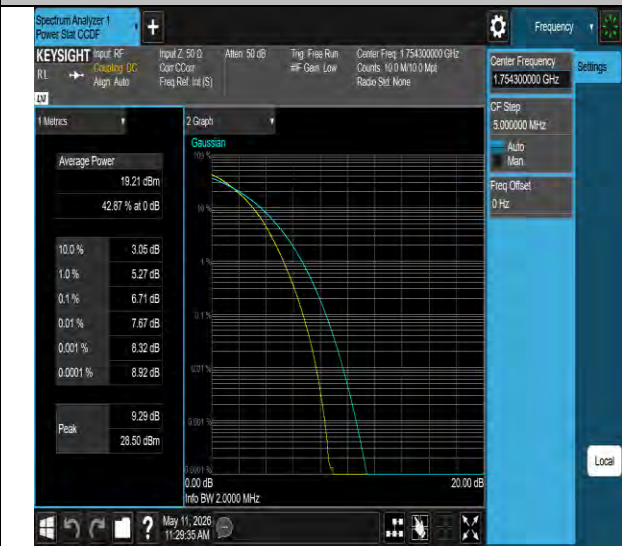
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Band4-1.4MHz-256QAM-19957-6RB#0-PASS



Band4-1.4MHz-256QAM-20175-6RB#0-PASS



Band4-1.4MHz-256QAM-20393-6RB#0-PASS



Band4-3MHz-QPSK-19965-15RB#0-PASS



Band4-3MHz-QPSK-20175-15RB#0-PASS



Band4-3MHz-QPSK-20385-15RB#0-PASS



Band4-3MHz-16QAM-19965-15RB#0-PASS



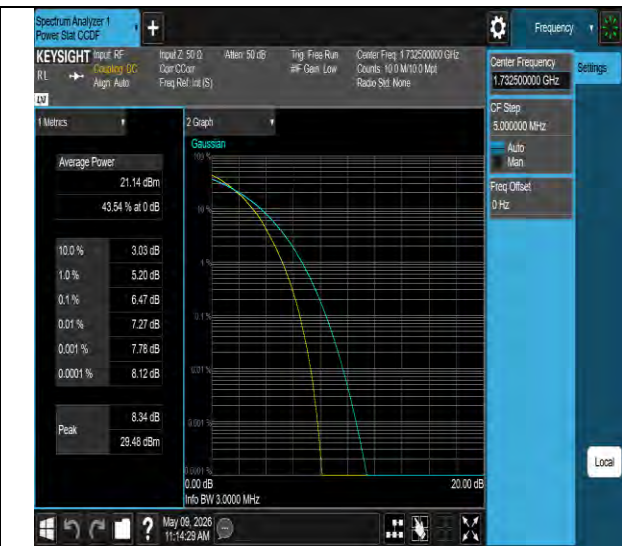
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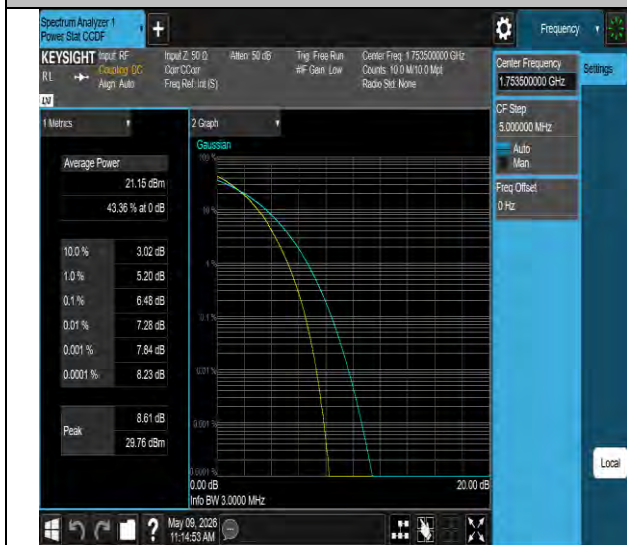
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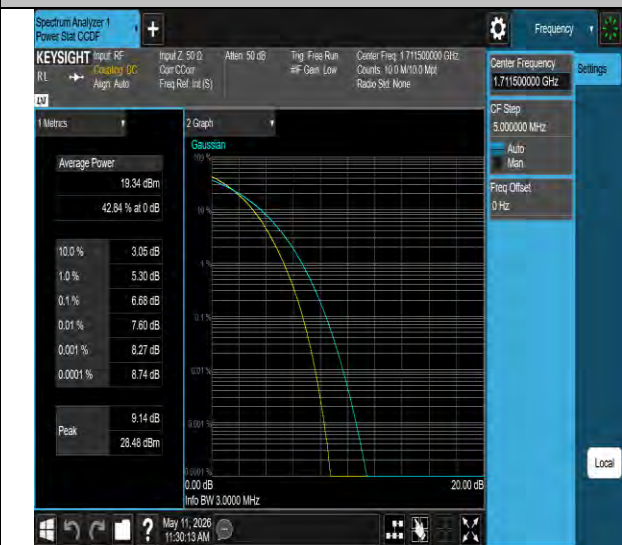
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Band4-3MHz-64QAM-20175-15RB#0-PASS



Band4-3MHz-64QAM-20385-15RB#0-PASS



Band4-3MHz-256QAM-19965-15RB#0-PASS



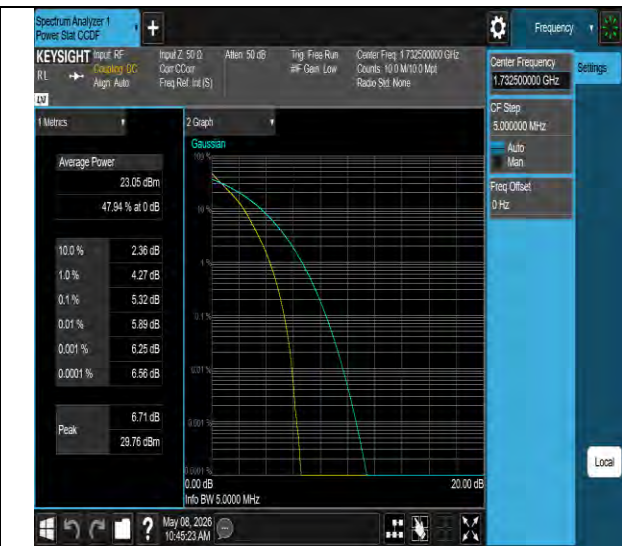
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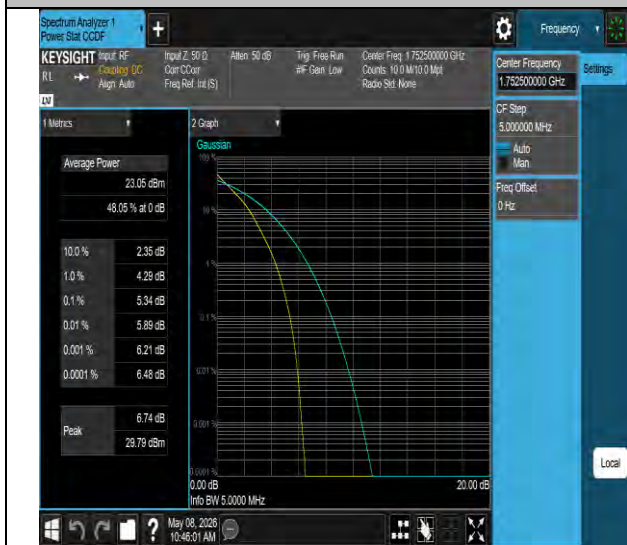
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Band4-5MHz-QPSK-19975-25RB#0-PASS



Band4-5MHz-QPSK-20175-25RB#0-PASS



Band4-5MHz-QPSK-20375-25RB#0-PASS



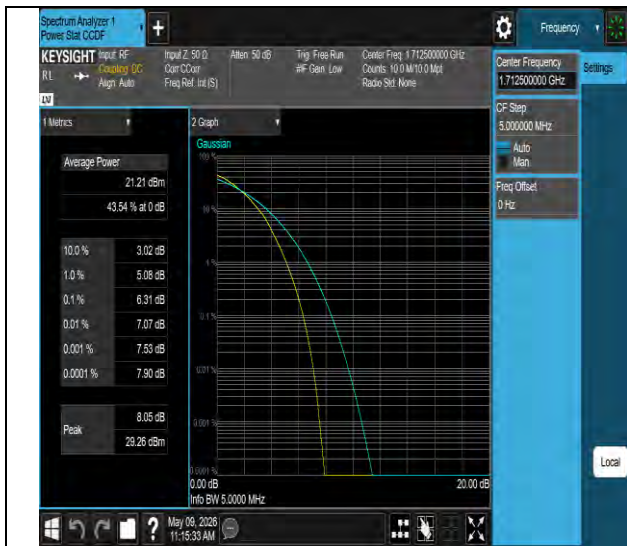
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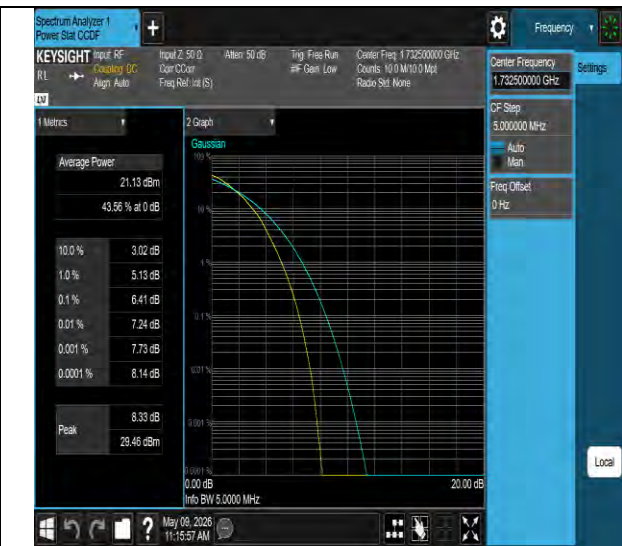
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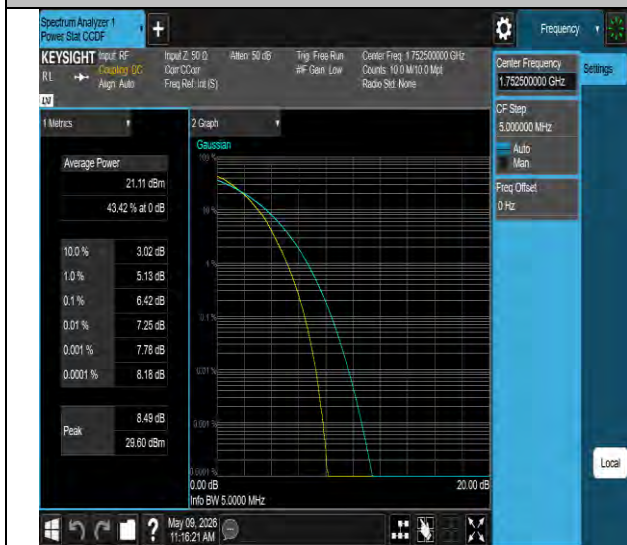
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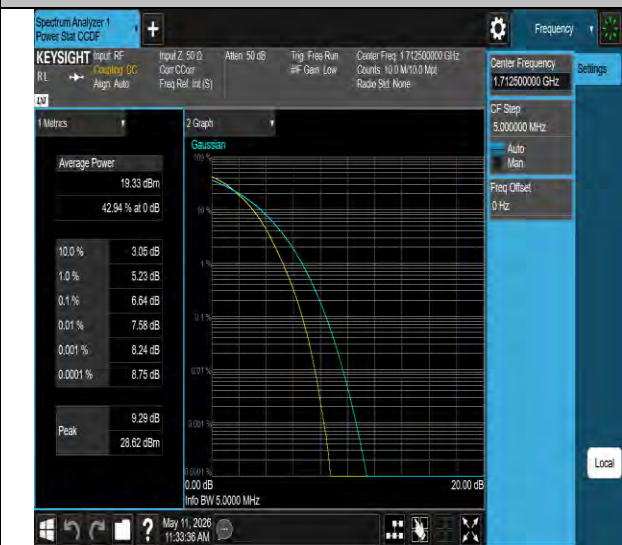
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Band4-5MHz-64QAM-20175-25RB#0-PASS



Band4-5MHz-64QAM-20375-25RB#0-PASS



Band4-5MHz-256QAM-19975-25RB#0-PASS



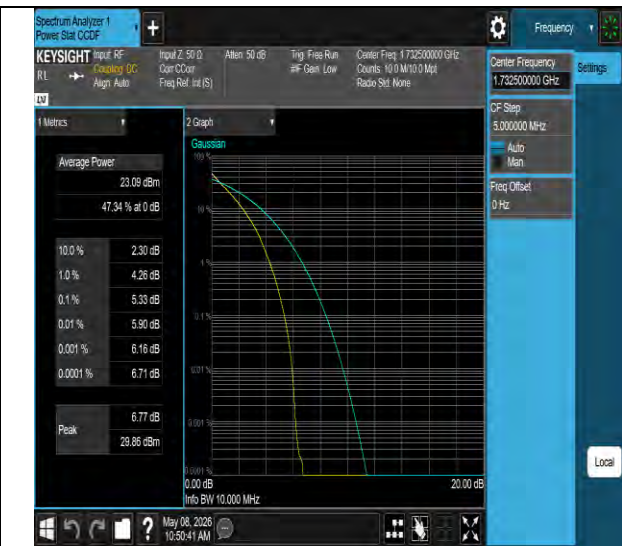
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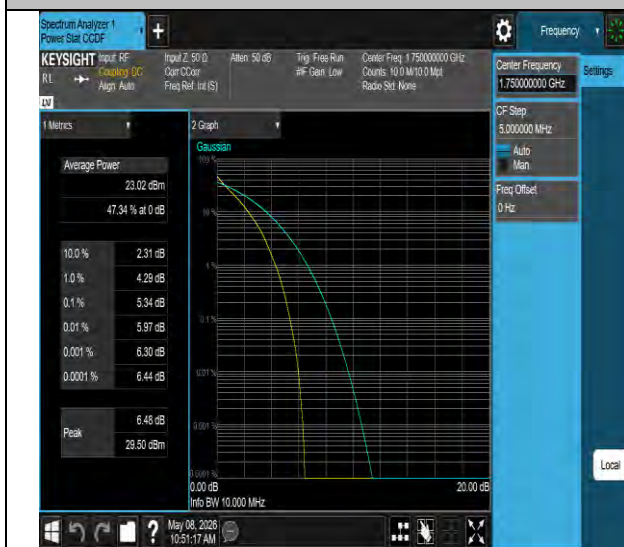
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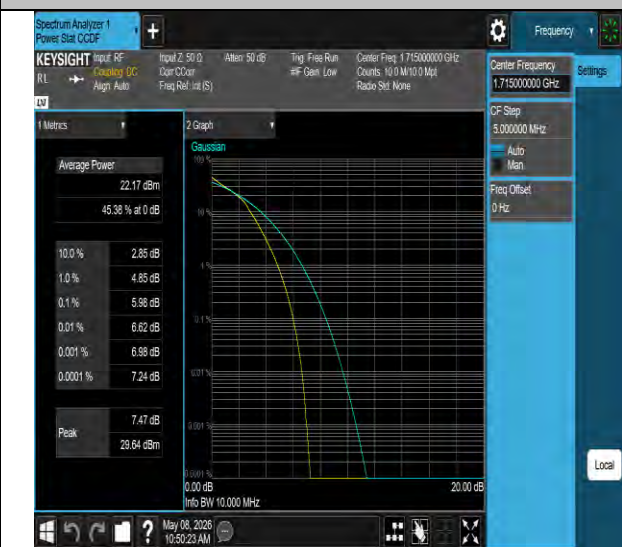
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Band4-10MHz-QPSK-20175-50RB#0-PASS



Band4-10MHz-QPSK-20350-50RB#0-PASS



Band4-10MHz-16QAM-20000-50RB#0-PASS



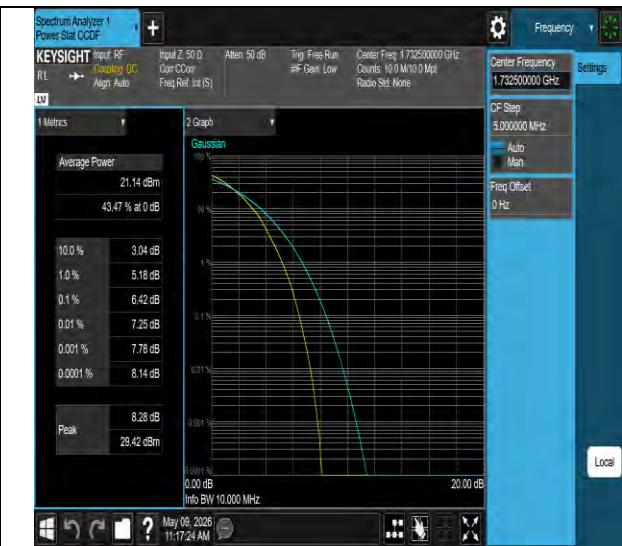
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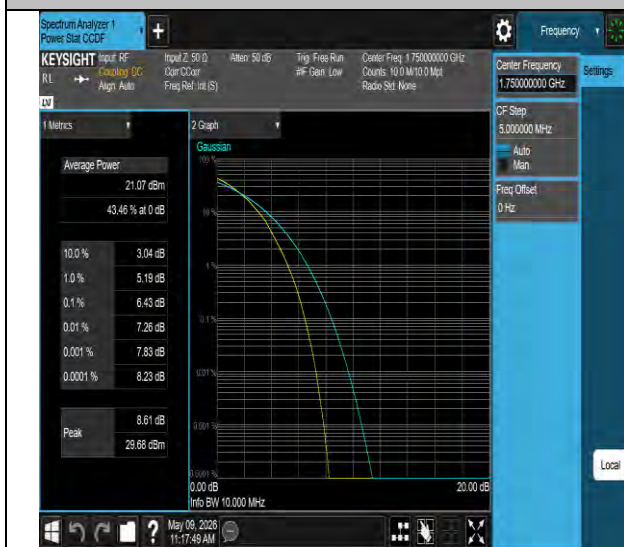
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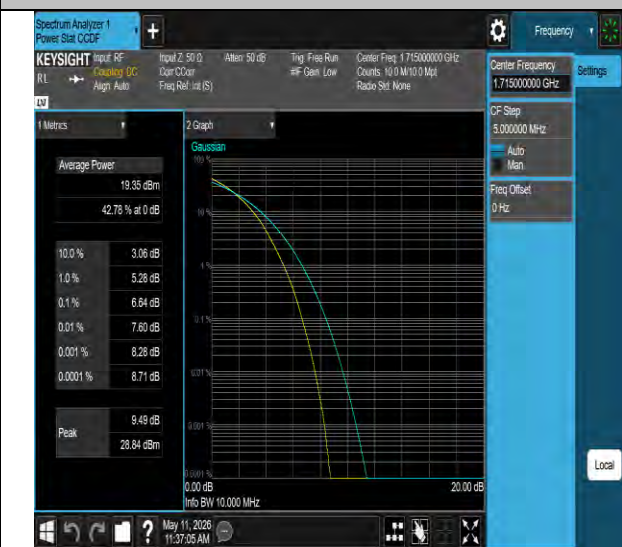
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Band4-10MHz-64QAM-20175-50RB#0-PASS



Band4-10MHz-64QAM-20350-50RB#0-PASS



Band4-10MHz-256QAM-20000-50RB#0-PASS



Band4-10MHz-256QAM-20175-50RB#0-PASS



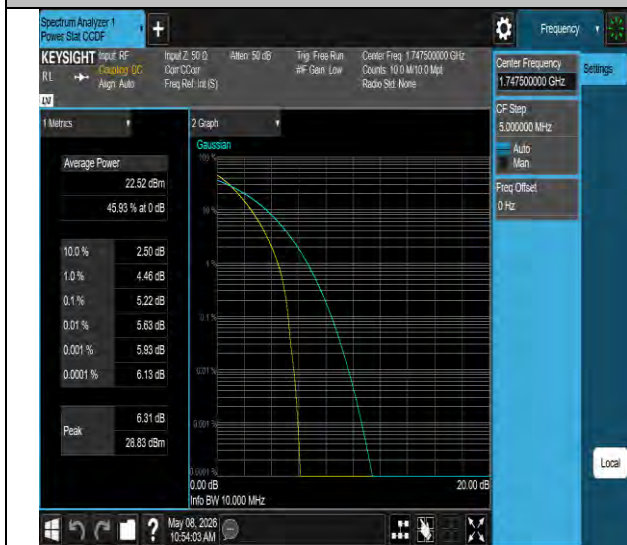
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Band4-15MHz-QPSK-2025-75RB#0-PASS



Band4-15MHz-QPSK-20175-75RB#0-PASS



Band4-15MHz-QPSK-20325-75RB#0-PASS



Band4-15MHz-16QAM-2025-75RB#0-PASS



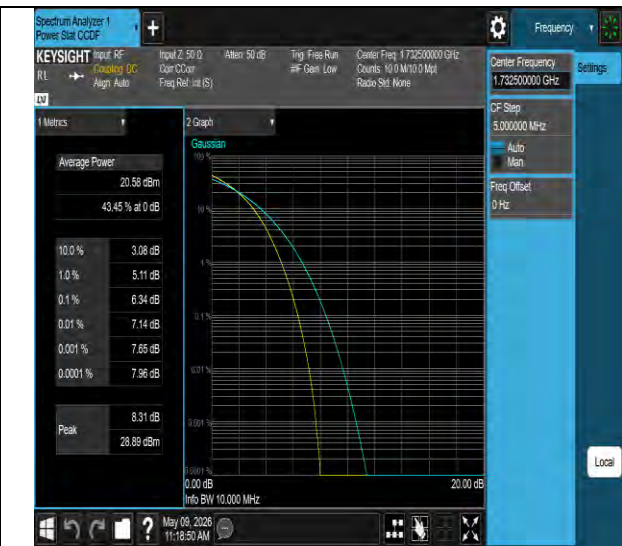
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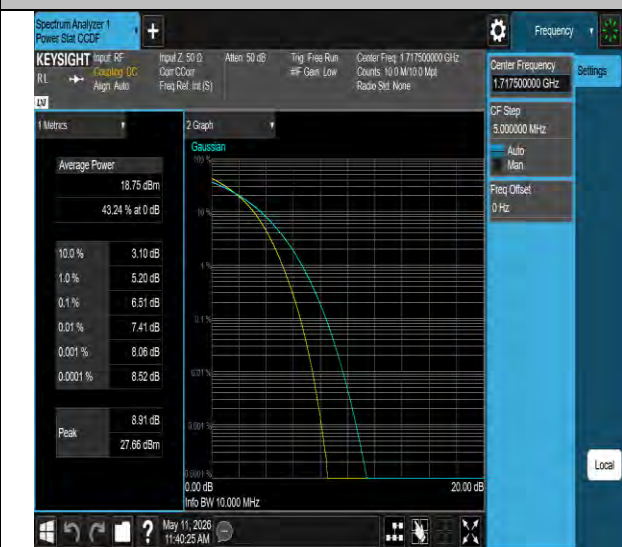
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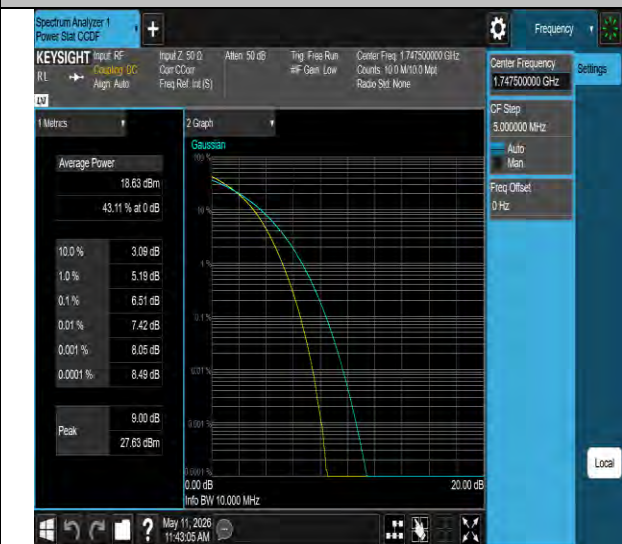
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Band4-15MHz-256QAM-20025-75RB#0-PASS



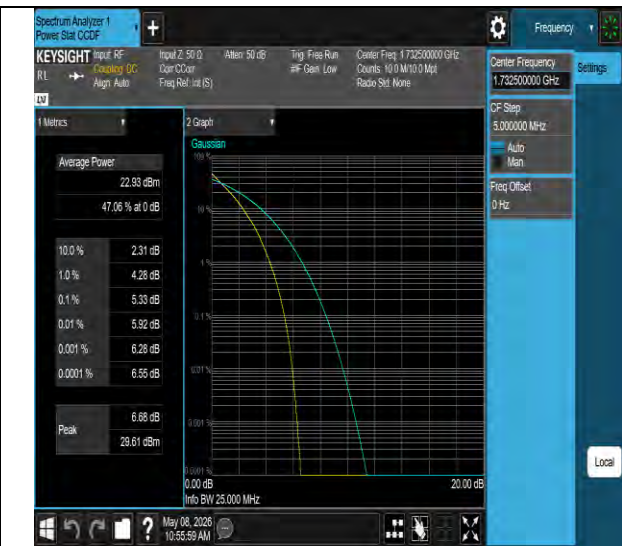
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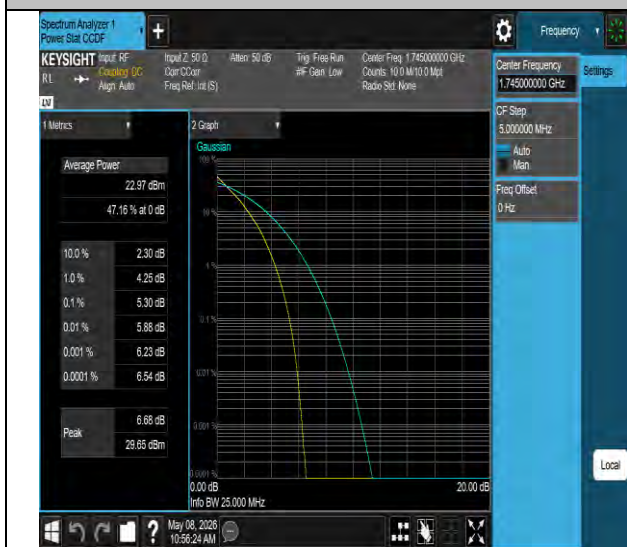
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Band4-20MHz-QPSK-20050-100RB#0-PASS



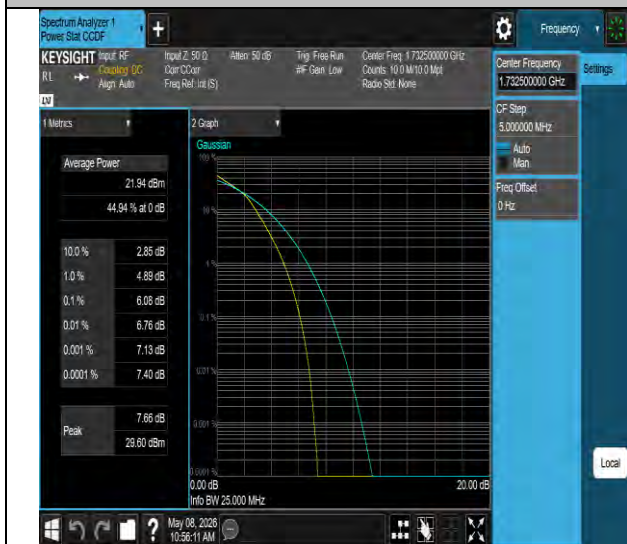
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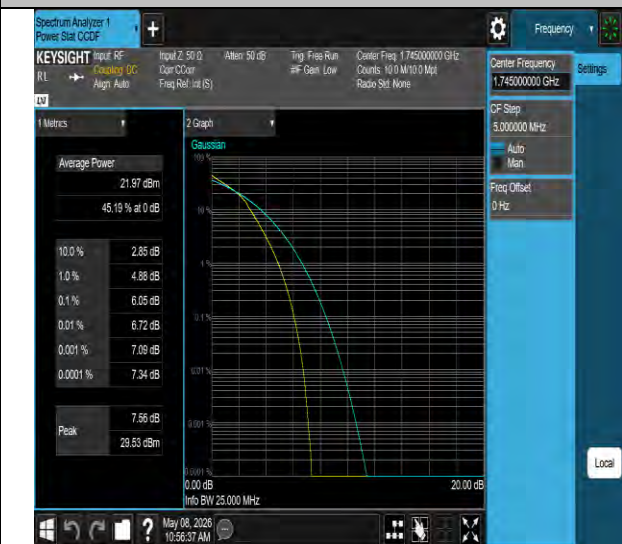
Band4-20MHz-QPSK-20300-100RB#0-PASS



Band4-20MHz-16QAM-20050-100RB#0-PASS



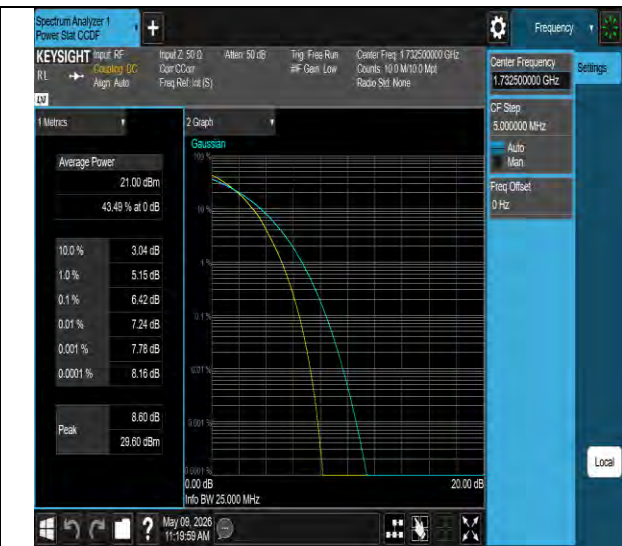
Band4-20MHz-16QAM-20175-100RB#0-PASS



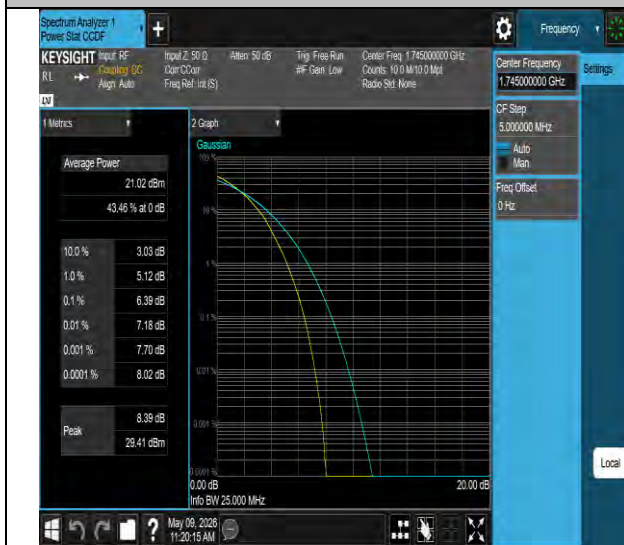
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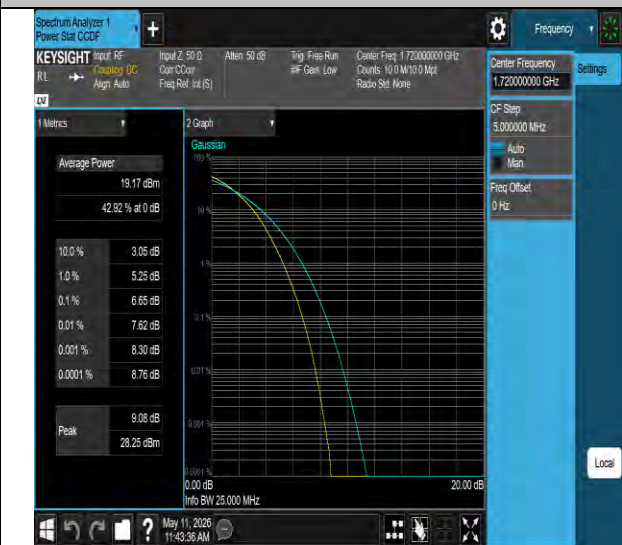
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Band4-20MHz-64QAM-20175-100RB#0-PASS



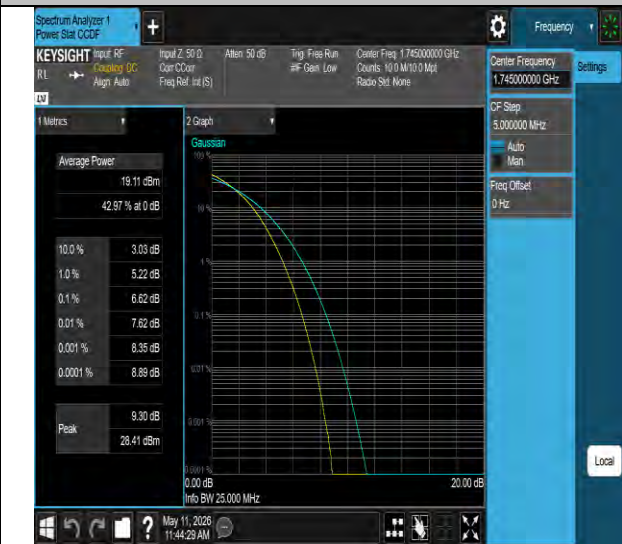
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Band4-20MHz-256QAM-20050-100RB#0-PASS



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Band4-20MHz-256QAM-20300-100RB#0-PASS

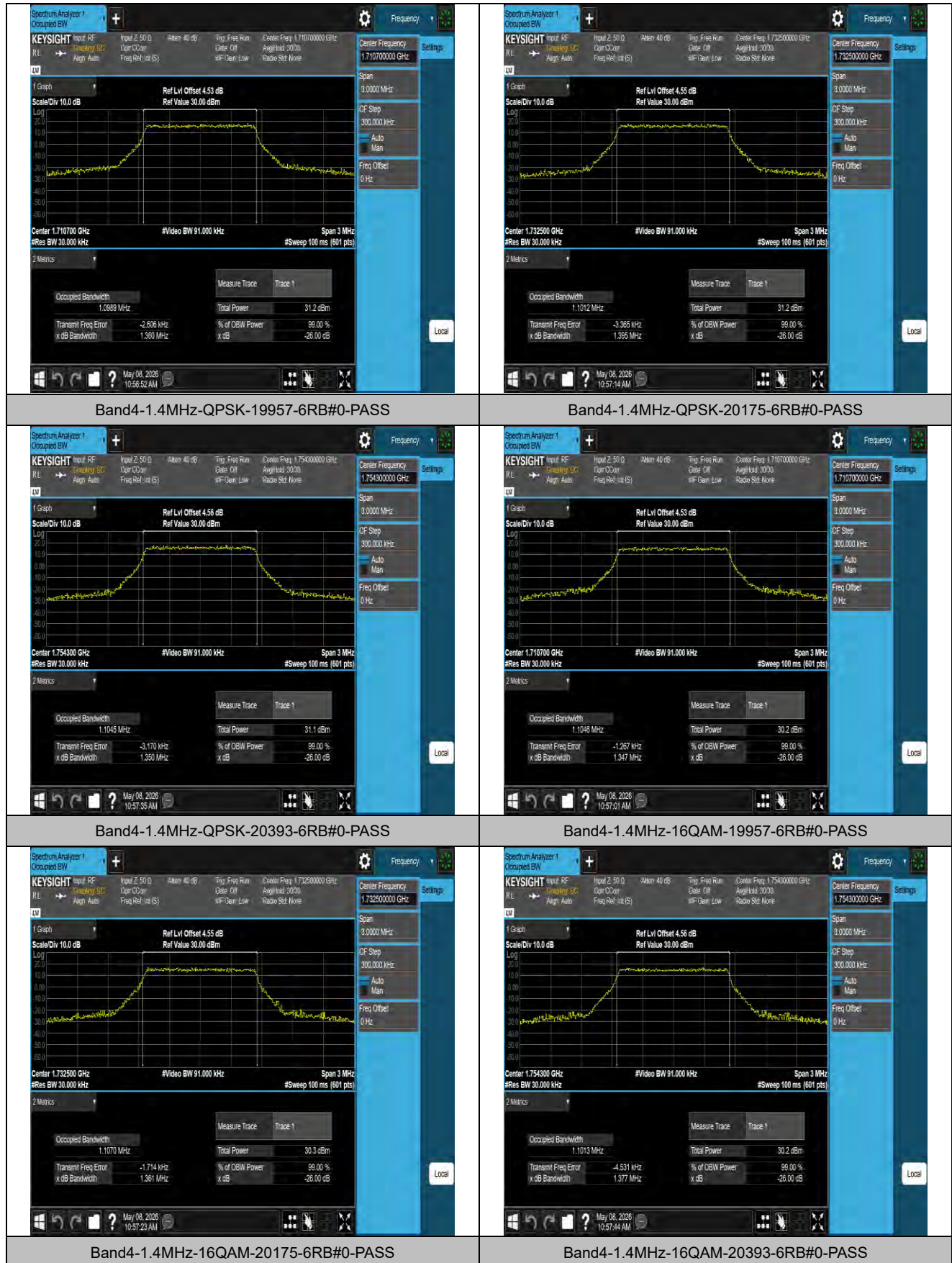
## 26dB Bandwidth and Occupied Bandwidth

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | OBW (MHz) | 26dB EBW (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|-----------|----------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 1.0989    | 1.360          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 1.1012    | 1.395          | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 1.1045    | 1.350          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 1.1046    | 1.347          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 1.1070    | 1.361          | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 1.1013    | 1.377          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 19957   | 6RB#0            | 1.1037    | 1.365          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20175   | 6RB#0            | 1.1018    | 1.328          | PASS    |
| Band4 | 1.4MHz    | 64QAM      | 20393   | 6RB#0            | 1.0968    | 1.367          | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 19957   | 6RB#0            | 1.0940    | 1.337          | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 20175   | 6RB#0            | 1.0897    | 1.331          | PASS    |
| Band4 | 1.4MHz    | 256QAM     | 20393   | 6RB#0            | 1.0954    | 1.343          | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 2.7018    | 3.059          | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 2.6955    | 3.042          | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 2.7042    | 3.041          | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 2.7014    | 3.017          | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 2.7048    | 3.022          | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 2.7031    | 3.039          | PASS    |
| Band4 | 3MHz      | 64QAM      | 19965   | 15RB#0           | 2.6860    | 3.043          | PASS    |
| Band4 | 3MHz      | 64QAM      | 20175   | 15RB#0           | 2.6998    | 2.994          | PASS    |
| Band4 | 3MHz      | 64QAM      | 20385   | 15RB#0           | 2.6865    | 3.011          | PASS    |
| Band4 | 3MHz      | 256QAM     | 19965   | 15RB#0           | 2.6873    | 3.003          | PASS    |
| Band4 | 3MHz      | 256QAM     | 20175   | 15RB#0           | 2.6941    | 3.006          | PASS    |
| Band4 | 3MHz      | 256QAM     | 20385   | 15RB#0           | 2.7019    | 2.986          | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 4.5156    | 5.193          | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.5147    | 5.173          | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 4.5173    | 5.138          | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 4.5234    | 5.176          | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 4.5143    | 5.163          | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 4.5190    | 5.128          | PASS    |
| Band4 | 5MHz      | 64QAM      | 19975   | 25RB#0           | 4.5038    | 5.109          | PASS    |
| Band4 | 5MHz      | 64QAM      | 20175   | 25RB#0           | 4.5012    | 5.133          | PASS    |
| Band4 | 5MHz      | 64QAM      | 20375   | 25RB#0           | 4.4994    | 5.159          | PASS    |
| Band4 | 5MHz      | 256QAM     | 19975   | 25RB#0           | 4.4913    | 5.076          | PASS    |
| Band4 | 5MHz      | 256QAM     | 20175   | 25RB#0           | 4.4971    | 5.100          | PASS    |
| Band4 | 5MHz      | 256QAM     | 20375   | 25RB#0           | 4.4988    | 5.114          | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | 9.0102    | 10.03          | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 8.9930    | 9.987          | PASS    |

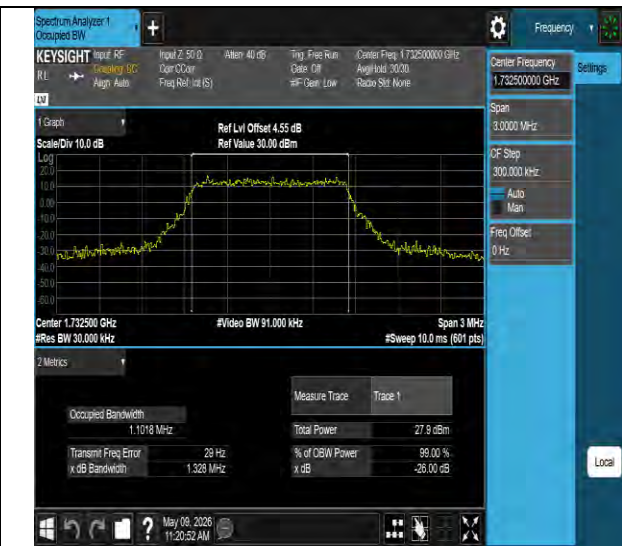
|       |       |        |       |         |        |       |      |
|-------|-------|--------|-------|---------|--------|-------|------|
| Band4 | 10MHz | QPSK   | 20350 | 50RB#0  | 9.0069 | 10.10 | PASS |
| Band4 | 10MHz | 16QAM  | 20000 | 50RB#0  | 8.9894 | 10.16 | PASS |
| Band4 | 10MHz | 16QAM  | 20175 | 50RB#0  | 8.9942 | 10.12 | PASS |
| Band4 | 10MHz | 16QAM  | 20350 | 50RB#0  | 9.0149 | 10.08 | PASS |
| Band4 | 10MHz | 64QAM  | 20000 | 50RB#0  | 8.9680 | 9.883 | PASS |
| Band4 | 10MHz | 64QAM  | 20175 | 50RB#0  | 8.9844 | 9.919 | PASS |
| Band4 | 10MHz | 64QAM  | 20350 | 50RB#0  | 9.0153 | 10.12 | PASS |
| Band4 | 10MHz | 256QAM | 20000 | 50RB#0  | 8.9906 | 10.01 | PASS |
| Band4 | 10MHz | 256QAM | 20175 | 50RB#0  | 8.9782 | 9.994 | PASS |
| Band4 | 10MHz | 256QAM | 20350 | 50RB#0  | 8.9936 | 9.945 | PASS |
| Band4 | 15MHz | QPSK   | 20025 | 75RB#0  | 13.508 | 14.86 | PASS |
| Band4 | 15MHz | QPSK   | 20175 | 75RB#0  | 13.488 | 14.94 | PASS |
| Band4 | 15MHz | QPSK   | 20325 | 75RB#0  | 13.518 | 14.92 | PASS |
| Band4 | 15MHz | 16QAM  | 20025 | 75RB#0  | 13.467 | 14.99 | PASS |
| Band4 | 15MHz | 16QAM  | 20175 | 75RB#0  | 13.491 | 15.06 | PASS |
| Band4 | 15MHz | 16QAM  | 20325 | 75RB#0  | 13.504 | 15.06 | PASS |
| Band4 | 15MHz | 64QAM  | 20025 | 75RB#0  | 13.431 | 14.67 | PASS |
| Band4 | 15MHz | 64QAM  | 20175 | 75RB#0  | 13.465 | 14.92 | PASS |
| Band4 | 15MHz | 64QAM  | 20325 | 75RB#0  | 13.453 | 14.76 | PASS |
| Band4 | 15MHz | 256QAM | 20025 | 75RB#0  | 13.448 | 14.79 | PASS |
| Band4 | 15MHz | 256QAM | 20175 | 75RB#0  | 13.469 | 14.85 | PASS |
| Band4 | 15MHz | 256QAM | 20325 | 75RB#0  | 13.491 | 14.72 | PASS |
| Band4 | 20MHz | QPSK   | 20050 | 100RB#0 | 18.010 | 19.82 | PASS |
| Band4 | 20MHz | QPSK   | 20175 | 100RB#0 | 17.981 | 19.76 | PASS |
| Band4 | 20MHz | QPSK   | 20300 | 100RB#0 | 17.975 | 19.82 | PASS |
| Band4 | 20MHz | 16QAM  | 20050 | 100RB#0 | 17.976 | 19.90 | PASS |
| Band4 | 20MHz | 16QAM  | 20175 | 100RB#0 | 17.993 | 19.86 | PASS |
| Band4 | 20MHz | 16QAM  | 20300 | 100RB#0 | 18.007 | 19.85 | PASS |
| Band4 | 20MHz | 64QAM  | 20050 | 100RB#0 | 17.938 | 19.58 | PASS |
| Band4 | 20MHz | 64QAM  | 20175 | 100RB#0 | 17.965 | 19.62 | PASS |
| Band4 | 20MHz | 64QAM  | 20300 | 100RB#0 | 17.928 | 19.66 | PASS |
| Band4 | 20MHz | 256QAM | 20050 | 100RB#0 | 17.949 | 19.65 | PASS |
| Band4 | 20MHz | 256QAM | 20175 | 100RB#0 | 17.909 | 19.46 | PASS |
| Band4 | 20MHz | 256QAM | 20300 | 100RB#0 | 17.955 | 19.77 | PASS |

## Test Graphs





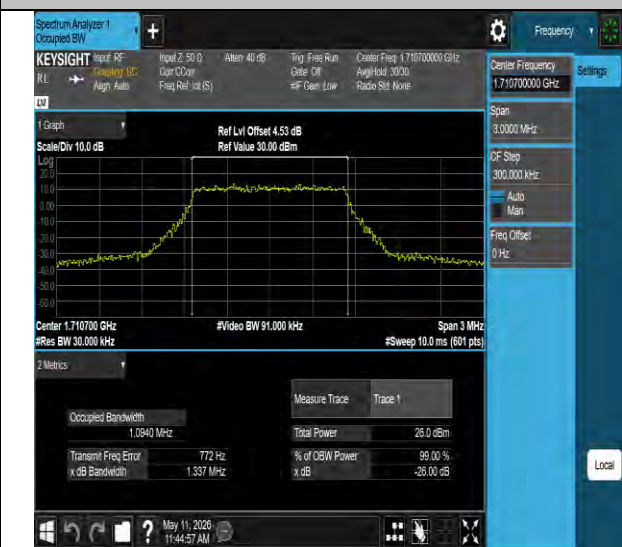
Band4-1.4MHz-64QAM-19957-6RB#0-PASS



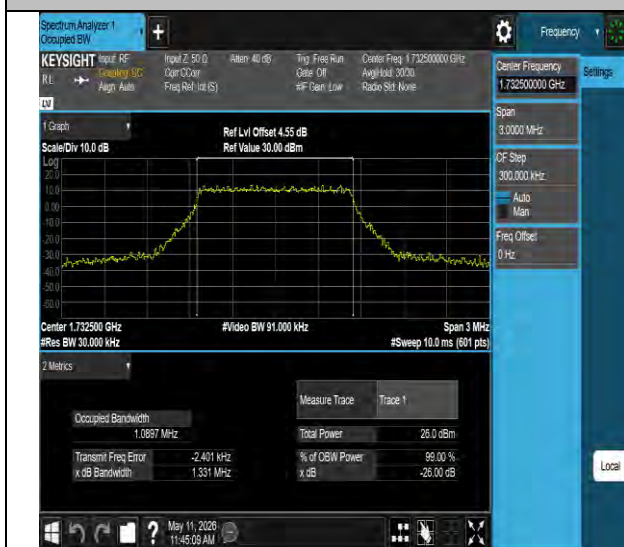
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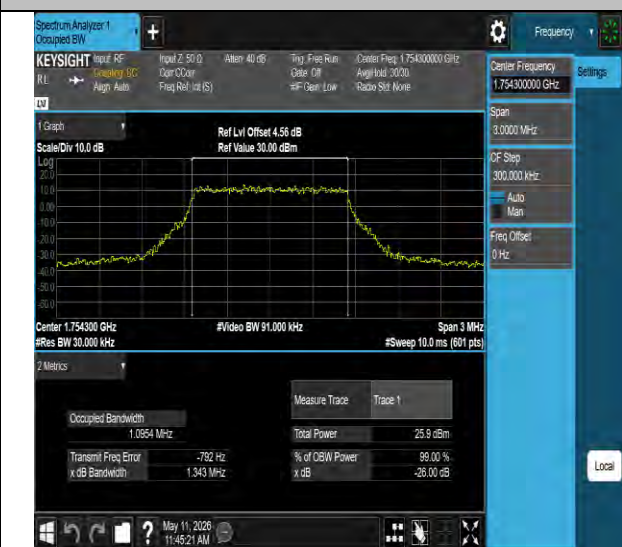
Band4-1.4MHz-64QAM-20393-6RB#0-PASS



Band4-1.4MHz-256QAM-19957-6RB#0-PASS



Band4-1.4MHz-256QAM-20175-6RB#0-PASS



Band4-1.4MHz-256QAM-20393-6RB#0-PASS



Band4-3MHz-QPSK-19965-15RB#0-PASS



Band4-3MHz-QPSK-20175-15RB#0-PASS



Band4-3MHz-QPSK-20385-15RB#0-PASS



Band4-3MHz-16QAM-19965-15RB#0-PASS



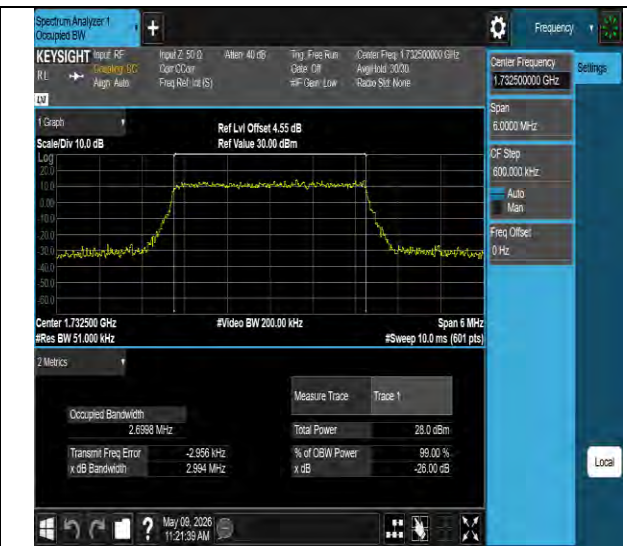
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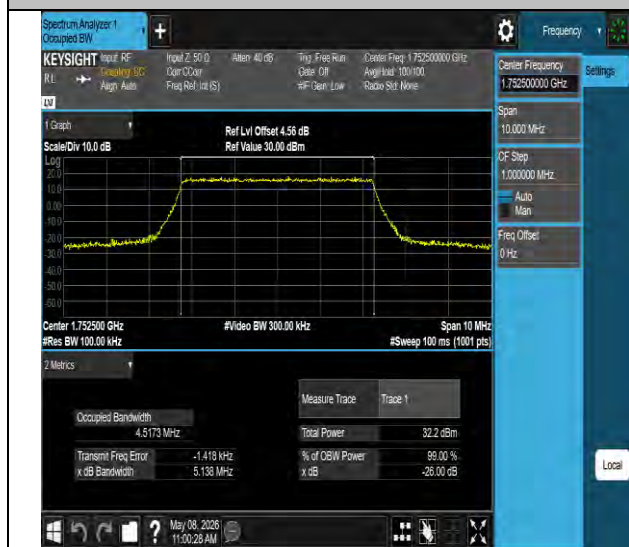
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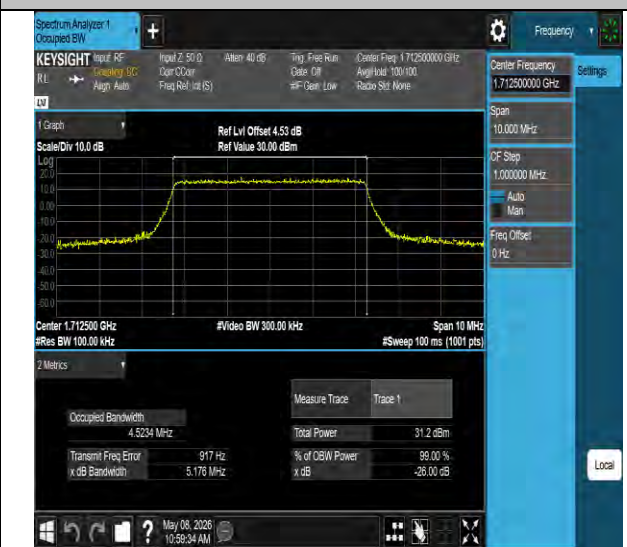
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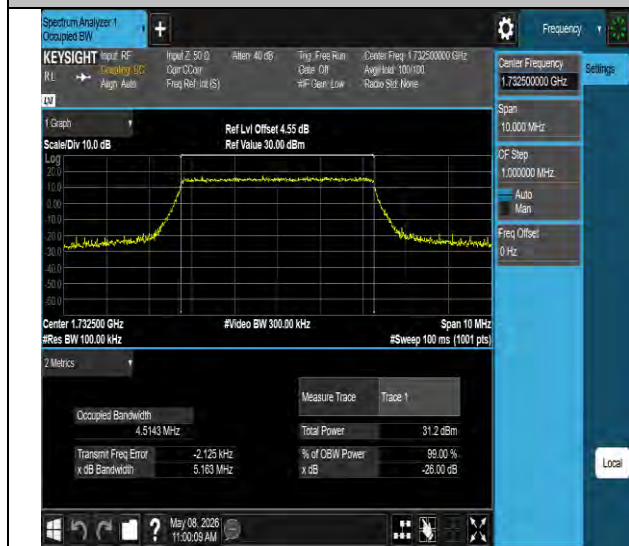
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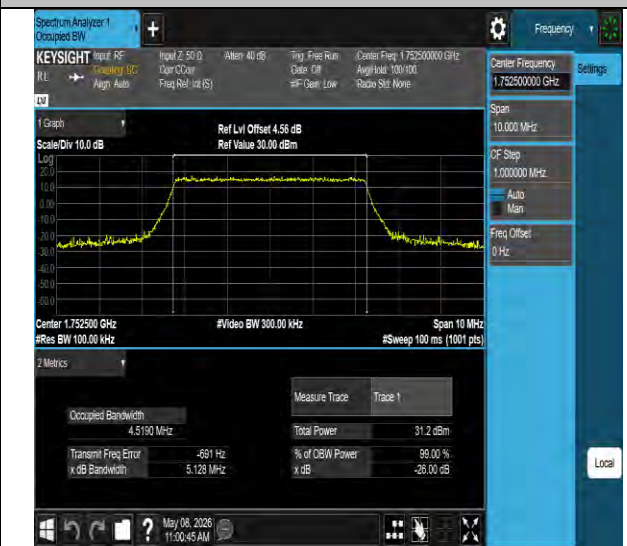
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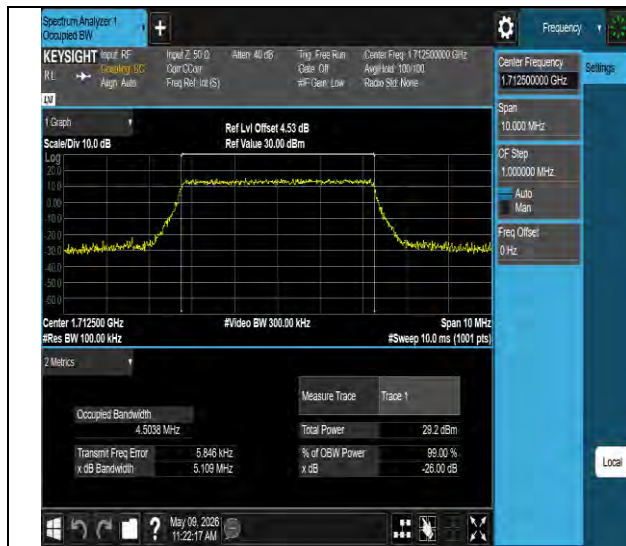
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Band4-5MHz-64QAM-19975-25RB#0-PASS



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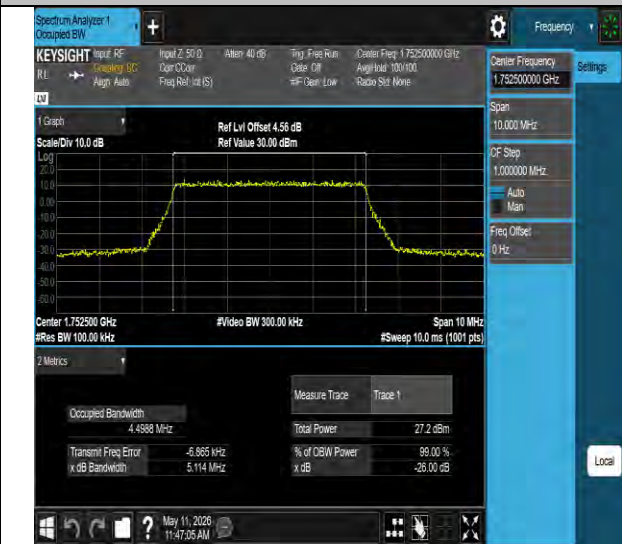
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Band4-5MHz-256QAM-20175-25RB#0-PASS



Band4-5MHz-256QAM-20375-25RB#0-PASS



Band4-10MHz-QPSK-20000-50RB#0-PASS



Band4-10MHz-QPSK-20175-50RB#0-PASS



Band4-10MHz-QPSK-20350-50RB#0-PASS



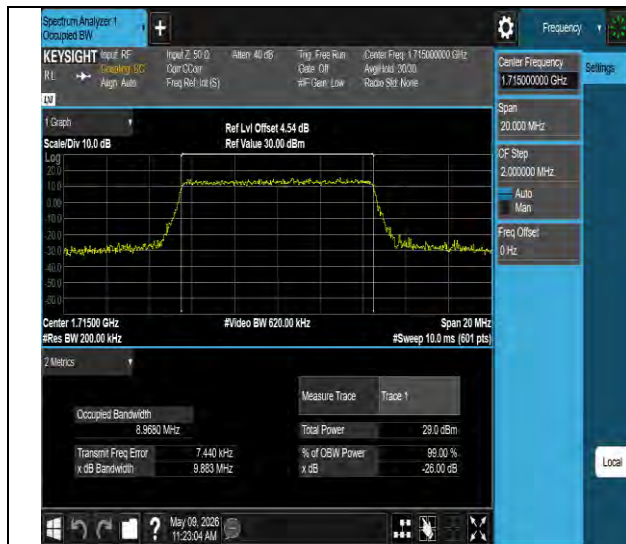
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Band4-10MHz-16QAM-20175-50RB#0-PASS



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Band4-15MHz-QPSK-20025-75RB#0-PASS



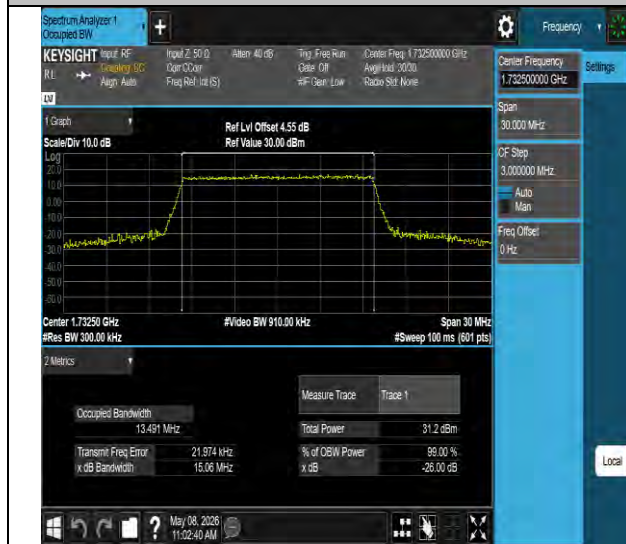
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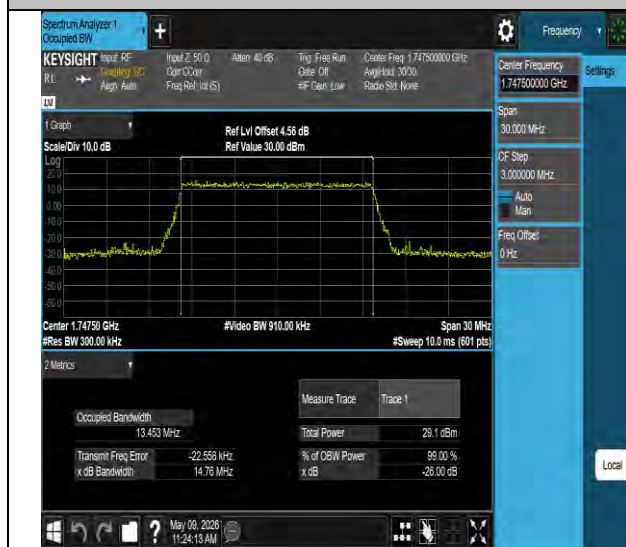
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Band4-15MHz-64QAM-20175-75RB#0-PASS



Band4-15MHz-64QAM-20325-75RB#0-PASS



Band4-15MHz-256QAM-20025-75RB#0-PASS



Band4-15MHz-256QAM-20175-75RB#0-PASS



Band4-15MHz-256QAM-20325-75RB#0-PASS



Band4-20MHz-QPSK-20050-100RB#0-PASS



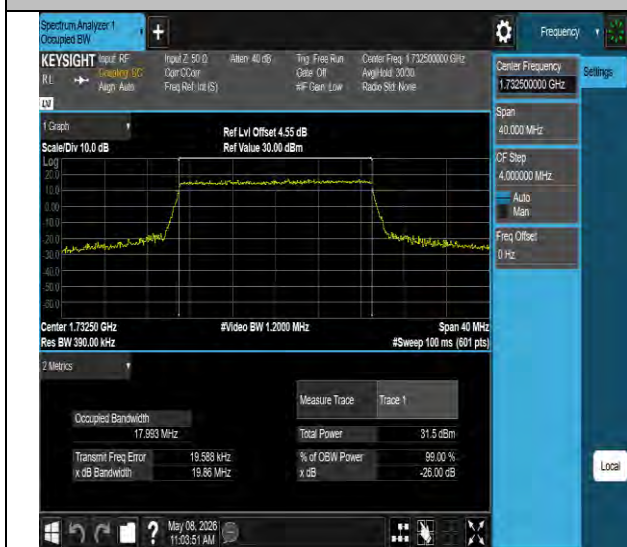
Band4-20MHz-QPSK-20175-100RB#0-PASS



Band4-20MHz-QPSK-20300-100RB#0-PASS



Band4-20MHz-16QAM-20050-100RB#0-PASS



Band4-20MHz-16QAM-20175-100RB#0-PASS



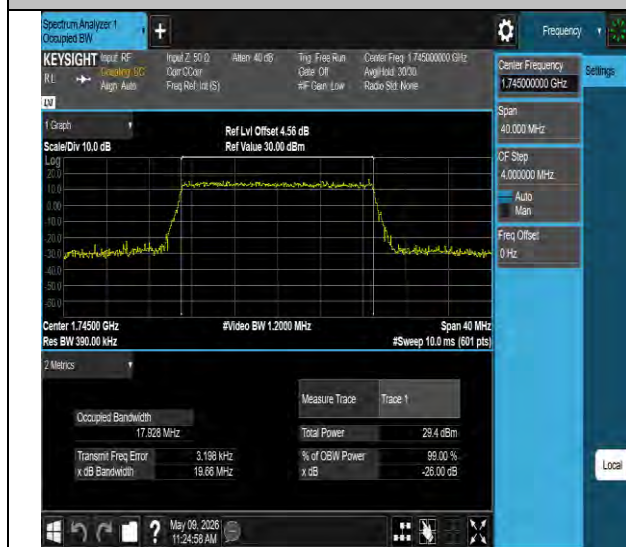
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Band4-20MHz-256QAM-20050-100RB#0-PASS



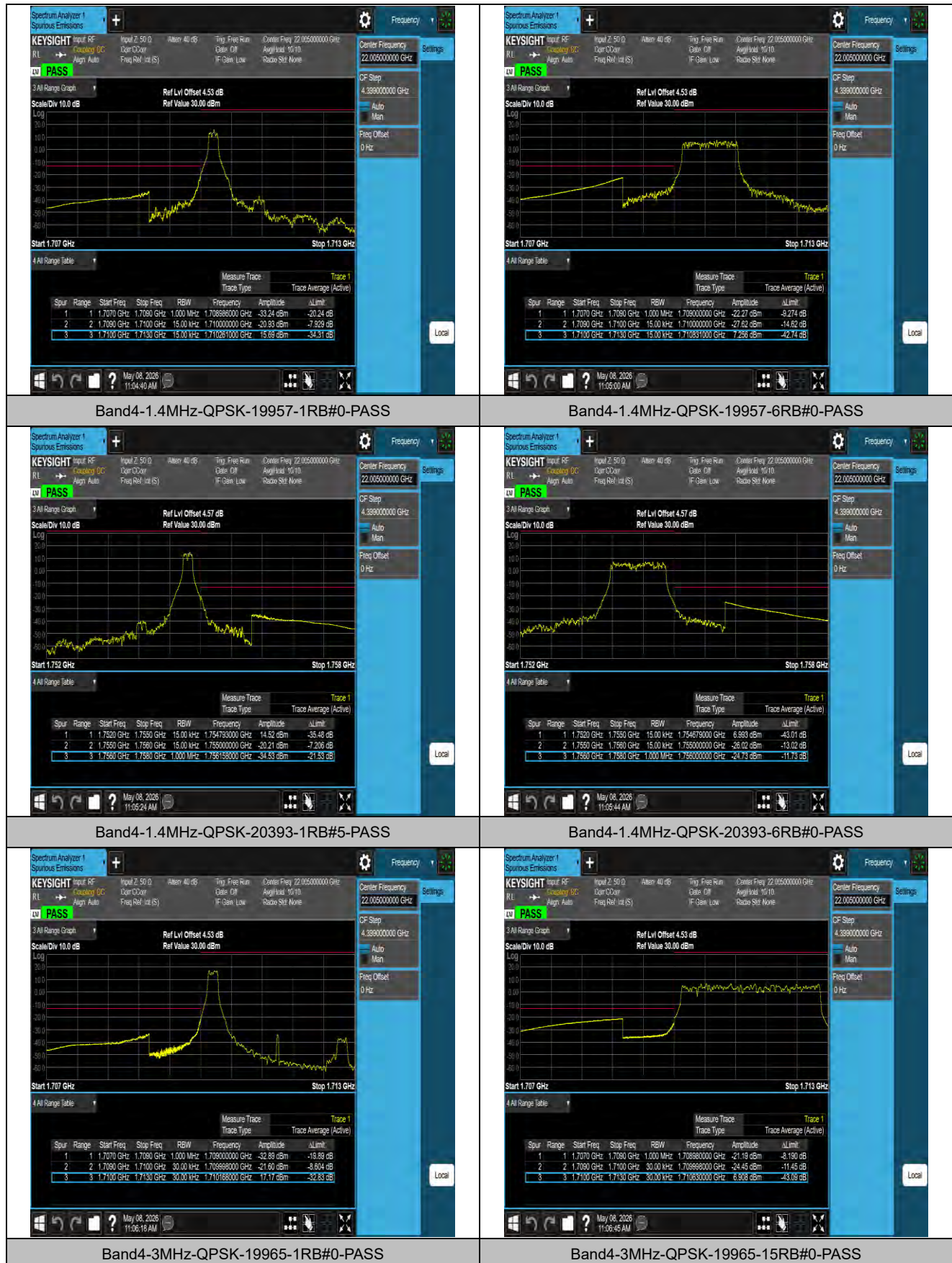
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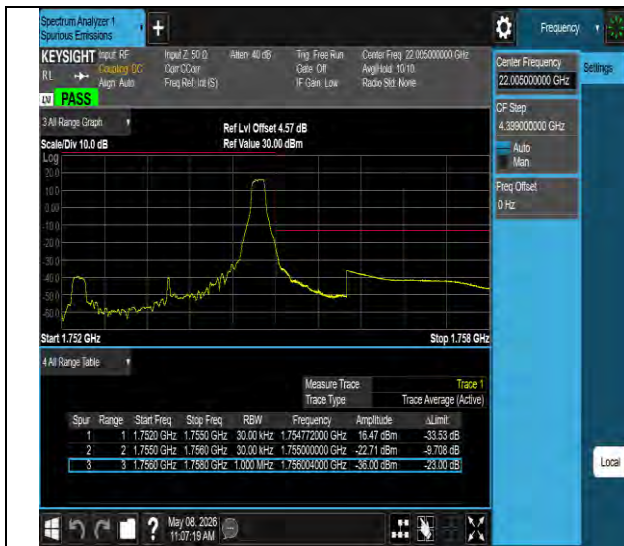


Band4-20MHz-256QAM-20300-100RB#0-PASS

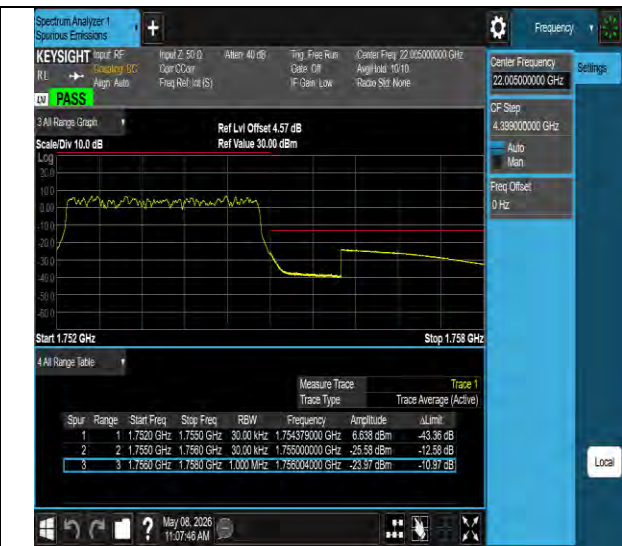
# Band Edge

## Test Graphs

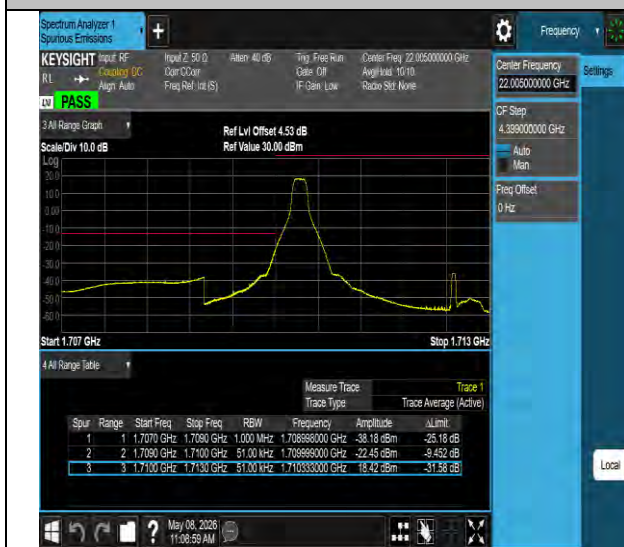




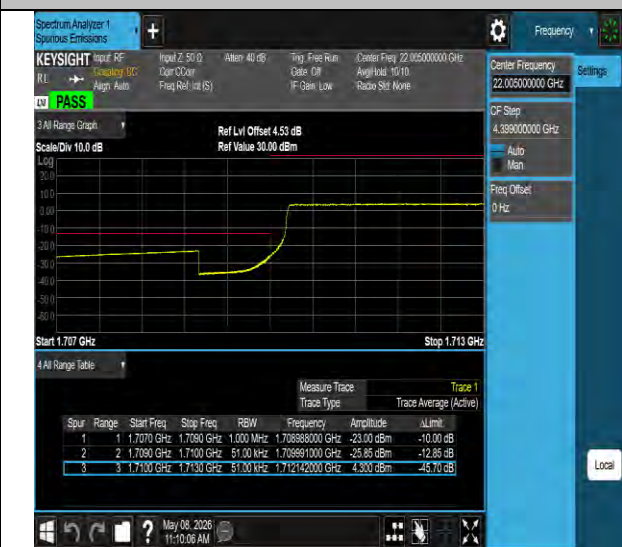
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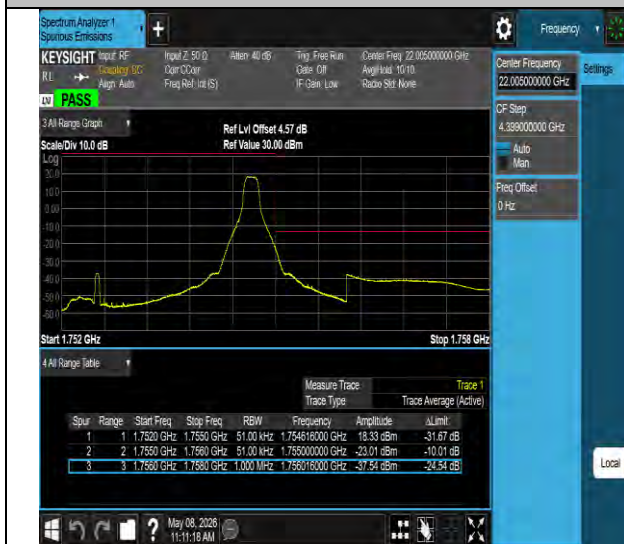
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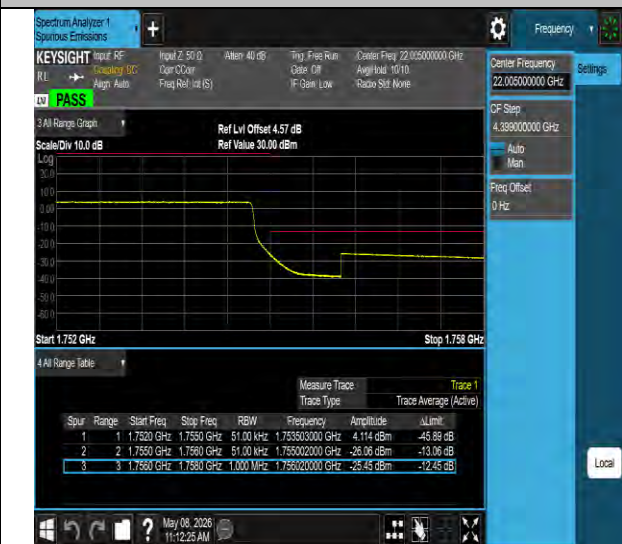
Band4-5MHz-QPSK-19975-1RB#0-PASS



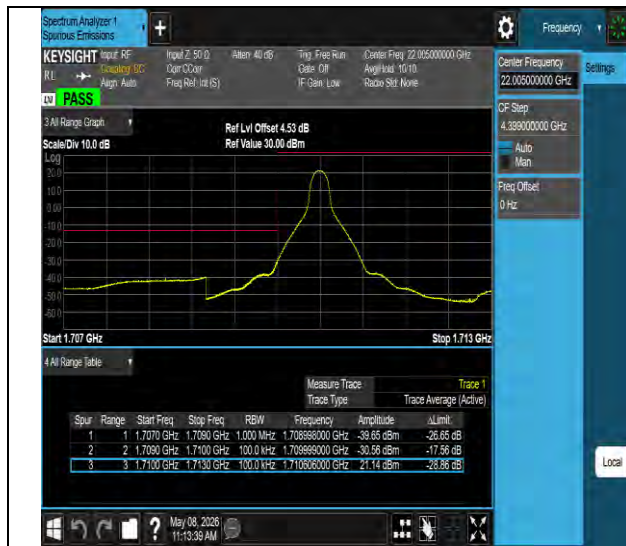
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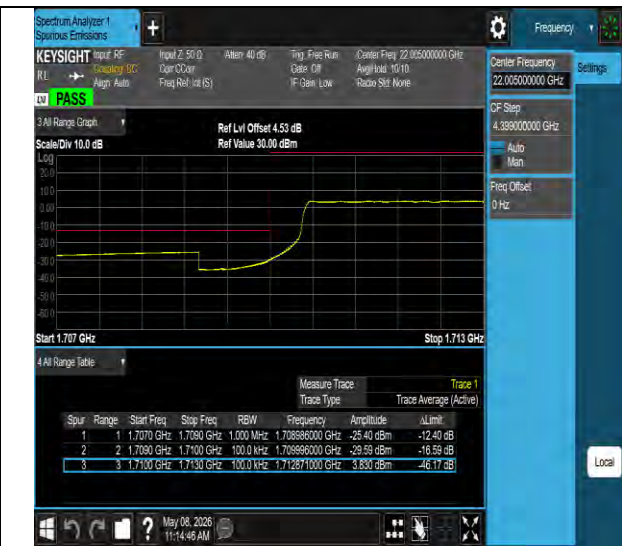
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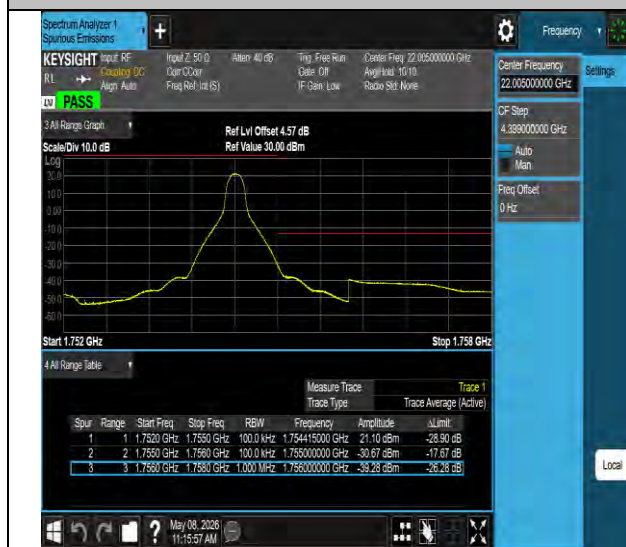
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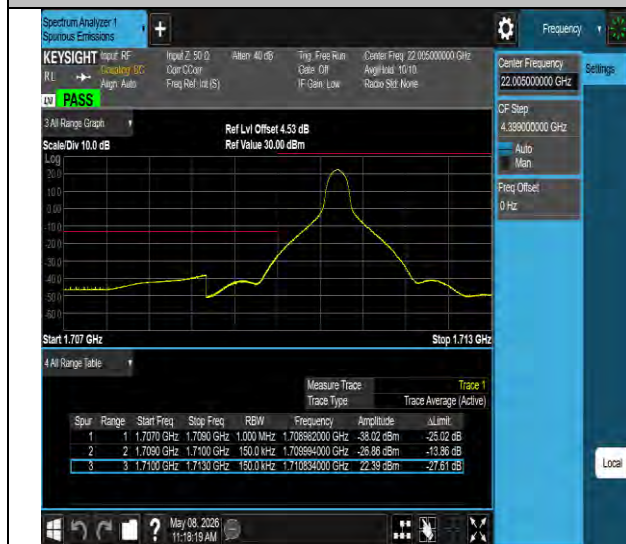
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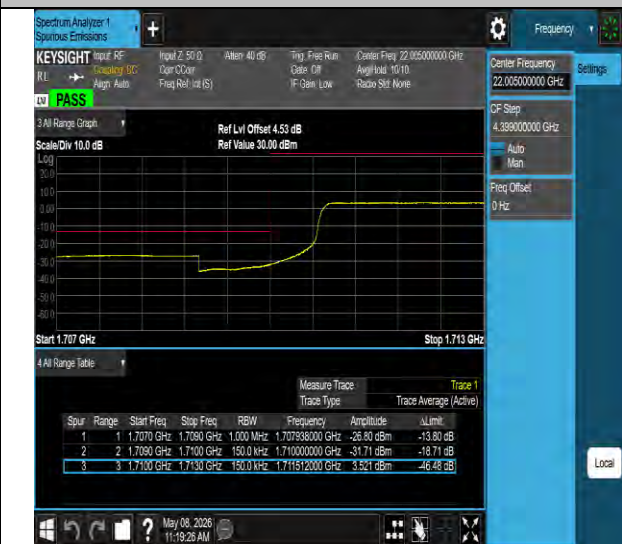
Band4-10MHz-QPSK-20350-1RB#49-PASS



Band4-10MHz-QPSK-20350-50RB#0-PASS



Band4-15MHz-QPSK-20025-1RB#0-PASS



Band4-15MHz-QPSK-20025-75RB#0-PASS



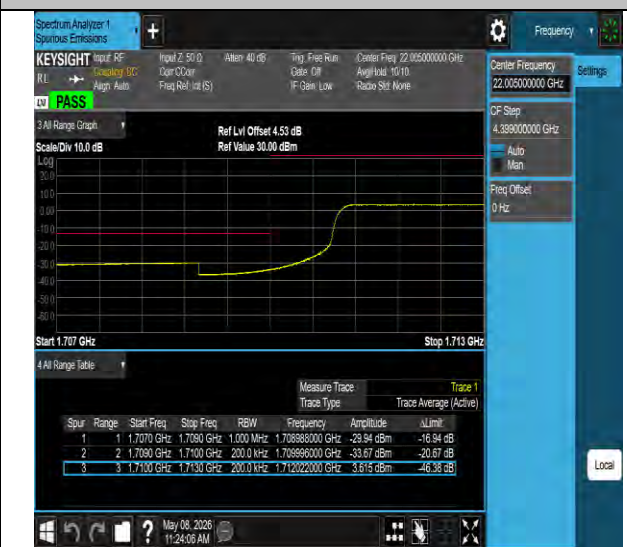
Band4-15MHz-QPSK-20325-1RB#74-PASS



Band4-15MHz-QPSK-20325-75RB#0-PASS



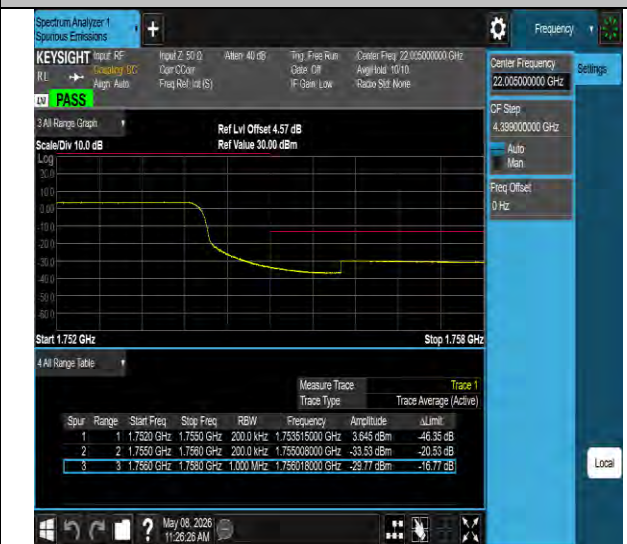
Band4-20MHz-QPSK-20050-1RB#0-PASS



Band4-20MHz-QPSK-20050-100RB#0-PASS



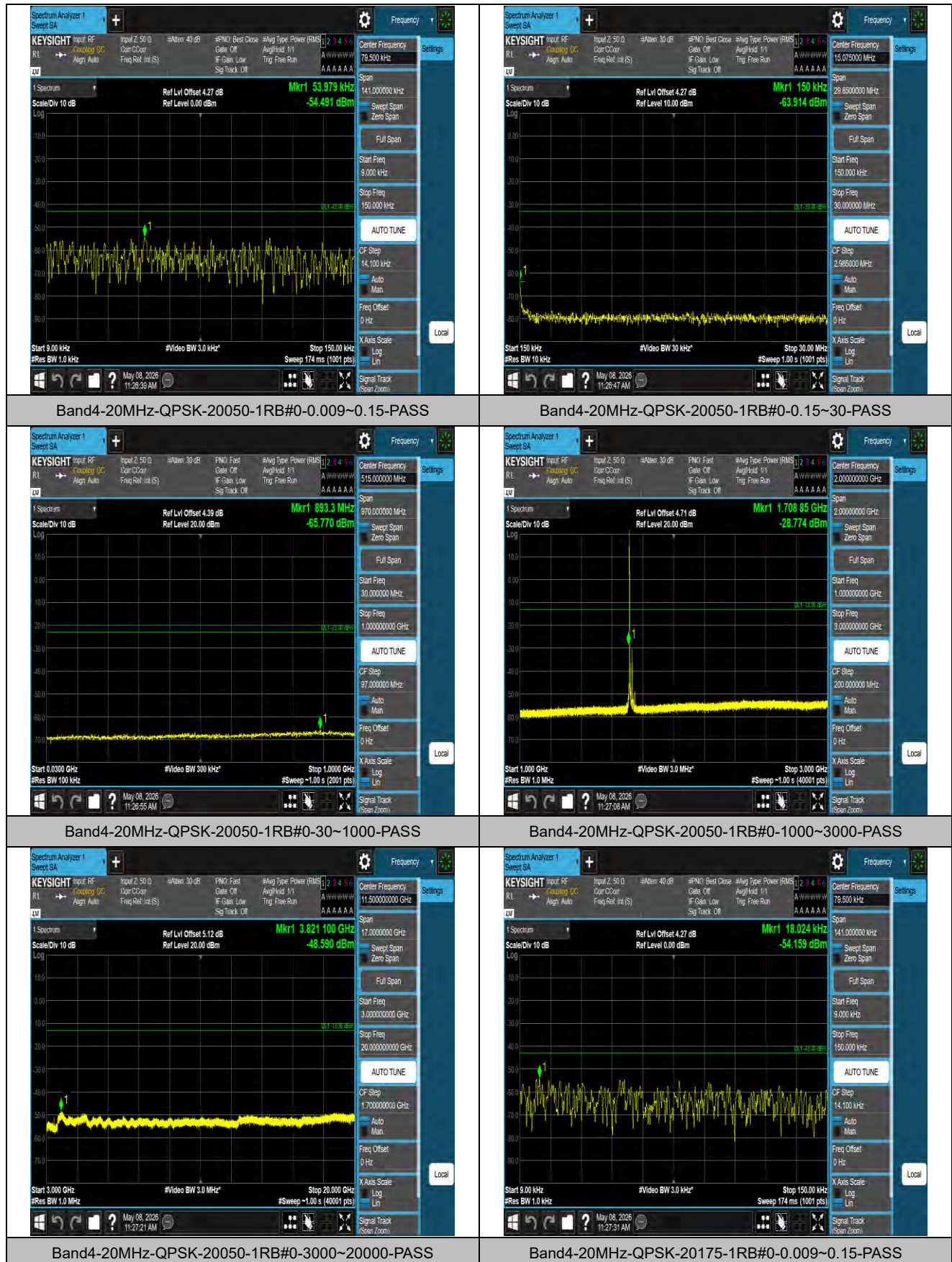
Band4-20MHz-QPSK-20300-1RB#99-PASS

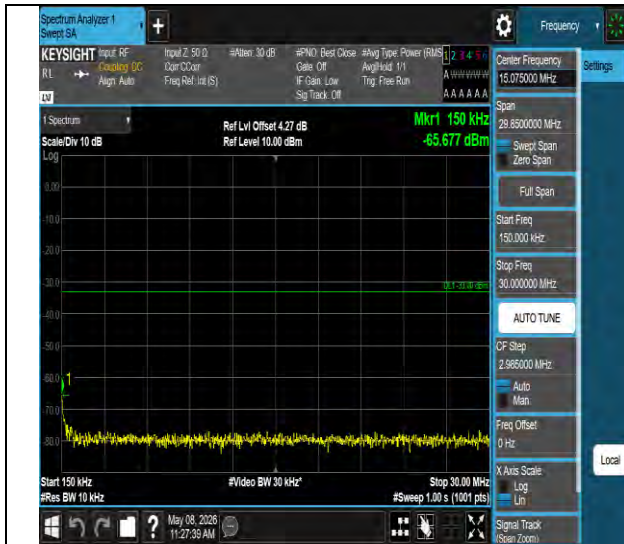


Band4-20MHz-QPSK-20300-100RB#0-PASS

# Conducted Spurious Emission

## Test Graphs

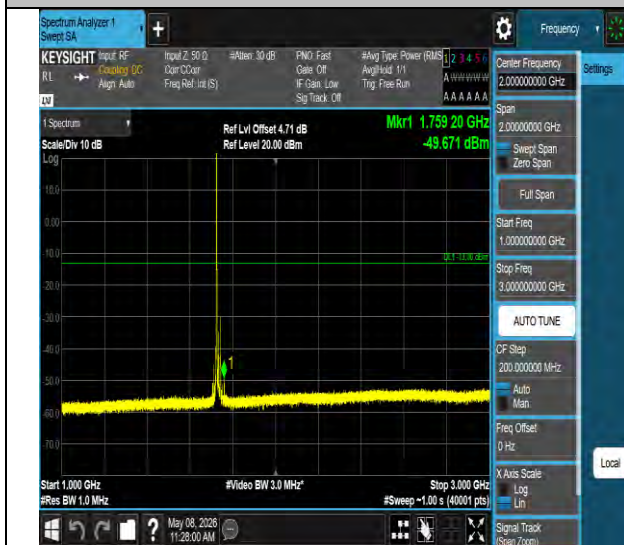




Band4-20MHz-QPSK-20175-1RB#0-0.15~30-PASS



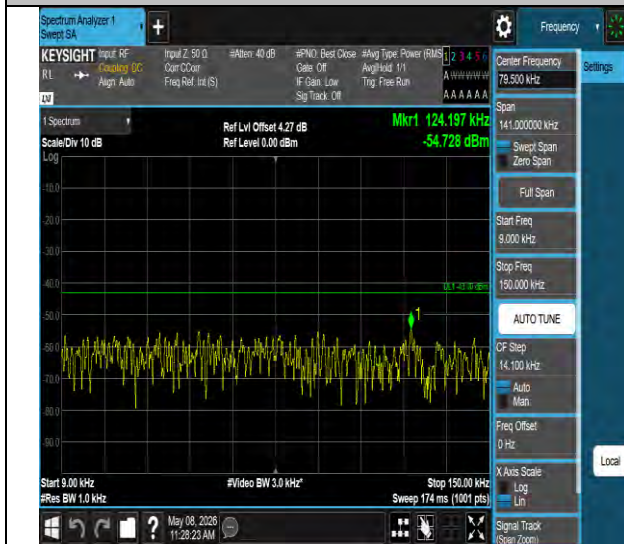
Band4-20MHz-QPSK-20175-1RB#0-30~1000-PASS



Band4-20MHz-QPSK-20175-1RB#0-1000~3000-PASS



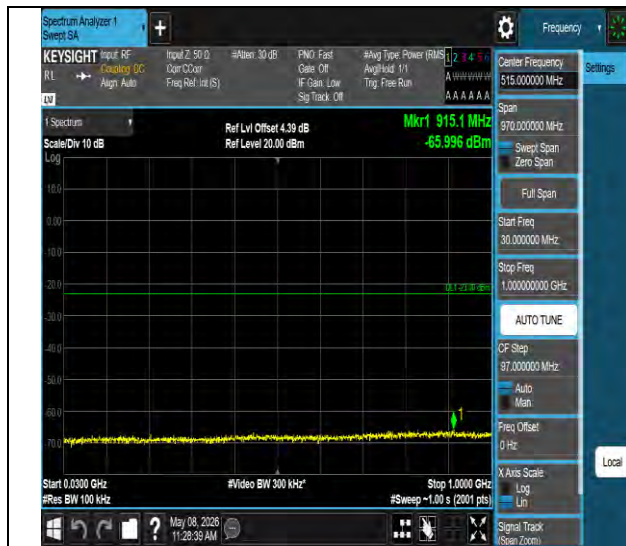
Band4-20MHz-QPSK-20175-1RB#0-3000~20000-PASS



Band4-20MHz-QPSK-20300-1RB#0-0.009~0.15-PASS



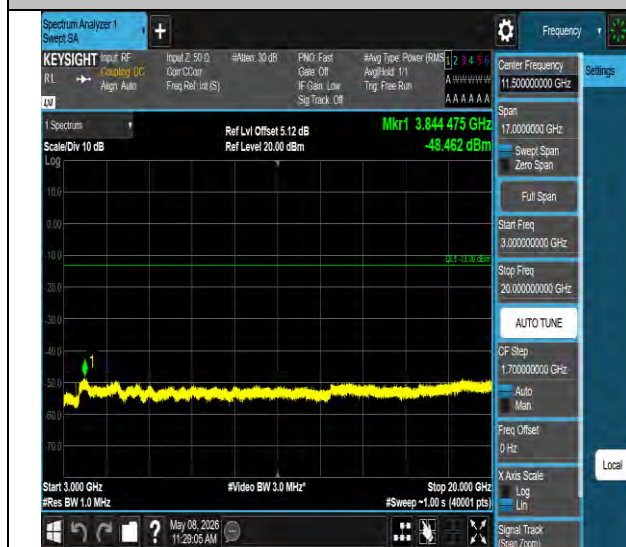
Band4-20MHz-QPSK-20300-1RB#0-0.15~30-PASS



Band4-20MHz-QPSK-20300-1RB#0-30~1000-PASS



Band4-20MHz-QPSK-20300-1RB#0-1000~3000-PASS



Band4-20MHz-QPSK-20300-1RB#0-3000~20000-PASS

## Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band4   | 20MHz     | QPSK       | 20175   | 100RB#0      | VN            | NT               | -4.08          | -0.002355       | PASS    |
| Band4   | 20MHz     | QPSK       | 20175   | 100RB#0      | VL            | NT               | -5.88          | -0.003394       | PASS    |
| Band4   | 20MHz     | QPSK       | 20175   | 100RB#0      | VH            | NT               | -4.23          | -0.002442       | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
| Band4       | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | -30              | -25.68         | -0.014823       | PASS    |
| Band4       | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | -20              | 8.70           | 0.005022        | PASS    |
| Band4       | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | -10              | 3.73           | 0.002153        | PASS    |
| Band4       | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 0                | 8.45           | 0.004877        | PASS    |
| Band4       | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 10               | -3.73          | -0.002153       | PASS    |
| Band4       | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 20               | -3.72          | -0.002147       | PASS    |
| Band4       | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 30               | 6.25           | 0.003608        | PASS    |
| Band4       | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 40               | -5.49          | -0.003169       | PASS    |
| Band4       | 20MHz     | QPSK       | 20175   | 100RB#0      | NV            | 50               | -4.36          | -0.002517       | PASS    |

~The End~