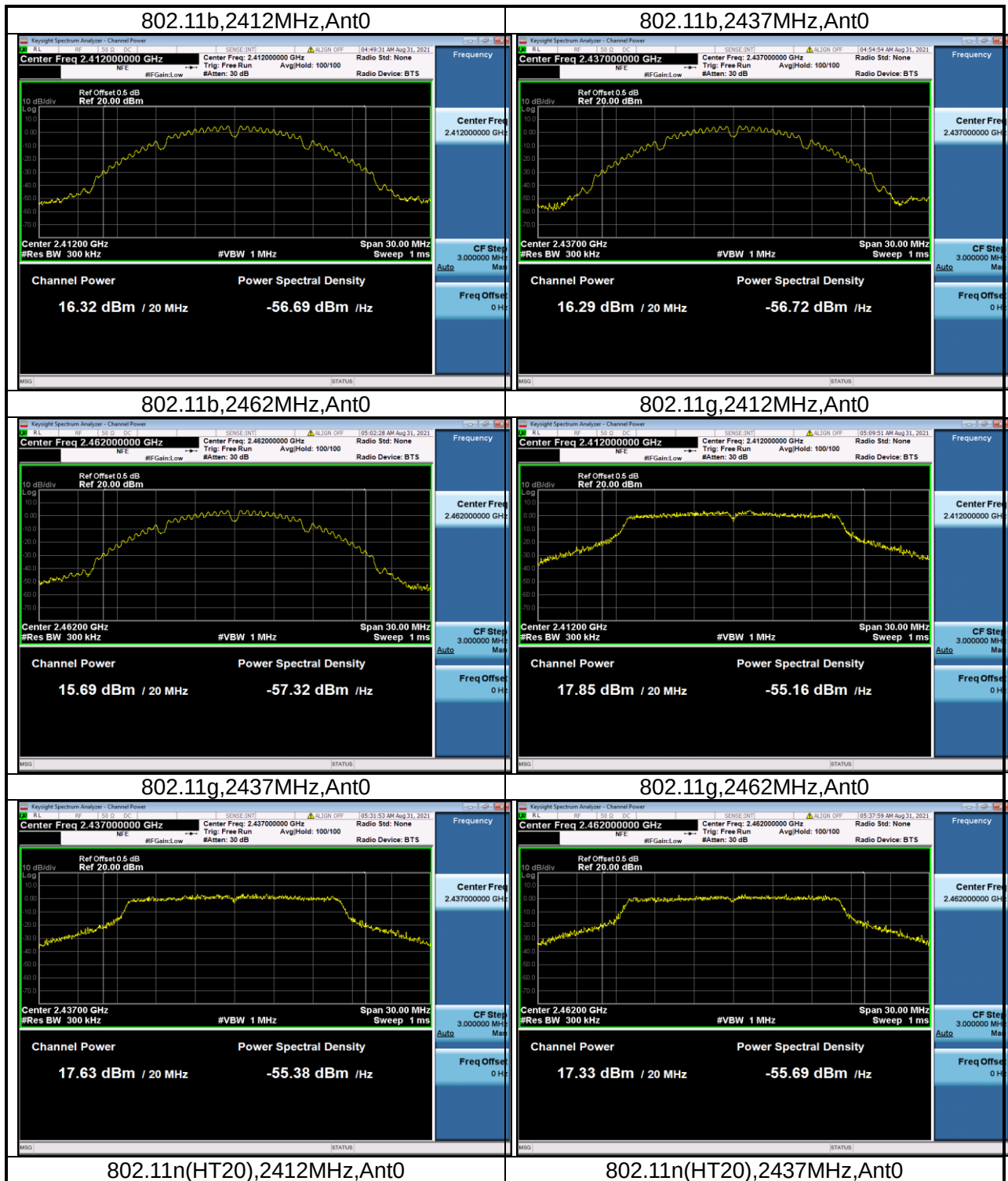
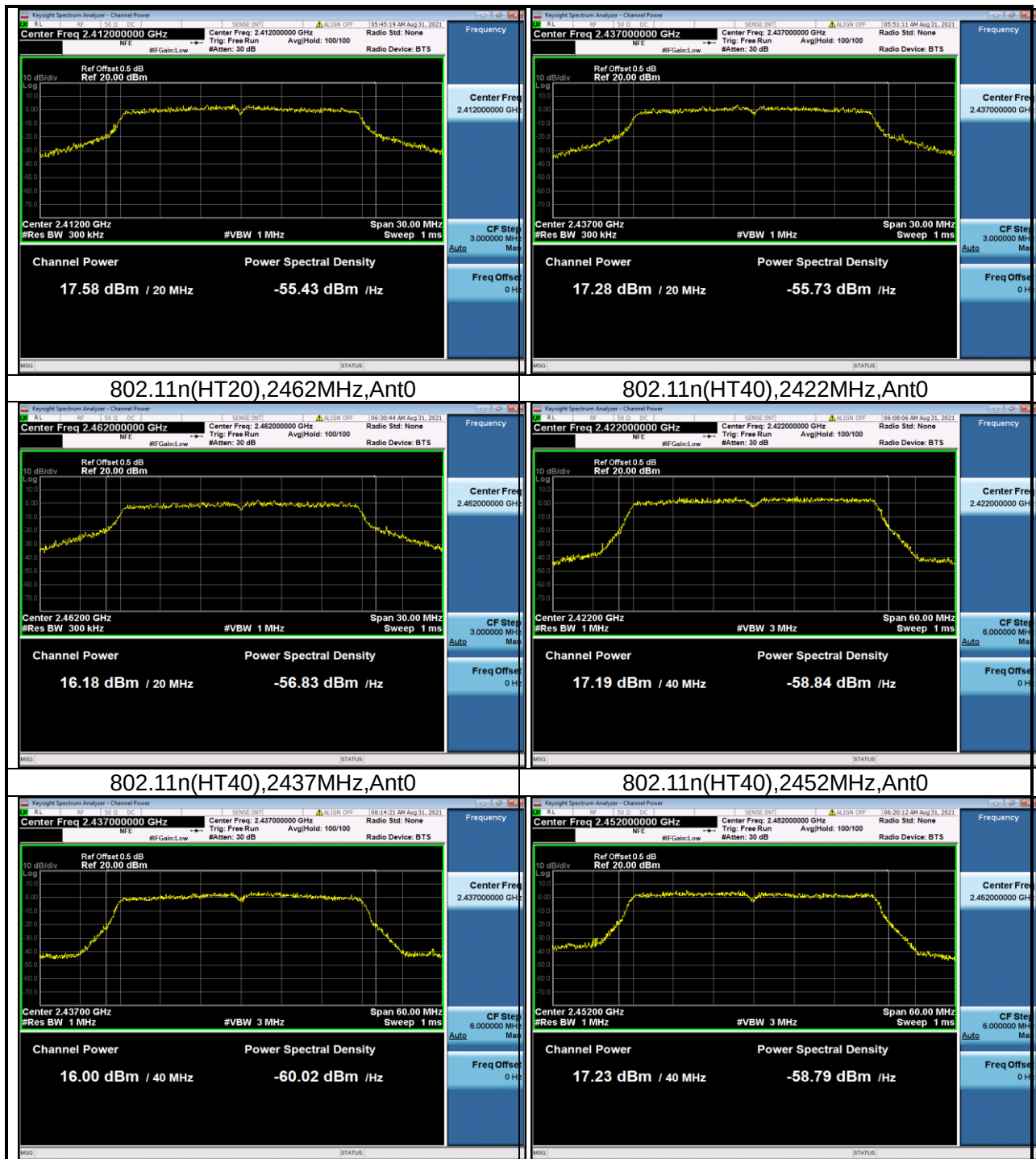


## 4.2 Test Plots



# TEST REPORT



## TEST REPORT

### 5. Power spectrum density

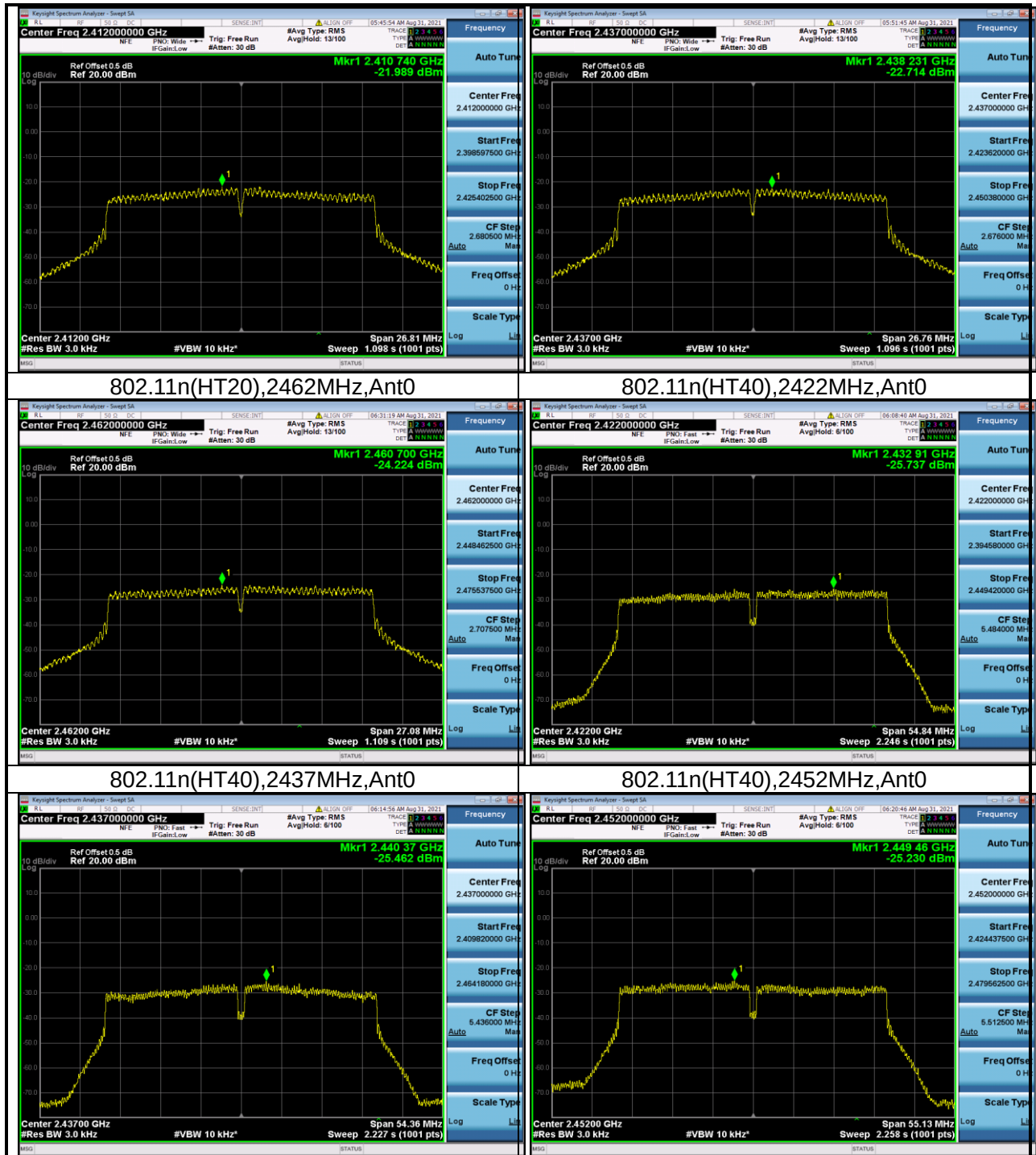
#### 5.1 Test Data

| WLAN AVGSA Power Spectral Density |                      |      |                        |           |           |             |        |
|-----------------------------------|----------------------|------|------------------------|-----------|-----------|-------------|--------|
| Mode                              | Test Frequency (MHz) | Ant  | Duty Cycle Factor (dB) | PSD (dBm) | RBW (kHz) | Limit (dBm) | Result |
| 802.11b                           | 2412                 | Ant0 | 0.00                   | -18.967   | 3         | 8           | Pass   |
| 802.11b                           | 2437                 | Ant0 | 0.00                   | -18.655   | 3         | 8           | Pass   |
| 802.11b                           | 2462                 | Ant0 | 0.00                   | -19.238   | 3         | 8           | Pass   |
| 802.11g                           | 2412                 | Ant0 | 0.00                   | -21.135   | 3         | 8           | Pass   |
| 802.11g                           | 2437                 | Ant0 | 0.00                   | -21.646   | 3         | 8           | Pass   |
| 802.11g                           | 2462                 | Ant0 | 0.00                   | -21.591   | 3         | 8           | Pass   |
| 802.11n (HT20)                    | 2412                 | Ant0 | 0.10                   | -21.790   | 3         | 8           | Pass   |
| 802.11n (HT20)                    | 2437                 | Ant0 | 0.10                   | -22.613   | 3         | 8           | Pass   |
| 802.11n (HT20)                    | 2462                 | Ant0 | 0.10                   | -24.042   | 3         | 8           | Pass   |
| 802.11n (HT40)                    | 2422                 | Ant0 | 0.25                   | -25.616   | 3         | 8           | Pass   |
| 802.11n (HT40)                    | 2437                 | Ant0 | 0.25                   | -25.212   | 3         | 8           | Pass   |
| 802.11n (HT40)                    | 2452                 | Ant0 | 0.25                   | -24.980   | 3         | 8           | Pass   |

## 5.2 Test Plots



# TEST REPORT



## TEST REPORT

### 6. Emission outside the frequency band

#### 6.1 Test Data

| WLAN Transmitter Spurious Emission |                      |      |          |                   |                |        |
|------------------------------------|----------------------|------|----------|-------------------|----------------|--------|
| Mode                               | Test Frequency (MHz) | Ant  | Plot No. | Frequency Range   | Emission (dBm) | Result |
| 802.11b                            | 2412                 | Ant0 | 1        | Reference Level   | 4.45           | Pass   |
| 802.11b                            | 2412                 | Ant0 | 2        | Band Edge         | -47.82         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 3        | 30MHz~2310MHz     | -57.34         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 4        | 2500MHz~5000MHz   | -51.22         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 5        | 5000MHz~15000MHz  | -55.57         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 6        | 15000MHz~25000MHz | -52.86         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 1        | Reference Level   | 4.44           | Pass   |
| 802.11b                            | 2437                 | Ant0 | 2        | Band Edge         | -57.30         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 3        | 30MHz~2310MHz     | -57.36         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 4        | 2500MHz~5000MHz   | -52.54         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 5        | 5000MHz~15000MHz  | -55.40         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 6        | 15000MHz~25000MHz | -52.05         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 1        | Reference Level   | 3.78           | Pass   |
| 802.11b                            | 2462                 | Ant0 | 2        | Band Edge         | -58.10         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 3        | 30MHz~2310MHz     | -57.54         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 4        | 2500MHz~5000MHz   | -51.06         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 5        | 5000MHz~15000MHz  | -53.83         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 6        | 15000MHz~25000MHz | -53.34         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 1        | Reference Level   | 2.11           | Pass   |
| 802.11g                            | 2412                 | Ant0 | 2        | Band Edge         | -29.44         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 3        | 30MHz~2310MHz     | -57.39         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 4        | 2500MHz~5000MHz   | -54.02         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 5        | 5000MHz~15000MHz  | -55.39         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 6        | 15000MHz~25000MHz | -53.08         | Pass   |
| 802.11g                            | 2437                 | Ant0 | 1        | Reference Level   | 2.70           | Pass   |
| 802.11g                            | 2437                 | Ant0 | 2        | Band Edge         | -56.91         | Pass   |

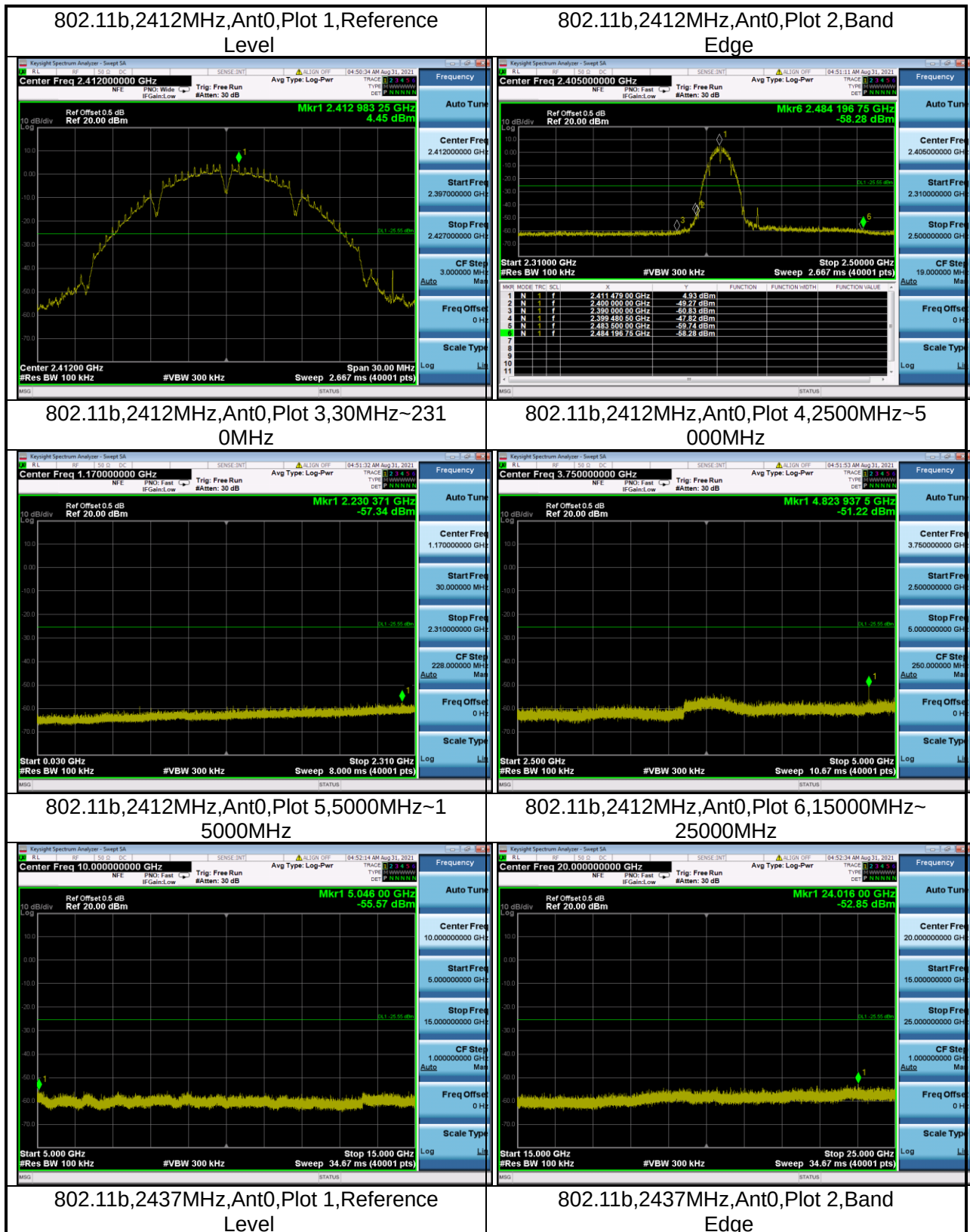
# TEST REPORT

|                   |      |      |   |                   |        |      |
|-------------------|------|------|---|-------------------|--------|------|
| 802.11g           | 2437 | Ant0 | 3 | 30MHz~2310MHz     | -57.08 | Pass |
| 802.11g           | 2437 | Ant0 | 4 | 2500MHz~5000MHz   | -53.29 | Pass |
| 802.11g           | 2437 | Ant0 | 5 | 5000MHz~15000MHz  | -55.85 | Pass |
| 802.11g           | 2437 | Ant0 | 6 | 15000MHz~25000MHz | -52.94 | Pass |
| 802.11g           | 2462 | Ant0 | 1 | Reference Level   | 1.77   | Pass |
| 802.11g           | 2462 | Ant0 | 2 | Band Edge         | -53.89 | Pass |
| 802.11g           | 2462 | Ant0 | 3 | 30MHz~2310MHz     | -57.29 | Pass |
| 802.11g           | 2462 | Ant0 | 4 | 2500MHz~5000MHz   | -53.84 | Pass |
| 802.11g           | 2462 | Ant0 | 5 | 5000MHz~15000MHz  | -55.27 | Pass |
| 802.11g           | 2462 | Ant0 | 6 | 15000MHz~25000MHz | -52.64 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 1 | Reference Level   | 3.00   | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 2 | Band Edge         | -28.14 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 3 | 30MHz~2310MHz     | -57.18 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 4 | 2500MHz~5000MHz   | -54.57 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 5 | 5000MHz~15000MHz  | -54.81 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 6 | 15000MHz~25000MHz | -52.97 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 1 | Reference Level   | 2.33   | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 2 | Band Edge         | -56.17 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 3 | 30MHz~2310MHz     | -57.37 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 4 | 2500MHz~5000MHz   | -53.85 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 5 | 5000MHz~15000MHz  | -55.86 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 6 | 15000MHz~25000MHz | -52.88 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 1 | Reference Level   | 0.37   | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 2 | Band Edge         | -55.20 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 3 | 30MHz~2310MHz     | -57.27 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 4 | 2500MHz~5000MHz   | -53.23 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 5 | 5000MHz~15000MHz  | -54.97 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 6 | 15000MHz~25000MHz | -53.31 | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 1 | Reference Level   | -1.09  | Pass |

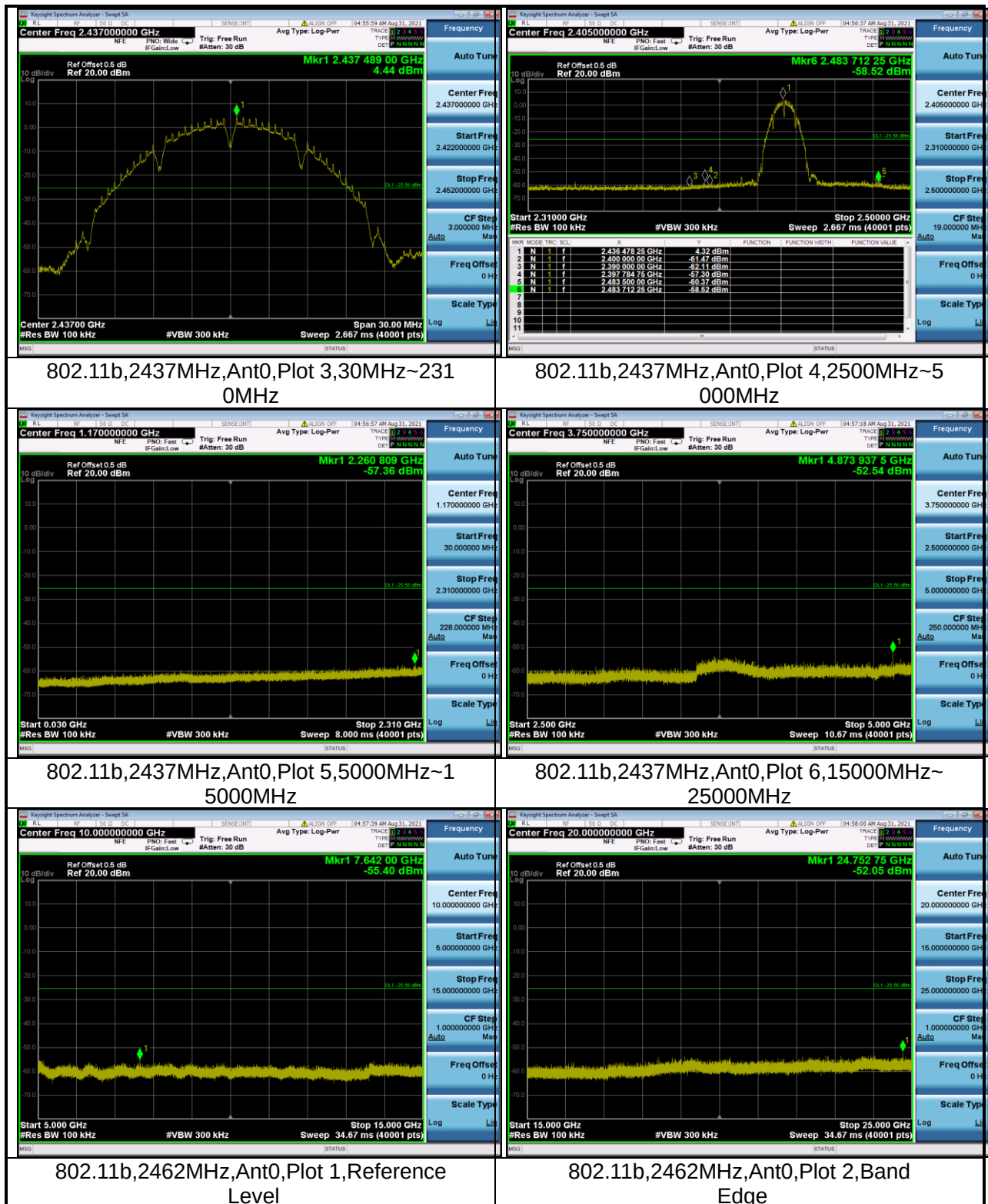
# TEST REPORT

|                   |      |      |   |                   |        |      |
|-------------------|------|------|---|-------------------|--------|------|
| 802.11n<br>(HT40) | 2422 | Ant0 | 2 | Band Edge         | -39.80 | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 3 | 30MHz~2310MHz     | -56.86 | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 4 | 2500MHz~5000MHz   | -53.53 | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 5 | 5000MHz~15000MHz  | -54.97 | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 6 | 15000MHz~25000MHz | -52.89 | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 1 | Reference Level   | -1.28  | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 2 | Band Edge         | -48.07 | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 3 | 30MHz~2310MHz     | -57.54 | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 4 | 2500MHz~5000MHz   | -53.68 | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 5 | 5000MHz~15000MHz  | -54.26 | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 6 | 15000MHz~25000MHz | -52.63 | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 1 | Reference Level   | -1.24  | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 2 | Band Edge         | -52.15 | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 3 | 30MHz~2310MHz     | -56.66 | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 4 | 2500MHz~5000MHz   | -54.24 | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 5 | 5000MHz~15000MHz  | -55.14 | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 6 | 15000MHz~25000MHz | -52.54 | Pass |

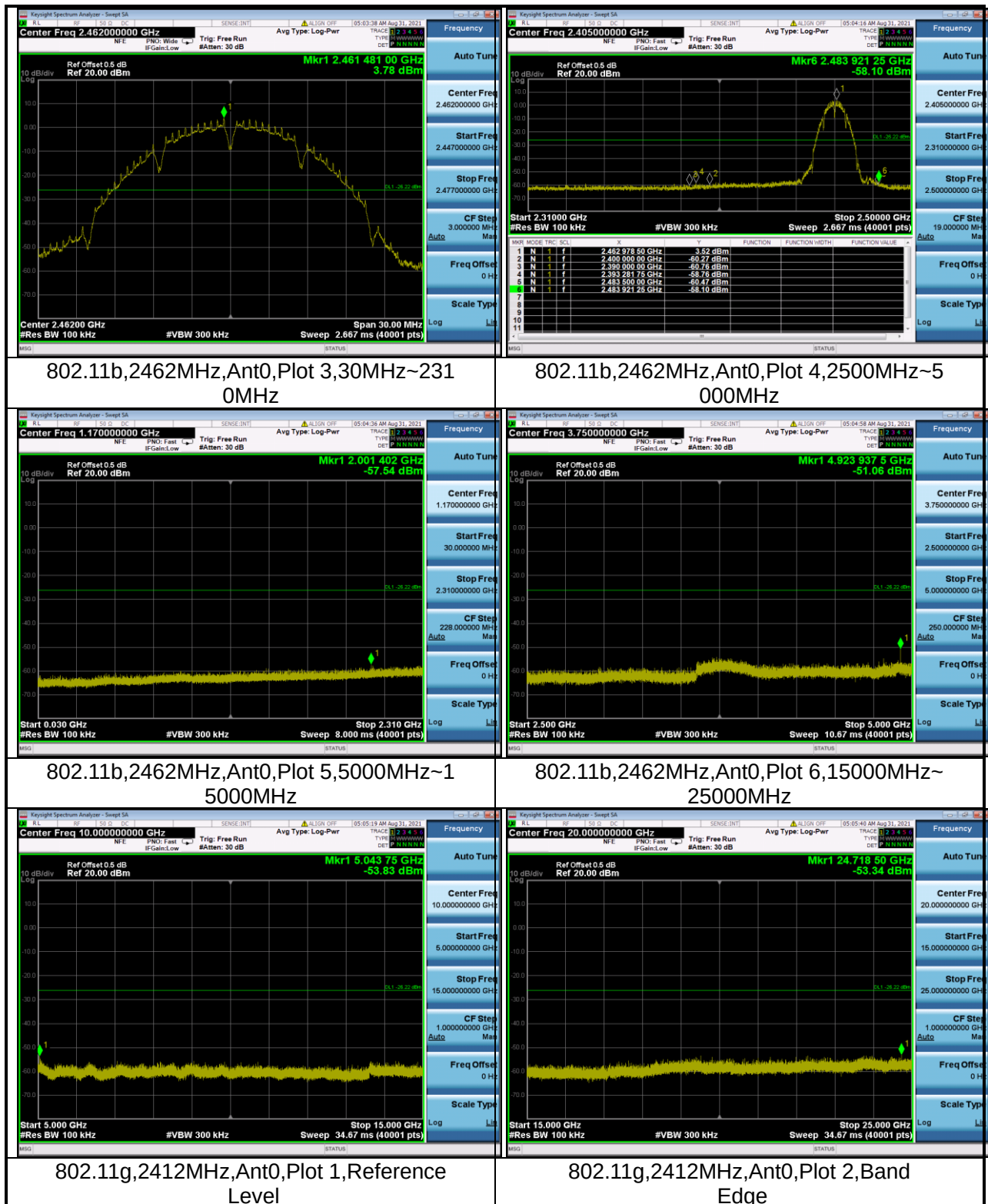
## 9.2 Test Plots



# TEST REPORT



# TEST REPORT



TEST REPORT

