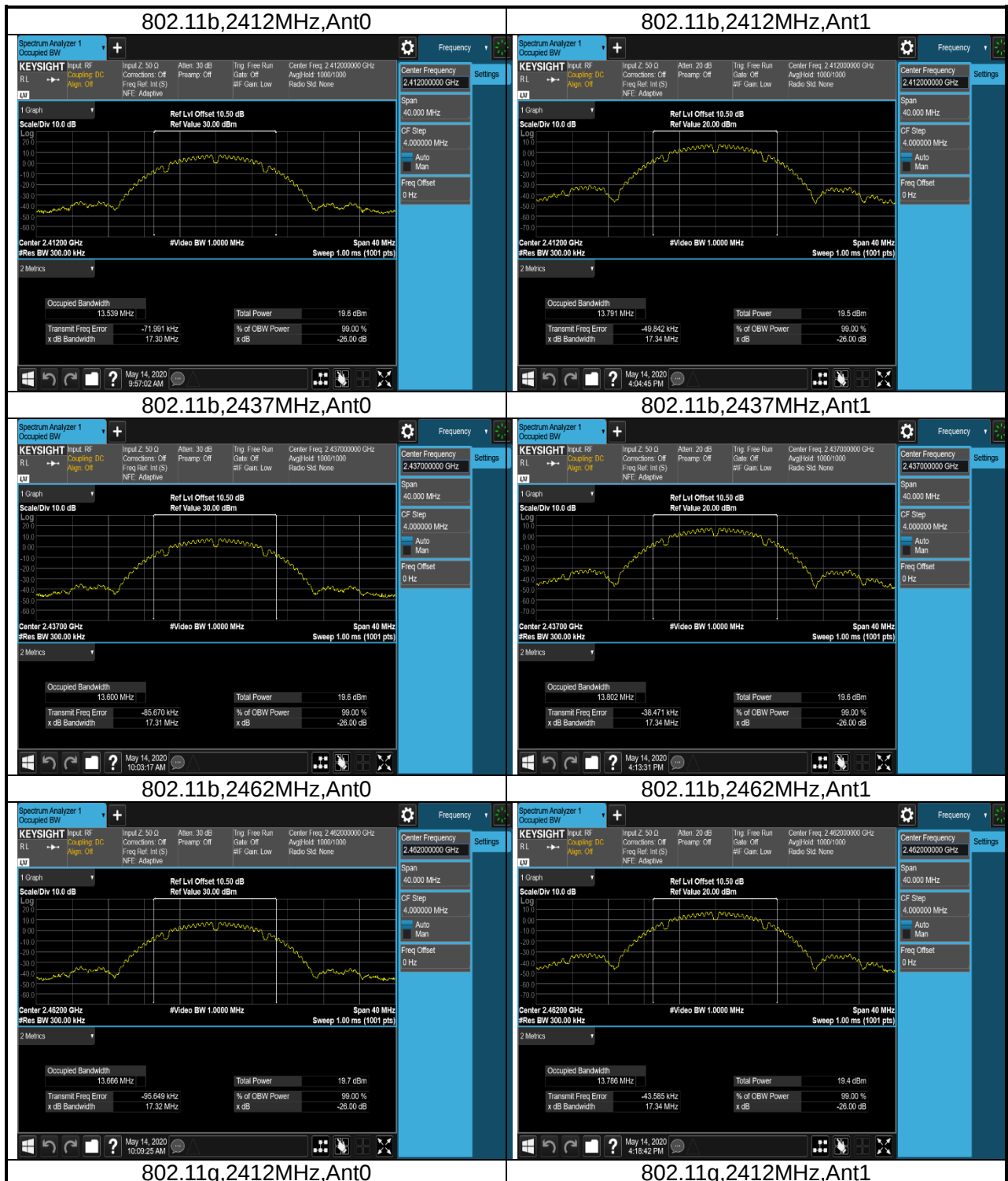
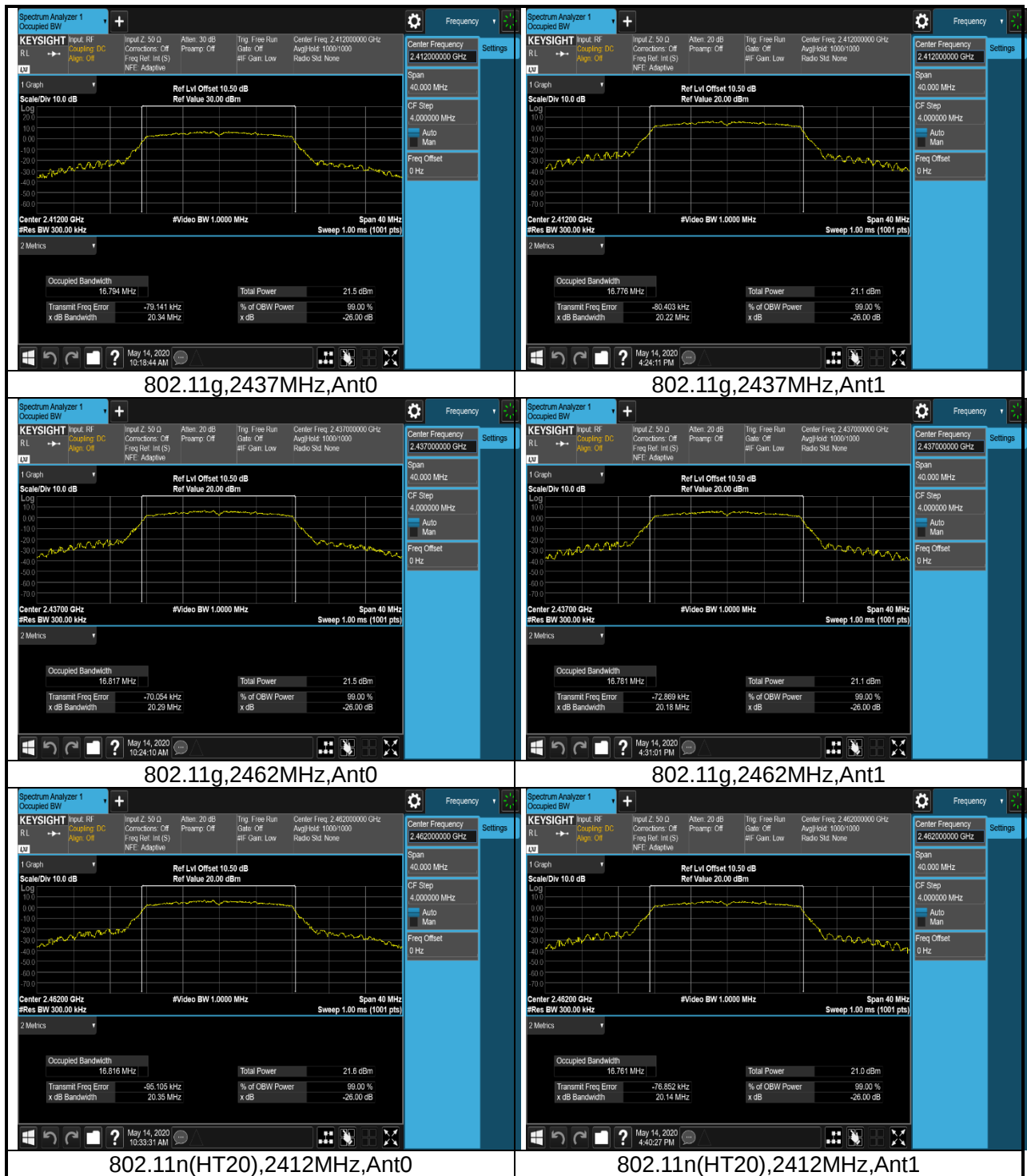


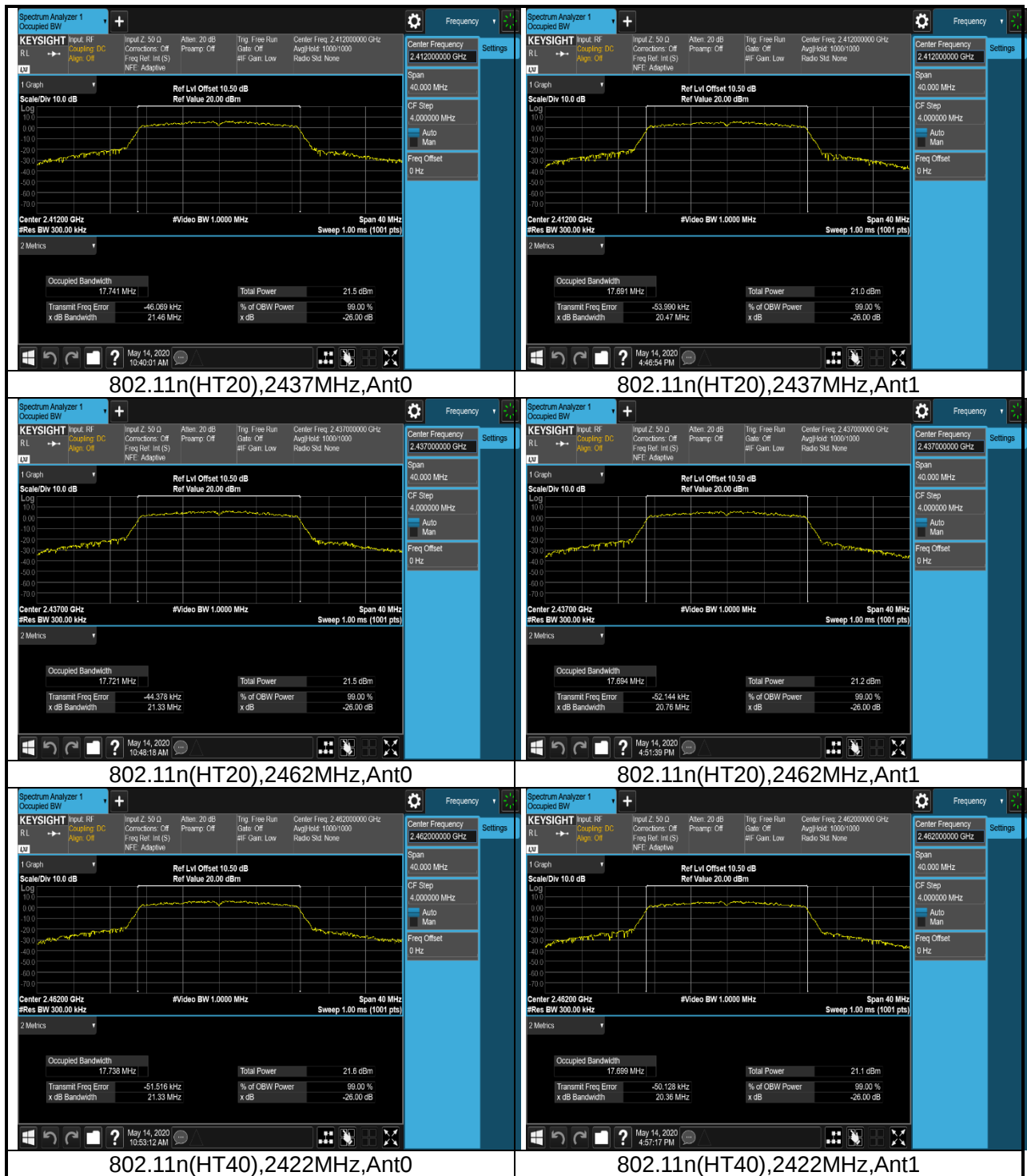
### 3.2 Test Plots



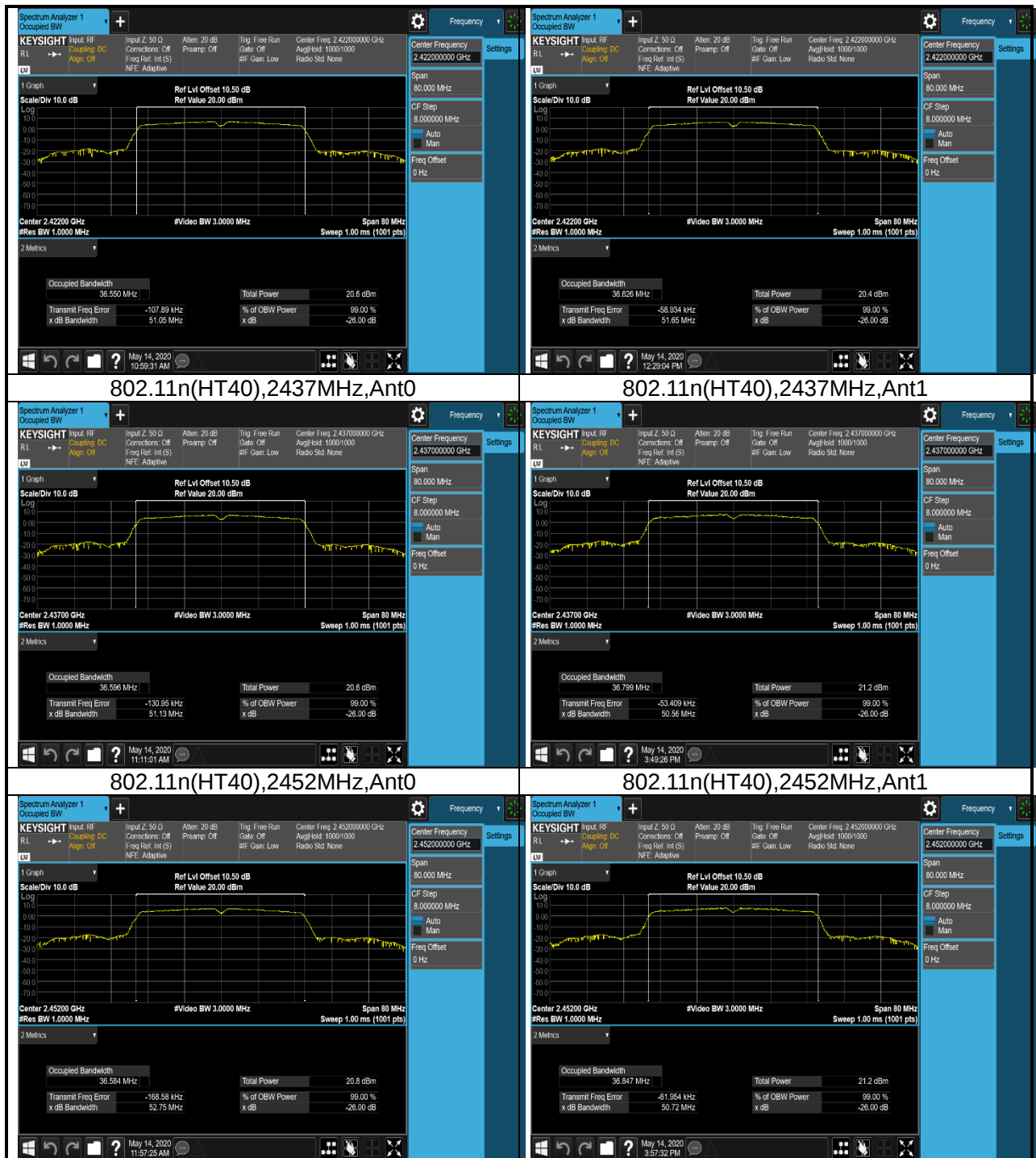
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### 4. Maximum conducted output power and e.i.r.p

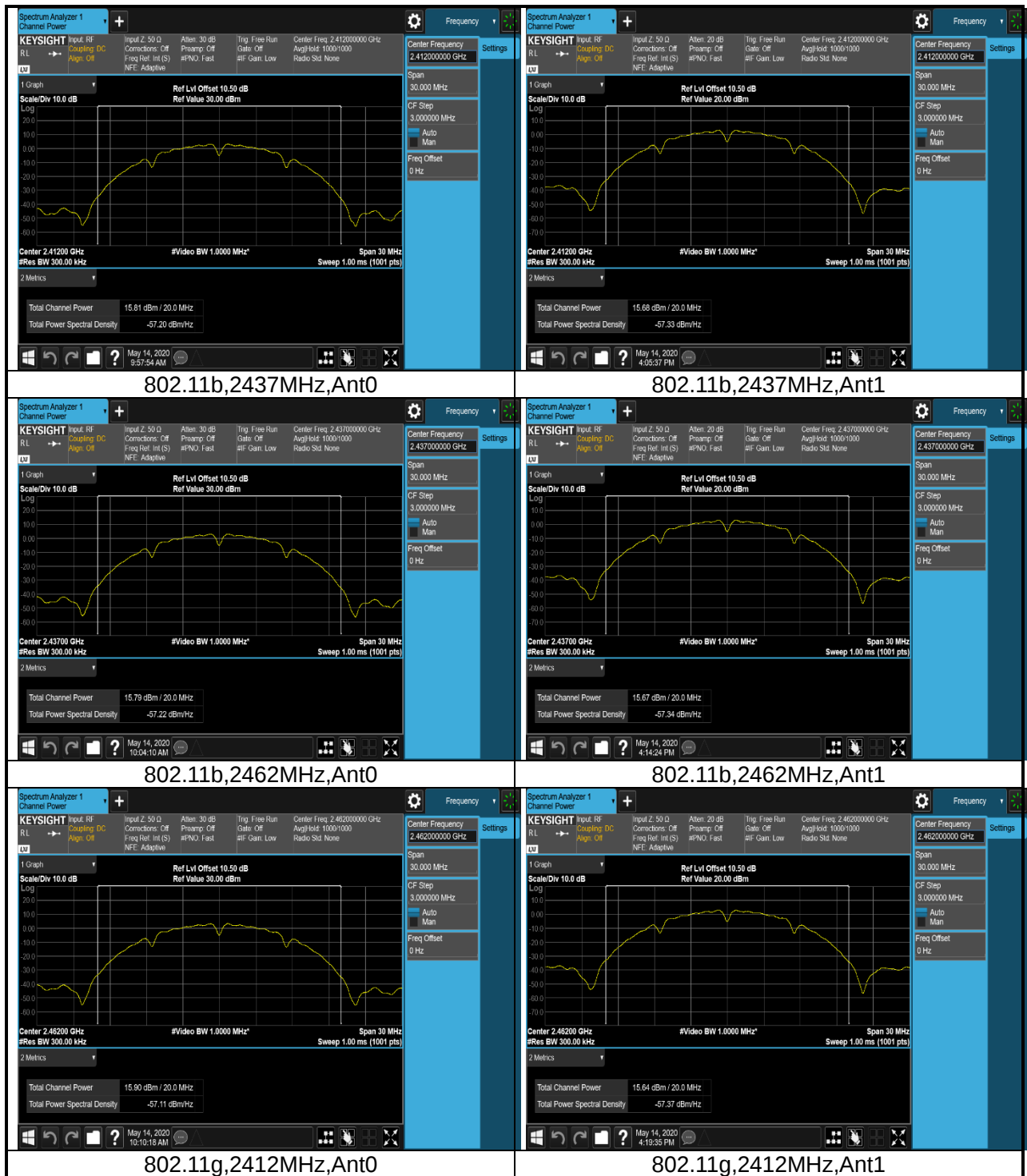
#### 4.1 Test Data

| WLAN AVGSA Output Power |                      |      |                        |                 |                   |                       |            |        |
|-------------------------|----------------------|------|------------------------|-----------------|-------------------|-----------------------|------------|--------|
| Mode                    | Test Frequency (MHz) | Ant  | Duty Cycle Factor (dB) | Max Power (dBm) | Total Power (dBm) | FCC Power Limit (dBm) | EIRP (dBm) | Result |
| 802.11b                 | 2412                 | Ant0 | 0.00                   | 15.81           | 15.81             | 30                    | 16.81      | Pass   |
| 802.11b                 | 2412                 | Ant1 | 0.00                   | 15.68           | 15.68             | 30                    | 16.38      | Pass   |
| 802.11b                 | 2437                 | Ant0 | 0.00                   | 15.79           | 15.79             | 30                    | 16.79      | Pass   |
| 802.11b                 | 2437                 | Ant1 | 0.00                   | 15.67           | 15.67             | 30                    | 16.37      | Pass   |
| 802.11b                 | 2462                 | Ant0 | 0.00                   | 15.90           | 15.90             | 30                    | 16.90      | Pass   |
| 802.11b                 | 2462                 | Ant1 | 0.00                   | 15.64           | 15.64             | 30                    | 16.34      | Pass   |
| 802.11g                 | 2412                 | Ant0 | 0.11                   | 14.88           | 14.88             | 30                    | 15.88      | Pass   |
| 802.11g                 | 2412                 | Ant1 | 0.11                   | 14.53           | 14.53             | 30                    | 15.23      | Pass   |
| 802.11g                 | 2437                 | Ant0 | 0.11                   | 14.90           | 14.90             | 30                    | 15.90      | Pass   |
| 802.11g                 | 2437                 | Ant1 | 0.10                   | 14.50           | 14.50             | 30                    | 15.20      | Pass   |
| 802.11g                 | 2462                 | Ant0 | 0.11                   | 14.95           | 14.95             | 30                    | 15.95      | Pass   |
| 802.11g                 | 2462                 | Ant1 | 0.11                   | 14.44           | 14.44             | 30                    | 15.14      | Pass   |
| 802.11n (HT20)          | 2412                 | Ant0 | 0.11                   | 14.69           | 17.47             | 30                    | 18.32      | Pass   |
| 802.11n (HT20)          | 2412                 | Ant1 | 0.11                   | 14.22           |                   |                       |            |        |
| 802.11n (HT20)          | 2437                 | Ant0 | 0.12                   | 14.74           | 17.58             | 30                    | 18.43      | Pass   |
| 802.11n (HT20)          | 2437                 | Ant1 | 0.12                   | 14.39           |                   |                       |            |        |
| 802.11n (HT20)          | 2462                 | Ant0 | 0.12                   | 14.78           | 17.55             | 30                    | 18.40      | Pass   |
| 802.11n (HT20)          | 2462                 | Ant1 | 0.11                   | 14.29           |                   |                       |            |        |
| 802.11n (HT40)          | 2422                 | Ant0 | 0.23                   | 12.78           | 15.76             | 30                    | 16.61      | Pass   |
| 802.11n (HT40)          | 2422                 | Ant1 | 0.22                   | 12.71           |                   |                       |            |        |
| 802.11n (HT40)          | 2437                 | Ant0 | 0.22                   | 12.76           | 15.83             | 30                    | 16.68      | Pass   |
| 802.11n (HT40)          | 2437                 | Ant1 | 0.23                   | 12.88           |                   |                       |            |        |
| 802.11n (HT40)          | 2452                 | Ant0 | 0.22                   | 12.89           | 15.91             | 30                    | 16.76      | Pass   |
| 802.11n (HT40)          | 2452                 | Ant1 | 0.22                   | 12.91           |                   |                       |            |        |

#### 4.2 Test Plots

|                      |                      |
|----------------------|----------------------|
| 802.11b,2412MHz,Ant0 | 802.11b,2412MHz,Ant1 |
|----------------------|----------------------|

# TEST REPORT



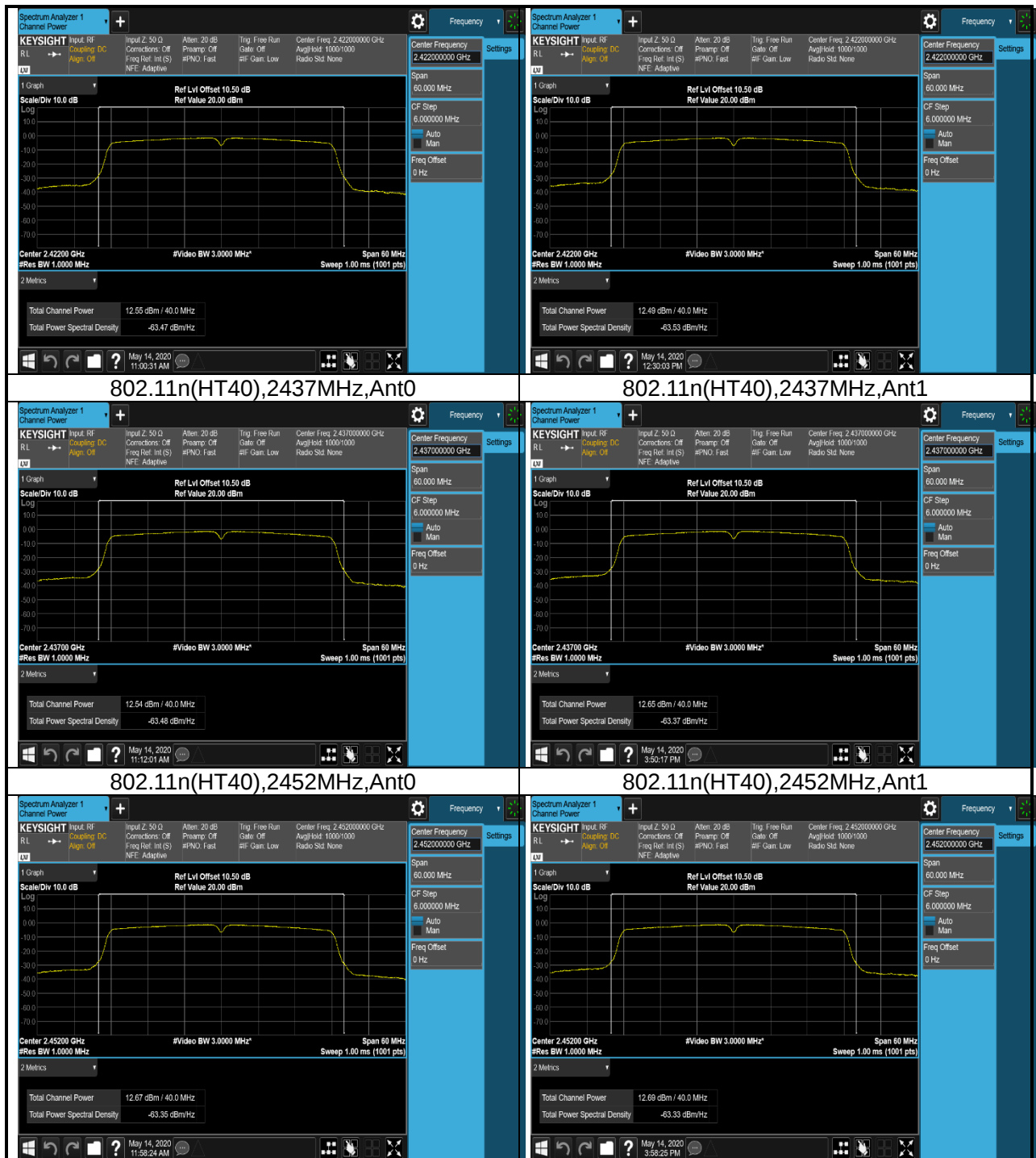
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# TEST REPORT

## 5. Power spectrum density

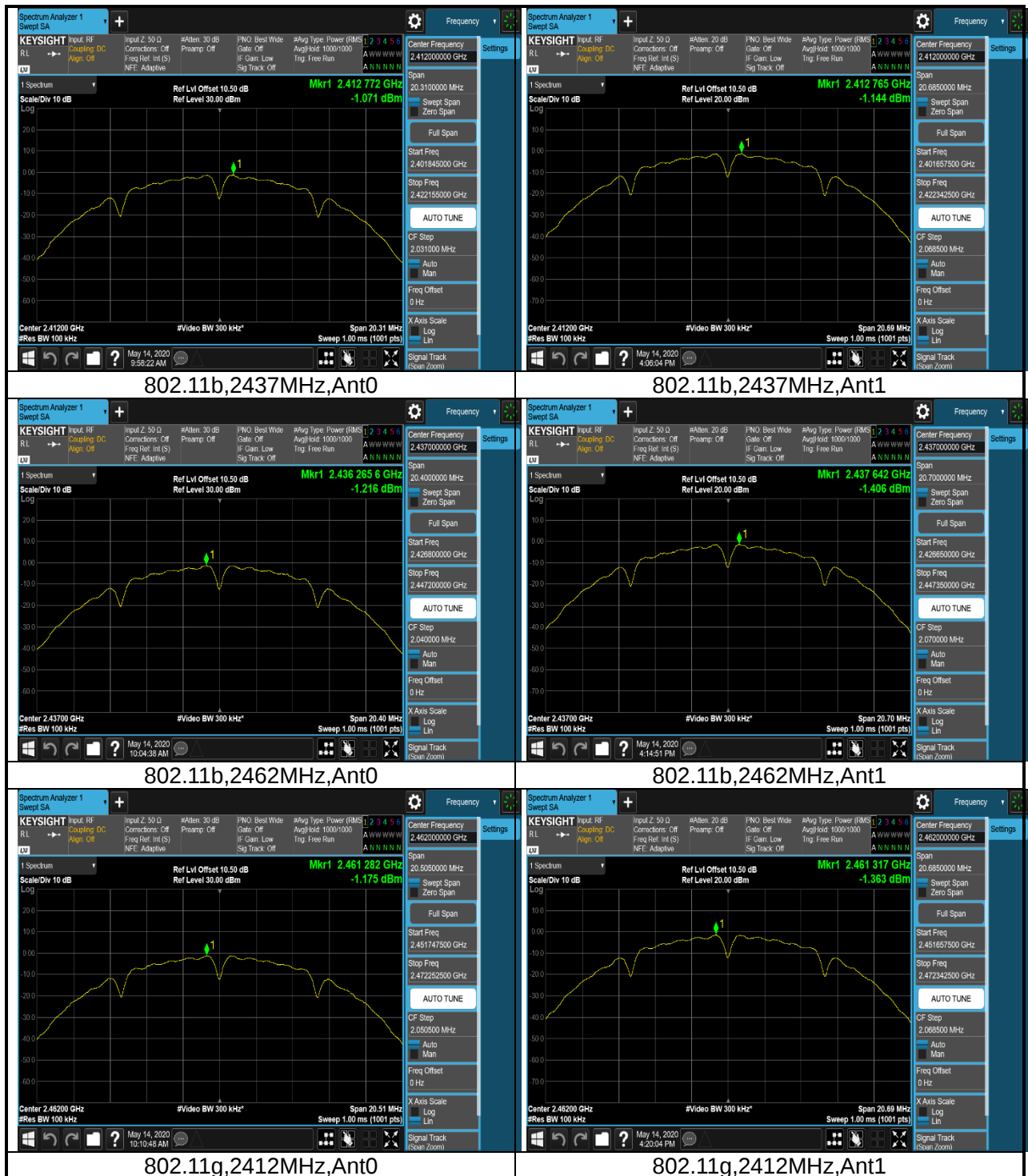
### 5.1 Test Data

| WLAN AVGSA Power Spectral Density |                      |      |                        |           |                 |           |                 |        |
|-----------------------------------|----------------------|------|------------------------|-----------|-----------------|-----------|-----------------|--------|
| Mode                              | Test Frequency (MHz) | Ant  | Duty Cycle Factor (dB) | PSD (dBm) | Total PSD (dBm) | RBW (kHz) | PSD Limit (dBm) | Result |
| 802.11b                           | 2412                 | Ant0 | 0.00                   | -1.071    | -1.071          | 100       | 8               | Pass   |
| 802.11b                           | 2412                 | Ant1 | 0.00                   | -1.144    | -1.144          | 100       | 8               | Pass   |
| 802.11b                           | 2437                 | Ant0 | 0.00                   | -1.216    | -1.216          | 100       | 8               | Pass   |
| 802.11b                           | 2437                 | Ant1 | 0.00                   | -1.406    | -1.406          | 100       | 8               | Pass   |
| 802.11b                           | 2462                 | Ant0 | 0.00                   | -1.175    | -1.175          | 100       | 8               | Pass   |
| 802.11b                           | 2462                 | Ant1 | 0.00                   | -1.363    | -1.363          | 100       | 8               | Pass   |
| 802.11g                           | 2412                 | Ant0 | 0.11                   | -4.259    | -4.259          | 100       | 8               | Pass   |
| 802.11g                           | 2412                 | Ant1 | 0.11                   | -4.741    | -4.741          | 100       | 8               | Pass   |
| 802.11g                           | 2437                 | Ant0 | 0.11                   | -4.293    | -4.293          | 100       | 8               | Pass   |
| 802.11g                           | 2437                 | Ant1 | 0.10                   | -4.654    | -4.654          | 100       | 8               | Pass   |
| 802.11g                           | 2462                 | Ant0 | 0.11                   | -4.128    | -4.128          | 100       | 8               | Pass   |
| 802.11g                           | 2462                 | Ant1 | 0.11                   | -4.737    | -4.737          | 100       | 8               | Pass   |
| 802.11n (HT20)                    | 2412                 | Ant0 | 0.11                   | -4.565    | -1.815          | 100       | 8               | Pass   |
| 802.11n (HT20)                    | 2412                 | Ant1 | 0.11                   | -5.102    |                 |           |                 |        |
| 802.11n (HT20)                    | 2437                 | Ant0 | 0.12                   | -4.487    | -1.688          | 100       | 8               | Pass   |
| 802.11n (HT20)                    | 2437                 | Ant1 | 0.12                   | -4.920    |                 |           |                 |        |
| 802.11n (HT20)                    | 2462                 | Ant0 | 0.12                   | -4.334    | -1.661          | 100       | 8               | Pass   |
| 802.11n (HT20)                    | 2462                 | Ant1 | 0.11                   | -5.036    |                 |           |                 |        |
| 802.11n (HT40)                    | 2422                 | Ant0 | 0.23                   | -9.533    | -6.776          | 100       | 8               | Pass   |
| 802.11n (HT40)                    | 2422                 | Ant1 | 0.22                   | -10.056   |                 |           |                 |        |
| 802.11n (HT40)                    | 2437                 | Ant0 | 0.22                   | -9.964    | -6.764          | 100       | 8               | Pass   |
| 802.11n (HT40)                    | 2437                 | Ant1 | 0.23                   | -9.593    |                 |           |                 |        |
| 802.11n (HT40)                    | 2452                 | Ant0 | 0.22                   | -9.490    | -6.532          | 100       | 8               | Pass   |
| 802.11n (HT40)                    | 2452                 | Ant1 | 0.22                   | -9.595    |                 |           |                 |        |

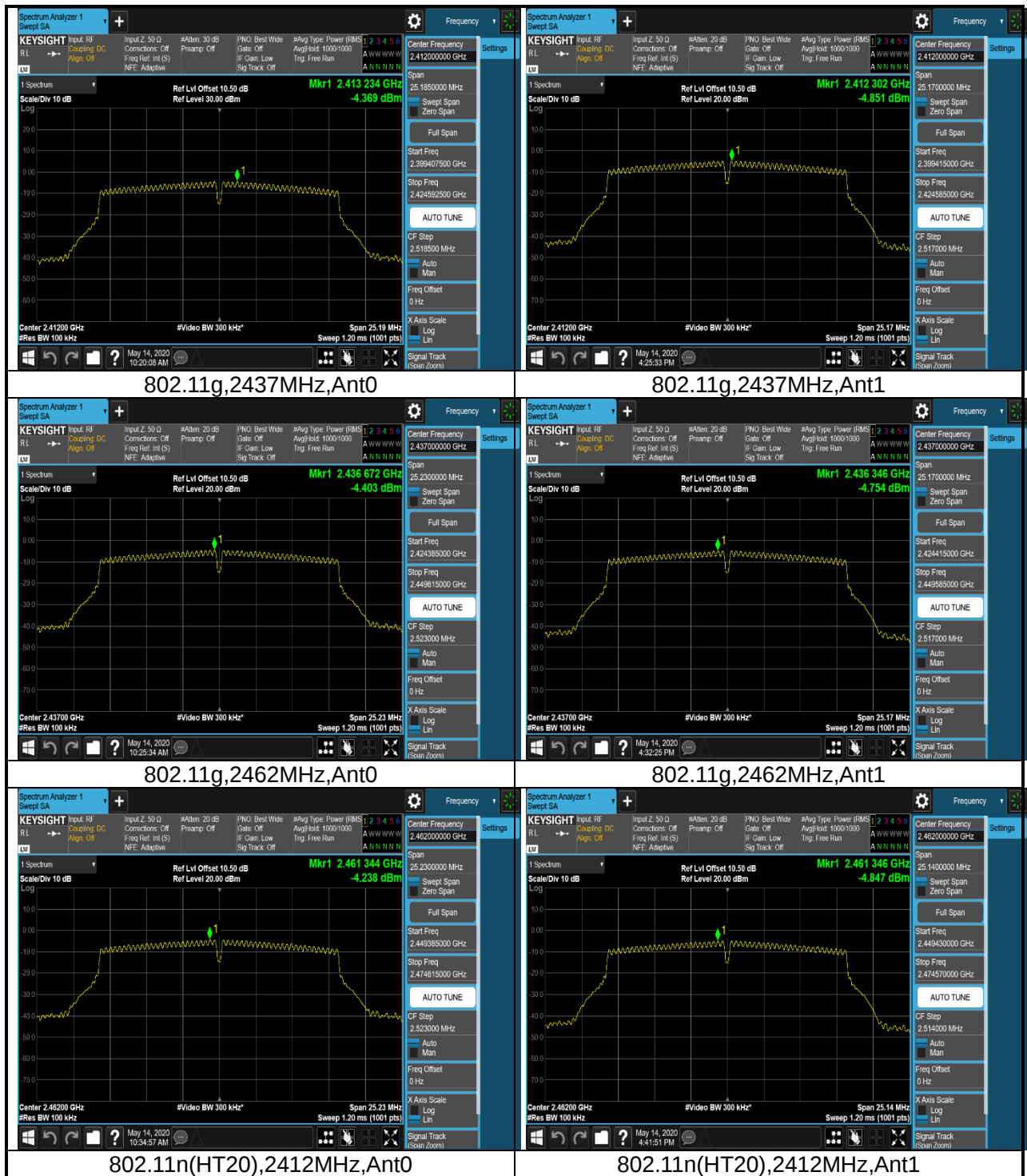
### 5.2 Test Plots

|                      |                      |
|----------------------|----------------------|
| 802.11b,2412MHz,Ant0 | 802.11b,2412MHz,Ant1 |
|----------------------|----------------------|

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