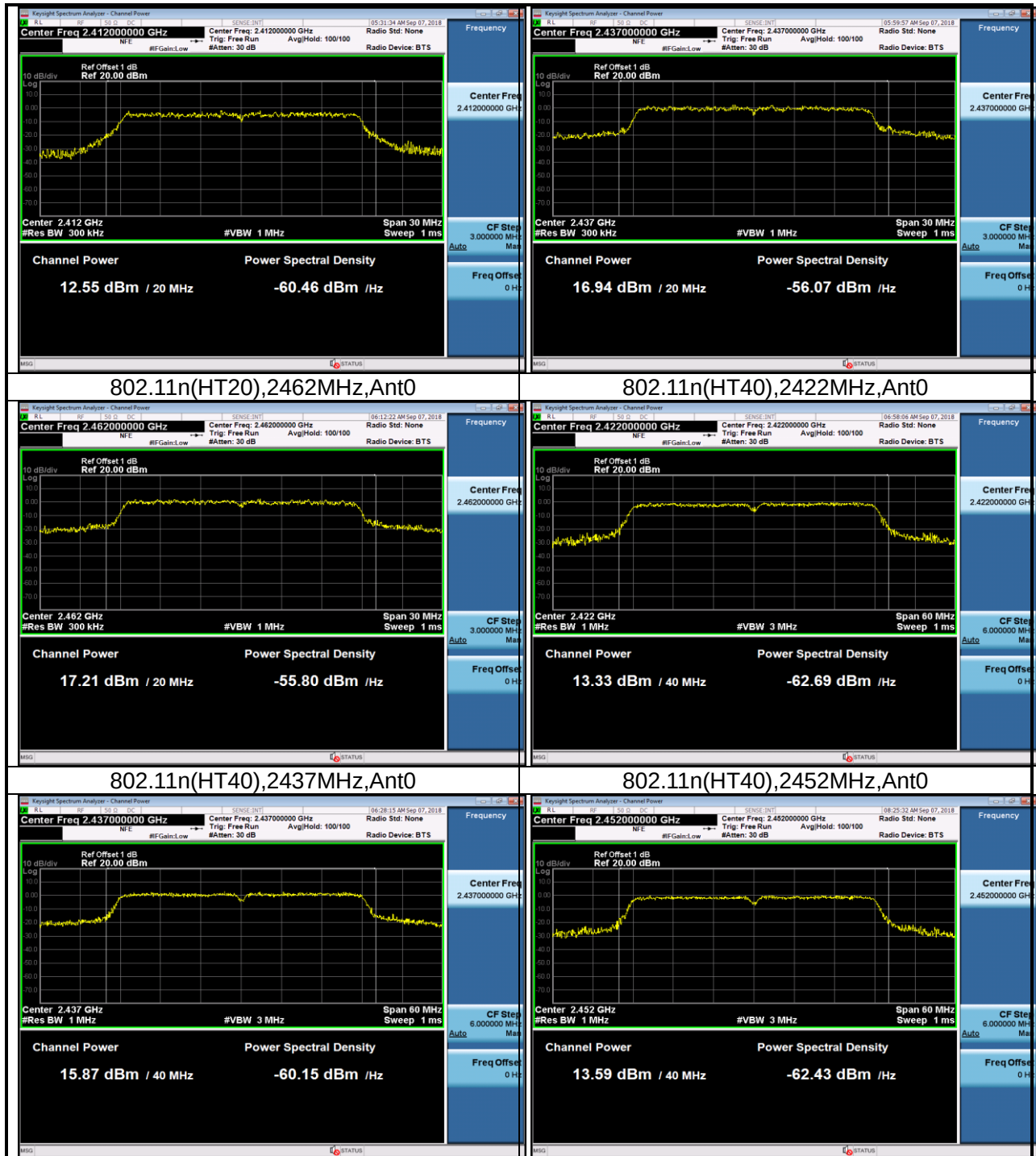




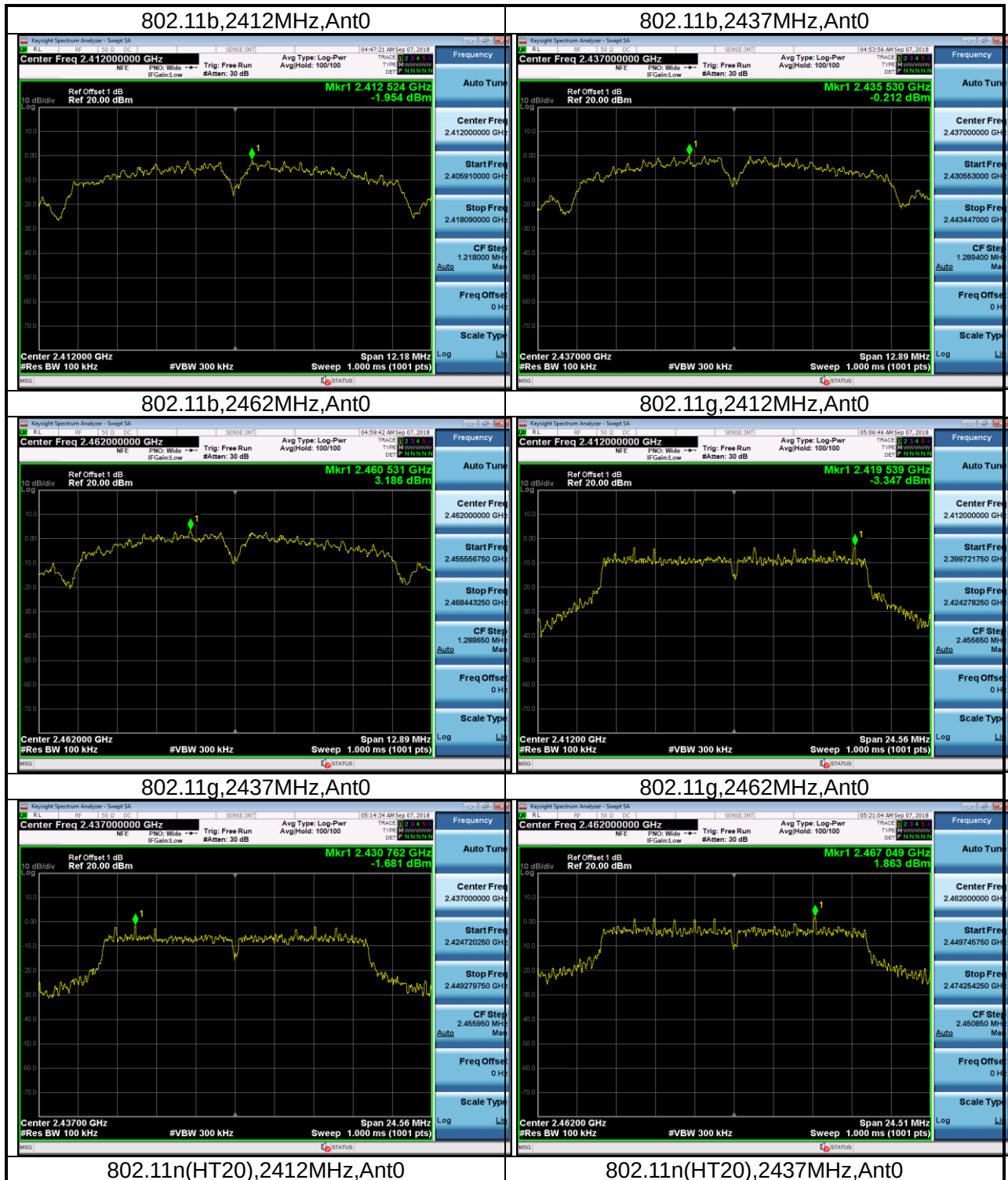
## TEST REPORT

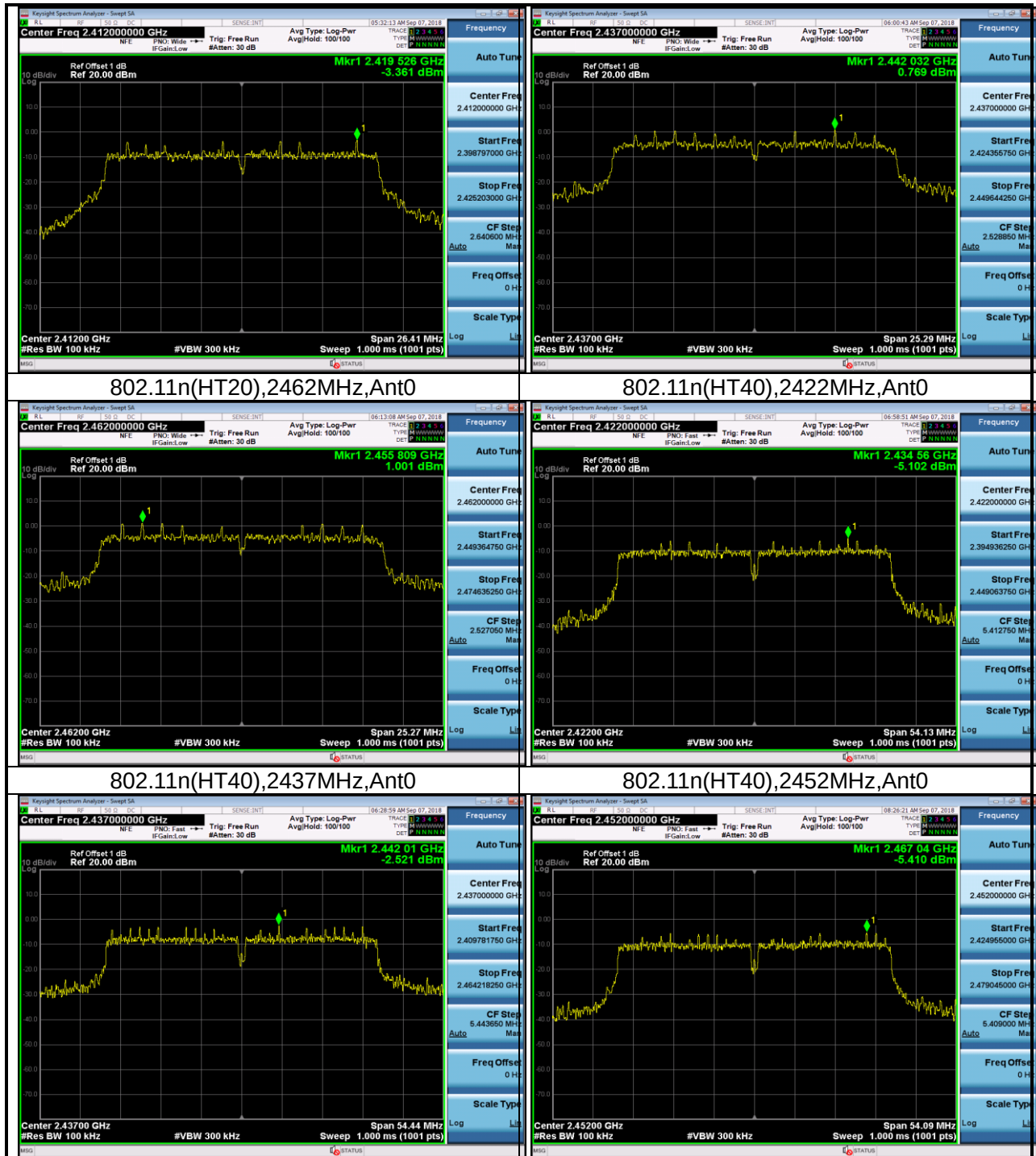
### 5. Power spectrum density

#### 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 | 3.16                   | 1.906     | 100       | 8           | Pass   |
| 802.11b                           | 2437                 | Ant0 | 3.16                   | 3.648     | 100       | 8           | Pass   |
| 802.11b                           | 2462                 | Ant0 | 3.08                   | 6.966     | 100       | 8           | Pass   |
| 802.11g                           | 2412                 | Ant0 | 3.16                   | 0.513     | 100       | 8           | Pass   |
| 802.11g                           | 2437                 | Ant0 | 3.19                   | 2.209     | 100       | 8           | Pass   |
| 802.11g                           | 2462                 | Ant0 | 3.12                   | 5.683     | 100       | 8           | Pass   |
| 802.11n (HT20)                    | 2412                 | Ant0 | 3.27                   | 0.609     | 100       | 8           | Pass   |
| 802.11n (HT20)                    | 2437                 | Ant0 | 0.58                   | 2.049     | 100       | 8           | Pass   |
| 802.11n (HT20)                    | 2462                 | Ant0 | 0.58                   | 2.281     | 100       | 8           | Pass   |
| 802.11n (HT40)                    | 2422                 | Ant0 | 0.63                   | -3.772    | 100       | 8           | Pass   |
| 802.11n (HT40)                    | 2437                 | Ant0 | 0.56                   | -1.261    | 100       | 8           | Pass   |
| 802.11n (HT40)                    | 2452                 | Ant0 | 0.55                   | -4.16     | 100       | 8           | Pass   |

## 5.2 Test Plots





## 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  | -1.74          | Pass   |
| 802.11b                            | 2412                 | Ant0 | 2        | Band Edge        | -50.38         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 3        | 30MHz~2310MHz    | -55.08         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 4        | 2500MHz~5000MHz  | -33.80         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 5        | 5000MHz~25000MHz | -43.54         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 1        | Reference Level  | 0.15           | Pass   |
| 802.11b                            | 2437                 | Ant0 | 2        | Band Edge        | -51.84         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 3        | 30MHz~2310MHz    | -53.52         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 4        | 2500MHz~5000MHz  | -29.34         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 5        | 5000MHz~25000MHz | -43.37         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 1        | Reference Level  | 3.15           | Pass   |
| 802.11b                            | 2462                 | Ant0 | 2        | Band Edge        | -40.24         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 3        | 30MHz~2310MHz    | -52.52         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 4        | 2500MHz~5000MHz  | -23.32         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 5        | 5000MHz~25000MHz | -42.28         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 1        | Reference Level  | -3.38          | Pass   |
| 802.11g                            | 2412                 | Ant0 | 2        | Band Edge        | -32.70         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 3        | 30MHz~2310MHz    | -55.32         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 4        | 2500MHz~5000MHz  | -38.91         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 5        | 5000MHz~25000MHz | -42.89         | Pass   |
| 802.11g                            | 2437                 | Ant0 | 1        | Reference Level  | -1.40          | Pass   |
| 802.11g                            | 2437                 | Ant0 | 2        | Band Edge        | -46.96         | Pass   |
| 802.11g                            | 2437                 | Ant0 | 3        | 30MHz~2310MHz    | -54.20         | Pass   |
| 802.11g                            | 2437                 | Ant0 | 4        | 2500MHz~5000MHz  | -38.00         | Pass   |
| 802.11g                            | 2437                 | Ant0 | 5        | 5000MHz~25000MHz | -43.36         | Pass   |
| 802.11g                            | 2462                 | Ant0 | 1        | Reference Level  | 1.90           | Pass   |

# TEST REPORT

|                   |      |      |   |                  |        |      |
|-------------------|------|------|---|------------------|--------|------|
| 802.11g           | 2462 | Ant0 | 2 | Band Edge        | -28.67 | Pass |
| 802.11g           | 2462 | Ant0 | 3 | 30MHz~2310MHz    | -54.65 | Pass |
| 802.11g           | 2462 | Ant0 | 4 | 2500MHz~5000MHz  | -34.04 | Pass |
| 802.11g           | 2462 | Ant0 | 5 | 5000MHz~25000MHz | -39.45 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 1 | Reference Level  | -3.41  | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 2 | Band Edge        | -34.41 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 3 | 30MHz~2310MHz    | -54.92 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 4 | 2500MHz~5000MHz  | -39.01 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 5 | 5000MHz~25000MHz | -43.24 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 1 | Reference Level  | 0.88   | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 2 | Band Edge        | -44.59 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 3 | 30MHz~2310MHz    | -53.83 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 4 | 2500MHz~5000MHz  | -34.44 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 5 | 5000MHz~25000MHz | -40.81 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 1 | Reference Level  | 1.38   | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 2 | Band Edge        | -31.72 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 3 | 30MHz~2310MHz    | -52.60 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 4 | 2500MHz~5000MHz  | -31.79 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 5 | 5000MHz~25000MHz | -40.70 | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 1 | Reference Level  | -5.12  | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 2 | Band Edge        | -32.40 | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 3 | 30MHz~2310MHz    | -56.52 | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 4 | 2500MHz~5000MHz  | -39.47 | Pass |
| 802.11n<br>(HT40) | 2422 | Ant0 | 5 | 5000MHz~25000MHz | -43.37 | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 1 | Reference Level  | -2.47  | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 2 | Band Edge        | -30.47 | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 3 | 30MHz~2310MHz    | -49.88 | Pass |

## TEST REPORT

|                   |      |      |   |                  |        |      |
|-------------------|------|------|---|------------------|--------|------|
| 802.11n<br>(HT40) | 2437 | Ant0 | 4 | 2500MHz~5000MHz  | -34.57 | Pass |
| 802.11n<br>(HT40) | 2437 | Ant0 | 5 | 5000MHz~25000MHz | -41.96 | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 1 | Reference Level  | -4.89  | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 2 | Band Edge        | -35.18 | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 3 | 30MHz~2310MHz    | -56.43 | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 4 | 2500MHz~5000MHz  | -39.09 | Pass |
| 802.11n<br>(HT40) | 2452 | Ant0 | 5 | 5000MHz~25000MHz | -43.27 | Pass |

## 6.2 Test Plots

