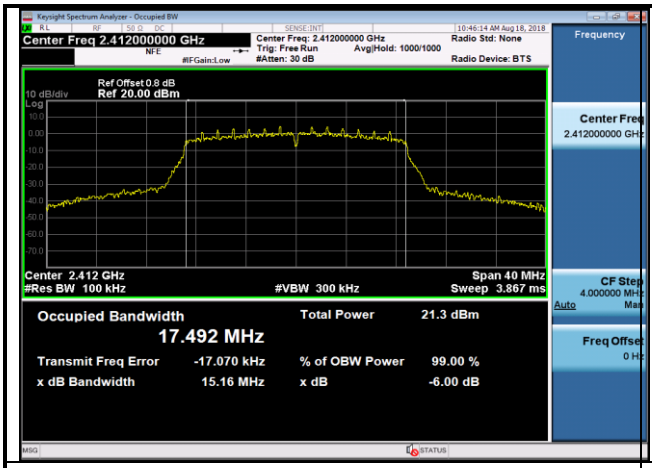
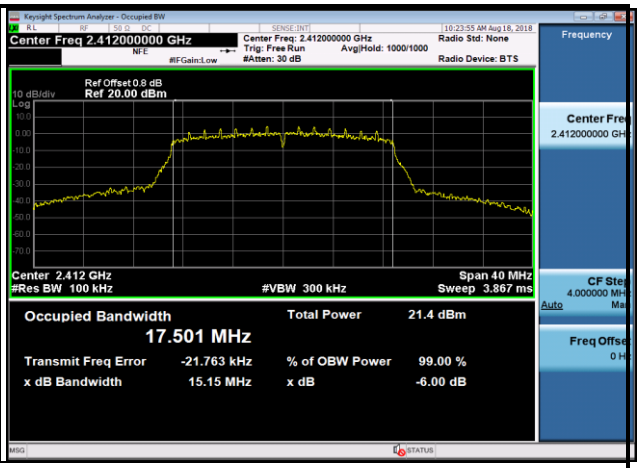
**TEST REPORT**

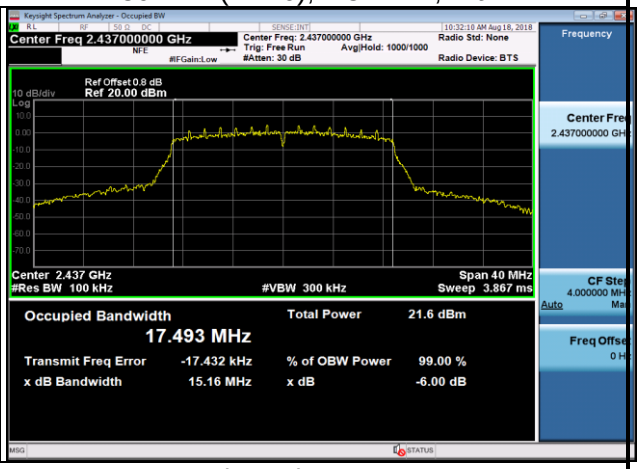



802.11n(HT20),2437MHz,Ant0

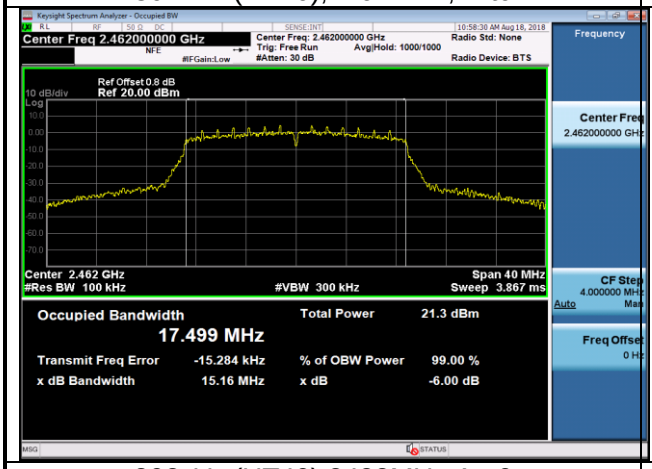



802.11n(HT20),2437MHz,Ant1

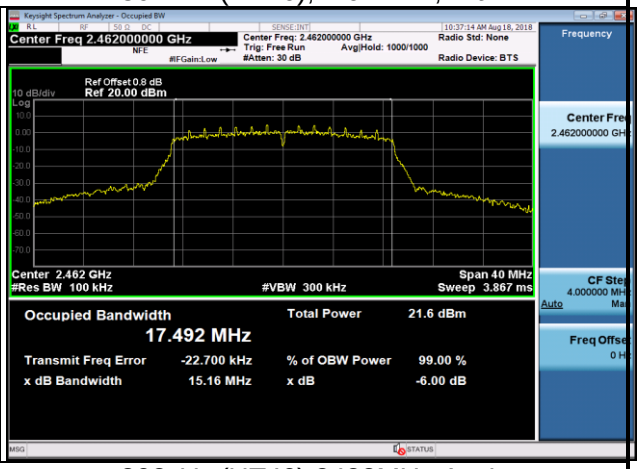
802.11n(HT20),2462MHz,Ant0




802.11n(HT20),2462MHz,Ant1

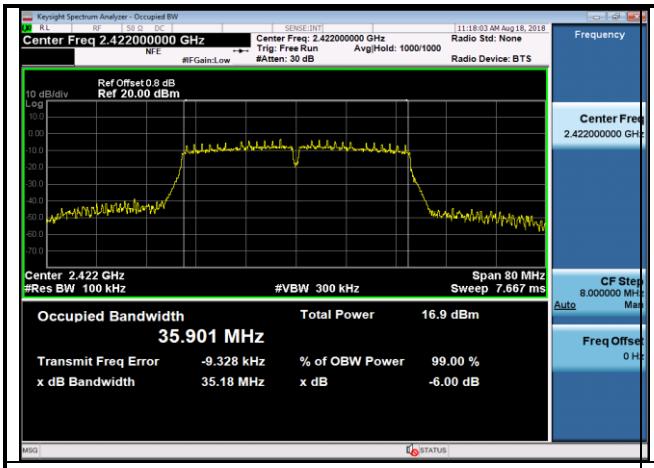



802.11n(HT40),2422MHz,Ant0

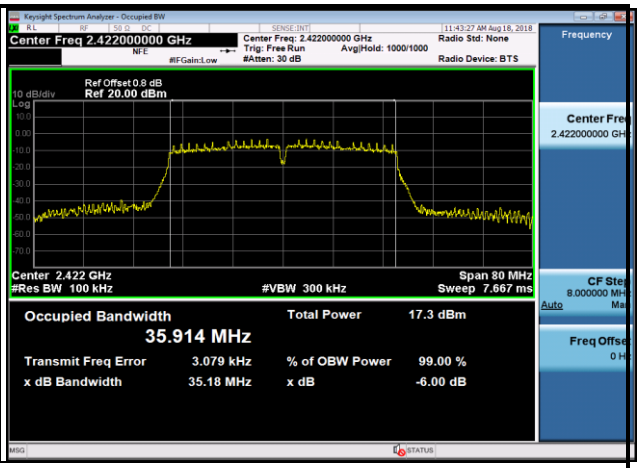



802.11n(HT40),2422MHz,Ant1

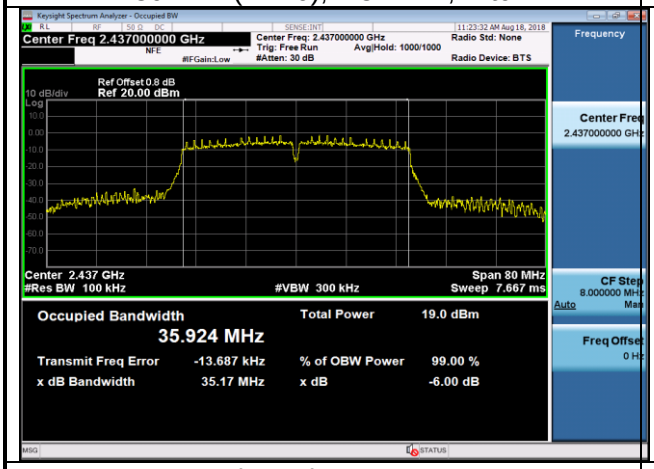
**TEST REPORT**



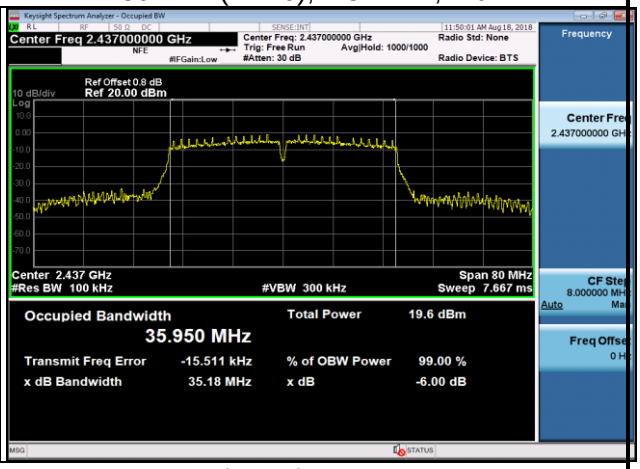

802.11n(HT40),2437MHz,Ant0



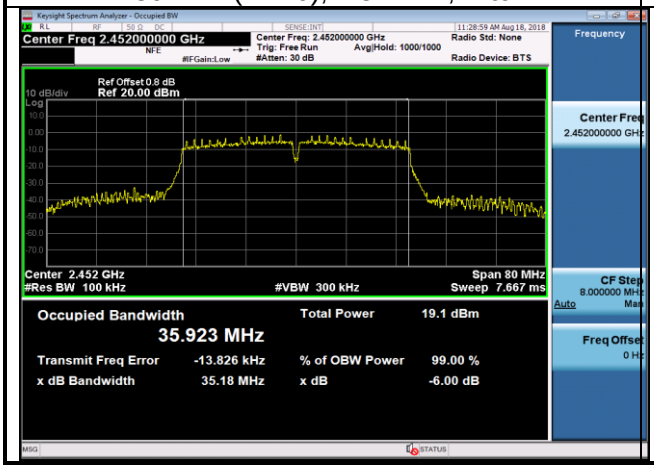

802.11n(HT40),2437MHz,Ant1

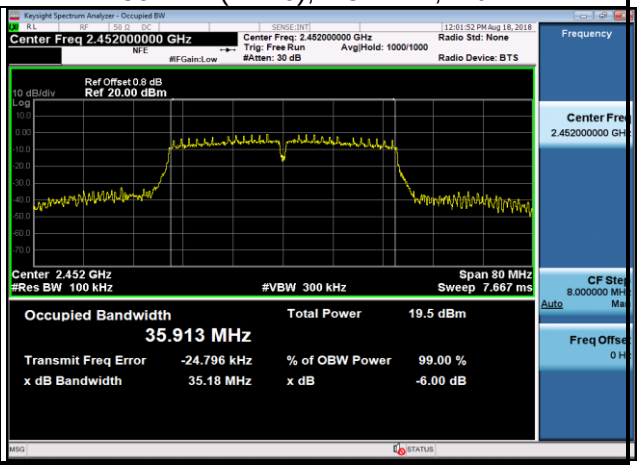



802.11n(HT40),2452MHz,Ant0




802.11n(HT40),2452MHz,Ant1



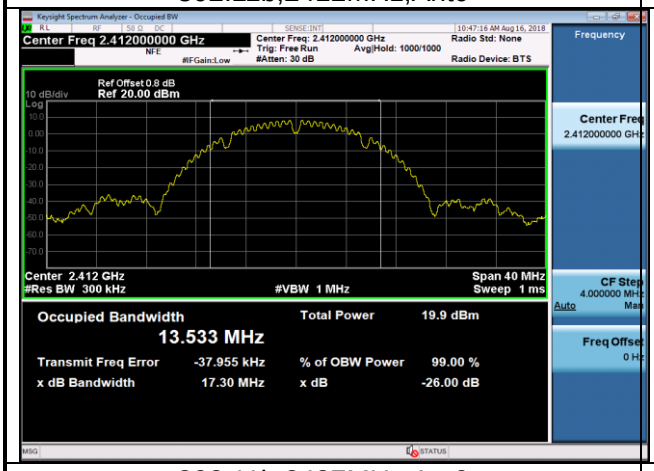
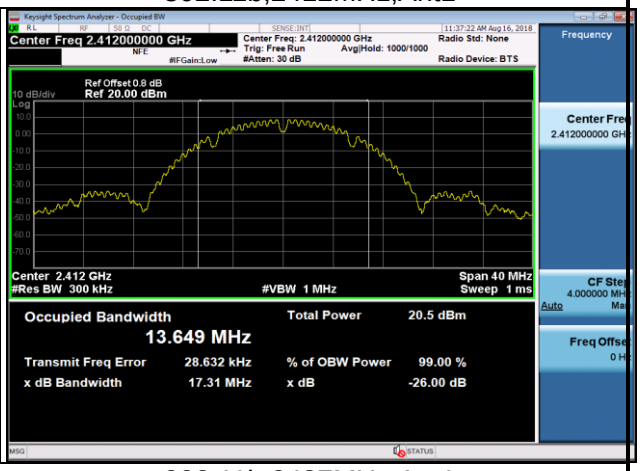
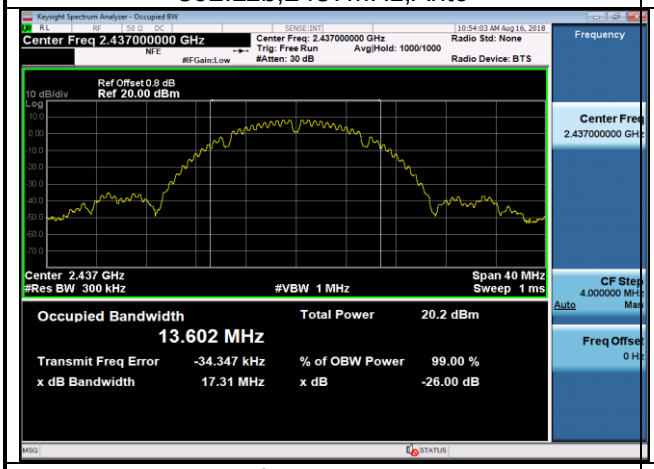
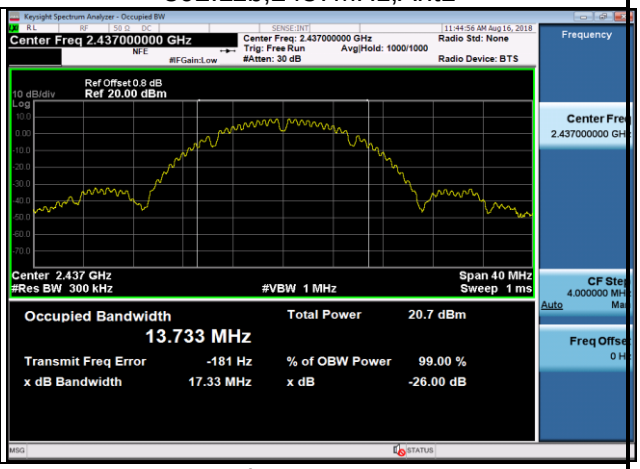
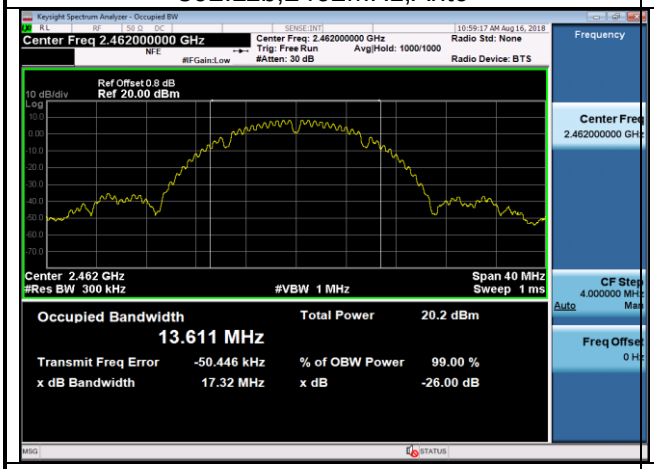
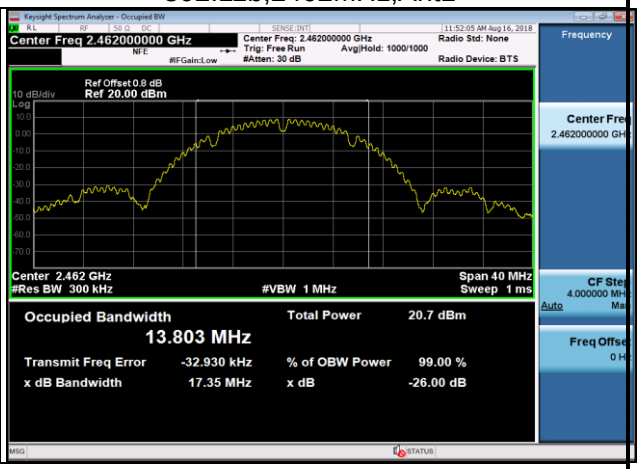



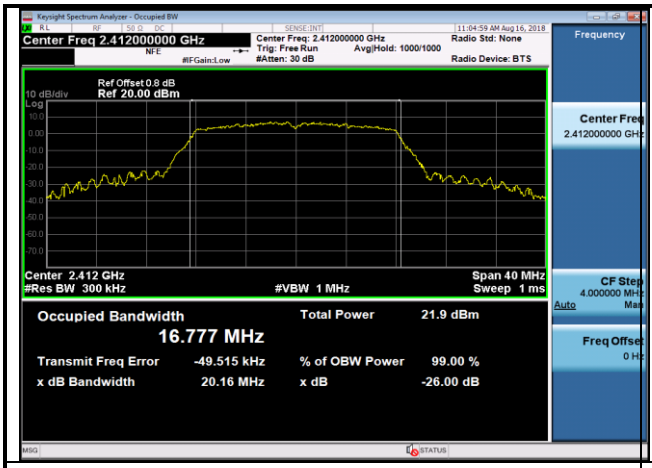
## 3. Occupied Bandwidth

### 3.1 Test Data

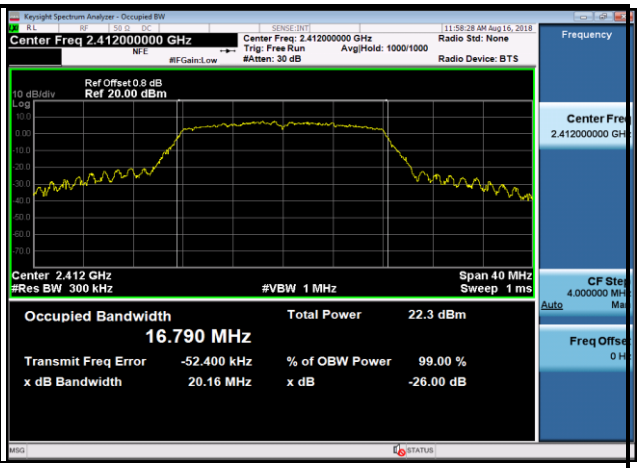
| WLAN 99% Occupied Bandwidth | | | | |
|---|---|---|---|---|
| Mode | Test Frequency (MHz) | Ant | 99% Occupied Bandwidth (MHz) | Result |
| 802.11b | 2412 | Ant0 | 13.533 | Pass |
| 802.11b | 2412 | Ant1 | 13.649 | Pass |
| 802.11b | 2437 | Ant0 | 13.602 | Pass |
| 802.11b | 2437 | Ant1 | 13.733 | Pass |
| 802.11b | 2462 | Ant0 | 13.611 | Pass |
| 802.11b | 2462 | Ant1 | 13.803 | Pass |
| 802.11g | 2412 | Ant0 | 16.777 | Pass |
| 802.11g | 2412 | Ant1 | 16.790 | Pass |
| 802.11g | 2437 | Ant0 | 16.773 | Pass |
| 802.11g | 2437 | Ant1 | 16.745 | Pass |
| 802.11g | 2462 | Ant0 | 16.776 | Pass |
| 802.11g | 2462 | Ant1 | 16.781 | Pass |
| 802.11n (HT20) | 2412 | Ant0 | 17.663 | Pass |
| 802.11n (HT20) | 2412 | Ant1 | 17.670 | Pass |
| 802.11n (HT20) | 2437 | Ant0 | 17.675 | Pass |
| 802.11n (HT20) | 2437 | Ant1 | 17.666 | Pass |
| 802.11n (HT20) | 2462 | Ant0 | 17.673 | Pass |
| 802.11n (HT20) | 2462 | Ant1 | 17.675 | Pass |
| 802.11n (HT40) | 2422 | Ant0 | 36.230 | Pass |
| 802.11n (HT40) | 2422 | Ant1 | 36.235 | Pass |
| 802.11n (HT40) | 2437 | Ant0 | 36.361 | Pass |
| 802.11n (HT40) | 2437 | Ant1 | 36.376 | Pass |
| 802.11n (HT40) | 2452 | Ant0 | 36.385 | Pass |
| 802.11n (HT40) | 2452 | Ant1 | 36.366 | Pass |

### 3.2 Test Plots

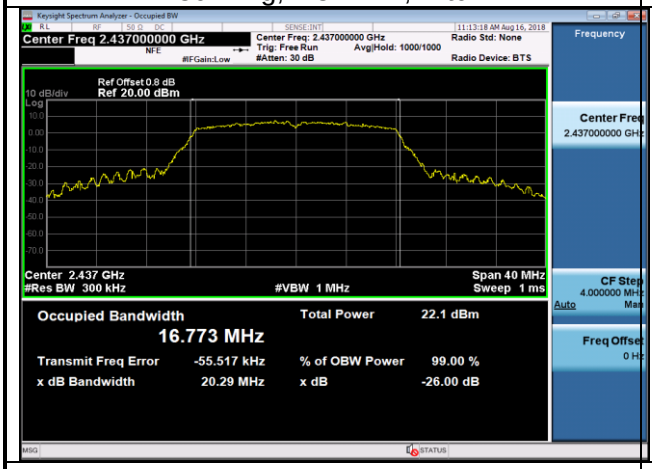
| 802.11b,2412MHz,Ant0 | 802.11b,2412MHz,Ant1 |
|---|---|
|  |  |
| 802.11b,2437MHz,Ant0 | 802.11b,2437MHz,Ant1 |
|  |  |
| 802.11b,2462MHz,Ant0 | 802.11b,2462MHz,Ant1 |
|  |  |
| 802.11g,2412MHz,Ant0 | 802.11g,2412MHz,Ant1 |



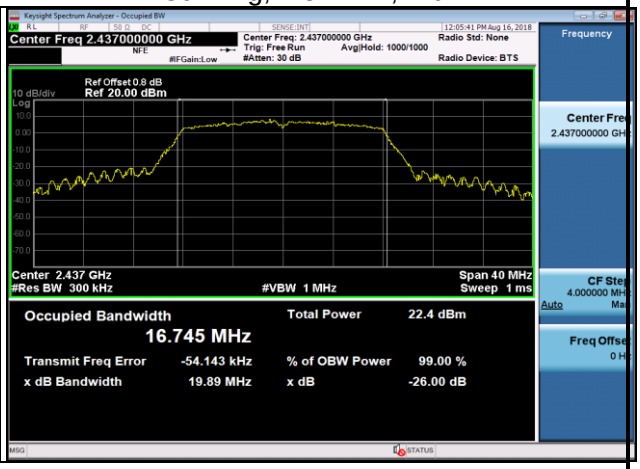

802.11g,2437MHz,Ant0



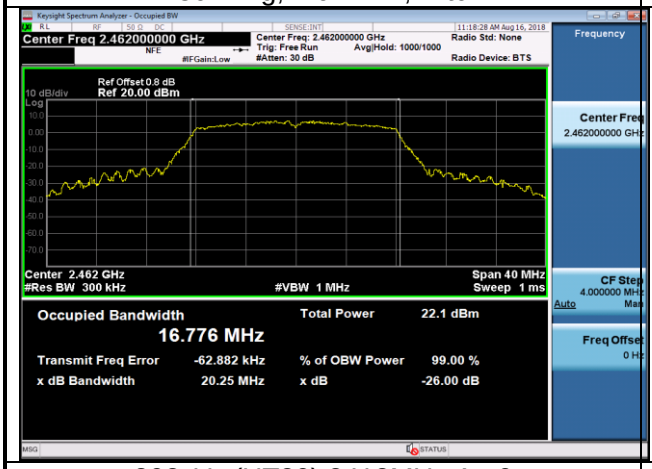

802.11g,2437MHz,Ant1



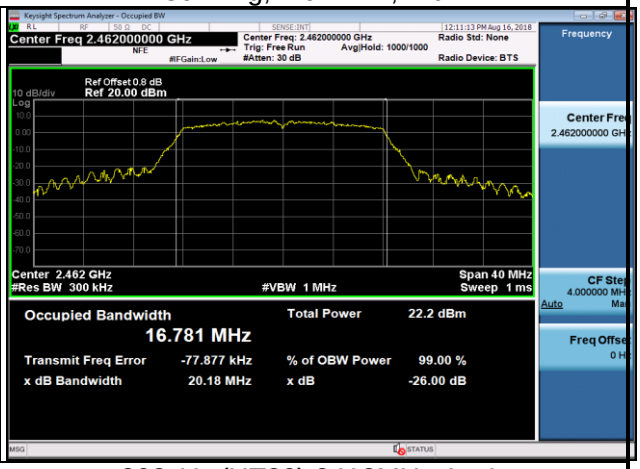

802.11g,2462MHz,Ant0




802.11g,2462MHz,Ant1

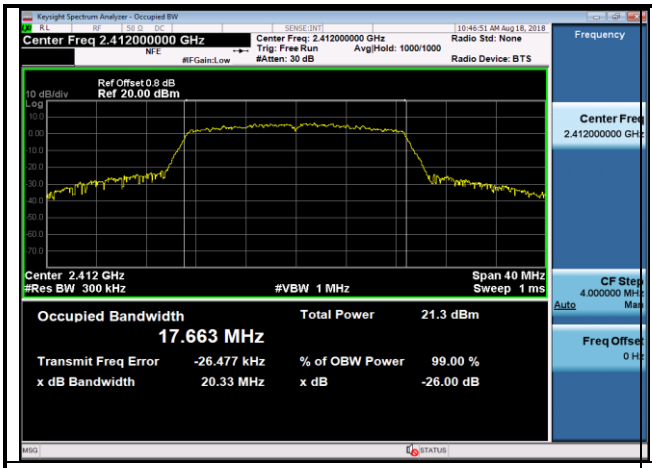



802.11n(HT20),2412MHz,Ant0

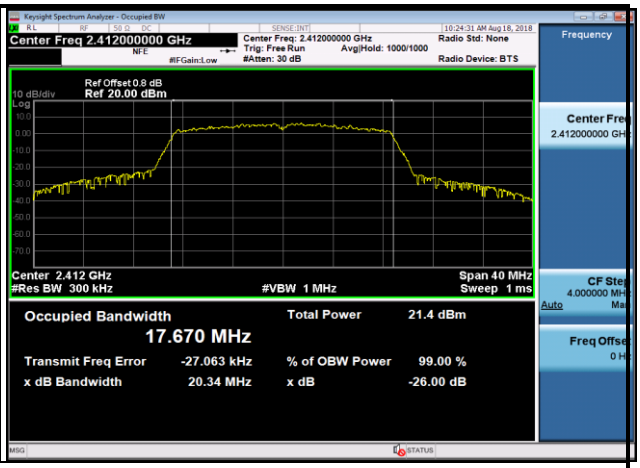



802.11n(HT20),2412MHz,Ant1

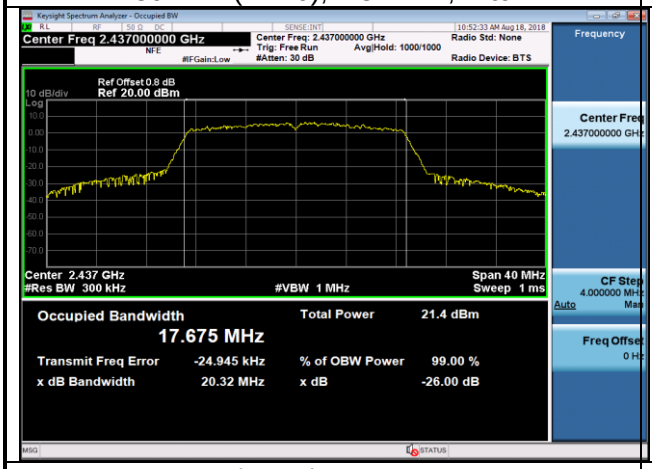
## TEST REPORT



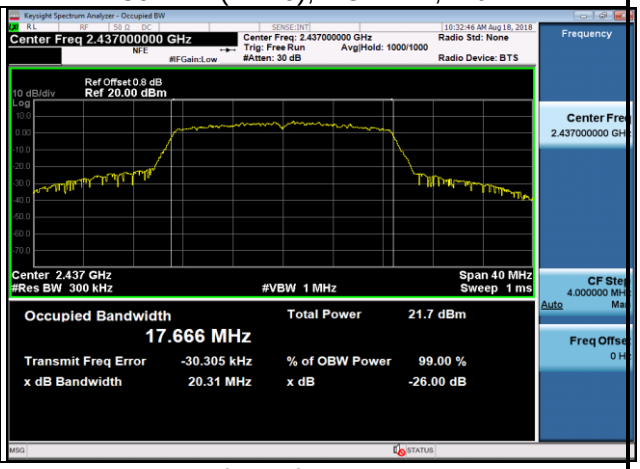

802.11n(HT20),2437MHz,Ant0



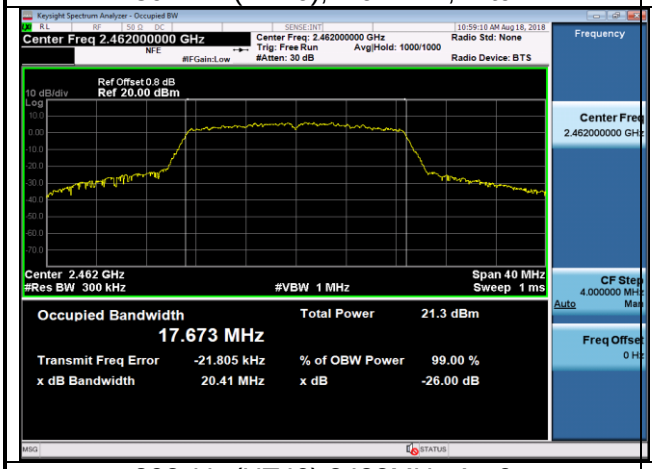

802.11n(HT20),2437MHz,Ant1



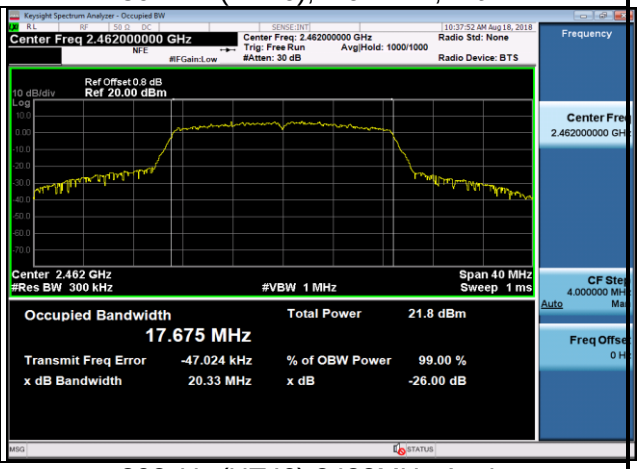

802.11n(HT20),2462MHz,Ant0




802.11n(HT20),2462MHz,Ant1

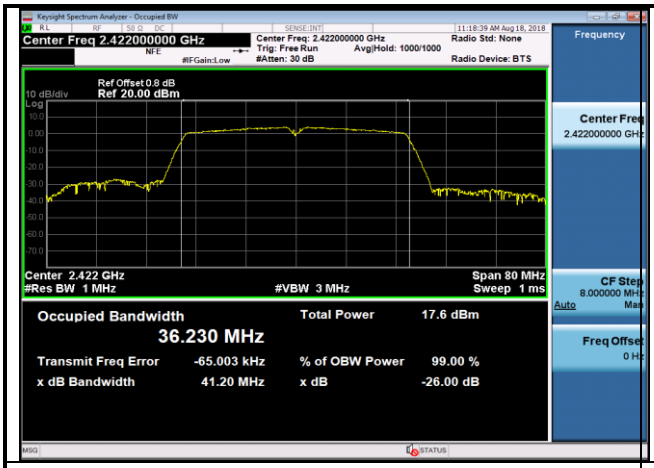



802.11n(HT40),2422MHz,Ant0

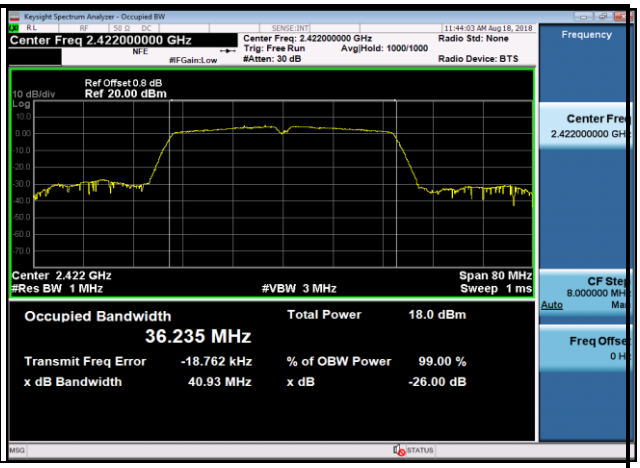



802.11n(HT40),2422MHz,Ant1

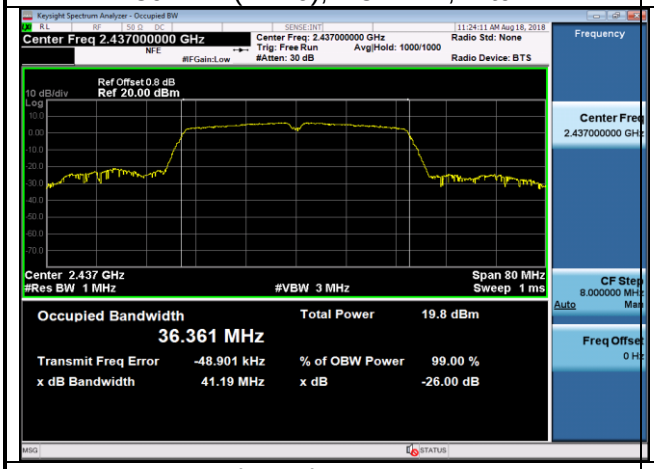
**TEST REPORT**



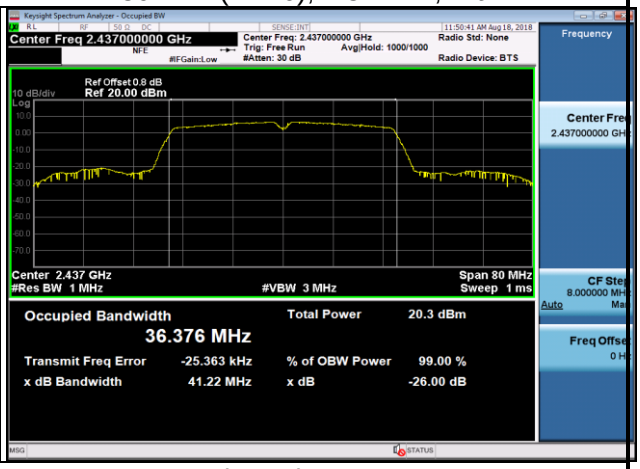

802.11n(HT40),2437MHz,Ant0



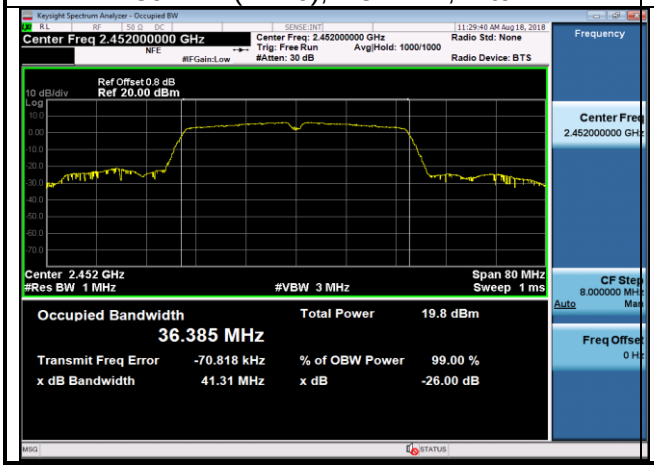

802.11n(HT40),2437MHz,Ant1

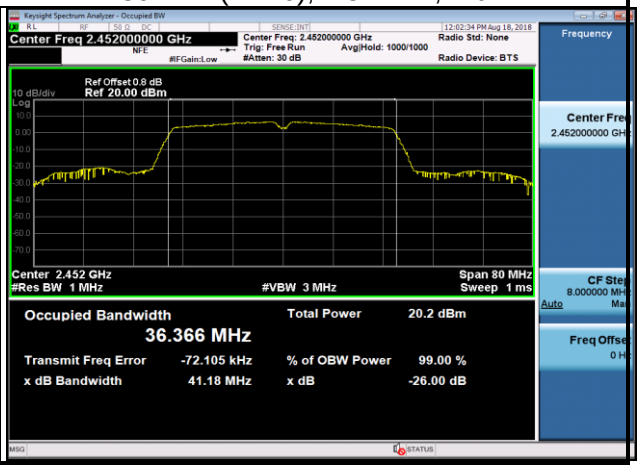



802.11n(HT40),2452MHz,Ant0




802.11n(HT40),2452MHz,Ant1



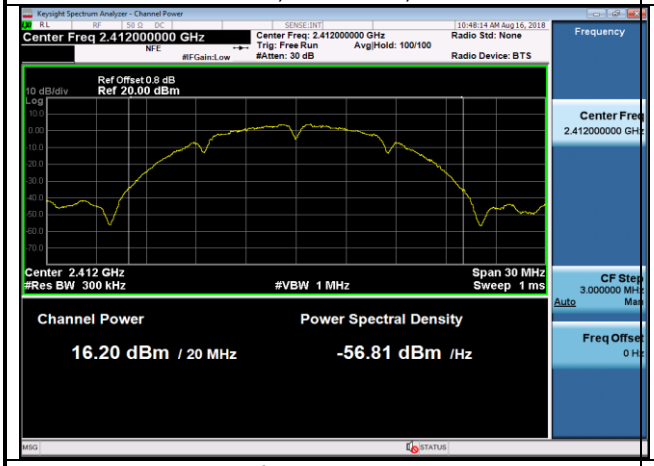
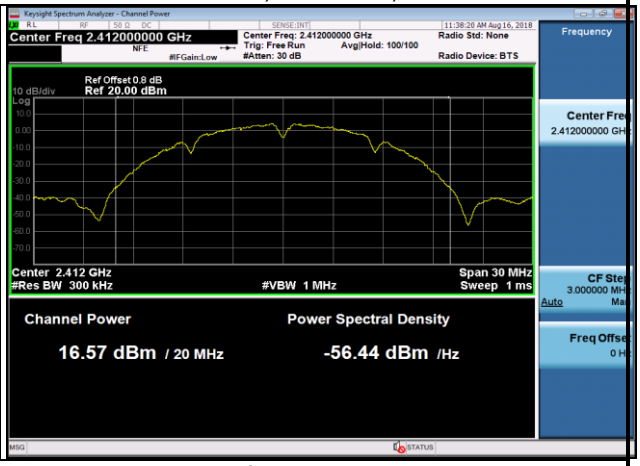
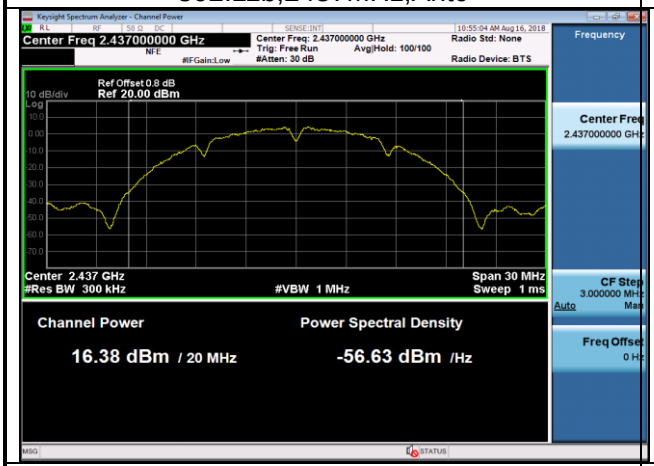
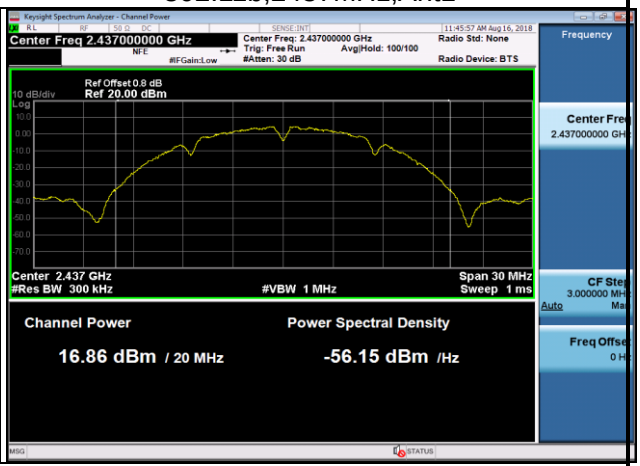
4. Maximum conducted output power and e.i.r.p

4.1 Test Data

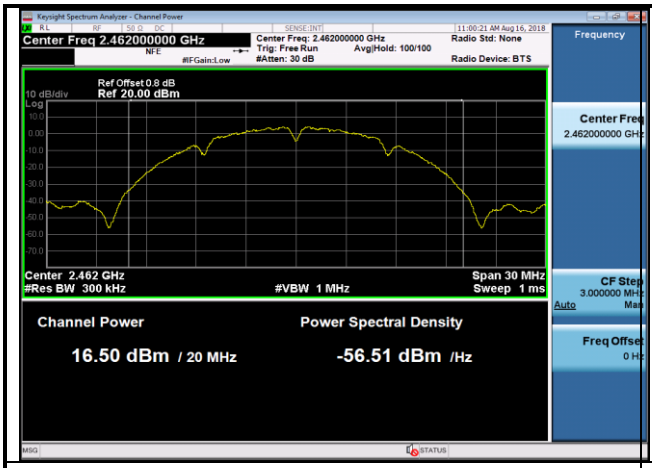
| WLAN AVGSA Output Power | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mode | Test Frequency (MHz) | Ant | Duty Cycle Factor (dB) | Max Power (dBm) | Max or Total (dBm) | Limit (dBm) | Result |
| 802.11b | 2412 | Ant0 | 0.00 | 16.20 | 16.20 | 30 | Pass |
| 802.11b | 2412 | Ant1 | 0.00 | 16.57 | 16.57 | 30 | Pass |
| 802.11b | 2437 | Ant0 | 0.00 | 16.38 | 16.38 | 30 | Pass |
| 802.11b | 2437 | Ant1 | 0.00 | 16.86 | 16.86 | 30 | Pass |
| 802.11b | 2462 | Ant0 | 0.00 | 16.50 | 16.50 | 30 | Pass |
| 802.11b | 2462 | Ant1 | 0.00 | 16.85 | 16.85 | 30 | Pass |
| 802.11g | 2412 | Ant0 | 0.09 | 15.45 | 15.45 | 30 | Pass |
| 802.11g | 2412 | Ant1 | 0.12 | 15.67 | 15.67 | 30 | Pass |
| 802.11g | 2437 | Ant0 | 0.09 | 15.39 | 15.39 | 30 | Pass |
| 802.11g | 2437 | Ant1 | 0.09 | 15.69 | 15.69 | 30 | Pass |
| 802.11g | 2462 | Ant0 | 0.12 | 15.46 | 15.46 | 30 | Pass |
| 802.11g | 2462 | Ant1 | 0.12 | 15.63 | 15.63 | 30 | Pass |
| 802.11n (HT20) | 2412 | Ant0 | 0.13 | 14.58 | 17.65 | 30 | Pass |
| 802.11n (HT20) | 2412 | Ant1 | 0.13 | 14.69 | | | |
| 802.11n (HT20) | 2437 | Ant0 | 0.10 | 14.65 | 17.77 | 30 | Pass |
| 802.11n (HT20) | 2437 | Ant1 | 0.10 | 14.87 | | | |
| 802.11n (HT20) | 2462 | Ant0 | 0.13 | 14.65 | 17.80 | 30 | Pass |
| 802.11n (HT20) | 2462 | Ant1 | 0.13 | 14.93 | | | |
| 802.11n (HT40) | 2422 | Ant0 | 0.26 | 9.70 | 13.04 | 30 | Pass |
| 802.11n (HT40) | 2422 | Ant1 | 0.26 | 10.33 | | | |
| 802.11n (HT40) | 2437 | Ant0 | 0.20 | 11.77 | 15.11 | 30 | Pass |
| 802.11n (HT40) | 2437 | Ant1 | 0.20 | 12.41 | | | |
| 802.11n (HT40) | 2452 | Ant0 | 0.20 | 11.92 | 15.15 | 30 | Pass |
| 802.11n (HT40) | 2452 | Ant1 | 0.20 | 12.34 | | | |

| Max conducted output power (dBm) | Max antenna gain (dBi) | Max e.i.r.p. (W) | Limit (W) | Result |
|---|---|---|---|---|
| 17.80 | 2.85 | 0.116 | 4 | Pass |

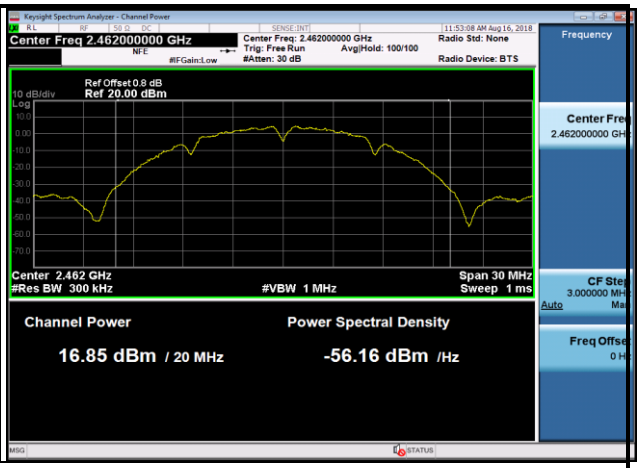
4.2 Test Plots

| 802.11b,2412MHz,Ant0 | 802.11b,2412MHz,Ant1 |
|---|---|
|  |  |
| 802.11b,2437MHz,Ant0 | 802.11b,2437MHz,Ant1 |
|  |  |
| 802.11b,2462MHz,Ant0 | 802.11b,2462MHz,Ant1 |

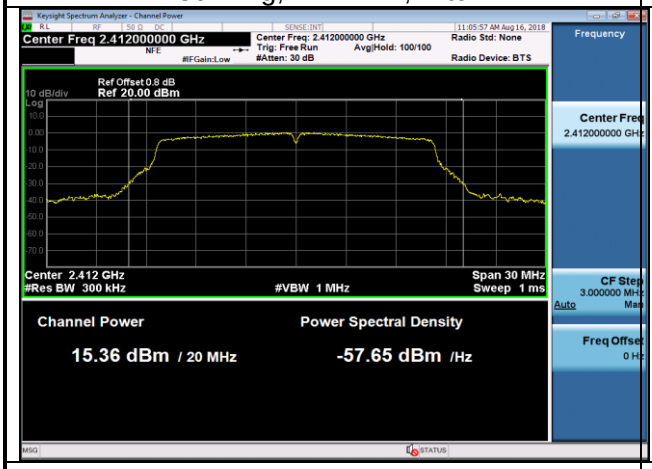
**TEST REPORT**



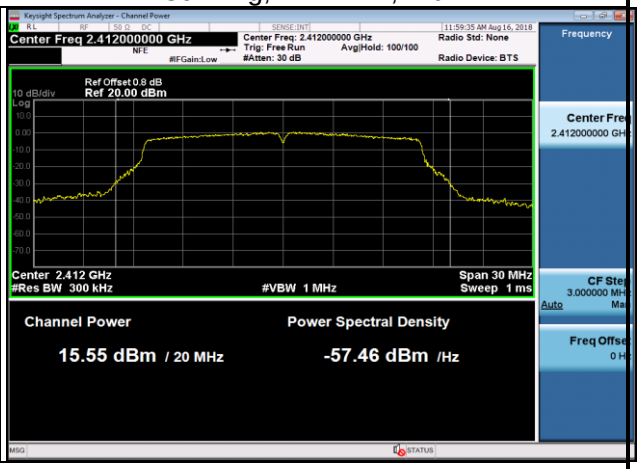

802.11g,2412MHz,Ant0



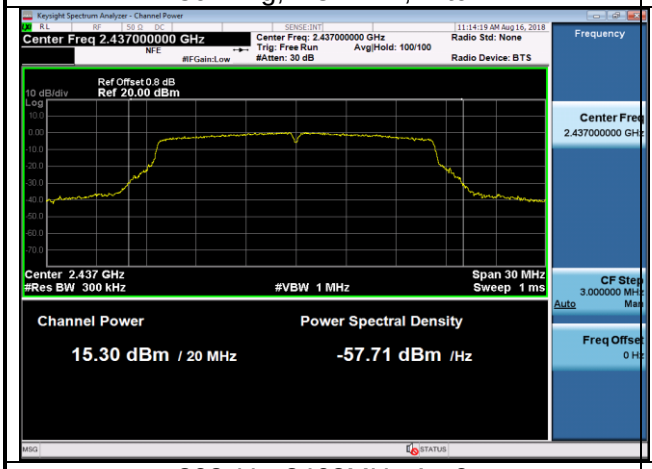

802.11g,2412MHz,Ant1




802.11g,2437MHz,Ant0



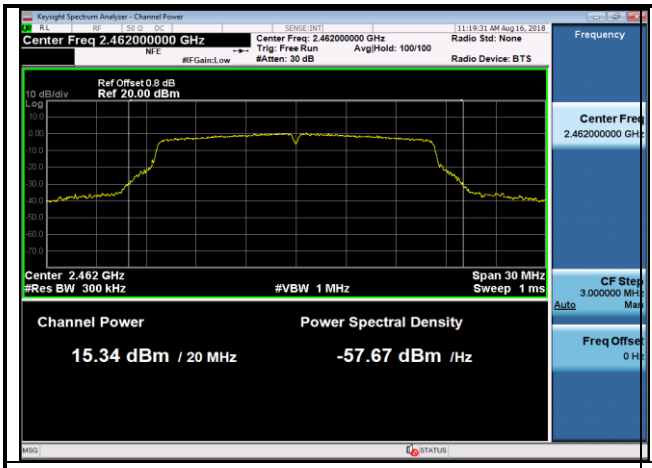

802.11g,2437MHz,Ant1




802.11g,2462MHz,Ant0

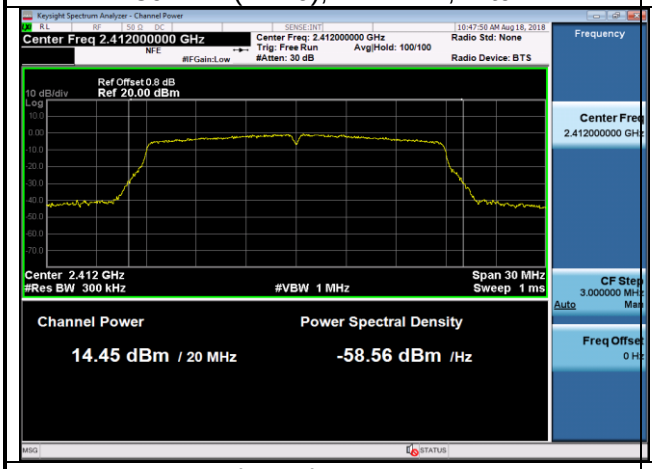
802.11g,2462MHz,Ant1

**TEST REPORT**




802.11n(HT20),2412MHz,Ant0

802.11n(HT20),2412MHz,Ant1




802.11n(HT20),2437MHz,Ant0

802.11n(HT20),2437MHz,Ant1

802.11n(HT20),2462MHz,Ant0

802.11n(HT20),2462MHz,Ant1