

**TEST REPORT**

6. Emission outside the frequency band

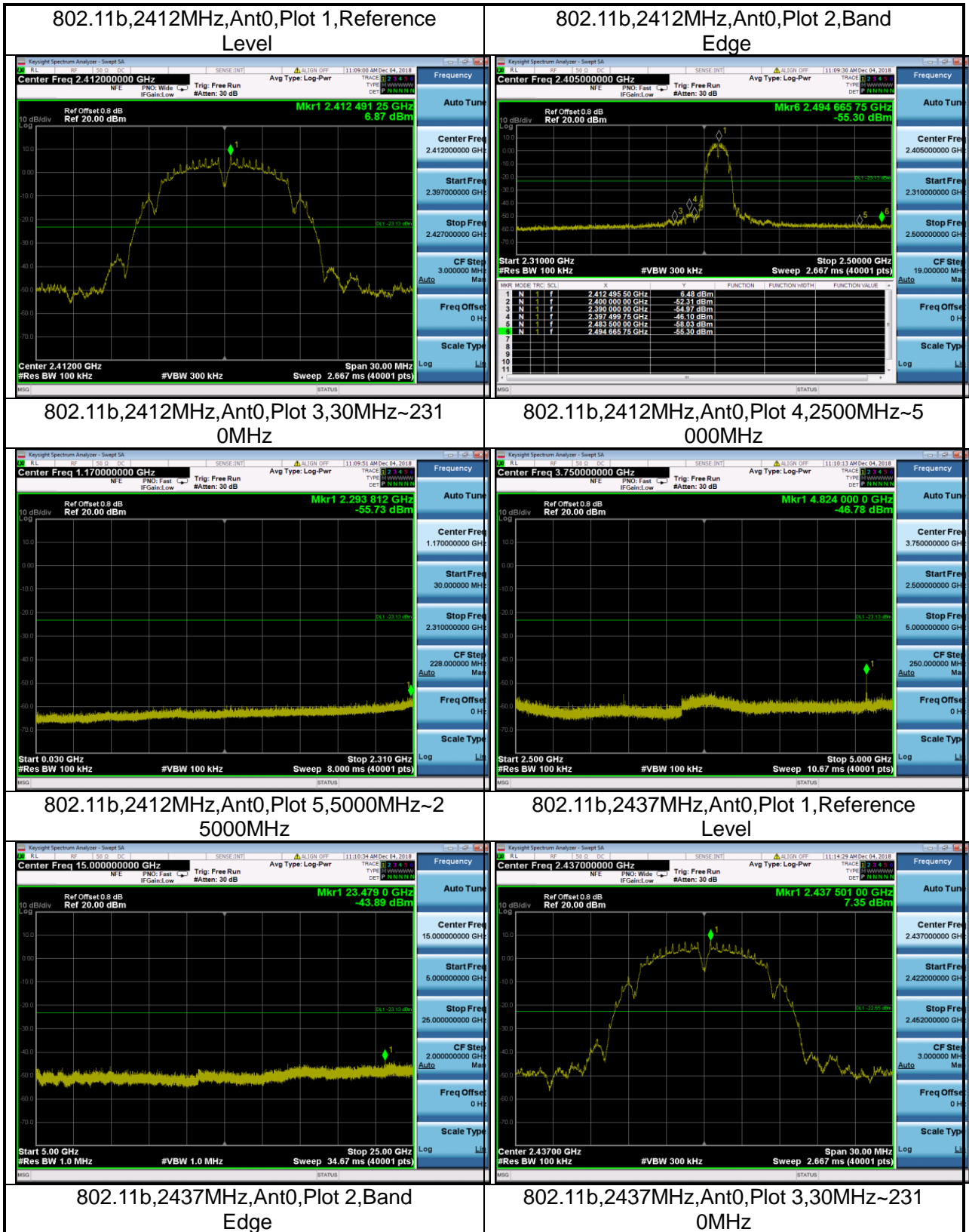
6.1 Test Data

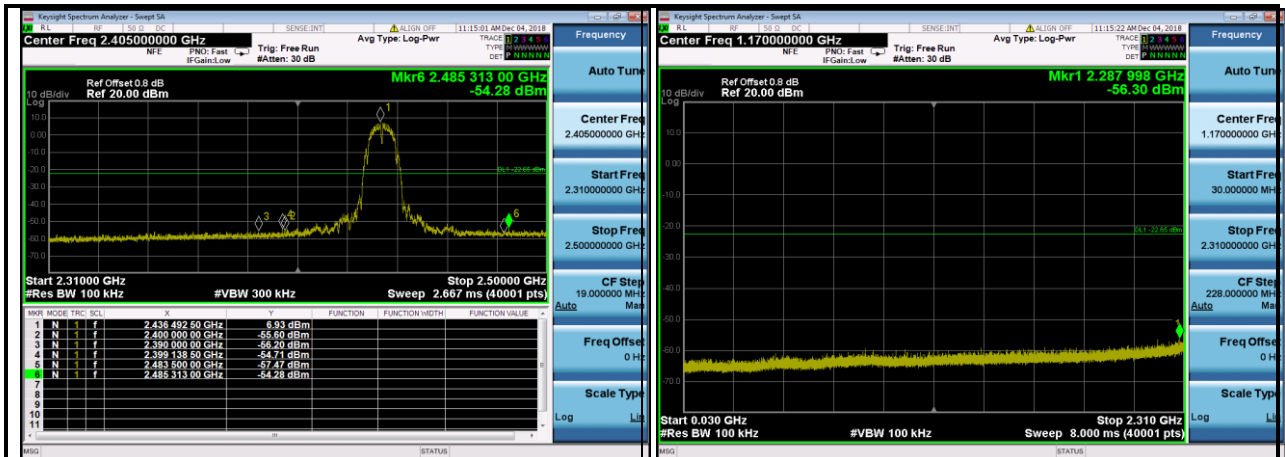
| WLAN Transmitter Spurious Emission |                      |      |          |                  |                |        |
|------------------------------------|----------------------|------|----------|------------------|----------------|--------|
| Mode                               | Test Frequency (MHz) | Ant  | Plot No. | Frequency Range  | Emission (dBm) | Result |
| 802.11b                            | 2412                 | Ant0 | 1        | Reference Level  | 6.87           | Pass   |
| 802.11b                            | 2412                 | Ant0 | 2        | Band Edge        | -46.10         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 3        | 30MHz~2310MHz    | -55.73         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 4        | 2500MHz~5000MHz  | -46.78         | Pass   |
| 802.11b                            | 2412                 | Ant0 | 5        | 5000MHz~25000MHz | -43.88         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 1        | Reference Level  | 7.35           | Pass   |
| 802.11b                            | 2437                 | Ant0 | 2        | Band Edge        | -54.28         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 3        | 30MHz~2310MHz    | -56.30         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 4        | 2500MHz~5000MHz  | -47.52         | Pass   |
| 802.11b                            | 2437                 | Ant0 | 5        | 5000MHz~25000MHz | -44.30         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 1        | Reference Level  | 7.96           | Pass   |
| 802.11b                            | 2462                 | Ant0 | 2        | Band Edge        | -50.83         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 3        | 30MHz~2310MHz    | -55.94         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 4        | 2500MHz~5000MHz  | -48.34         | Pass   |
| 802.11b                            | 2462                 | Ant0 | 5        | 5000MHz~25000MHz | -43.64         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 1        | Reference Level  | 2.07           | Pass   |
| 802.11g                            | 2412                 | Ant0 | 2        | Band Edge        | -41.93         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 3        | 30MHz~2310MHz    | -56.18         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 4        | 2500MHz~5000MHz  | -53.09         | Pass   |
| 802.11g                            | 2412                 | Ant0 | 5        | 5000MHz~25000MHz | -43.73         | Pass   |
| 802.11g                            | 2437                 | Ant0 | 1        | Reference Level  | 2.54           | Pass   |
| 802.11g                            | 2437                 | Ant0 | 2        | Band Edge        | -54.16         | Pass   |
| 802.11g                            | 2437                 | Ant0 | 3        | 30MHz~2310MHz    | -55.64         | Pass   |
| 802.11g                            | 2437                 | Ant0 | 4        | 2500MHz~5000MHz  | -52.97         | Pass   |
| 802.11g                            | 2437                 | Ant0 | 5        | 5000MHz~25000MHz | -43.76         | Pass   |

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|                   |      |      |   |                  |        |      |
|-------------------|------|------|---|------------------|--------|------|
| 802.11g           | 2462 | Ant0 | 1 | Reference Level  | 3.37   | Pass |
| 802.11g           | 2462 | Ant0 | 2 | Band Edge        | -46.42 | Pass |
| 802.11g           | 2462 | Ant0 | 3 | 30MHz~2310MHz    | -54.53 | Pass |
| 802.11g           | 2462 | Ant0 | 4 | 2500MHz~5000MHz  | -52.95 | Pass |
| 802.11g           | 2462 | Ant0 | 5 | 5000MHz~25000MHz | -44.04 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 1 | Reference Level  | 2.08   | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 2 | Band Edge        | -41.05 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 3 | 30MHz~2310MHz    | -56.08 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 4 | 2500MHz~5000MHz  | -53.07 | Pass |
| 802.11n<br>(HT20) | 2412 | Ant0 | 5 | 5000MHz~25000MHz | -43.99 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 1 | Reference Level  | 2.43   | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 2 | Band Edge        | -53.40 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 3 | 30MHz~2310MHz    | -56.42 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 4 | 2500MHz~5000MHz  | -53.35 | Pass |
| 802.11n<br>(HT20) | 2437 | Ant0 | 5 | 5000MHz~25000MHz | -43.96 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 1 | Reference Level  | 3.16   | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 2 | Band Edge        | -46.25 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 3 | 30MHz~2310MHz    | -56.38 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 4 | 2500MHz~5000MHz  | -53.30 | Pass |
| 802.11n<br>(HT20) | 2462 | Ant0 | 5 | 5000MHz~25000MHz | -44.27 | Pass |

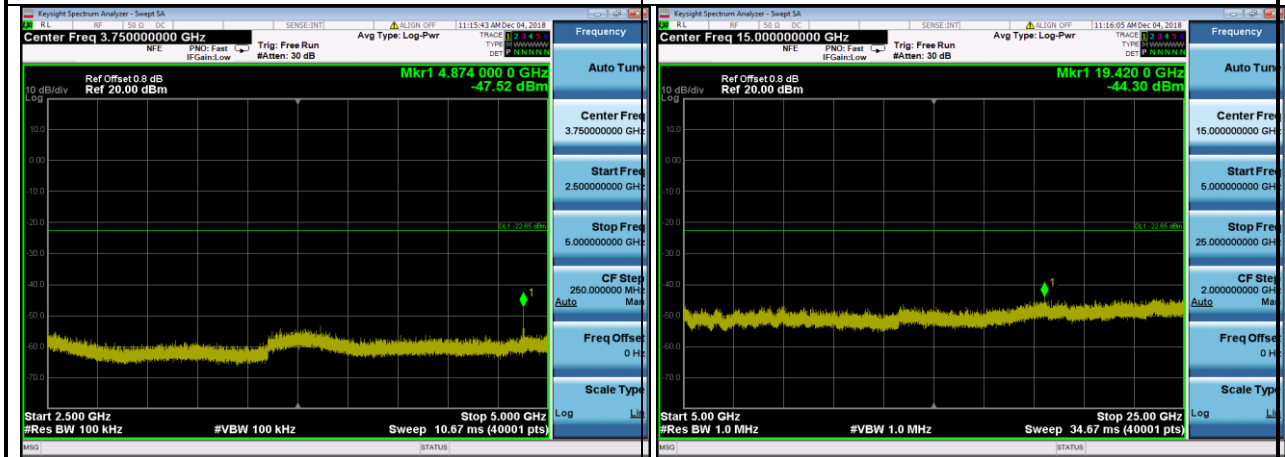
9.2 Test Plots





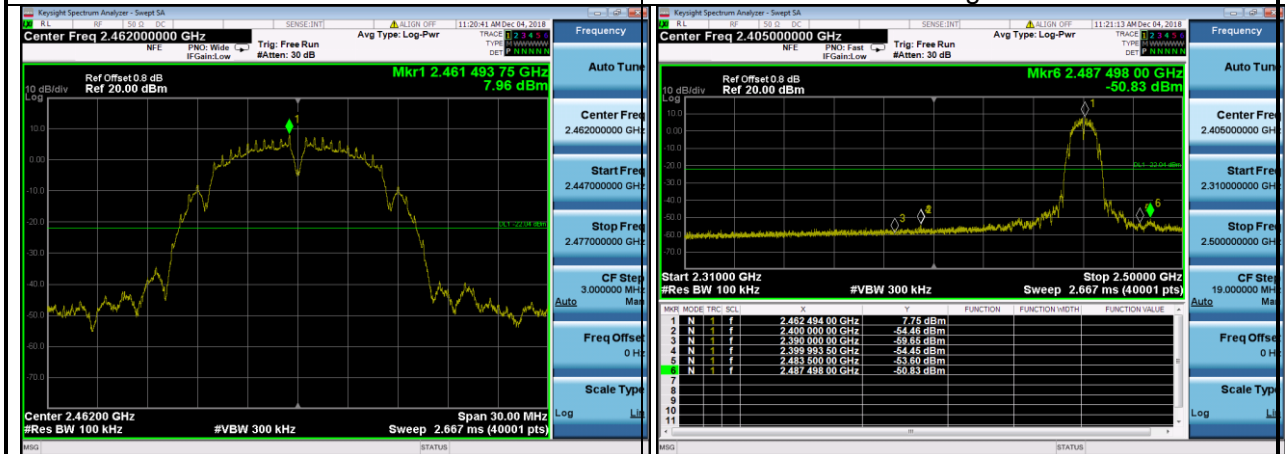
802.11b,2437MHz,Ant0,Plot 4,2500MHz~5000MHz

802.11b,2437MHz,Ant0,Plot 5,5000MHz~25000MHz



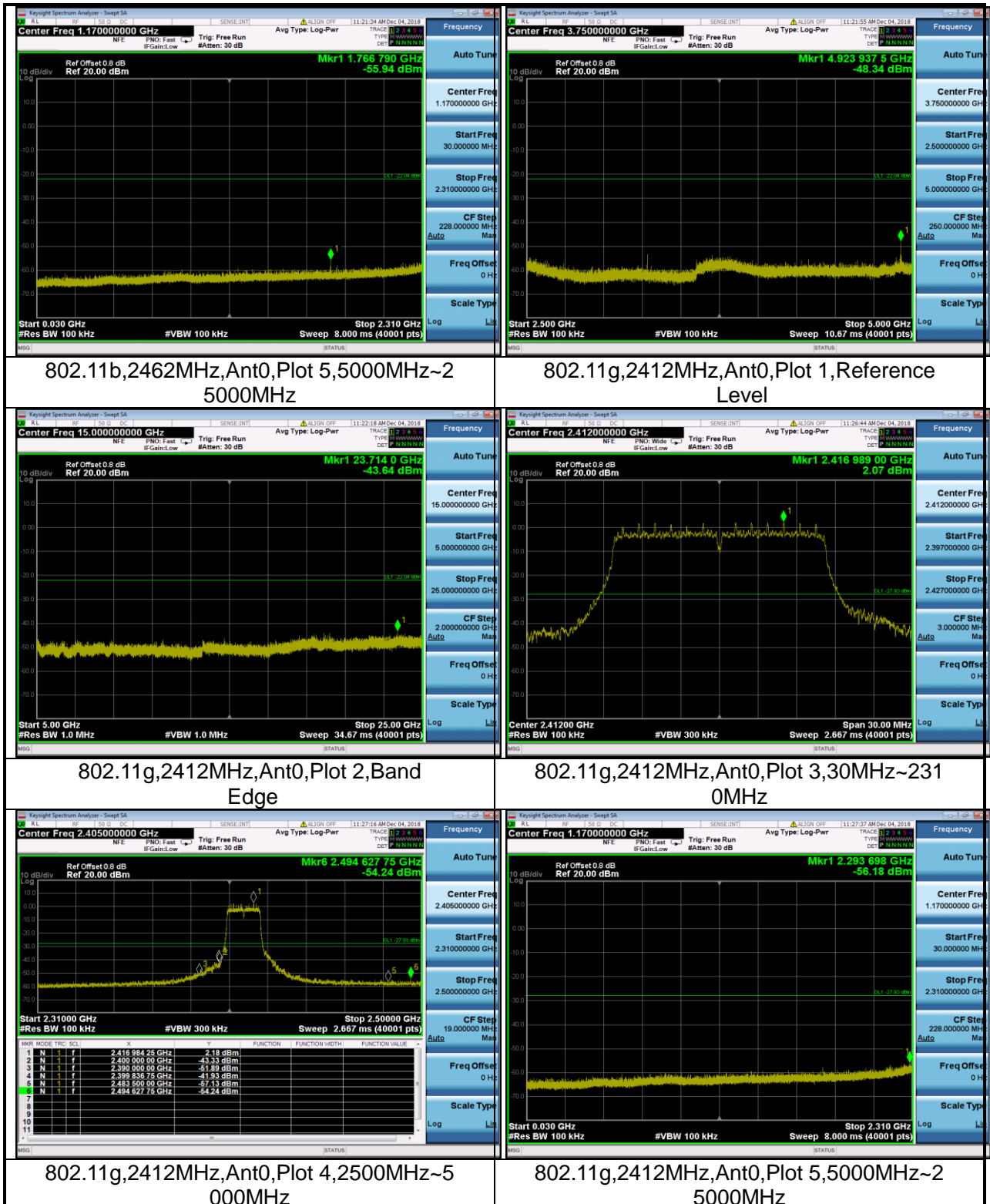
802.11b,2462MHz,Ant0,Plot 1,Reference Level

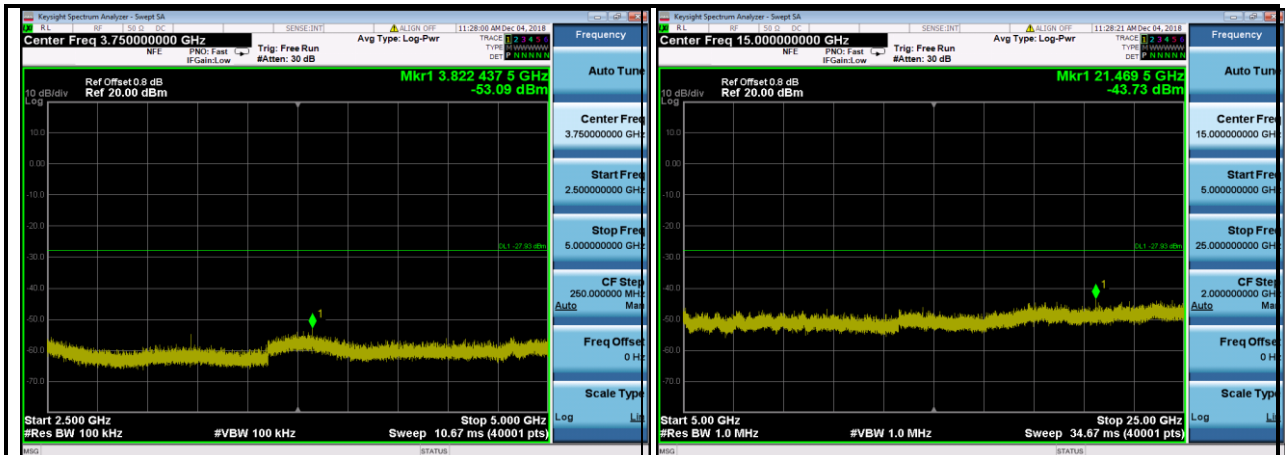
802.11b,2462MHz,Ant0,Plot 2,Band Edge



802.11b,2462MHz,Ant0,Plot 3,30MHz~2310MHz

802.11b,2462MHz,Ant0,Plot 4,2500MHz~5000MHz





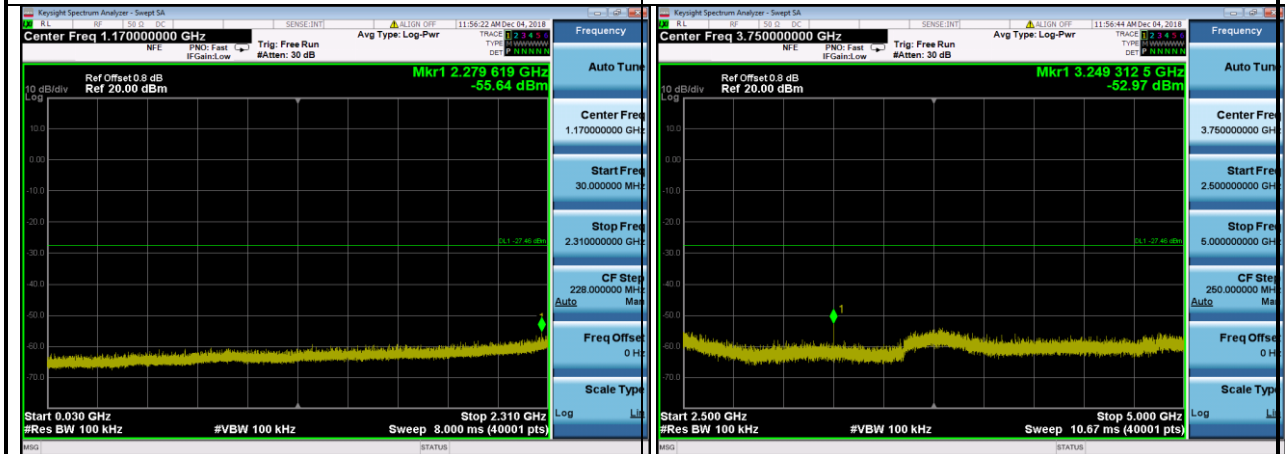
802.11g,2437MHz,Ant0,Plot 1,Reference Level

802.11g,2437MHz,Ant0,Plot 2,Band Edge



802.11g,2437MHz,Ant0,Plot 3,30MHz~231 0MHz

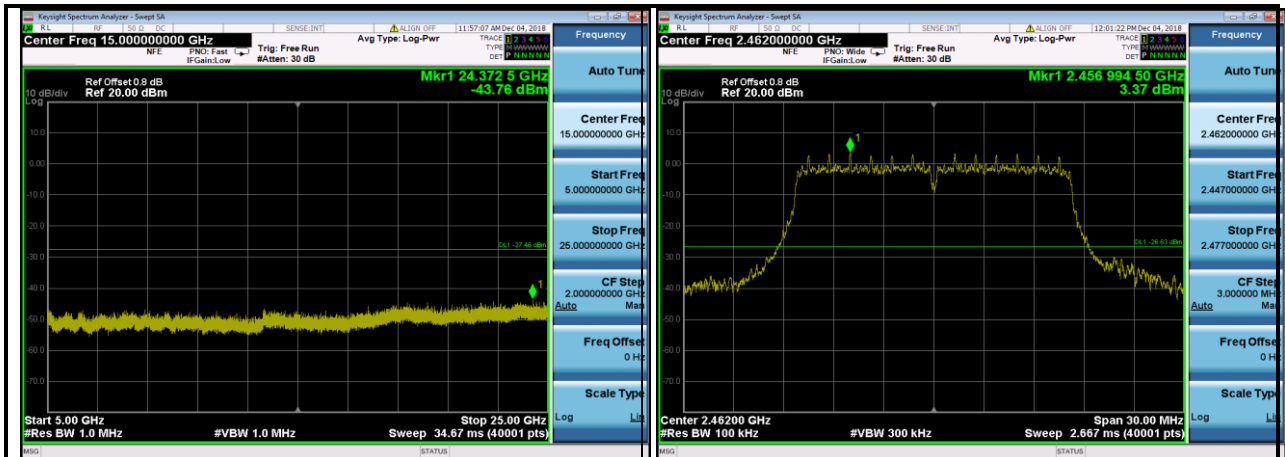
802.11g,2437MHz,Ant0,Plot 4,2500MHz~5 000MHz



802.11g,2437MHz,Ant0,Plot 5,5000MHz~2 5000MHz

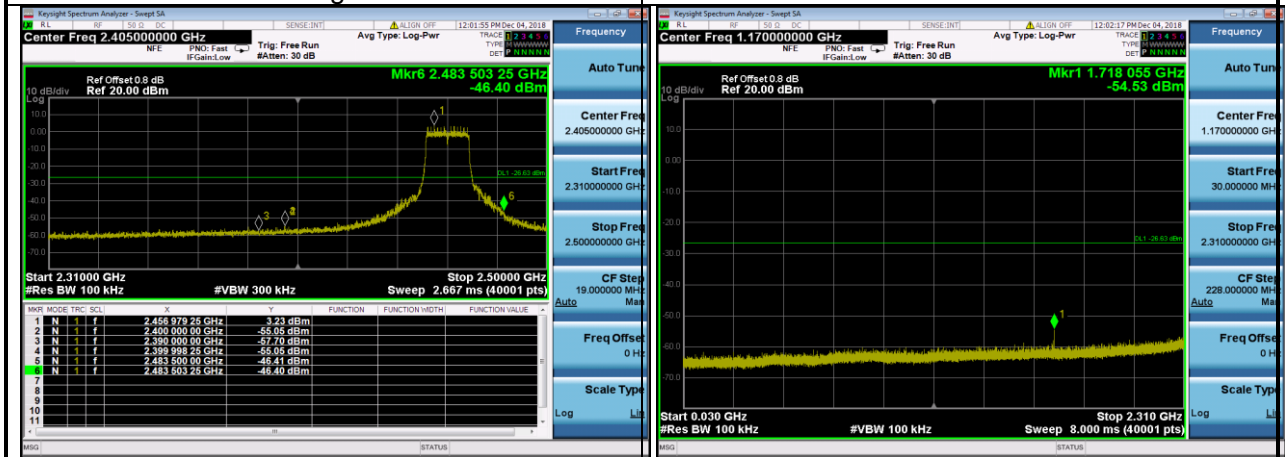
802.11g,2462MHz,Ant0,Plot 1,Reference Level





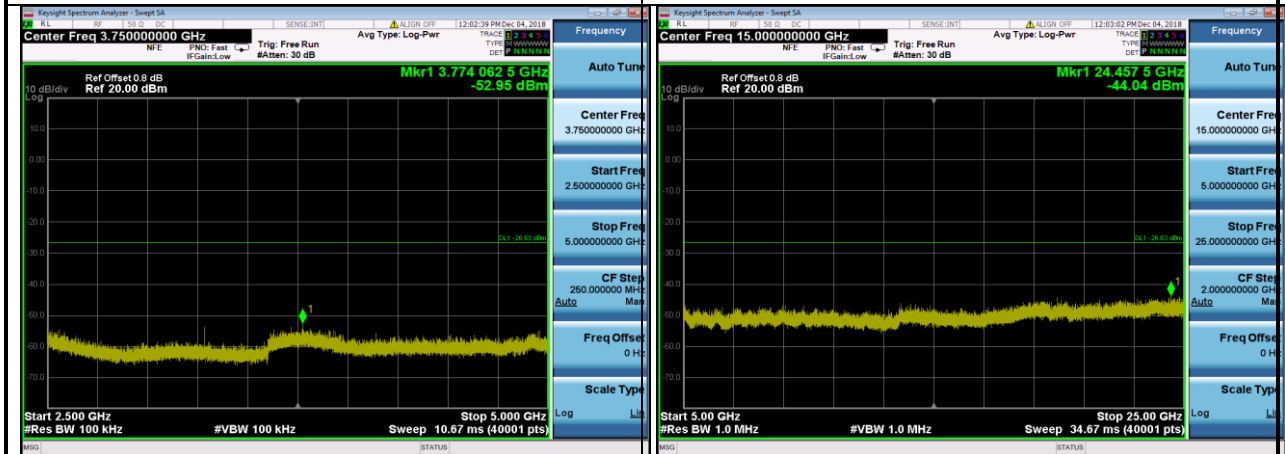
802.11g,2462MHz,Ant0,Plot 2,Band Edge

802.11g,2462MHz,Ant0,Plot 3,30MHz~2310MHz



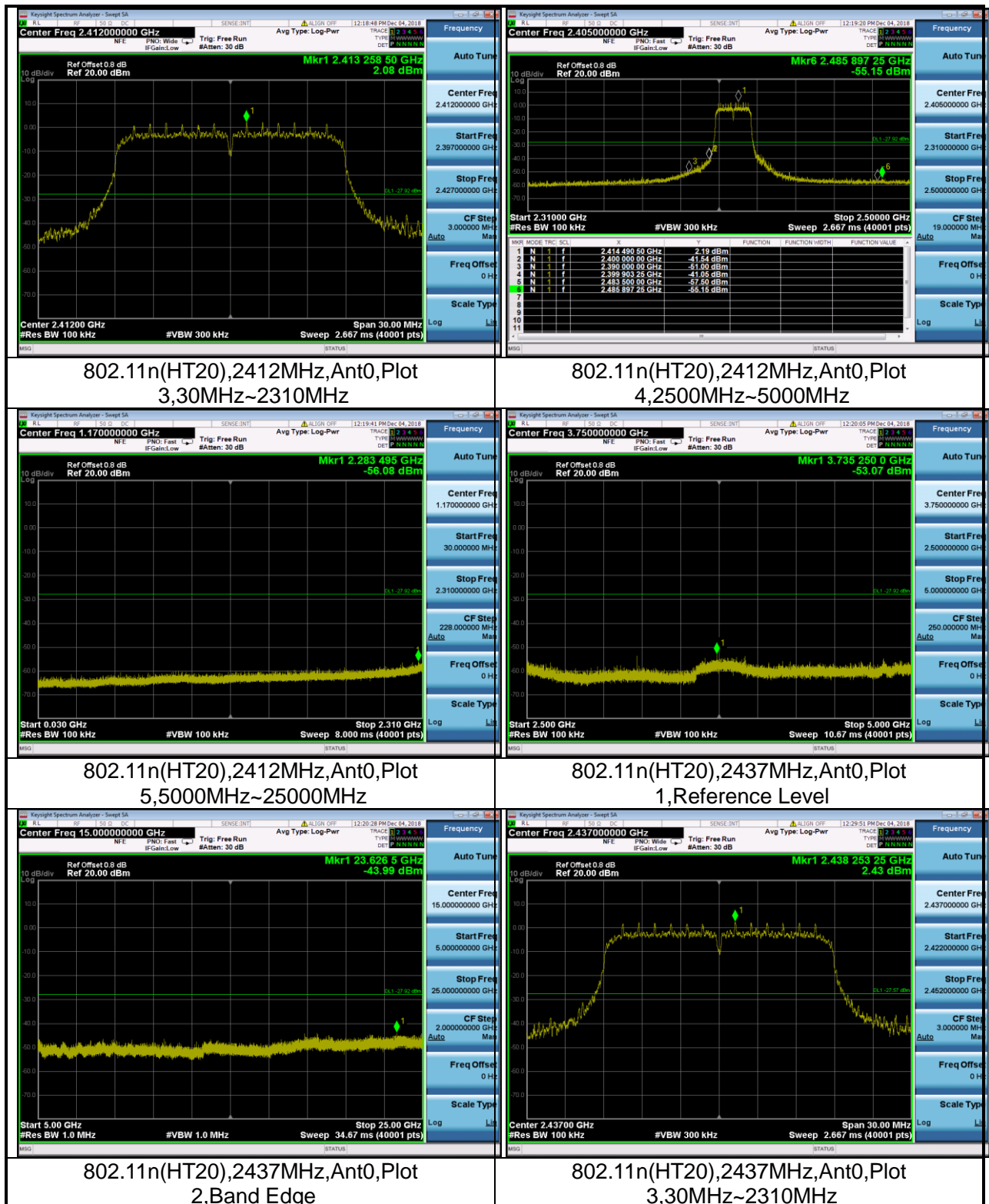
802.11g,2462MHz,Ant0,Plot 4,2500MHz~5000MHz

802.11g,2462MHz,Ant0,Plot 5,5000MHz~25000MHz

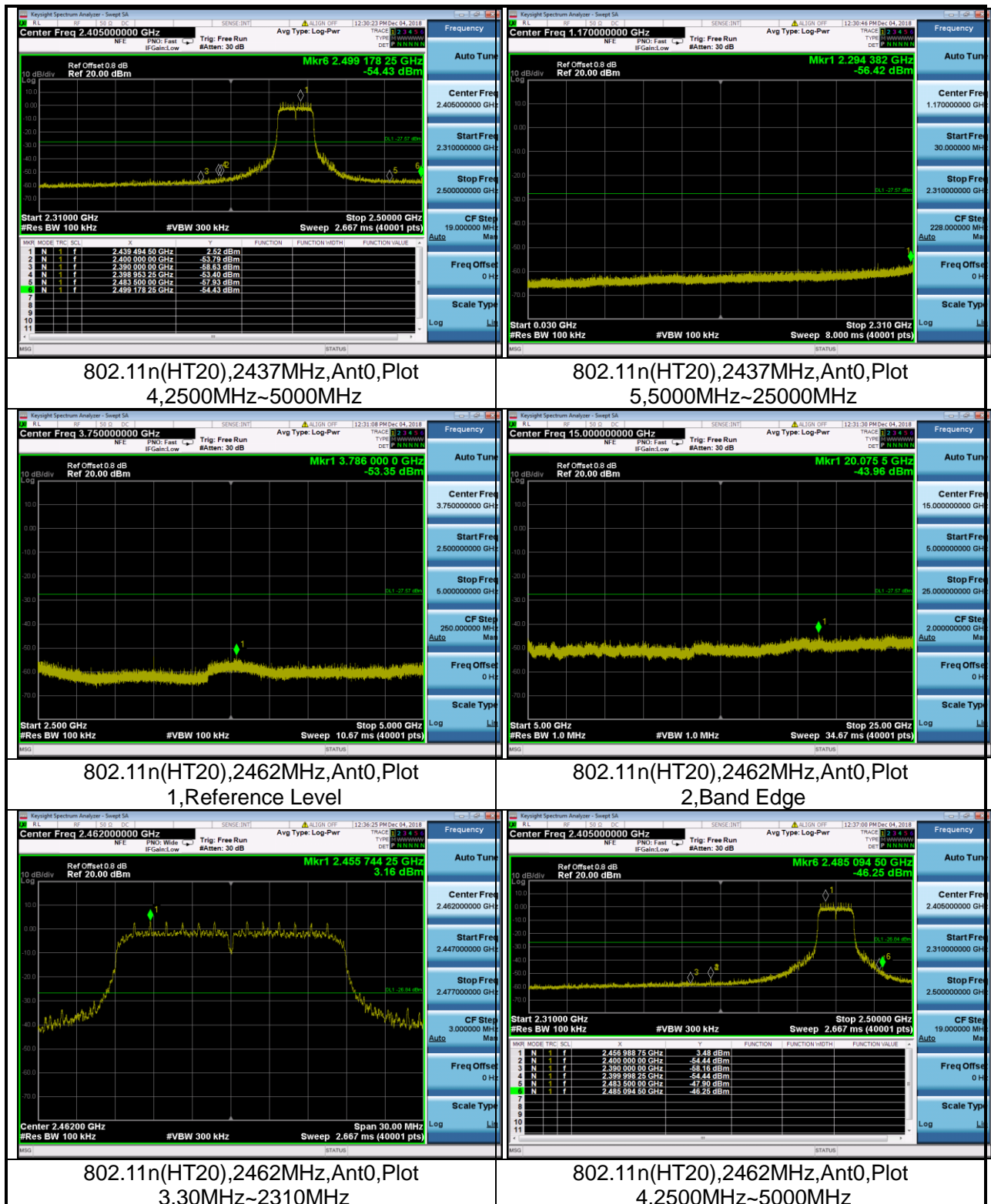


802.11n(HT20),2412MHz,Ant0,Plot 1,Reference Level

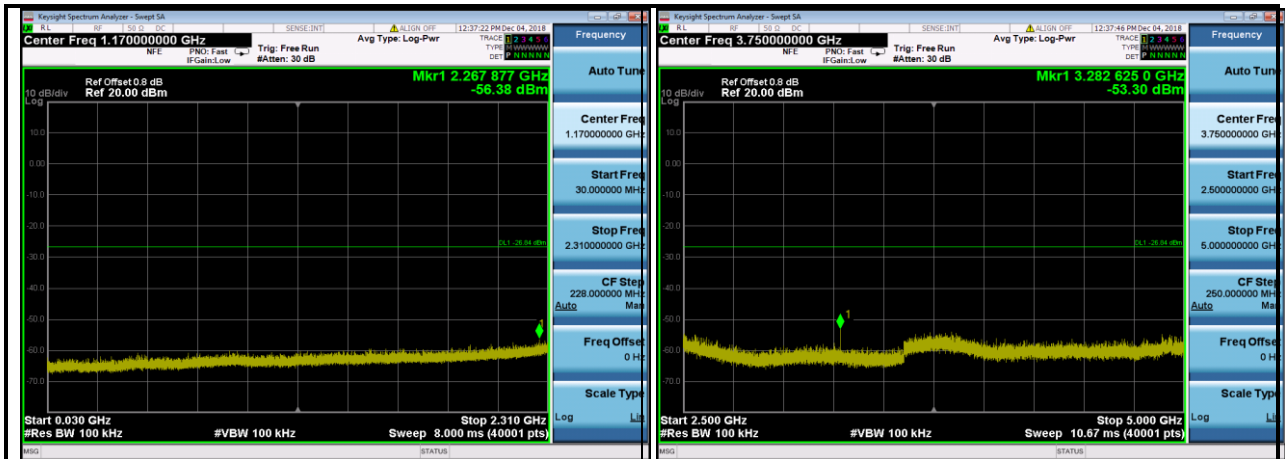
802.11n(HT20),2412MHz,Ant0,Plot 2,Band Edge



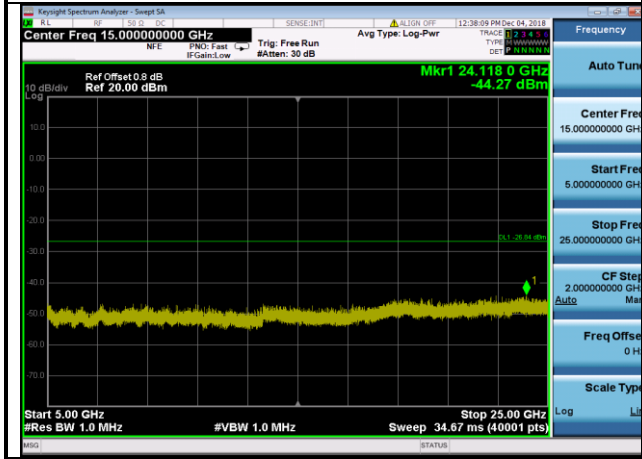
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802.11n(HT20),2462MHz,Ant0,Plot  
5,5000MHz~25000MHz



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