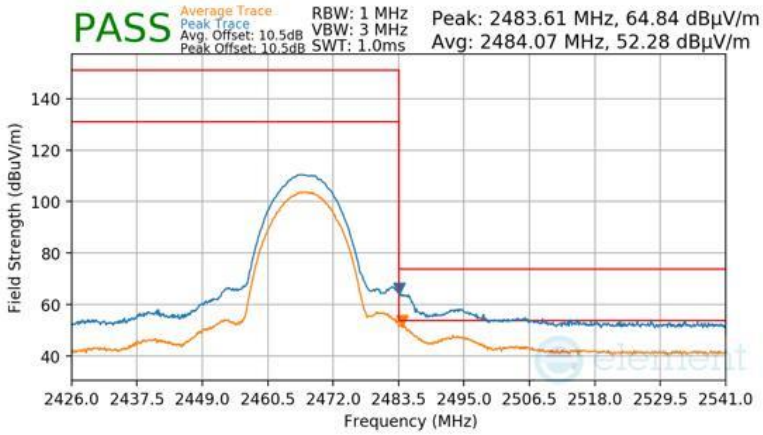
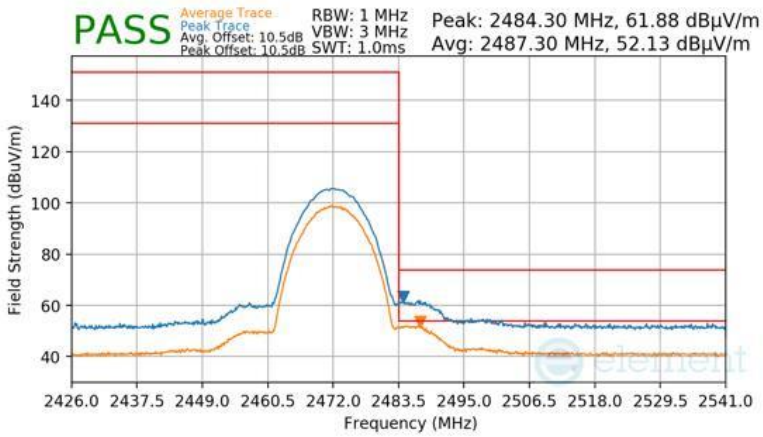
| | |
|---|---|
| **Mode** | 802.11b |
| **Data Rate** | MCS11 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2467MHz |
| **Channel** | 12 |



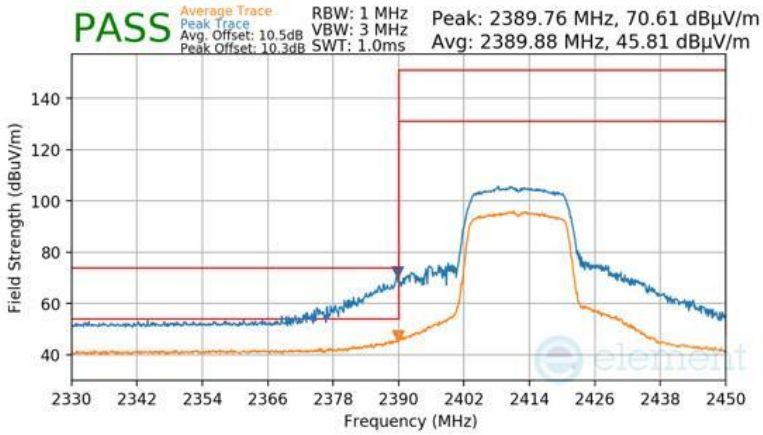

**Plot 7-153 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11b |
| **Data Rate** | MCS11 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2472MHz |
| **Channel** | 13 |



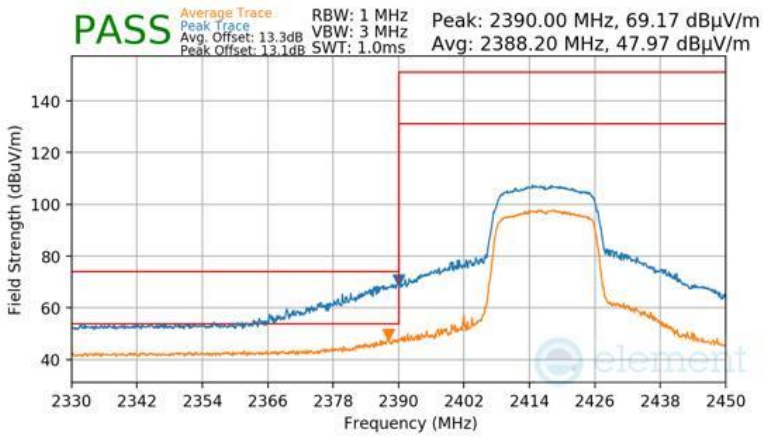

**Plot 7-154 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2412MHz |
| **Channel** | 1 |



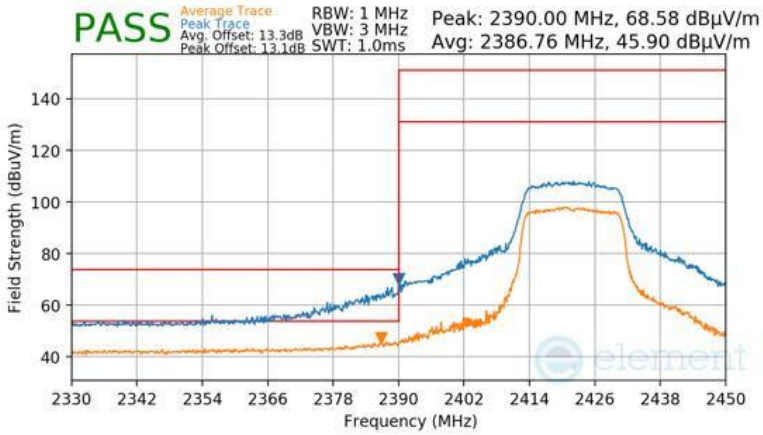

**Plot 7-155 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2417MHz |
| **Channel** | 2 |



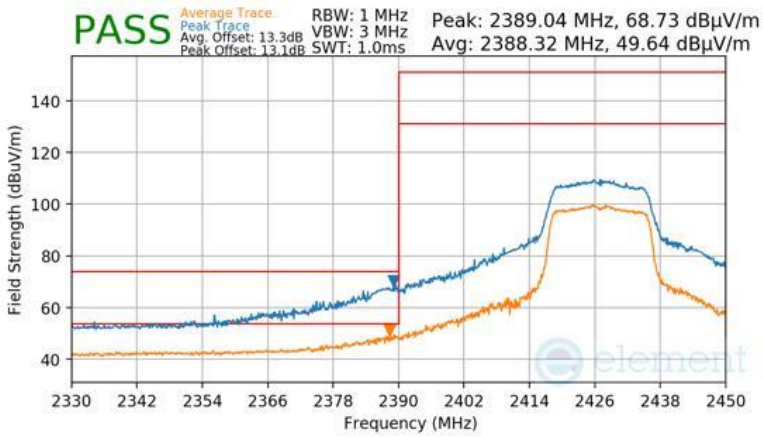

**Plot 7-156 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2422MHz |
| **Channel** | 3 |



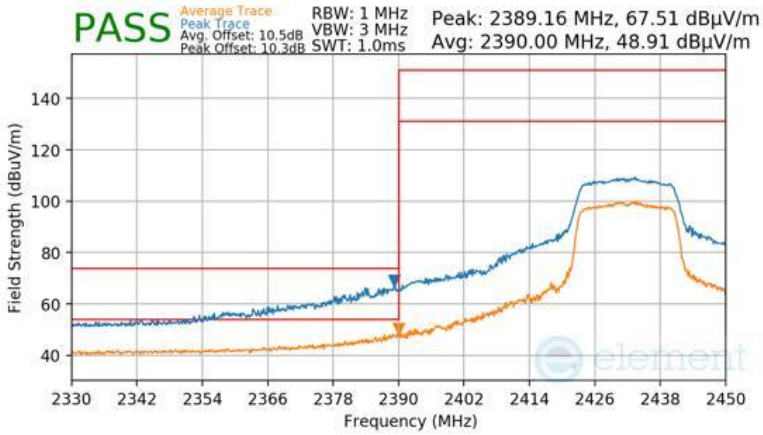

**Plot 7-157 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2427MHz |
| **Channel** | 4 |



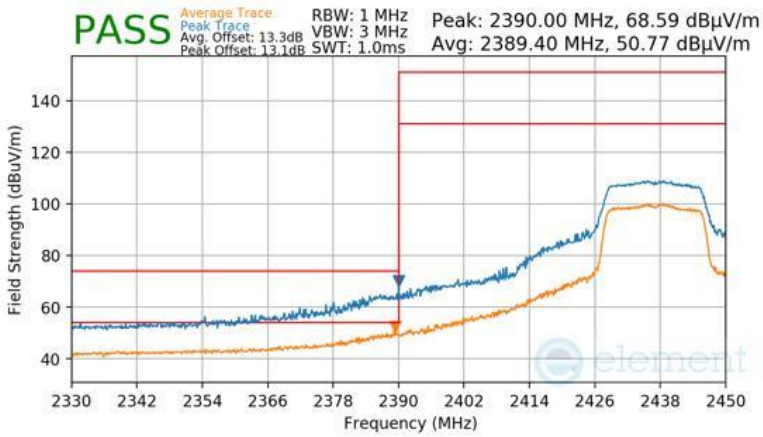

**Plot 7-158 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2432MHz |
| **Channel** | 5 |



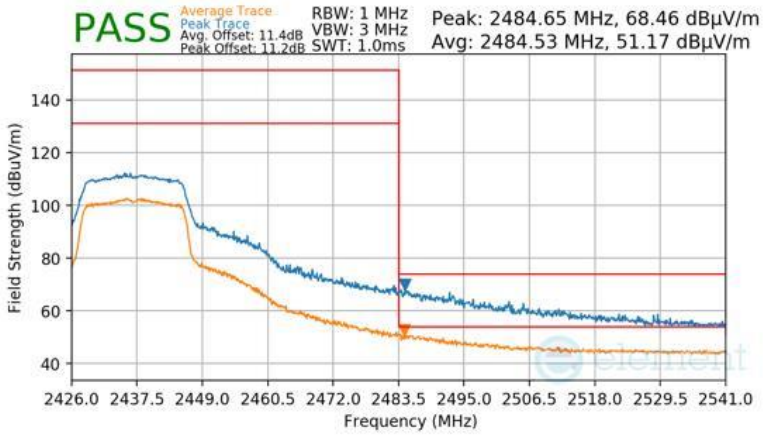

**Plot 7-159 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2437MHz |
| **Channel** | 6 |



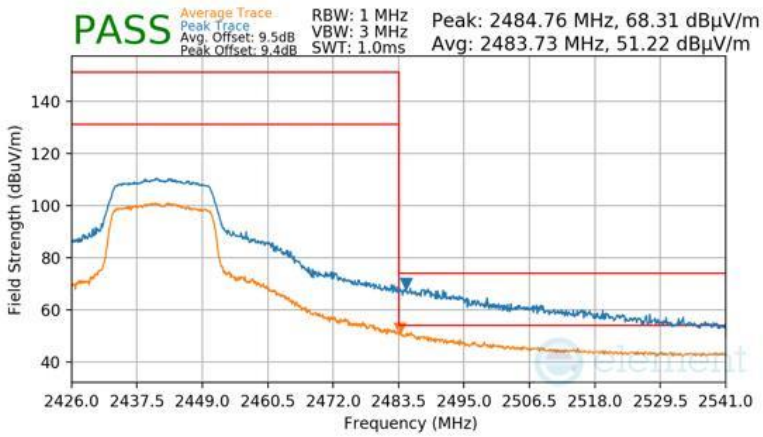

**Plot 7-160 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2437MHz |
| **Channel** | 6 |



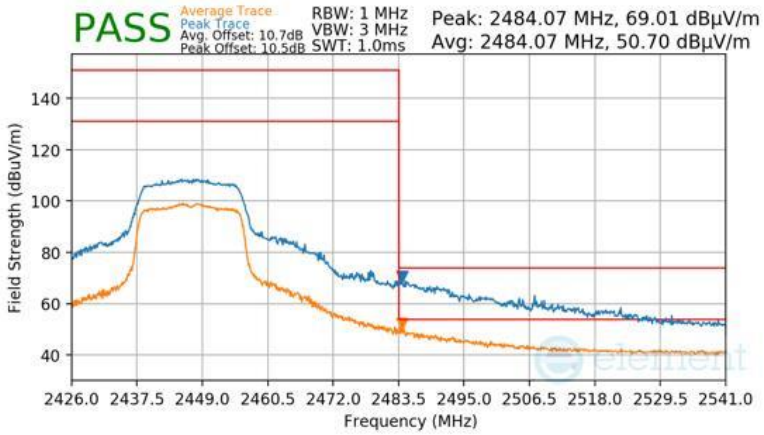

**Plot 7-161 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2442MHz |
| **Channel** | 7 |



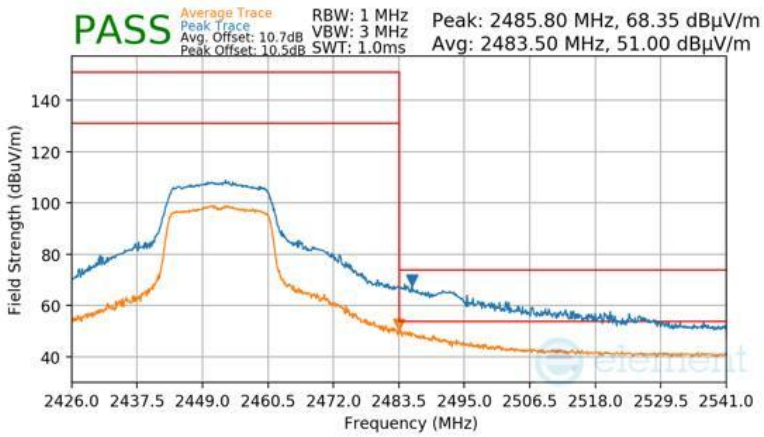

**Plot 7-162 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2447MHz |
| **Channel** | 8 |



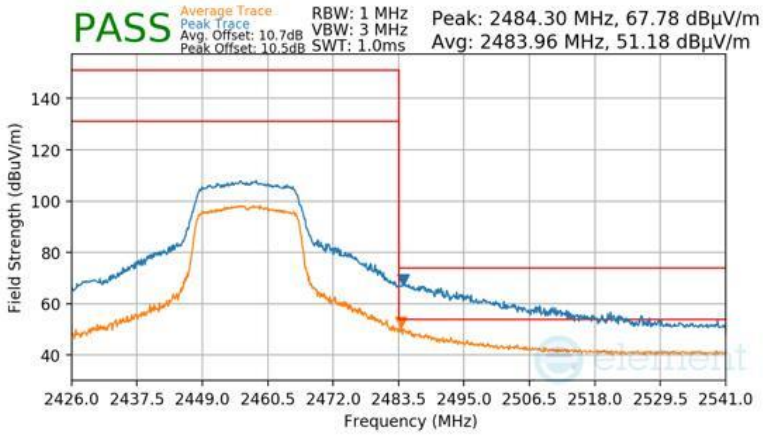

**Plot 7-163 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2452MHz |
| **Channel** | 9 |



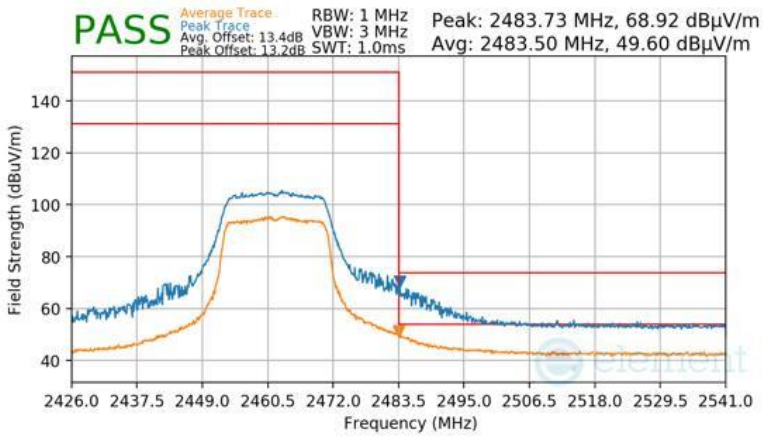

**Plot 7-164 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2457MHz |
| **Channel** | 10 |



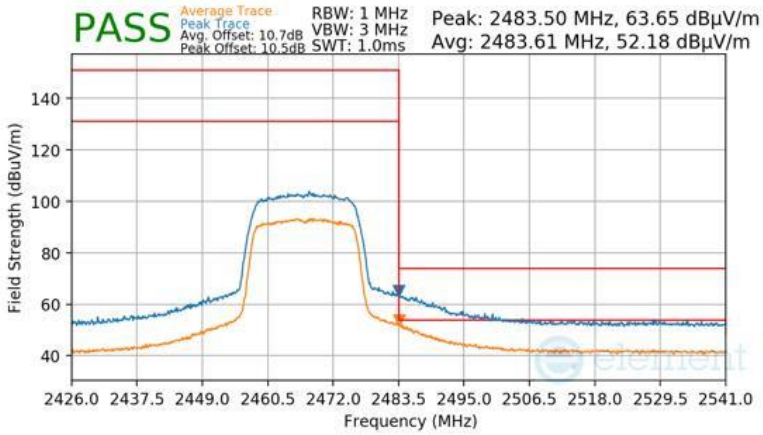

**Plot 7-165 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2462MHz |
| **Channel** | 11 |



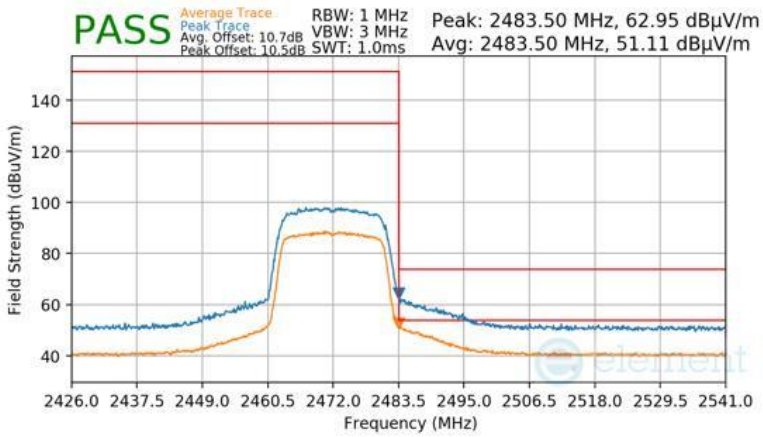

**Plot 7-166 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2467MHz |
| **Channel** | 12 |



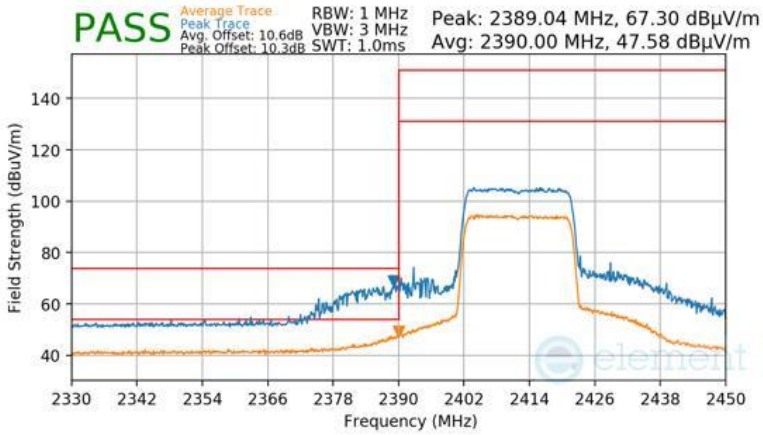

**Plot 7-167 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2472MHz |
| **Channel** | 13 |



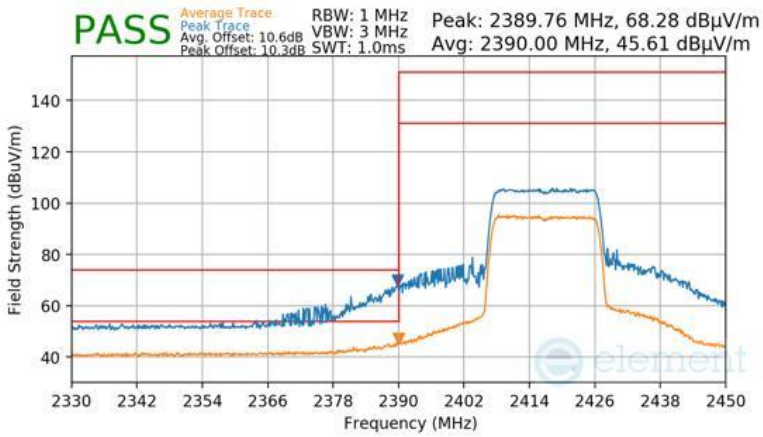

**Plot 7-168 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2412MHz |
| **Channel** | 1 |



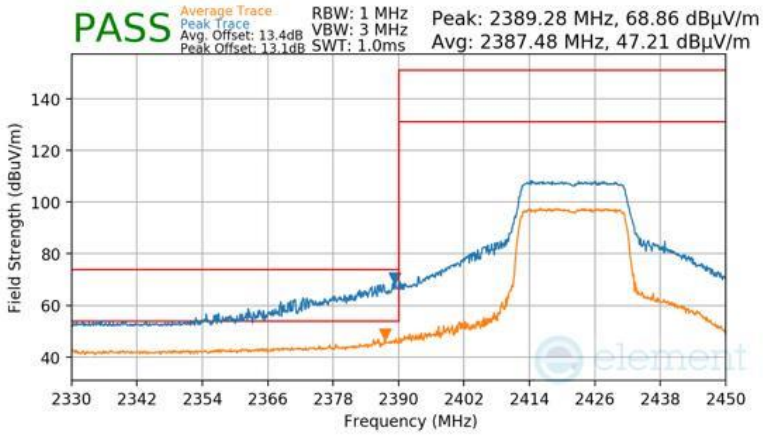

**Plot 7-169 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2417MHz |
| **Channel** | 2 |



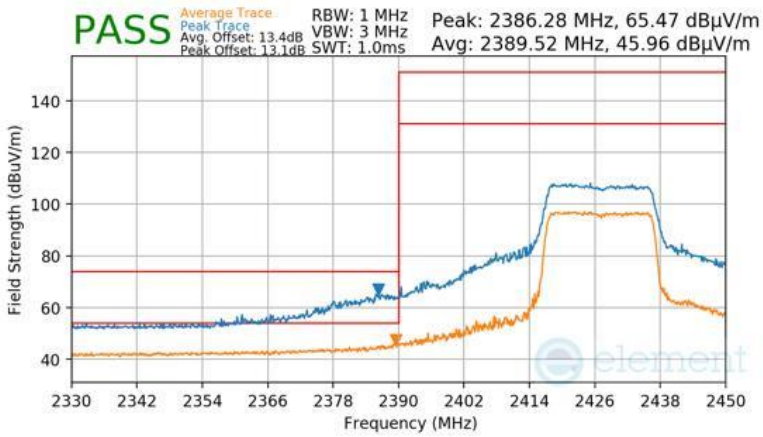

**Plot 7-170 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2422MHz |
| **Channel** | 3 |



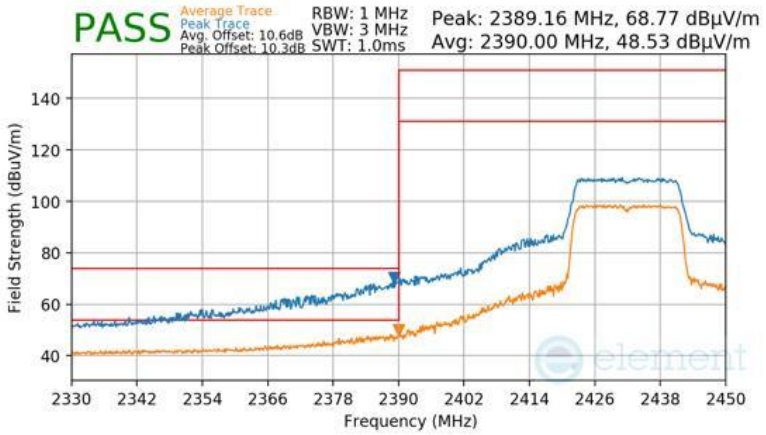

**Plot 7-171 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2427MHz |
| **Channel** | 4 |



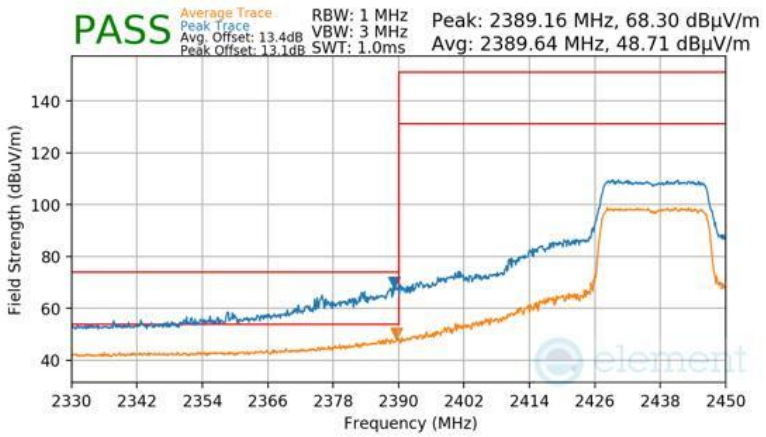

**Plot 7-172 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2432MHz |
| **Channel** | 5 |



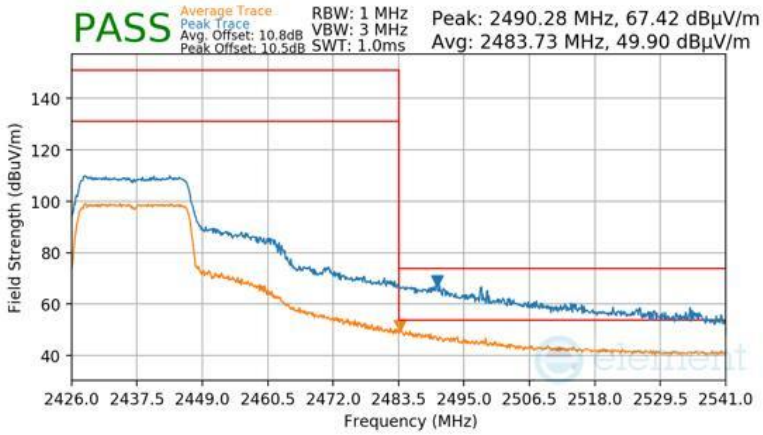

**Plot 7-173 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2437MHz |
| **Channel** | 6 |



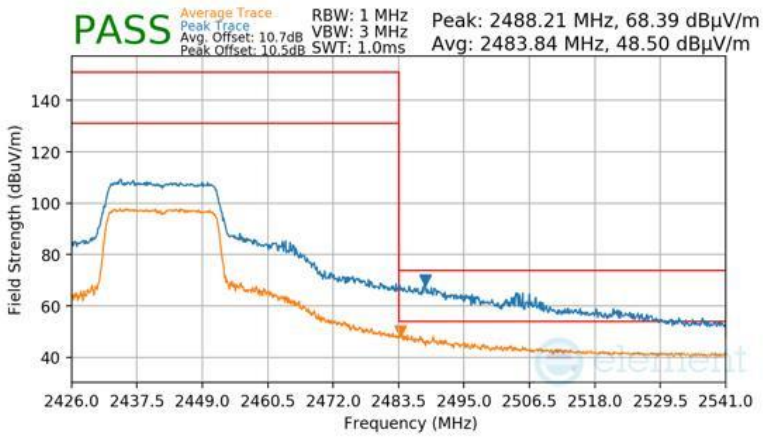

**Plot 7-174 Radiated Restricted Lower Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2437MHz |
| **Channel** | 6 |



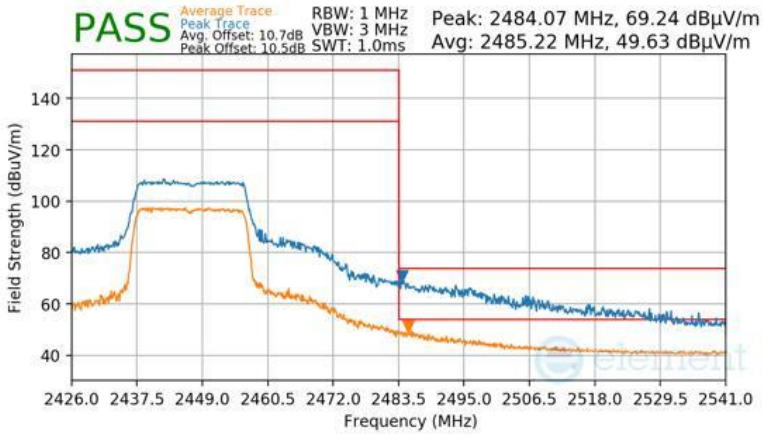

**Plot 7-175 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2442MHz |
| **Channel** | 7 |



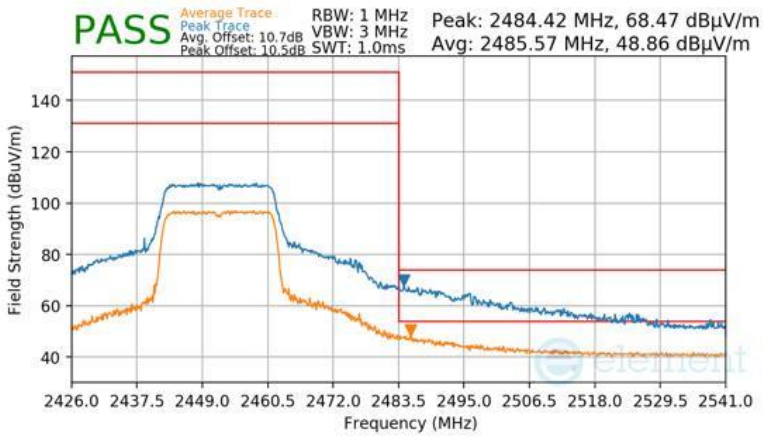

**Plot 7-176 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2447MHz |
| **Channel** | 8 |



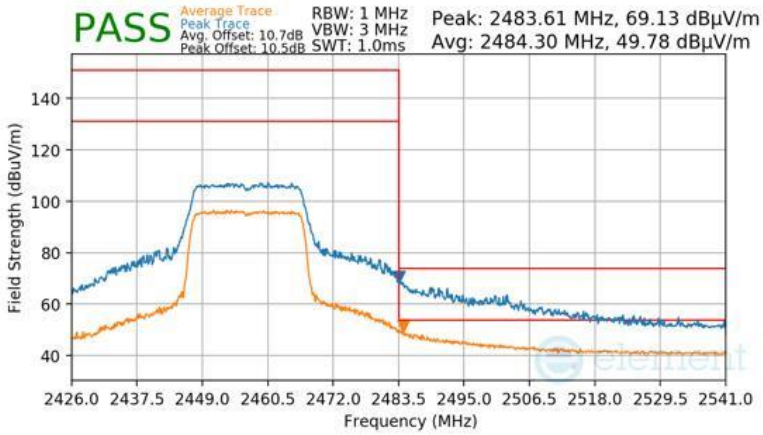

**Plot 7-177 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2452MHz |
| **Channel** | 9 |



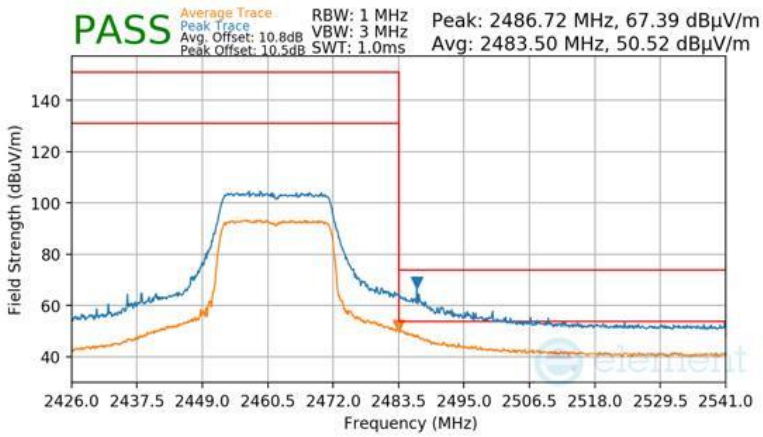

**Plot 7-178 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2457MHz |
| **Channel** | 10 |



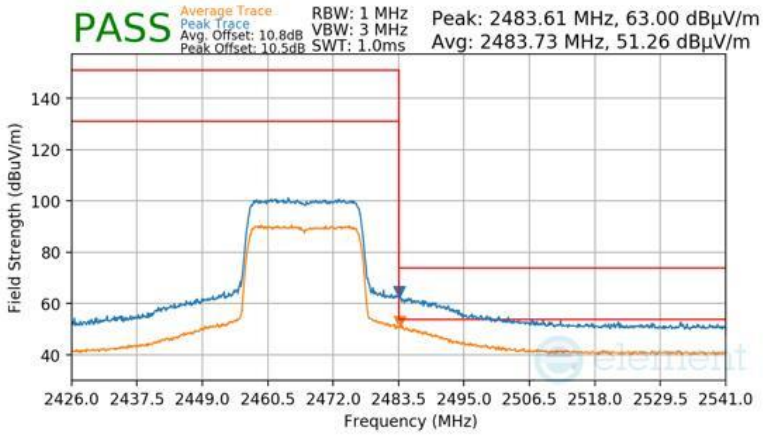

**Plot 7-179 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2462MHz |
| **Channel** | 11 |




**Plot 7-180 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2467MHz |
| **Channel** | 12 |

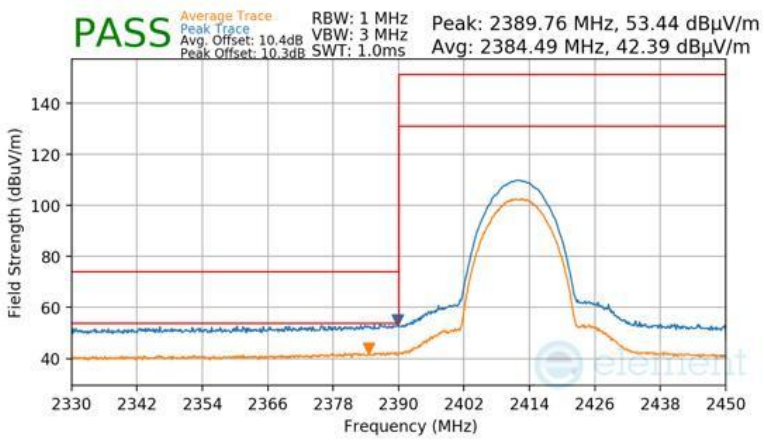



**Plot 7-181 Radiated Restricted Upper Band Edge Measurement Antenna WF8**

## 7.7.4 Antenna WF7b Radiated Restricted Band Edge Measurements

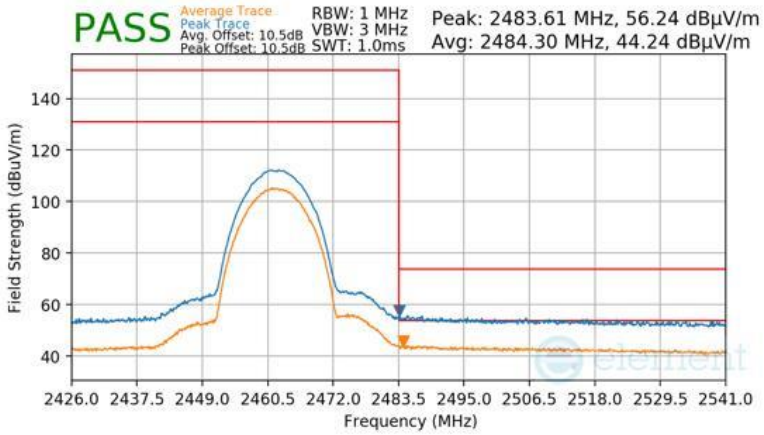
**§15.205 §15.209; RSS-Gen [8.9]**

| | |
|---|---|
| **Mode** | 802.11b |
| **Data Rate** | MCS11 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2412MHz |
| **Channel** | 1 |



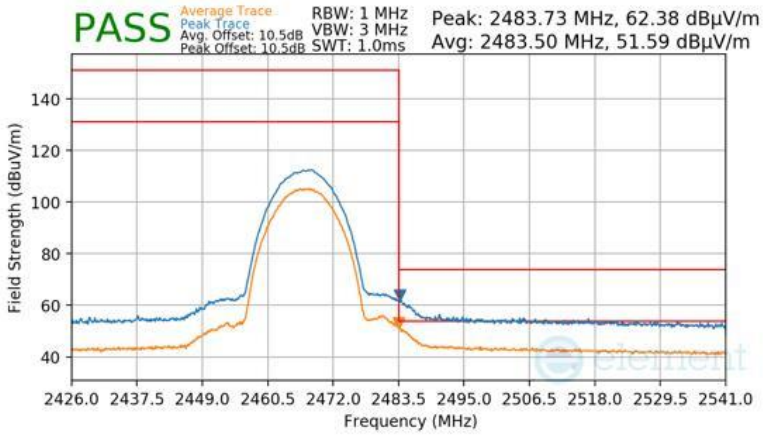

**Plot 7-182 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11b |
| **Data Rate** | MCS11 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2462MHz |
| **Channel** | 11 |



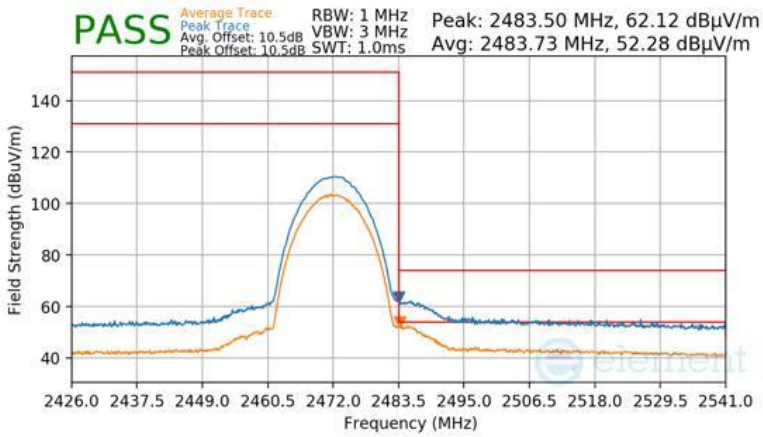

**Plot 7-183 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11b |
| **Data Rate** | MCS11 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2467MHz |
| **Channel** | 12 |



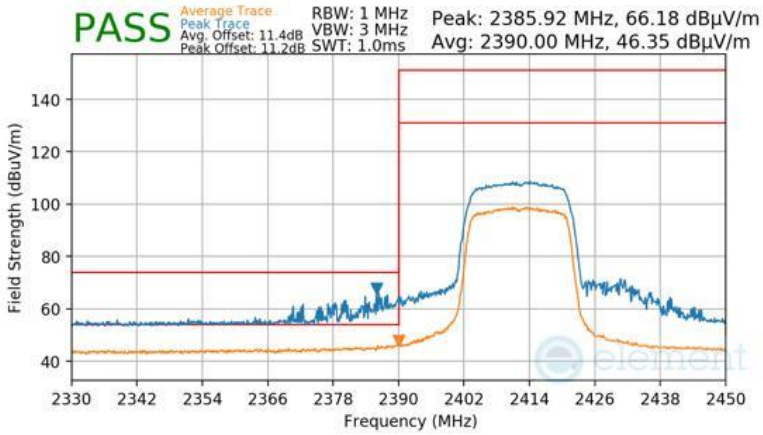

**Plot 7-184 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11b |
| **Data Rate** | MCS11 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2472MHz |
| **Channel** | 13 |



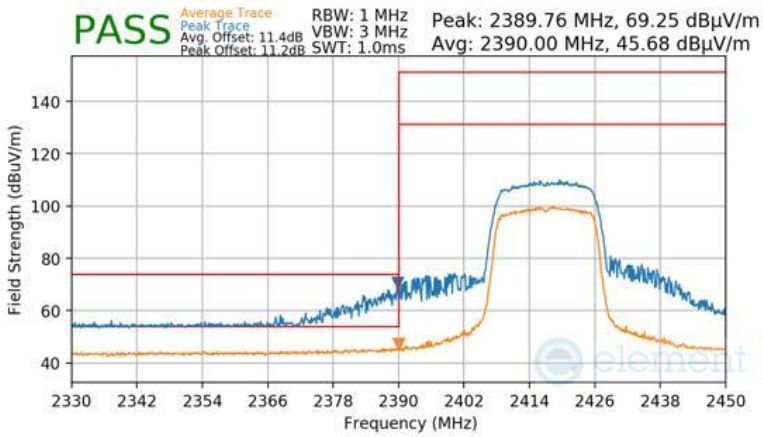

**Plot 7-185 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2412MHz |
| **Channel** | 1 |



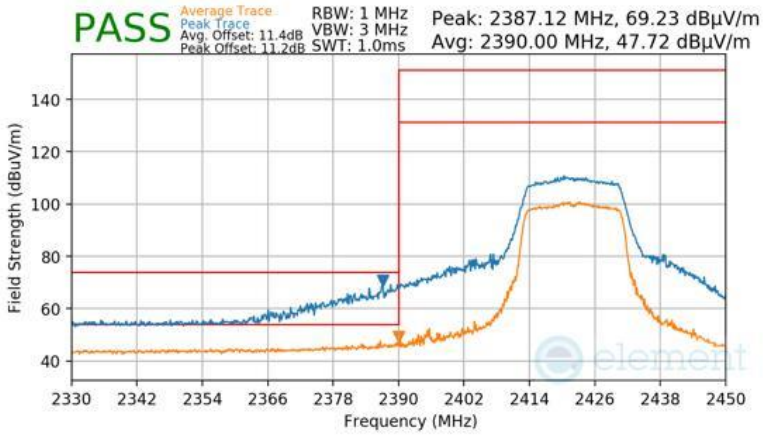

**Plot 7-186 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2417MHz |
| **Channel** | 2 |



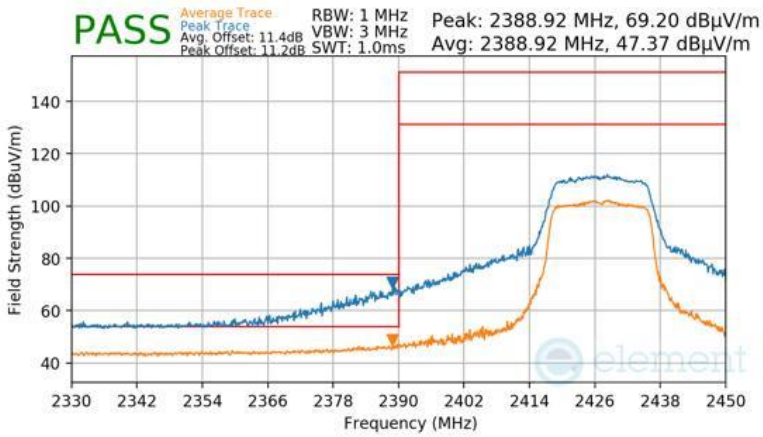

**Plot 7-187 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2422MHz |
| **Channel** | 3 |



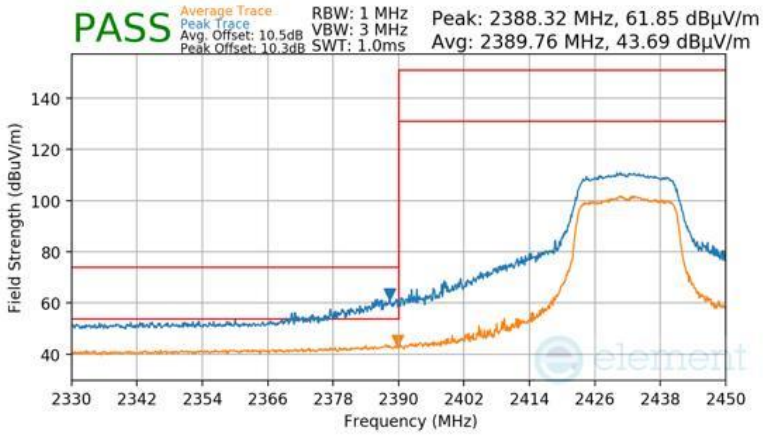

**Plot 7-188 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2427MHz |
| **Channel** | 4 |



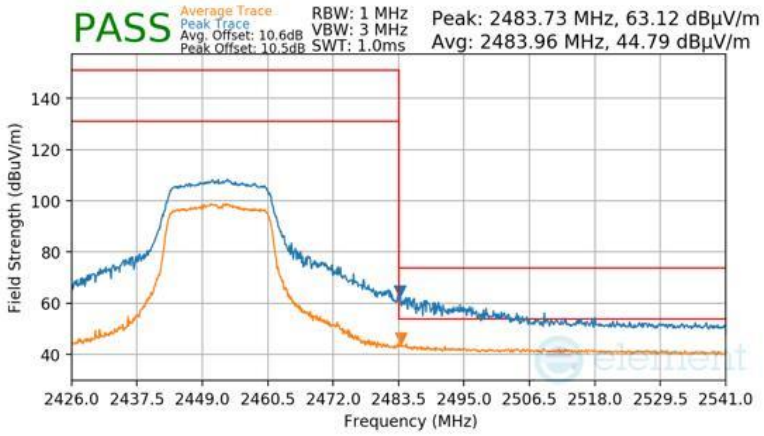

**Plot 7-189 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2432MHz |
| **Channel** | 5 |



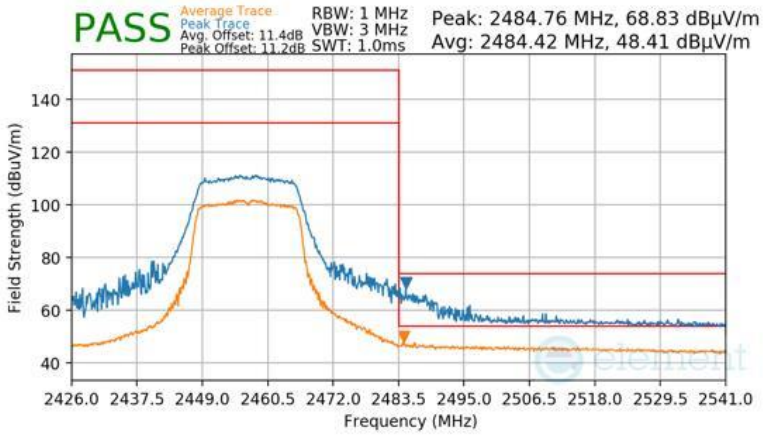

**Plot 7-190 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2452MHz |
| **Channel** | 9 |



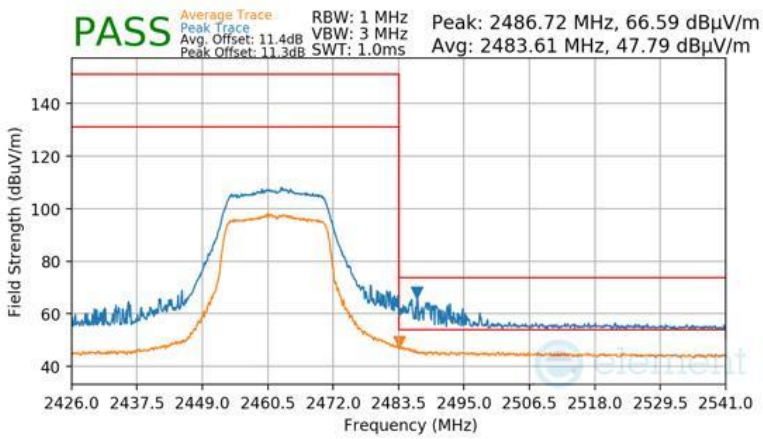

**Plot 7-191 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2457MHz |
| **Channel** | 10 |



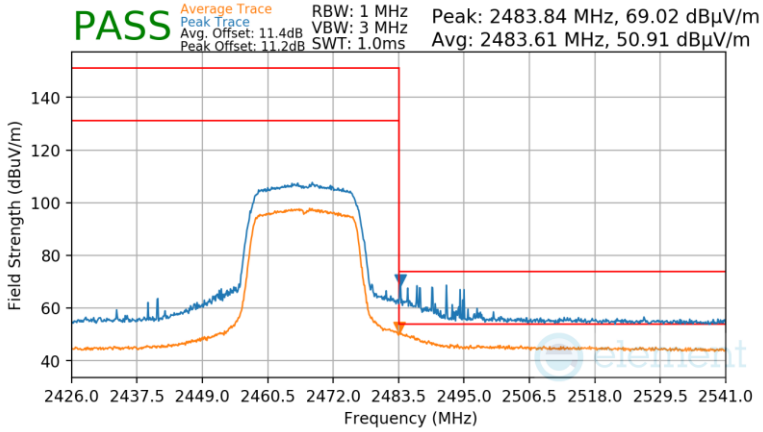

**Plot 7-192 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2462MHz |
| **Channel** | 11 |



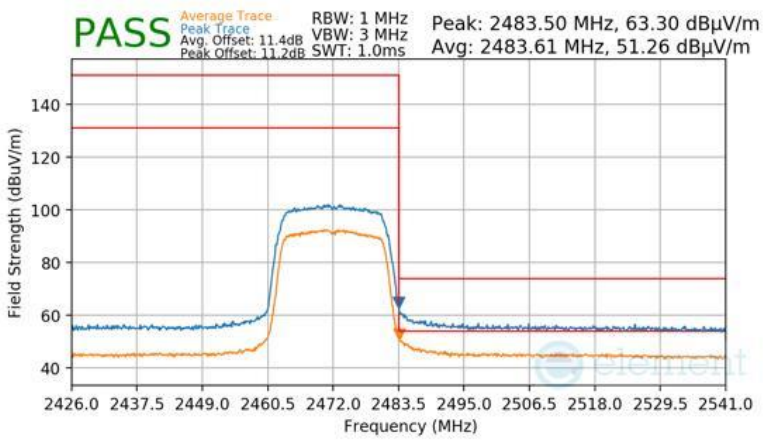

**Plot 7-193 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2467MHz |
| **Channel** | 12 |



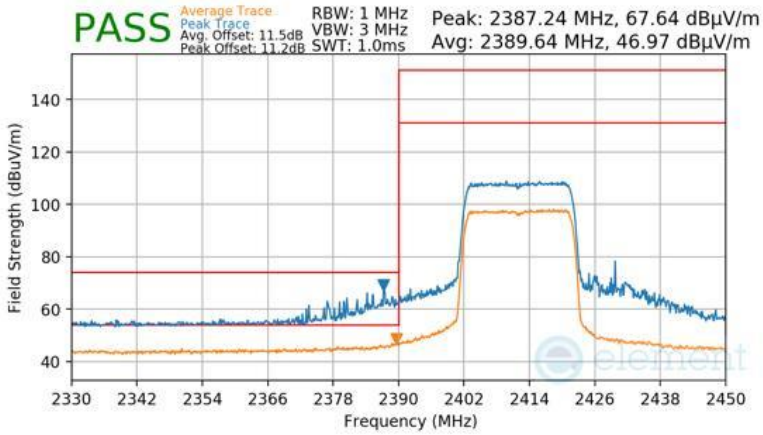

**Plot 7-194 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS7 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2472MHz |
| **Channel** | 13 |



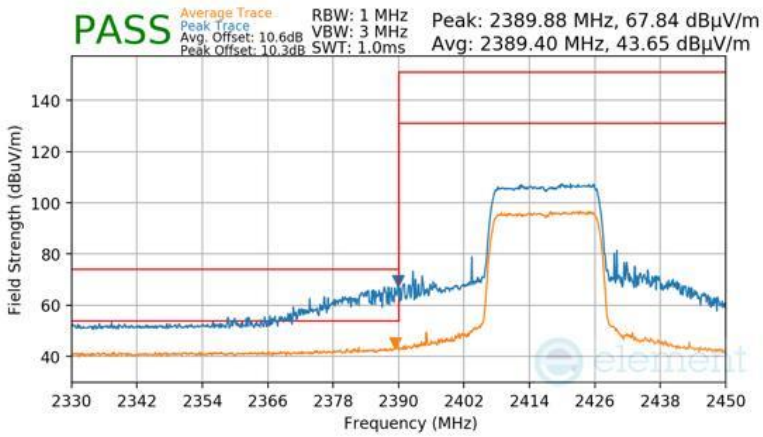

**Plot 7-195 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2412MHz |
| **Channel** | 1 |



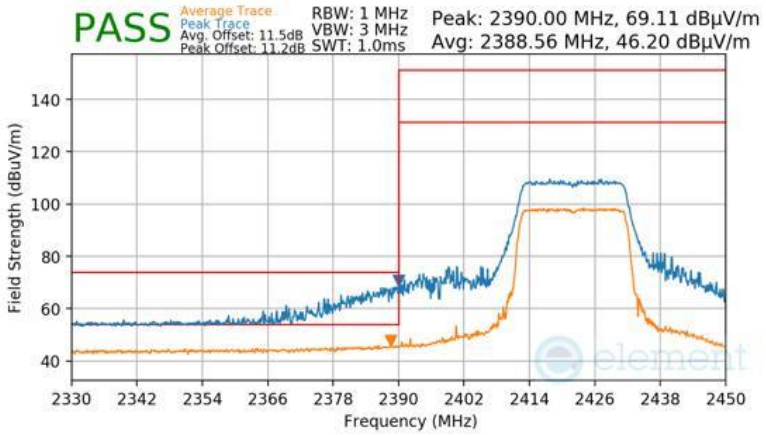

**Plot 7-196 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2417MHz |
| **Channel** | 2 |



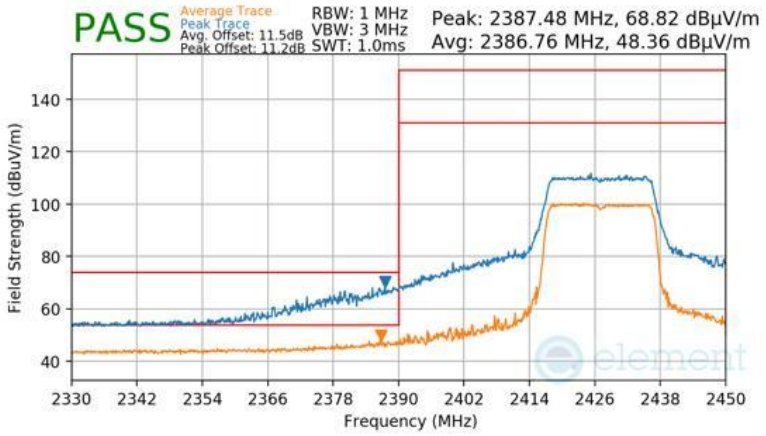

**Plot 7-197 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2422MHz |
| **Channel** | 3 |



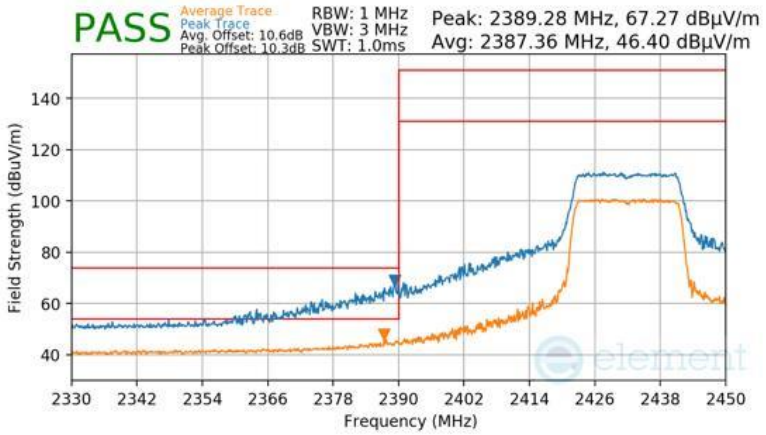

**Plot 7-198 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2427MHz |
| **Channel** | 4 |



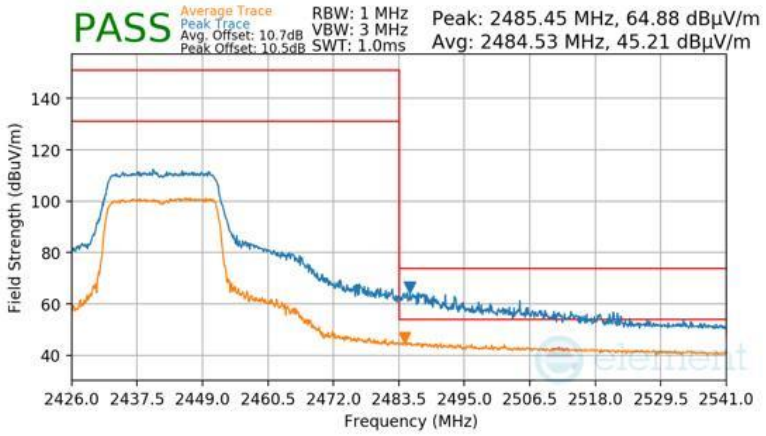

**Plot 7-199 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2432MHz |
| **Channel** | 5 |



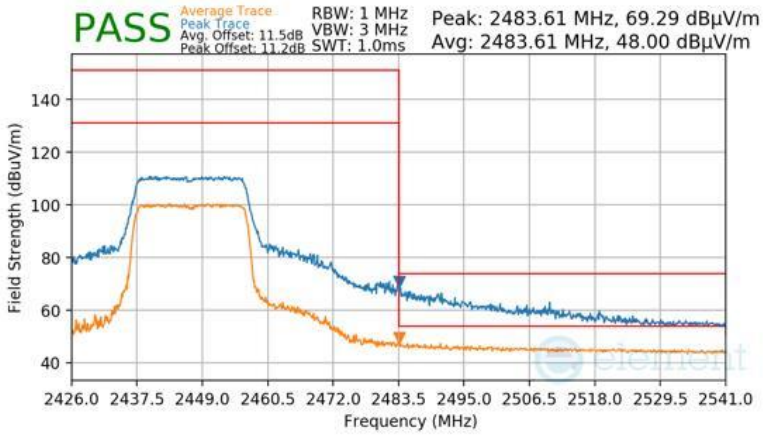

**Plot 7-200 Radiated Restricted Lower Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2442MHz |
| **Channel** | 7 |



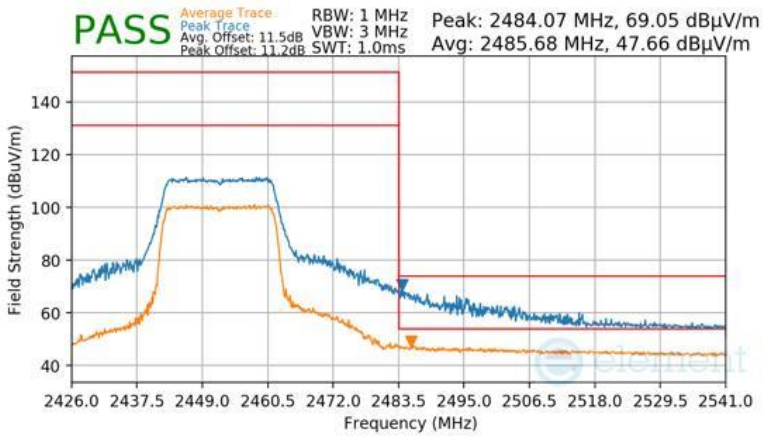

**Plot 7-201 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2447MHz |
| **Channel** | 8 |



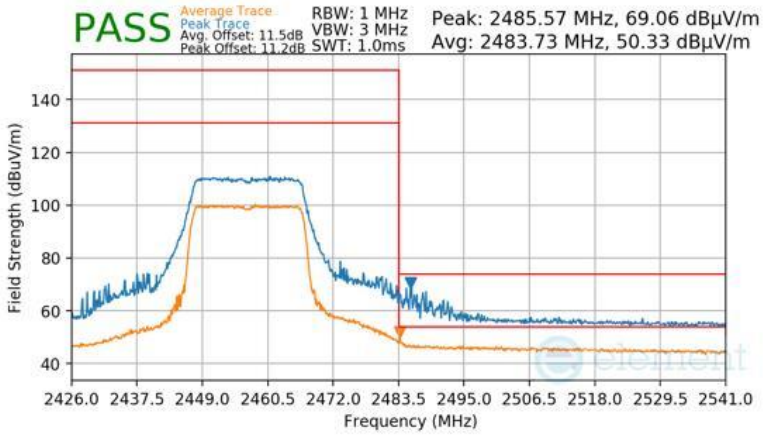

**Plot 7-202 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2452MHz |
| **Channel** | 9 |



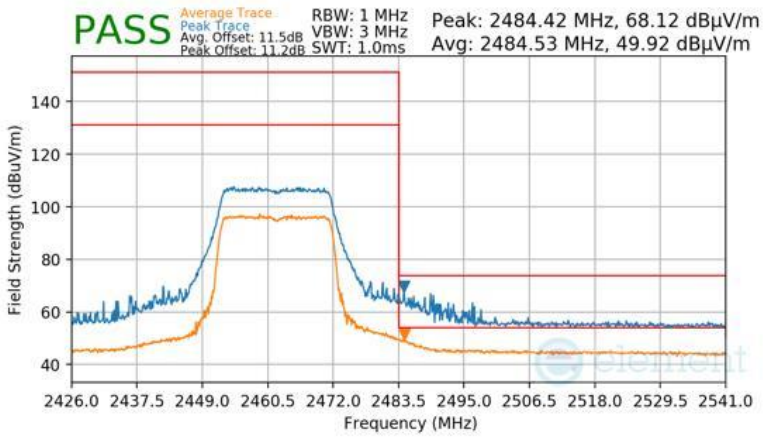

**Plot 7-203 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2457MHz |
| **Channel** | 10 |



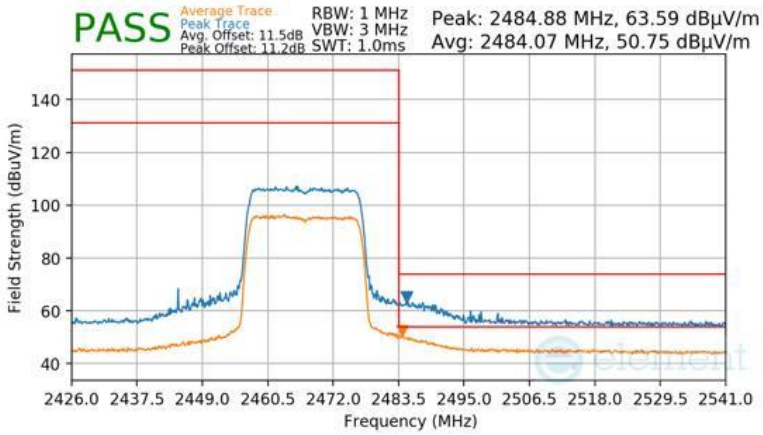

**Plot 7-204 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2462MHz |
| **Channel** | 11 |




**Plot 7-205 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2467MHz |
| **Channel** | 12 |

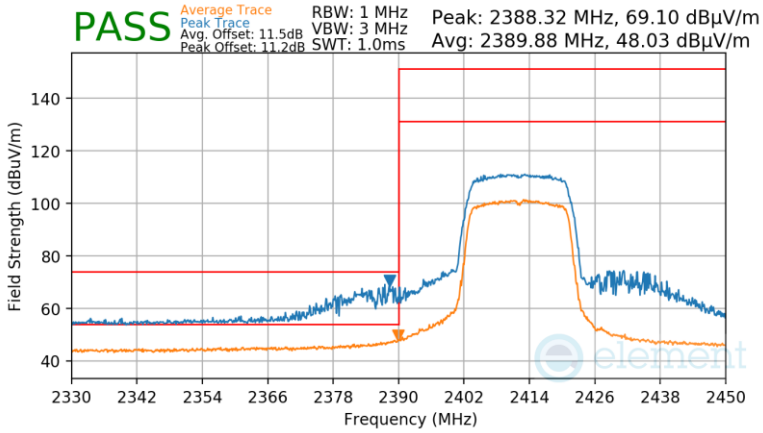



**Plot 7-206 Radiated Restricted Upper Band Edge Measurement Antenna WF7b**

## 7.7.5 CDD Radiated Restricted Band Edge Measurements

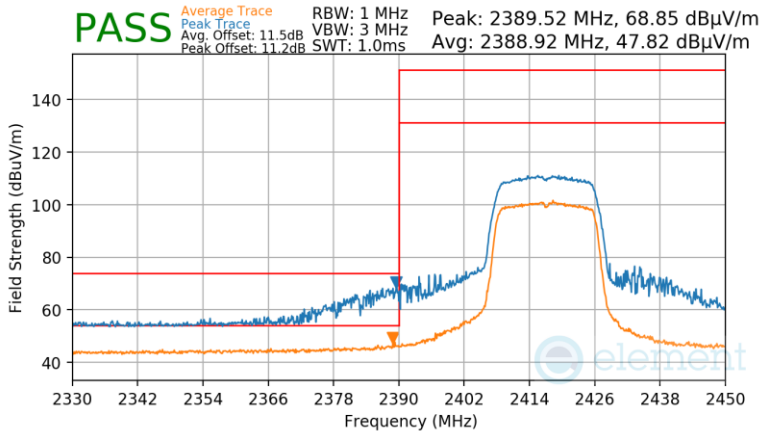
**§15.205 §15.209; RSS-Gen [8.9]**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2412MHz |
| **Channel** | 1 |



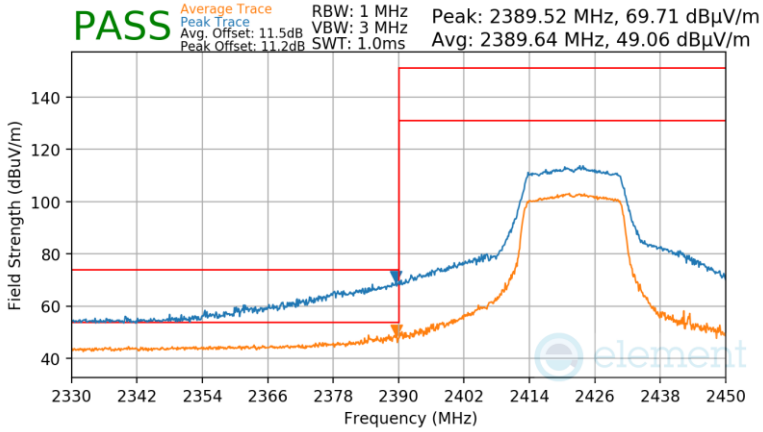

**Plot 7-207 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2417MHz |
| **Channel** | 2 |



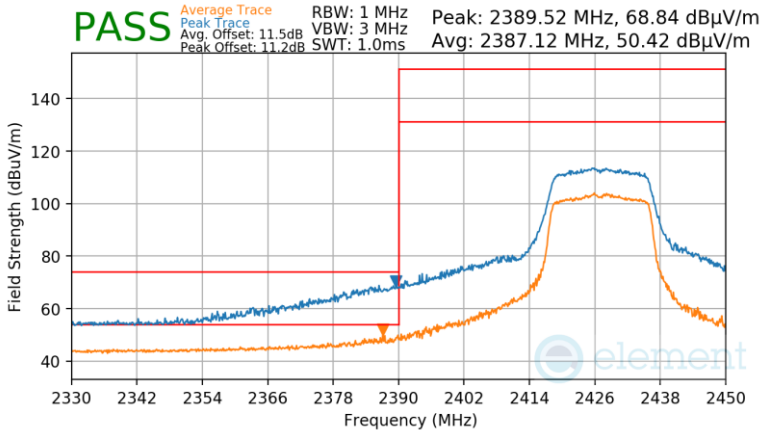

**Plot 7-208 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2422MHz |
| **Channel** | 3 |



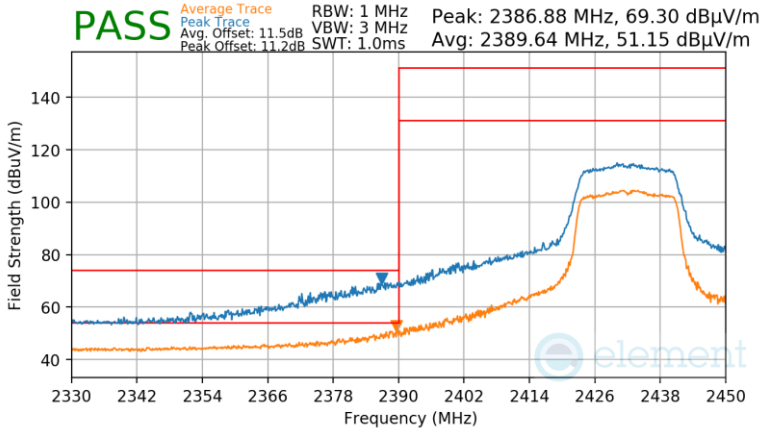

**Plot 7-209 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2427MHz |
| **Channel** | 4 |



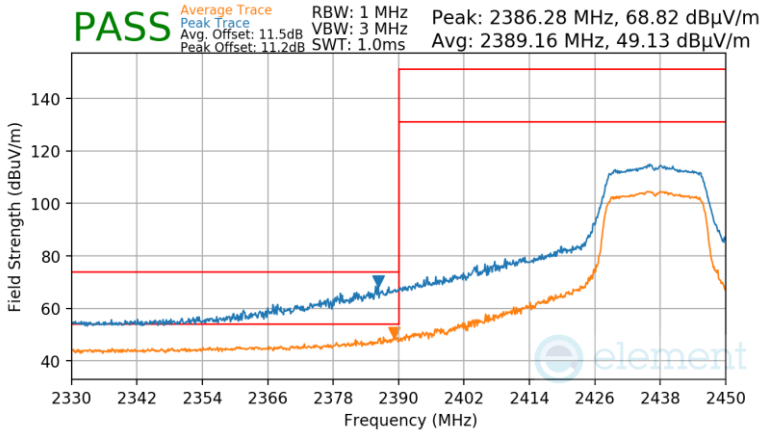

**Plot 7-210 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2432MHz |
| **Channel** | 5 |



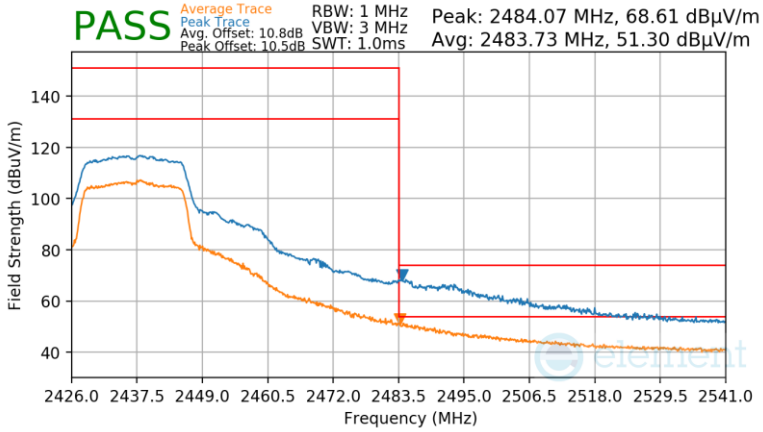

**Plot 7-211 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2437MHz |
| **Channel** | 6 |



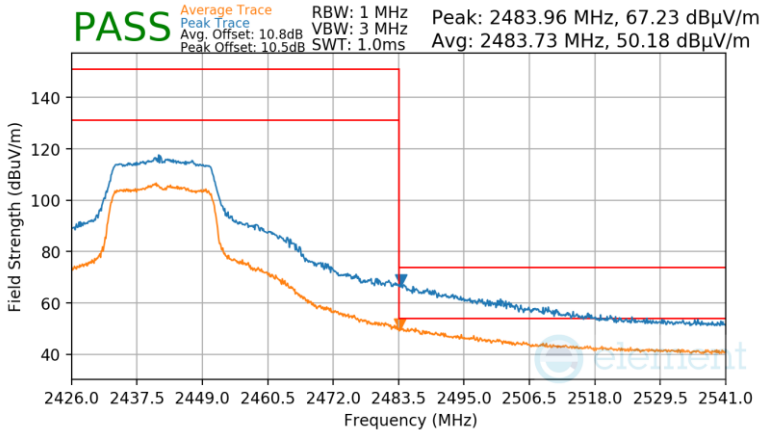

**Plot 7-212 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2437MHz |
| **Channel** | 6 |



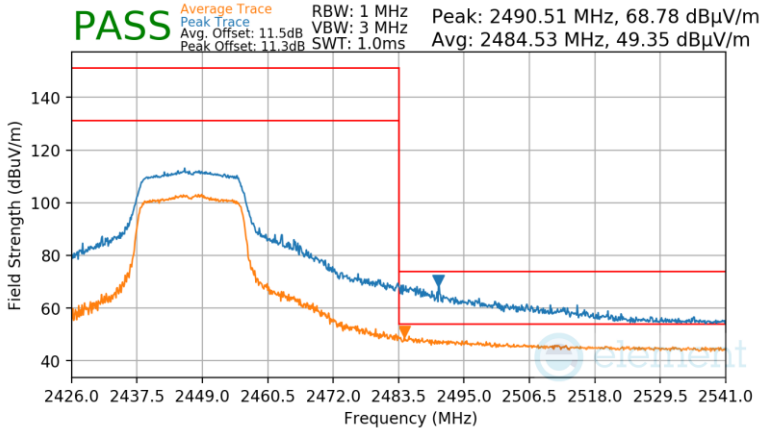

**Plot 7-213 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2442MHz |
| **Channel** | 7 |



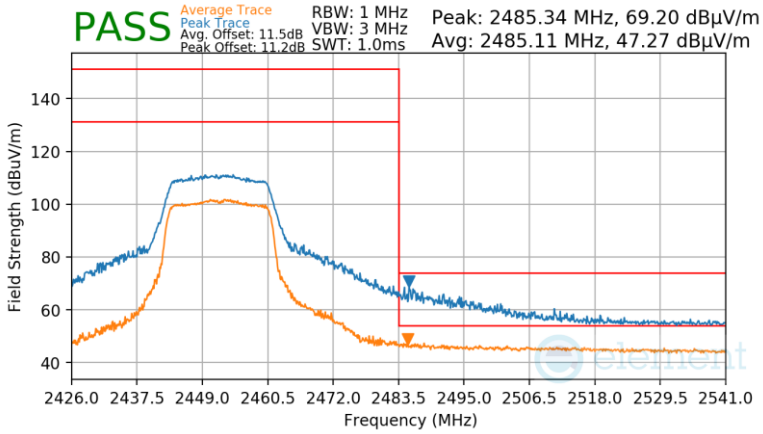

**Plot 7-214 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2447MHz |
| **Channel** | 8 |



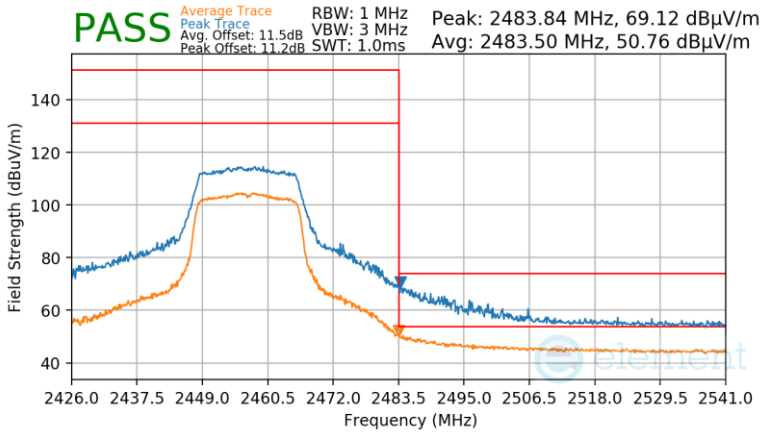

**Plot 7-215 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2452MHz |
| **Channel** | 9 |



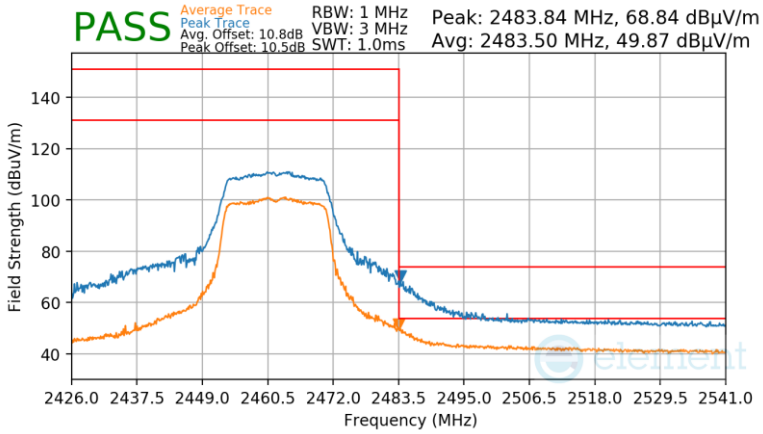

**Plot 7-216 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2457MHz |
| **Channel** | 10 |



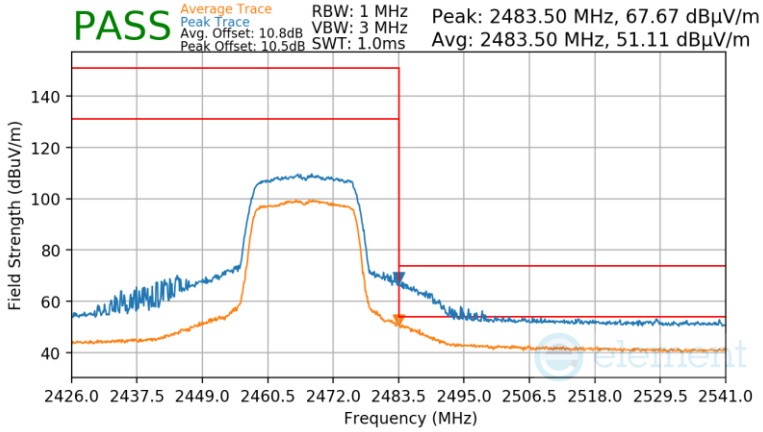

**Plot 7-217 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2462MHz |
| **Channel** | 11 |



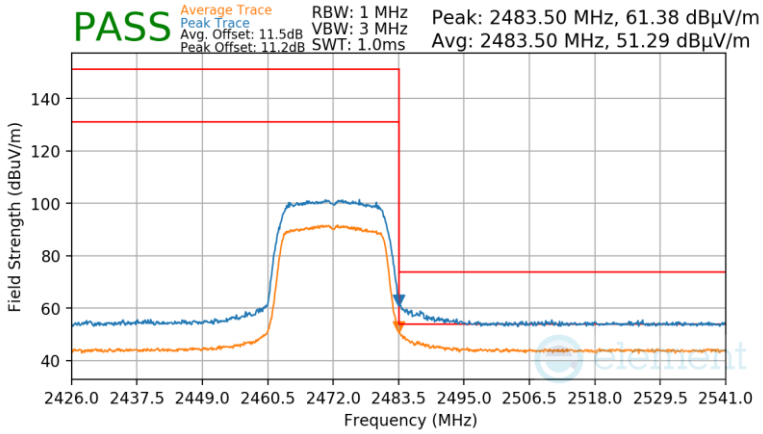

**Plot 7-218 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2467MHz |
| **Channel** | 12 |



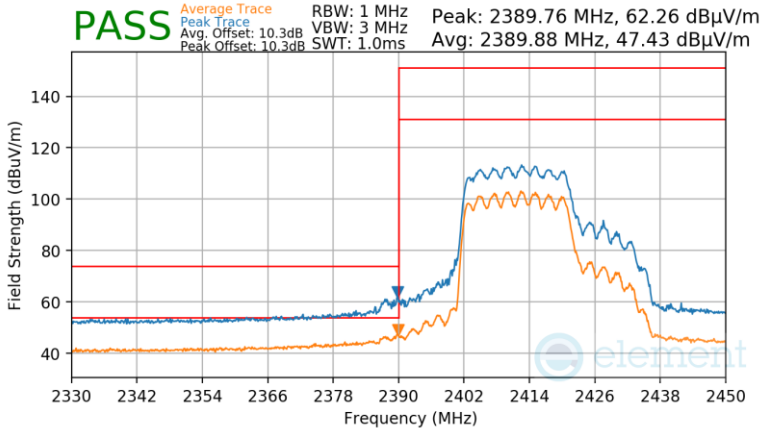

**Plot 7-219 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11n |
| **Data Rate** | MCS15 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2472MHz |
| **Channel** | 13 |



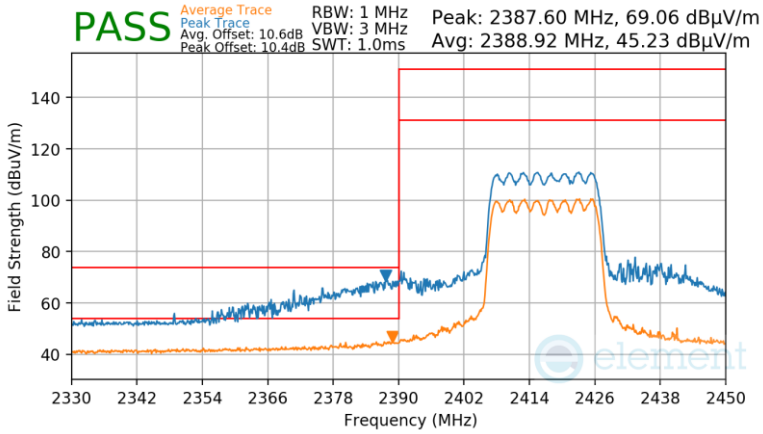

**Plot 7-220 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2412MHz |
| **Channel** | 1 |



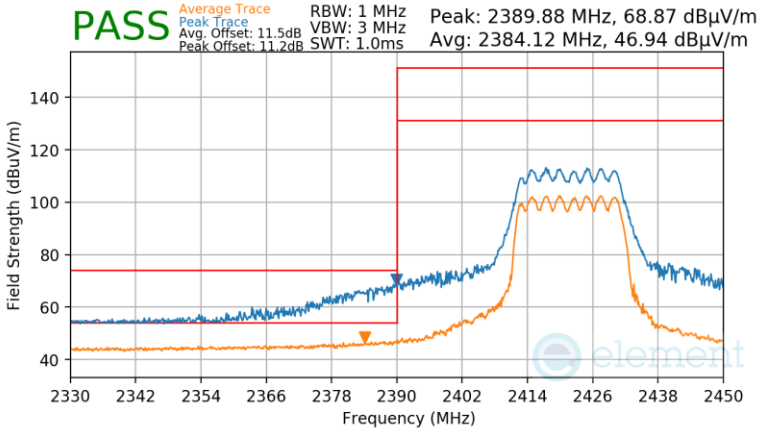

**Plot 7-221 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2417MHz |
| **Channel** | 2 |



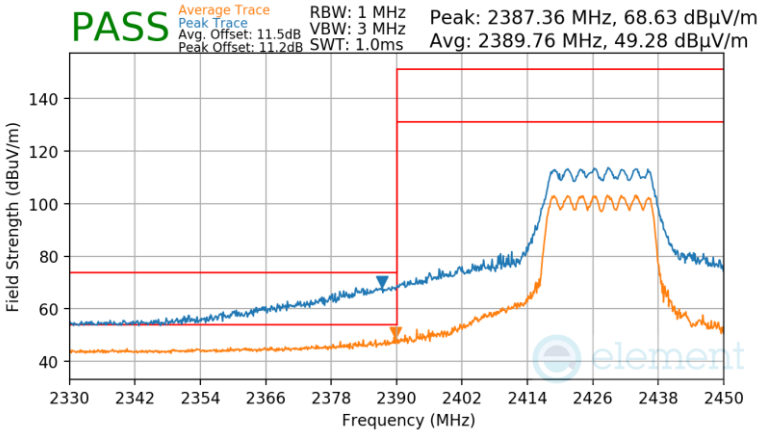

**Plot 7-222 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2422MHz |
| **Channel** | 3 |



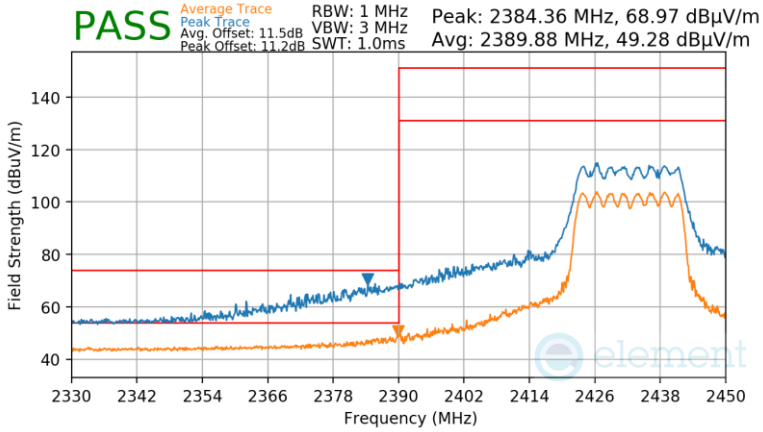

**Plot 7-223 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2427MHz |
| **Channel** | 4 |



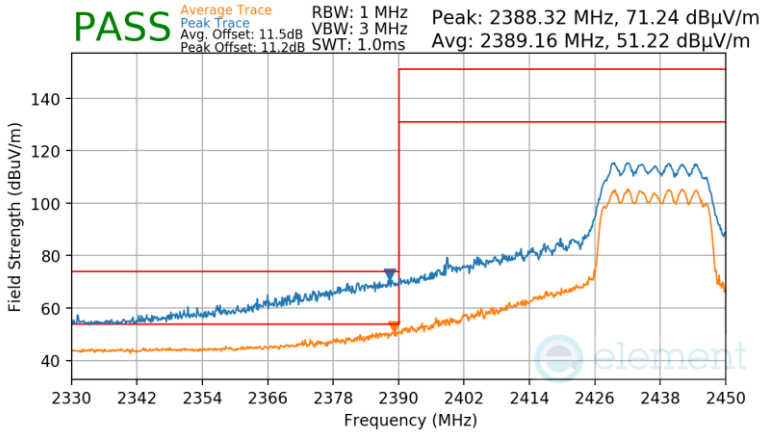

**Plot 7-224 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2432MHz |
| **Channel** | 5 |



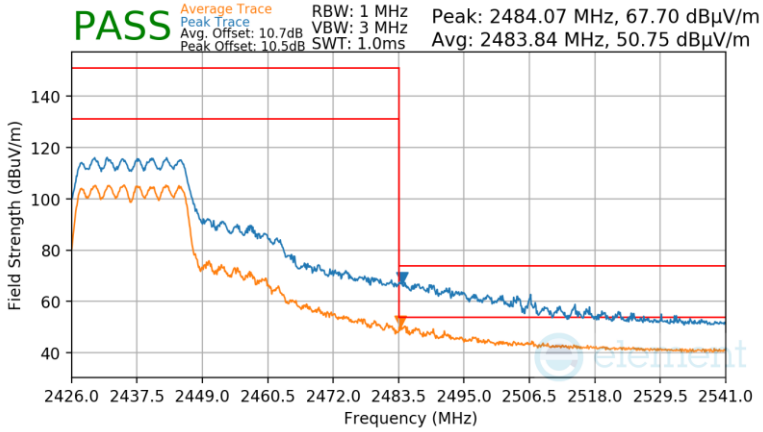

**Plot 7-225 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2437MHz |
| **Channel** | 6 |



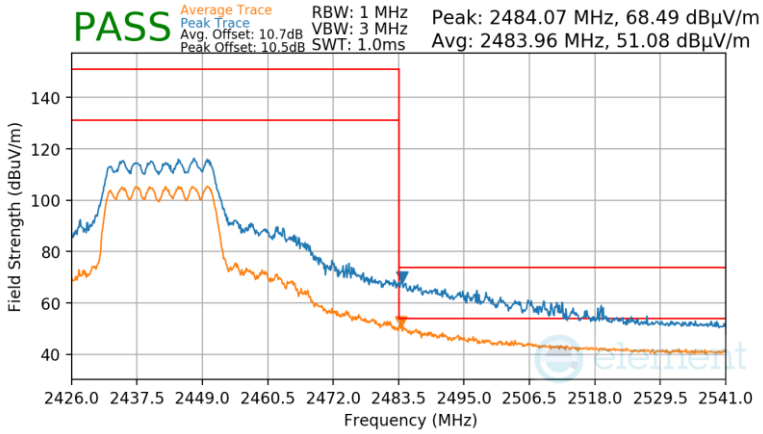

**Plot 7-226 Radiated Restricted Lower Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2437MHz |
| **Channel** | 6 |



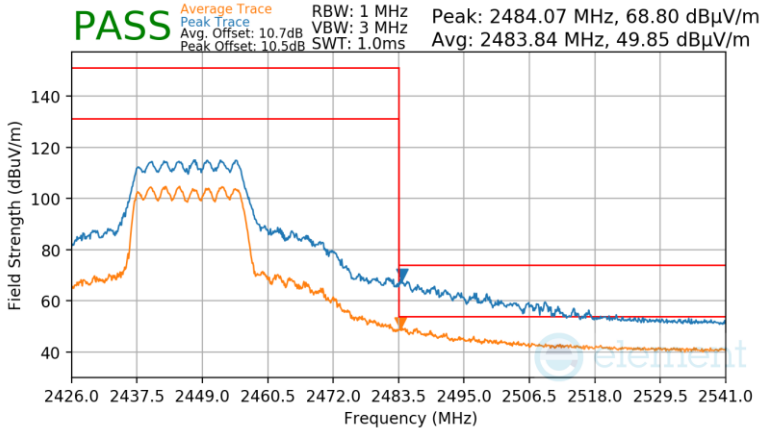

**Plot 7-227 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2442MHz |
| **Channel** | 7 |



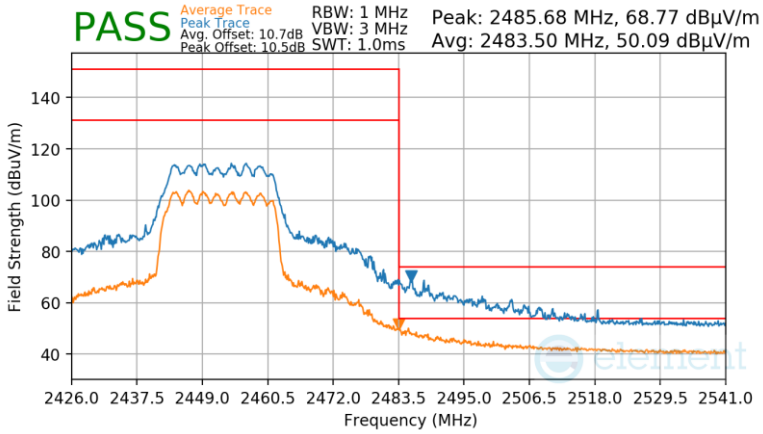

**Plot 7-228 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2447MHz |
| **Channel** | 8 |



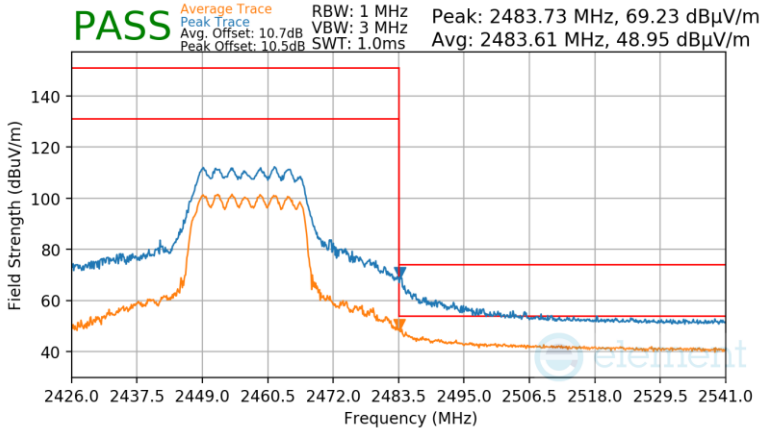

**Plot 7-229 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2452MHz |
| **Channel** | 9 |



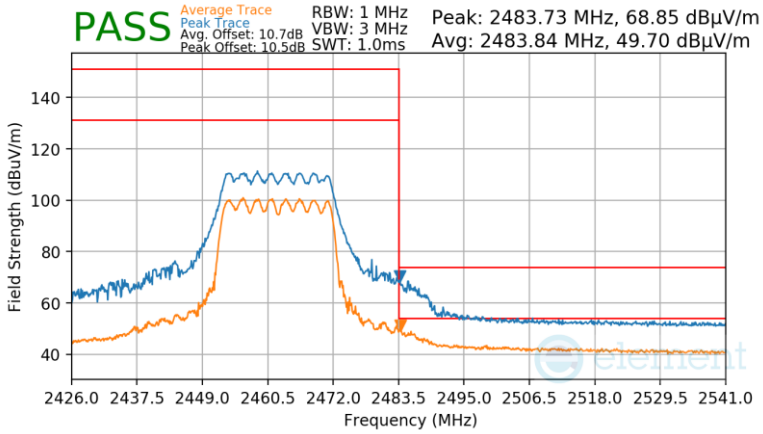

**Plot 7-230 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2457MHz |
| **Channel** | 10 |



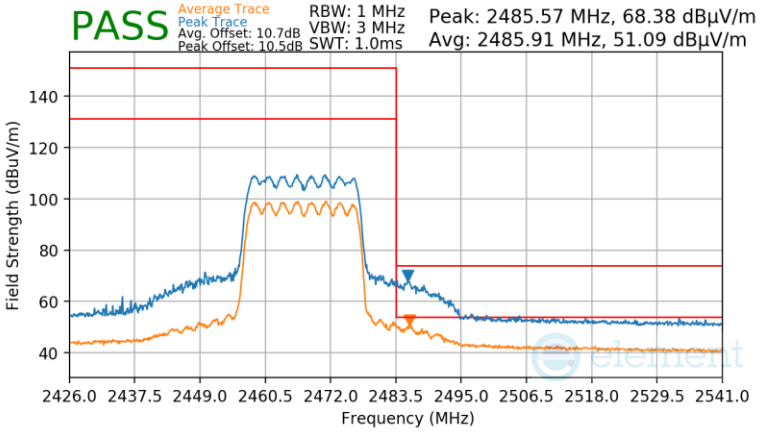

**Plot 7-231 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2462MHz |
| **Channel** | 11 |




**Plot 7-232 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

| | |
|---|---|
| **Mode** | 802.11ax-SU |
| **Data Rate** | MCS9 |
| **Distance of Measurement** | 3 Meters |
| **Operating Frequency** | 2467MHz |
| **Channel** | 12 |




**Plot 7-233 Radiated Restricted Upper Band Edge Measurement CDD Dedicated**

## 7.8 Radiated Spurious Emissions – Below 1GHz

**§15.209; RSS-Gen [8.9]**

### Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-40 per Section 15.209 and RSS-Gen (8.9).***

| Frequency | Field Strength [µV/m] | Measured Distance [Meters] |
|---|---|---|
| 0.009 – 0.490 MHz | 2400/F (kHz) | 300 |
| 0.490 – 1.705 MHz | 24000/F (kHz) | 30 |
| 1.705 – 30.00 MHz | 30 | 30 |
| 30.00 – 88.00 MHz | 100 | 3 |
| 88.00 – 216.0 MHz | 150 | 3 |
| 216.0 – 960.0 MHz | 200 | 3 |
| Above 960.0 MHz | 500 | 3 |

**Table 7-40. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2020

### Test Settings

#### Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

#### Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold

## Test Setup

The EUT and measurement equipment were set up as shown in the diagrams below.

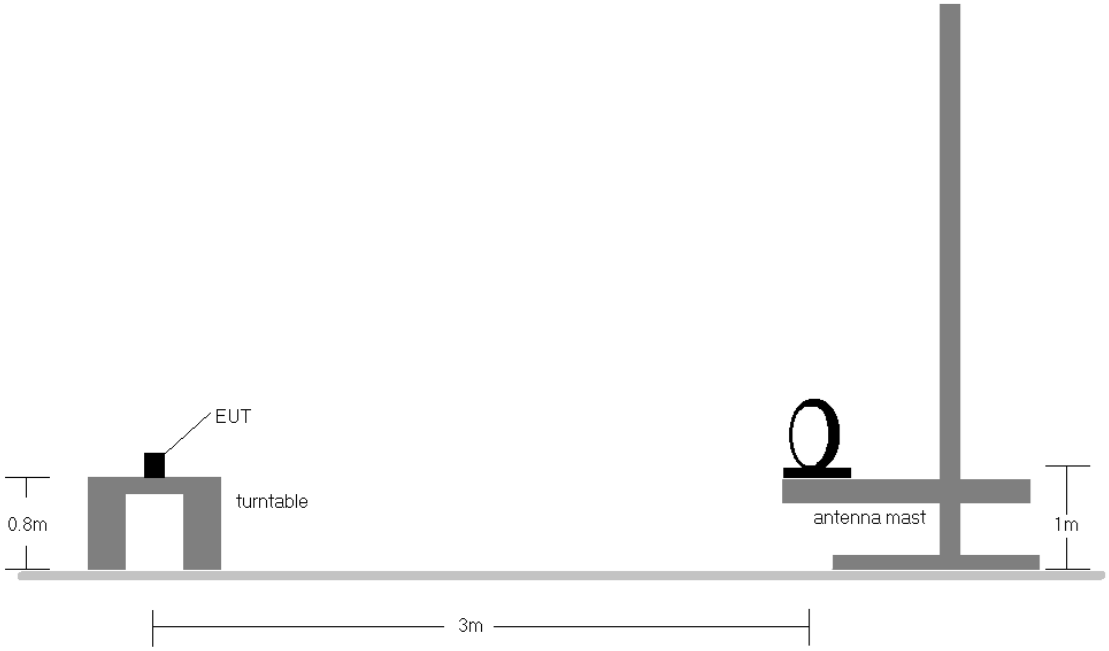



**Figure 7-7. Radiated Test Setup < 30Mhz**

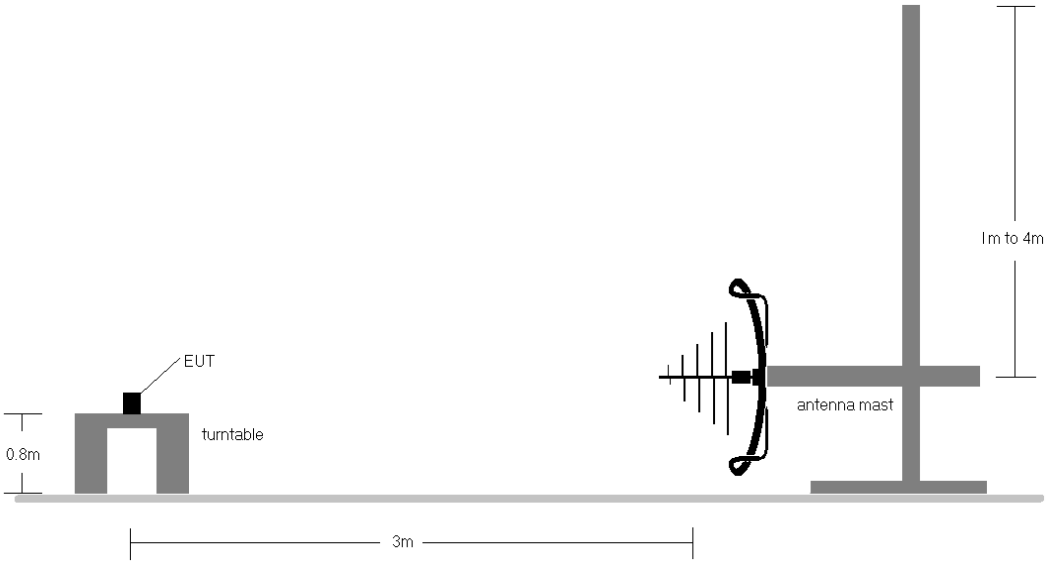



**Figure 7-8. Radiated Test Setup < 1GHz**

## Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-40.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector for emissions within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. Both configurations below were investigated, and the worst case has been reported.
    a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
    b. EUT powered by host PC via USB-C cable with wire charger
9. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
10. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification.
11. The unit was tested with all possible modes and only the highest emission is reported.
12. All antenna configurations were investigated and only the worst case is reported.

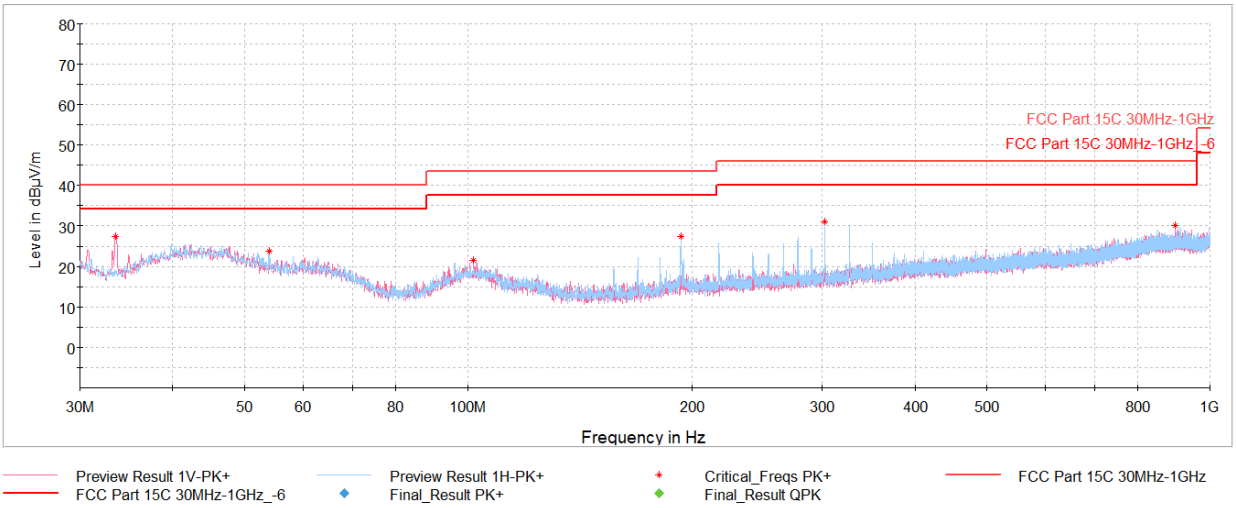
## Sample Calculations

### Determining Spurious Emissions Levels

- Field Strength Level $_{[dB\mu V/m]}$ = Analyzer Level $_{[dBm]}$ + 107 + AFCL $_{[dB/m]}$
- AFCL $_{[dB/m]}$ = Antenna Factor $_{[dB/m]}$ + Cable Loss $_{[dB]}$ – Preamplifier Gain $_{[dB]}$
- Margin $_{[dB]}$ = Field Strength Level $_{[dB\mu V/m]}$ – Limit $_{[dB\mu V/m]}$

## CDD Radiated Spurious Emissions Measurements (Below 1GHz)

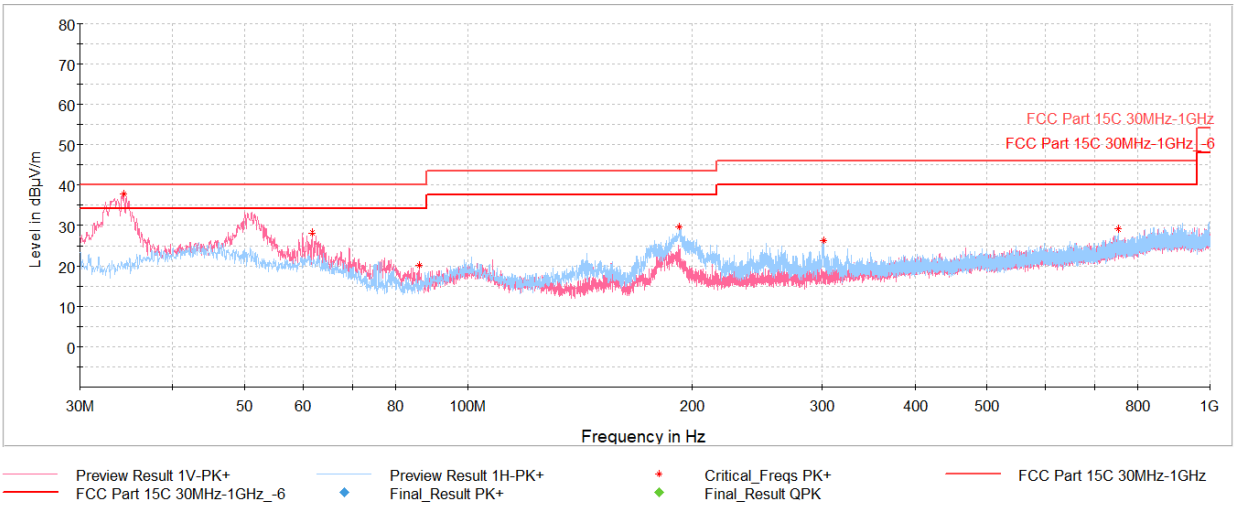
**§15.209; RSS-Gen [8.9]**




**Plot 7-234. Radiated Spurious Emissions below 1GHz CDD 11n Ch.6, with AC/DC Adapter**

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBµV/m] | Limit [dBµV/m] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 33.54 | Max Peak | V | 300 | 290 | -61.25 | -18.22 | 27.53 | 40.00 | -12.47 |
| 53.96 | Max Peak | H | 100 | 151 | -68.71 | -14.50 | 23.79 | 40.00 | -16.21 |
| 101.83 | Max Peak | V | 100 | 243 | -68.88 | -16.44 | 21.68 | 43.52 | -21.84 |
| 193.40 | Max Peak | H | 100 | 332 | -63.48 | -16.12 | 27.40 | 43.52 | -16.12 |
| 302.33 | Max Peak | H | 100 | 264 | -62.98 | -13.21 | 30.81 | 46.02 | -15.21 |
| 896.60 | Max Peak | V | 300 | 284 | -75.40 | -1.63 | 29.97 | 46.02 | -16.05 |

**Table 7-41. Radiated Spurious Emissions below 1GHz CDD 11n Ch.6, with AC/DC Adapter**




**Plot 7-235. Radiated Spurious Emissions below 1GHz CDD 11ax - SU Ch.6, with AC/DC Adapter**

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBµV/m] | Limit [dBµV/m] | Margin [dB] |
|---|---|---|---|---|---|---|---|---|---|
| 34.37 | Quasi-Peak | V | 105 | 252 | -64.48 | -17.89 | 24.63 | 40.00 | -15.37 |
| 61.72 | Max Peak | V | 100 | 279 | -62.57 | -16.30 | 28.13 | 40.00 | -11.87 |
| 86.07 | Max Peak | V | 100 | 256 | -66.98 | -19.89 | 20.13 | 40.00 | -19.87 |
| 192.43 | Max Peak | H | 100 | 9 | -61.30 | -16.23 | 29.47 | 43.52 | -14.05 |
| 301.12 | Max Peak | H | 100 | 247 | -67.32 | -13.32 | 26.36 | 46.02 | -19.66 |
| 752.02 | Max Peak | H | 100 | 227 | -73.87 | -3.93 | 29.20 | 46.02 | -16.82 |

**Table 7-42. Radiated Spurious Emissions below 1GHz CDD 11ax - SU Ch.6, with AC/DC Adapter**

## 7.9 AC Line-Conducted Emissions Measurement

**§15.207; RSS-Gen [8.8]**

### Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

***All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).***

| Frequency of emission (MHz) | Conducted Limit (dBμV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15 – 0.5 | 66 to 56* | 56 to 46* |
| 0.5 – 5 | 56 | 46 |
| 5 – 30 | 60 | 50 |

**Table 7-43. Conducted Limits**

*Decreases with the logarithm of the frequency.

### Test Procedures Used

ANSI C63.10-2020, Subclause 6.2

### Test Settings

#### Quasi-Peak Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

#### Average Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

## Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

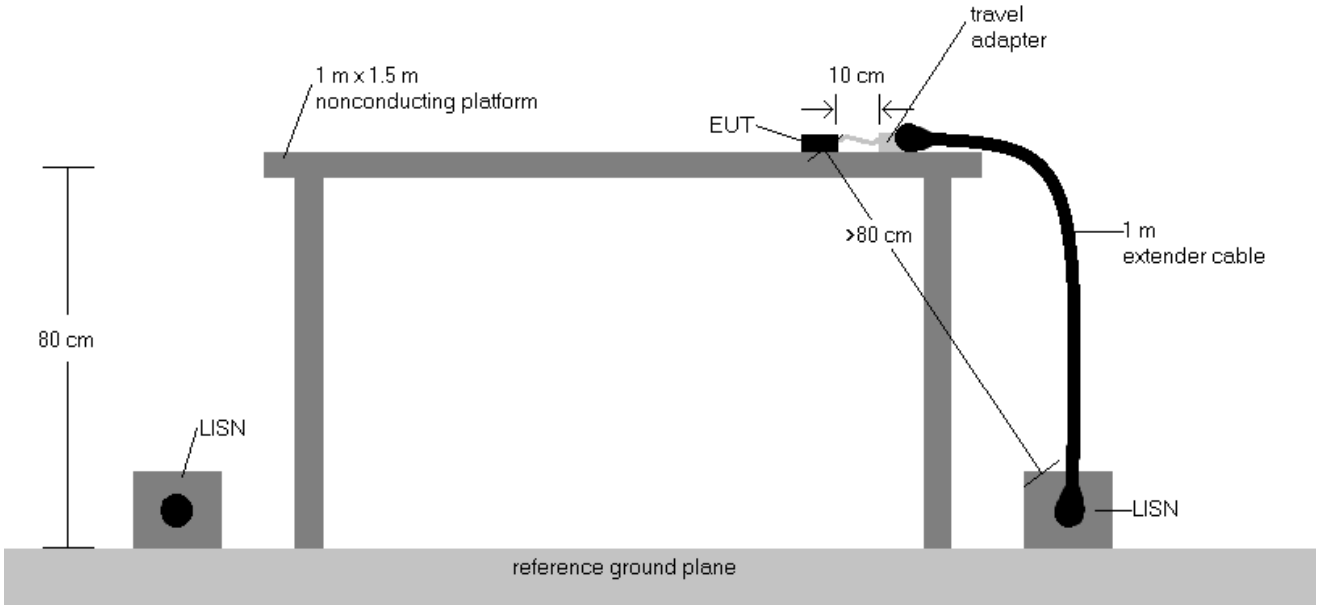
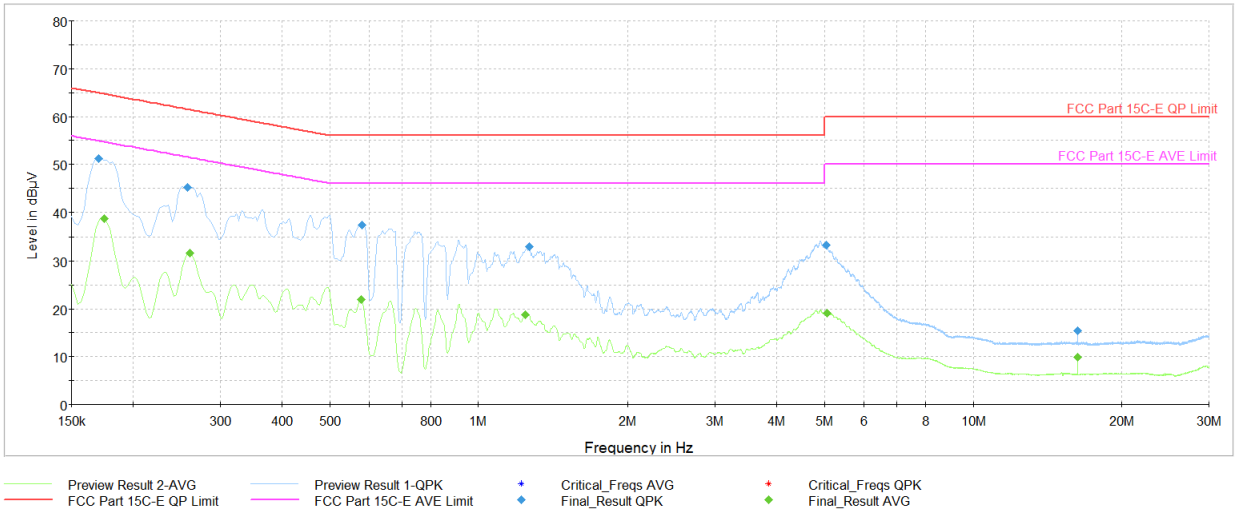



**Figure 7-9. Test Instrument & Measurement Setup**

## Test Notes

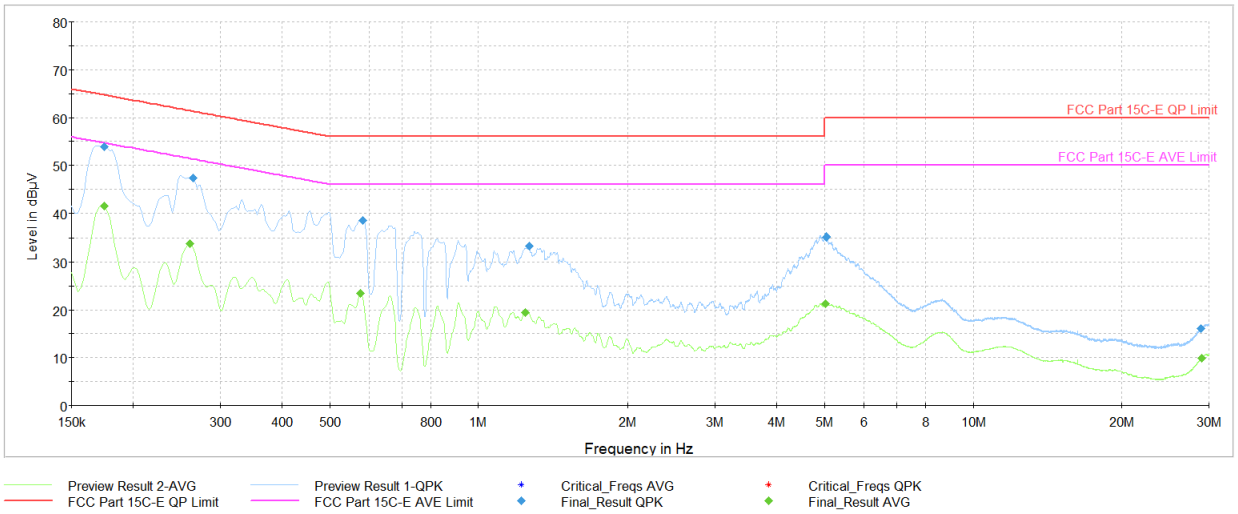
1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
   a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
   b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen(8.8).
4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
5. QP/AV Level (dBµV) = QP/AV Analyzer/Receiver Level (dBµV) + Corr. (dB)
6. Margin (dB) = QP/AV Level (dBµV) - QP/AV Limit (dBµV)
7. Traces shown in plot are made using quasi peak and average detectors.
8. Deviations to the Specifications: None.
9. The unit was tested with all possible modes and only the highest emission is reported.




**Plot 7-236. AC Line Conducted Plot with CDD 11n Ch.6 (L1, with AC/DC Adapter)**

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.17 | FINAL | 51.25 | --- | 64.95 | -13.70 | L1 | GND |
| 0.18 | FINAL | --- | 38.74 | 54.73 | -15.99 | L1 | GND |
| 0.26 | FINAL | 45.18 | --- | 61.50 | -16.32 | L1 | GND |
| 0.26 | FINAL | --- | 31.68 | 51.42 | -19.74 | L1 | GND |
| 0.58 | FINAL | --- | 21.97 | 46.00 | -24.03 | L1 | GND |
| 0.58 | FINAL | 37.33 | --- | 56.00 | -18.67 | L1 | GND |
| 1.25 | FINAL | --- | 18.73 | 46.00 | -27.27 | L1 | GND |
| 1.27 | FINAL | 32.92 | --- | 56.00 | -23.08 | L1 | GND |
| 5.04 | FINAL | 33.25 | --- | 60.00 | -26.75 | L1 | GND |
| 5.06 | FINAL | --- | 19.16 | 50.00 | -30.84 | L1 | GND |
| 16.29 | FINAL | 15.43 | --- | 60.00 | -44.57 | L1 | GND |
| 16.29 | FINAL | --- | 9.92 | 50.00 | -40.08 | L1 | GND |

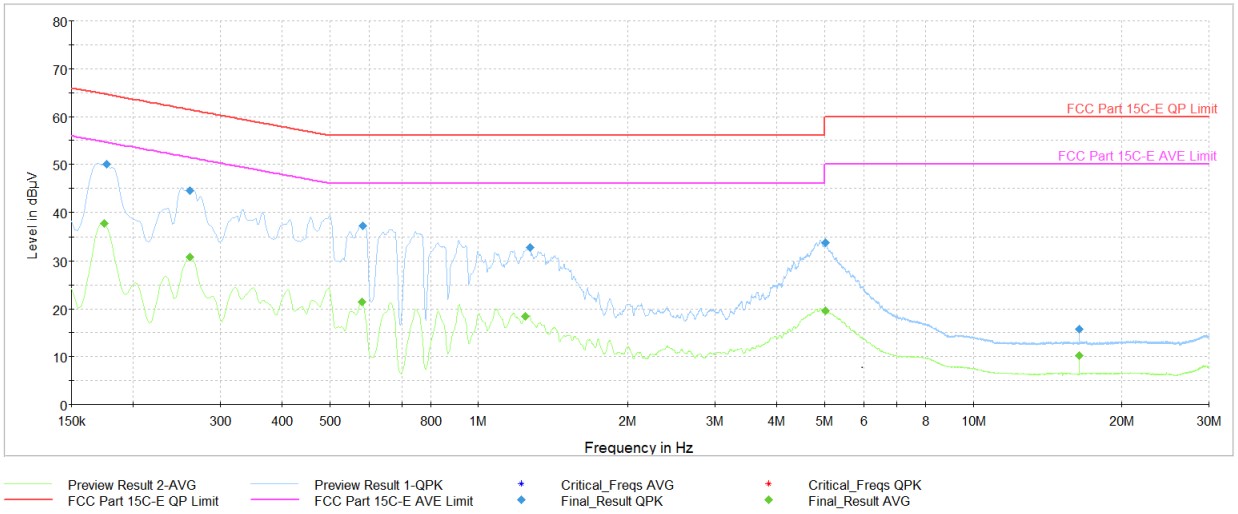
**Table 7-44. AC Line Conducted Data with CDD 11n Ch.6 (L1, with AC/DC Adapter)**




**Plot 7-237. AC Line Conducted Plot with CDD 11n Ch.6 (N, with AC/DC Adapter)**

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.175 | FINAL | — | 41.52 | 54.73 | -13.21 | N | GND |
| 0.175 | FINAL | 53.9 | — | 64.73 | -10.87 | N | GND |
| 0.260 | FINAL | — | 33.82 | 51.42 | -17.60 | N | GND |
| 0.265 | FINAL | 47.4 | — | 61.28 | -13.86 | N | GND |
| 0.578 | FINAL | — | 23.44 | 46.00 | -22.56 | N | GND |
| 0.584 | FINAL | 38.4 | — | 56.00 | -17.56 | N | GND |
| 1.246 | FINAL | — | 19.41 | 46.00 | -26.59 | N | GND |
| 1.268 | FINAL | 33.3 | — | 56.00 | -22.67 | N | GND |
| 5.026 | FINAL | — | 21.27 | 50.00 | -28.73 | N | GND |
| 5.033 | FINAL | 35.2 | — | 60.00 | -24.84 | N | GND |
| 28.867 | FINAL | 16.1 | — | 60.00 | -43.88 | N | GND |
| 28.961 | FINAL | — | 9.92 | 50.00 | -40.08 | N | GND |

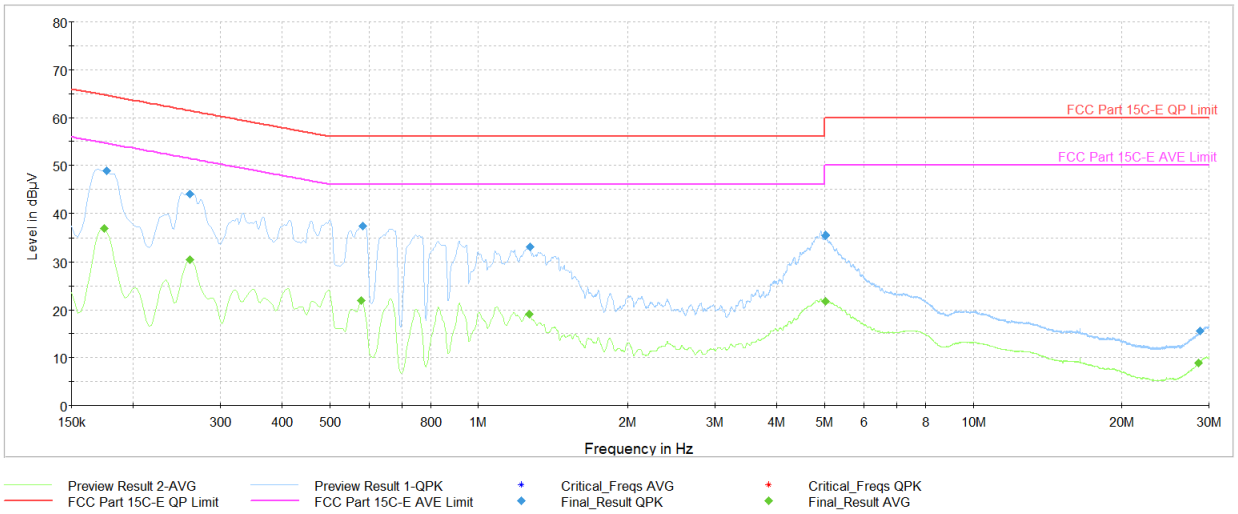
**Table 7-45. AC Line Conducted Data with CDD 11n Ch.6 (N, with AC/DC Adapter)**




**Plot 7-238. AC Line Conducted Plot with CDD 11ax - SU Ch.6 (L1, with AC/DC Adapter)**

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.18 | FINAL | --- | 37.67 | 54.73 | -17.06 | L1 | GND |
| 0.18 | FINAL | 49.97 | --- | 64.63 | -14.66 | L1 | GND |
| 0.26 | FINAL | --- | 30.86 | 51.42 | -20.56 | L1 | GND |
| 0.26 | FINAL | 44.56 | --- | 61.42 | -16.86 | L1 | GND |
| 0.58 | FINAL | --- | 21.47 | 46.00 | -24.53 | L1 | GND |
| 0.58 | FINAL | 37.15 | --- | 56.00 | -18.85 | L1 | GND |
| 1.25 | FINAL | --- | 18.46 | 46.00 | -27.54 | L1 | GND |
| 1.27 | FINAL | 32.88 | --- | 56.00 | -23.12 | L1 | GND |
| 5.03 | FINAL | --- | 19.51 | 50.00 | -30.49 | L1 | GND |
| 5.03 | FINAL | 33.86 | --- | 60.00 | -26.14 | L1 | GND |
| 16.41 | FINAL | --- | 10.20 | 50.00 | -39.80 | L1 | GND |
| 16.41 | FINAL | 15.69 | --- | 60.00 | -44.31 | L1 | GND |

**Table 7-46. AC Line Conducted Data with CDD 11ax - SU Ch.6 (L1, with AC/DC Adapter)**




**Plot 7-239. AC Line Conducted Plot with CDD 11ax - SU Ch.6 (N, with AC/DC Adapter)**

| Frequency [MHz] | Process State | QuasiPeak [dBµV] | Average [dBµV] | Limit [dBµV] | Margin [dB] | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.18 | FINAL | --- | 36.81 | 54.73 | -17.92 | N | GND |
| 0.18 | FINAL | 48.93 | --- | 64.63 | -15.70 | N | GND |
| 0.26 | FINAL | --- | 30.44 | 51.42 | -20.98 | N | GND |
| 0.26 | FINAL | 43.94 | --- | 61.42 | -17.48 | N | GND |
| 0.58 | FINAL | --- | 21.89 | 46.00 | -24.11 | N | GND |
| 0.58 | FINAL | 37.25 | --- | 56.00 | -18.75 | N | GND |
| 1.27 | FINAL | --- | 19.03 | 46.00 | -26.97 | N | GND |
| 1.27 | FINAL | 33.17 | --- | 56.00 | -22.83 | N | GND |
| 5.03 | FINAL | 35.54 | --- | 60.00 | -24.46 | N | GND |
| 5.03 | FINAL | --- | 21.76 | 50.00 | -28.24 | N | GND |
| 28.63 | FINAL | --- | 8.81 | 50.00 | -41.19 | N | GND |
| 28.76 | FINAL | 15.52 | --- | 60.00 | -44.48 | N | GND |

**Table 7-47. AC Line Conducted Data with CDD 11ax - SU Ch.6 (N, with AC/DC Adapter)**

# 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3354, IC: 579C-A3354** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.