

## Channel 106

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17991.200       | 50.00                       | -29.59          | 45.95                 | 33.64                   | 74.00          | 24.00       | V                  |
| 17975.250       | 49.81                       | -29.59          | 45.95                 | 33.45                   | 74.00          | 24.19       | V                  |
| 14688.450       | 46.39                       | -30.04          | 41.50                 | 34.93                   | 68.20          | 21.81       | H                  |
| 14671.950       | 46.27                       | -30.04          | 41.50                 | 34.81                   | 68.20          | 21.93       | V                  |
| 5452.600        | 50.90                       | -27.49          | 34.20                 | 44.19                   | 74.00          | 23.10       | H                  |
| 5468.155        | 49.82                       | -27.49          | 34.20                 | 43.11                   | 68.20          | 18.38       | H                  |

## Channel 122

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17974.150       | 50.77                       | -29.59          | 45.95                 | 34.41                   | 74.00          | 23.23       | H                  |
| 17872.950       | 50.47                       | -29.59          | 45.95                 | 34.11                   | 74.00          | 23.53       | V                  |
| 14604.300       | 46.30                       | -30.67          | 41.70                 | 35.27                   | 68.20          | 21.90       | H                  |
| 14699.450       | 45.94                       | -30.04          | 41.50                 | 34.48                   | 68.20          | 22.26       | V                  |
| 5730.360        | 47.67                       | -27.47          | 34.10                 | 41.04                   | 68.20          | 20.53       | H                  |
| 5748.892        | 47.19                       | -27.21          | 34.00                 | 40.40                   | 68.20          | 21.01       | V                  |

**802.11ax-HT160**

## Channel 50

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17992.300       | 49.21                       | -29.59          | 45.95                 | 32.85                   | 74.00          | 24.79       | H                  |
| 17910.900       | 48.58                       | -29.59          | 45.95                 | 32.22                   | 74.00          | 25.42       | V                  |
| 14530.050       | 44.58                       | -30.55          | 41.90                 | 33.23                   | 68.20          | 23.62       | V                  |
| 14697.250       | 44.56                       | -30.04          | 41.50                 | 33.10                   | 68.20          | 23.64       | V                  |
| 5148.460        | 52.67                       | -27.79          | 34.00                 | 46.46                   | 74.00          | 21.33       | H                  |
| 5145.100        | 52.44                       | -27.79          | 34.00                 | 46.23                   | 74.00          | 21.56       | H                  |

## Channel 114

| Frequency (MHz) | Measurement Result (dBuV/m) | Cable Loss (dB) | Antenna Factor (dB/m) | Receiver Reading (dBuV) | Limit (dBuV/m) | Margin (dB) | Antenna Pol. (H/V) |
|-----------------|-----------------------------|-----------------|-----------------------|-------------------------|----------------|-------------|--------------------|
| 17981.850       | 50.56                       | -29.59          | 45.95                 | 34.20                   | 74.00          | 23.44       | V                  |
| 17986.250       | 49.91                       | -29.59          | 45.95                 | 33.55                   | 74.00          | 24.09       | V                  |
| 14608.150       | 47.18                       | -30.67          | 41.70                 | 36.15                   | 68.20          | 21.02       | V                  |
| 14601.550       | 46.32                       | -29.14          | 41.90                 | 33.56                   | 68.20          | 21.88       | V                  |
| 5451.595        | 50.97                       | -27.49          | 34.20                 | 44.26                   | 74.00          | 23.03       | H                  |
| 5465.815        | 51.27                       | -27.49          | 34.20                 | 44.56                   | 68.20          | 16.93       | H                  |

Note: the spurious emission above 18G is noise only. No emissions were found within 20dB of the limit below 30MHz.

**Conclusion: PASS**

**Band Edges Compliance– Radiated**
**EUT ID: EUT1**
**Full RU**

| Mode               | Channel  | Test Results | Conclusion |
|--------------------|----------|--------------|------------|
| 802.11a            | 5180 MHz | Fig.1        | P          |
|                    | 5320 MHz | Fig.2        | P          |
|                    | 5500 MHz | Fig.3        | P          |
|                    | 5700 MHz | Fig.4        | P          |
| 802.11n<br>HT20    | 5180 MHz | Fig.5        | P          |
|                    | 5320 MHz | Fig.6        | P          |
|                    | 5500 MHz | Fig.7        | P          |
|                    | 5700 MHz | Fig.8        | P          |
| 802.11n<br>HT40    | 5190 MHz | Fig.9        | P          |
|                    | 5310 MHz | Fig.10       | P          |
|                    | 5510 MHz | Fig.11       | P          |
|                    | 5670 MHz | Fig.12       | P          |
| 802.11ac<br>VHT20  | 5180 MHz | Fig.13       | P          |
|                    | 5320 MHz | Fig.14       | P          |
|                    | 5500 MHz | Fig.15       | P          |
|                    | 5700 MHz | Fig.16       | P          |
| 802.11ac<br>VHT40  | 5190 MHz | Fig.17       | P          |
|                    | 5310 MHz | Fig.18       | P          |
|                    | 5510 MHz | Fig.19       | P          |
|                    | 5670 MHz | Fig.20       | P          |
| 802.11ac<br>VHT80  | 5210MHz  | Fig.21       | P          |
|                    | 5290MHz  | Fig.22       | P          |
|                    | 5530MHz  | Fig.23       | P          |
|                    | 5610MHz  | Fig.24       | P          |
| 802.11ac<br>VHT160 | 5250 MHz | Fig.25       | P          |
|                    | 5570 MHz | Fig.26       | P          |
| 802.11ax<br>HE20   | 5180 MHz | Fig.27       | P          |
|                    | 5320 MHz | Fig.28       | P          |
|                    | 5500 MHz | Fig.29       | P          |
|                    | 5700 MHz | Fig.30       | P          |
| 802.11ax<br>HE40   | 5190 MHz | Fig.31       | P          |
|                    | 5310 MHz | Fig.32       | P          |
|                    | 5510 MHz | Fig.33       | P          |
|                    | 5670 MHz | Fig.34       | P          |
| 802.11ax<br>HE80   | 5210 MHz | Fig.35       | P          |
|                    | 5290 MHz | Fig.36       | P          |
|                    | 5530 MHz | Fig.37       | P          |
|                    | 5610 MHz | Fig.38       | P          |

|          |          |        |   |
|----------|----------|--------|---|
| 802.11ax | 5250 MHz | Fig.39 | P |
| HE160    | 5570 MHz | Fig.40 | P |

**EUT ID: EUT2**
**Full RU**

| Mode               | Channel  | Test Results | Conclusion |
|--------------------|----------|--------------|------------|
| 802.11a            | 5180 MHz | Fig.41       | P          |
|                    | 5320 MHz | Fig.42       | P          |
|                    | 5500 MHz | Fig.43       | P          |
|                    | 5700 MHz | Fig.44       | P          |
| 802.11n<br>HT20    | 5180 MHz | Fig.45       | P          |
|                    | 5320 MHz | Fig.46       | P          |
|                    | 5500 MHz | Fig.47       | P          |
|                    | 5700 MHz | Fig.48       | P          |
| 802.11n<br>HT40    | 5190 MHz | Fig.49       | P          |
|                    | 5310 MHz | Fig.50       | P          |
|                    | 5510 MHz | Fig.51       | P          |
|                    | 5670 MHz | Fig.52       | P          |
| 802.11ac<br>VHT20  | 5180 MHz | Fig.53       | P          |
|                    | 5320 MHz | Fig.54       | P          |
|                    | 5500 MHz | Fig.55       | P          |
|                    | 5700 MHz | Fig.56       | P          |
| 802.11ac<br>VHT40  | 5190 MHz | Fig.57       | P          |
|                    | 5310 MHz | Fig.58       | P          |
|                    | 5510 MHz | Fig.59       | P          |
|                    | 5670 MHz | Fig.60       | P          |
| 802.11ac<br>VHT80  | 5210MHz  | Fig.61       | P          |
|                    | 5290MHz  | Fig.62       | P          |
|                    | 5530MHz  | Fig.63       | P          |
|                    | 5610MHz  | Fig.64       | P          |
| 802.11ac<br>VHT160 | 5250 MHz | Fig.65       | P          |
|                    | 5570 MHz | Fig.66       | P          |
| 802.11ax<br>HE20   | 5180 MHz | Fig.67       | P          |
|                    | 5320 MHz | Fig.68       | P          |
|                    | 5500 MHz | Fig.69       | P          |
|                    | 5700 MHz | Fig.70       | P          |
| 802.11ax<br>HE40   | 5190 MHz | Fig.71       | P          |
|                    | 5310 MHz | Fig.72       | P          |
|                    | 5510 MHz | Fig.73       | P          |
|                    | 5670 MHz | Fig.74       | P          |
| 802.11ax<br>HE80   | 5210 MHz | Fig.75       | P          |
|                    | 5290 MHz | Fig.76       | P          |

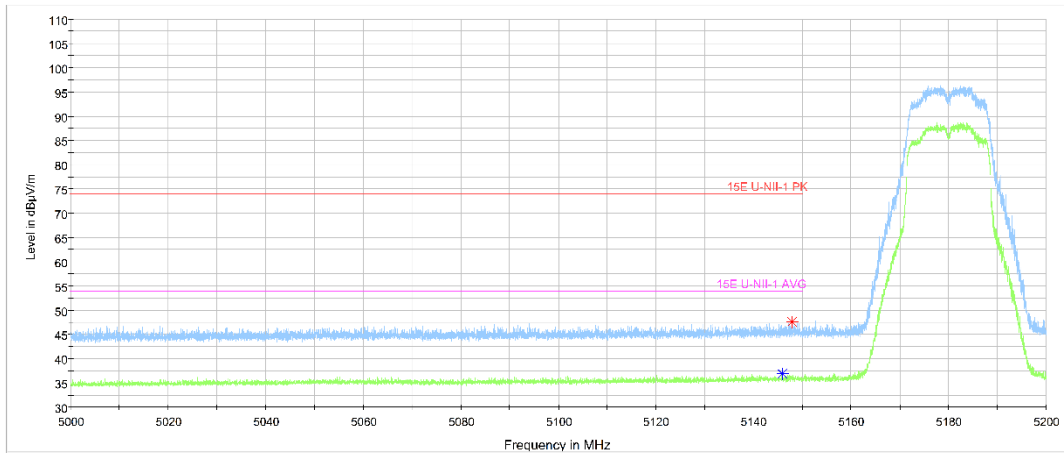


|          |          |        |   |
|----------|----------|--------|---|
|          | 5530 MHz | Fig.77 | P |
|          | 5610 MHz | Fig.78 | P |
| 802.11ax | 5250 MHz | Fig.79 | P |
| HE160    | 5570 MHz | Fig.80 | P |

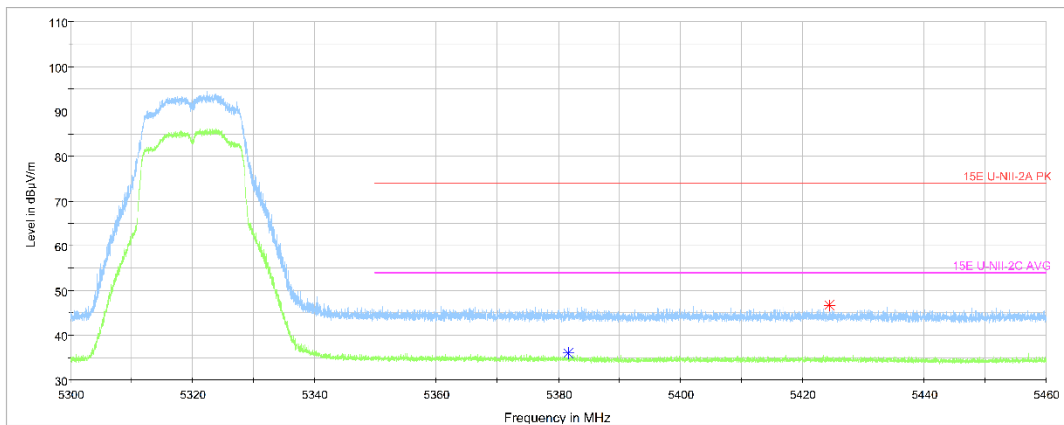
The measurements were performed separately in Chain A, Chain B, and MIMO (Chain A+B), and only the worst cases are shown in this section.

**Conclusion: PASS**

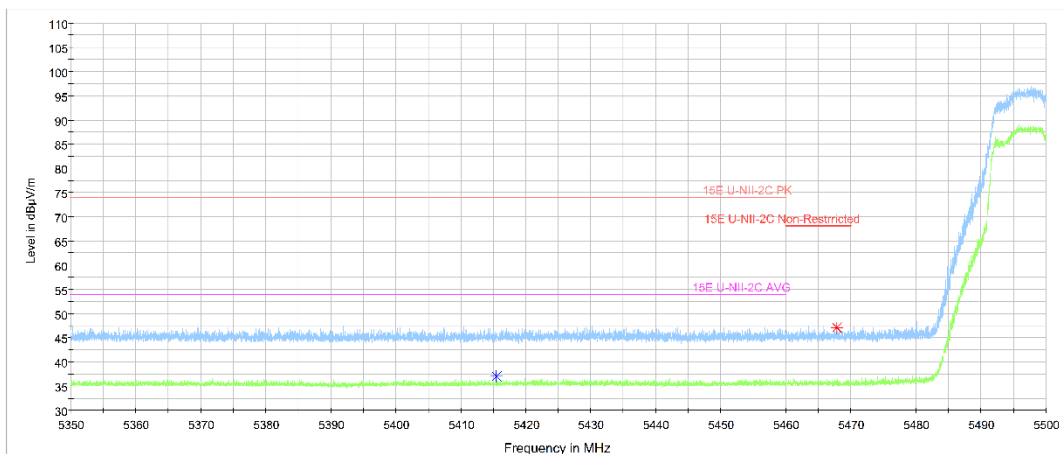
**Test graphs as below:**



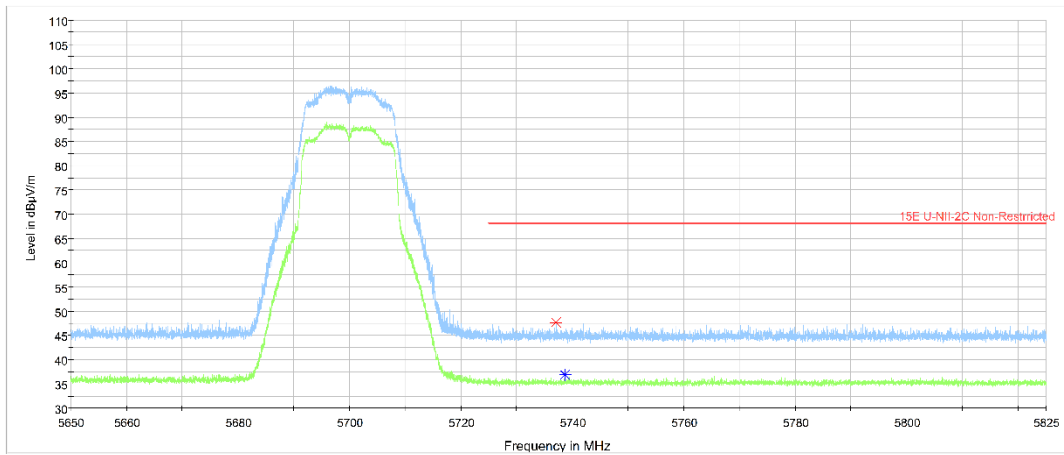
**Fig. 1 Band Edges (802.11a, CHAIN A, Ch36, 5180MHz)**



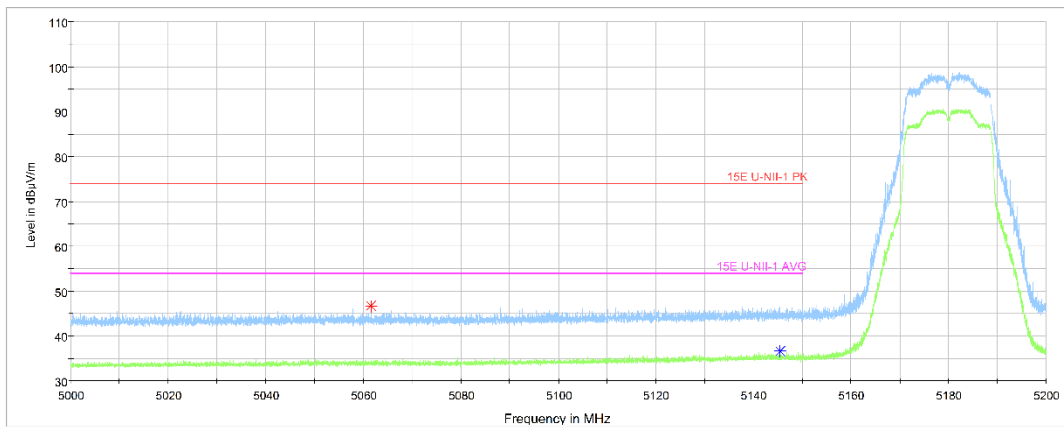
**Fig. 2 Band Edges (802.11a, CHAIN A, Ch64, 5320MHz)**



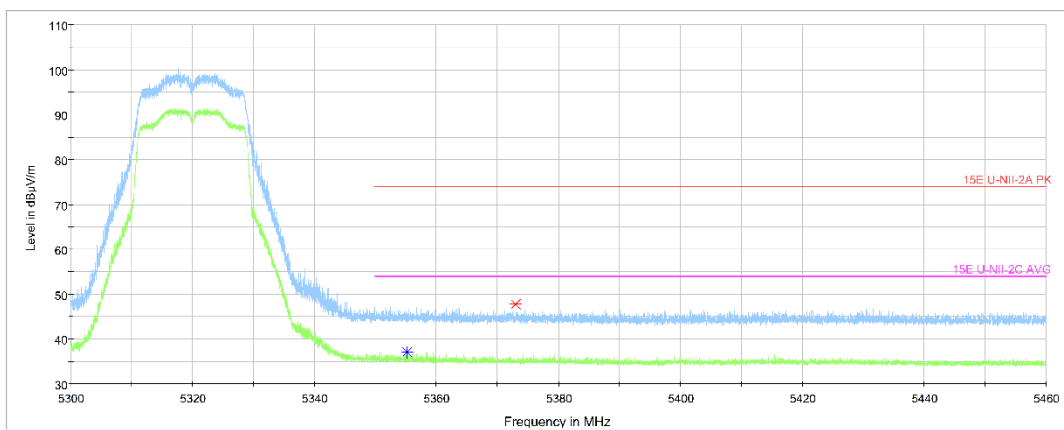
**Fig. 3 Band Edges (802.11a, CHAIN A, Ch100, 5500MHz)**



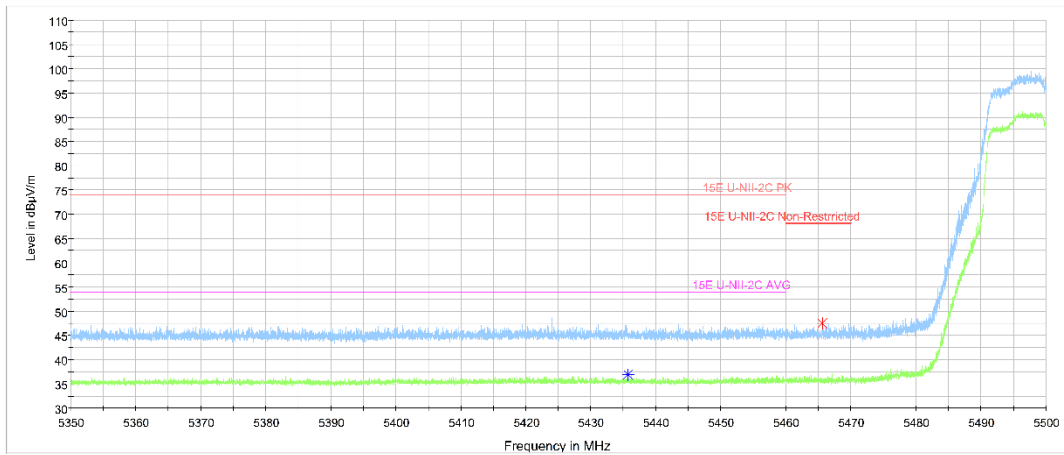
**Fig. 4 Band Edges (802.11a, CHAIN A, Ch140, 5700MHz)**



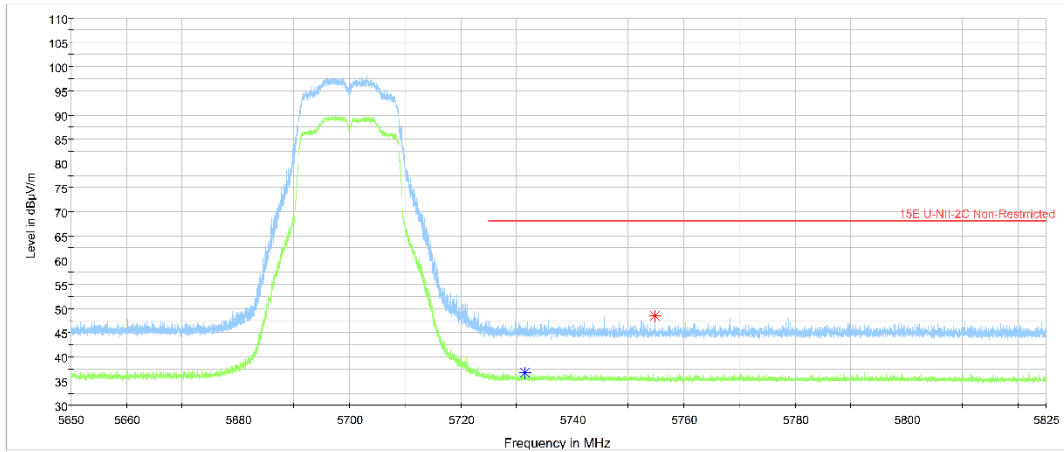
**Fig. 5 Band Edges (802.11n-HT20, MIMO, Ch36, 5180MHz)**



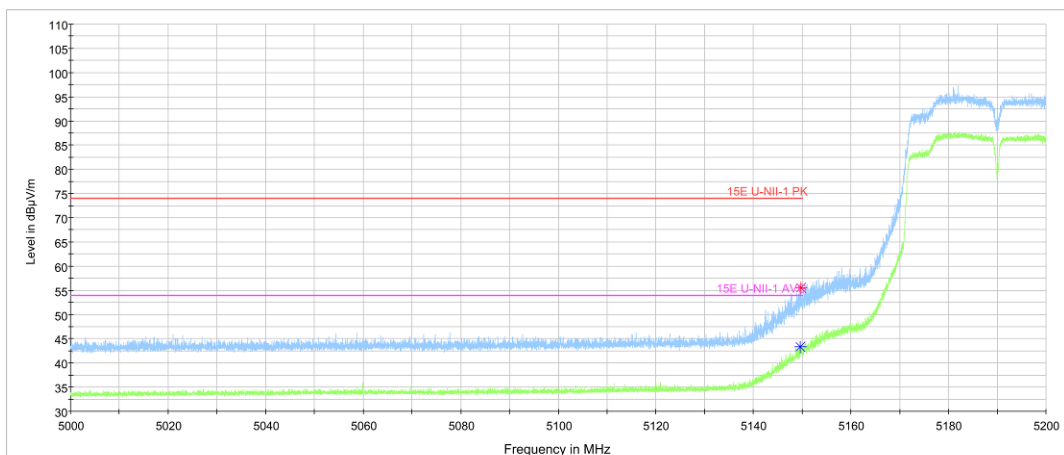
**Fig. 6 Band Edges (802.11n-HT20 , MIMO,Ch64, 5320MHz)**



**Fig. 7 Band Edges (802.11n-HT20 , MIMO,Ch100, 5500MHz)**

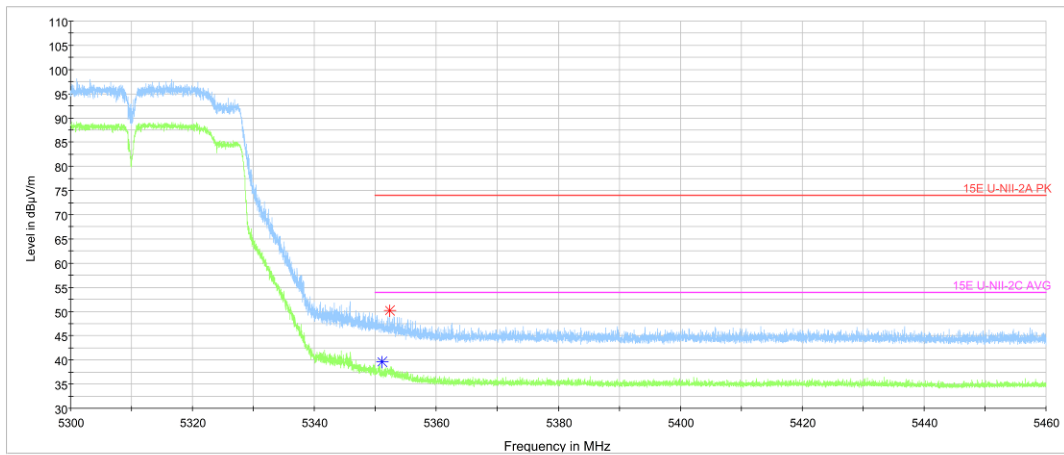


**Fig. 8 Band Edges (802.11n-HT20 , MIMO,Ch140, 5700MHz)**

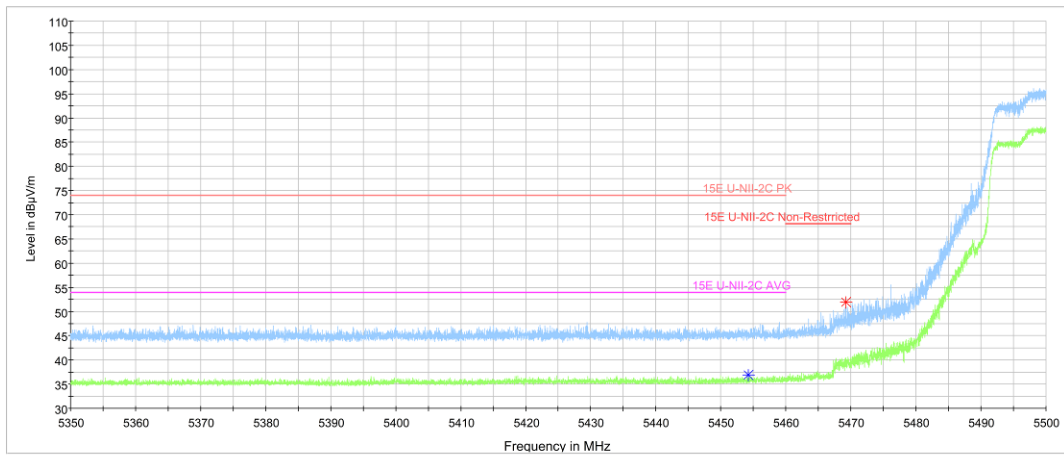


**Fig. 9 Band Edges (802.11n-HT40 , MIMO,Ch38, 5190MHz)**

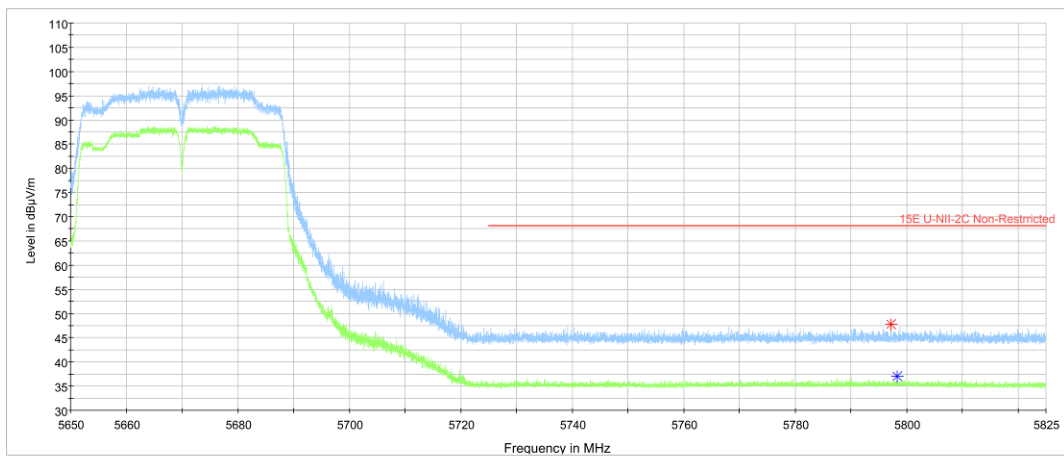




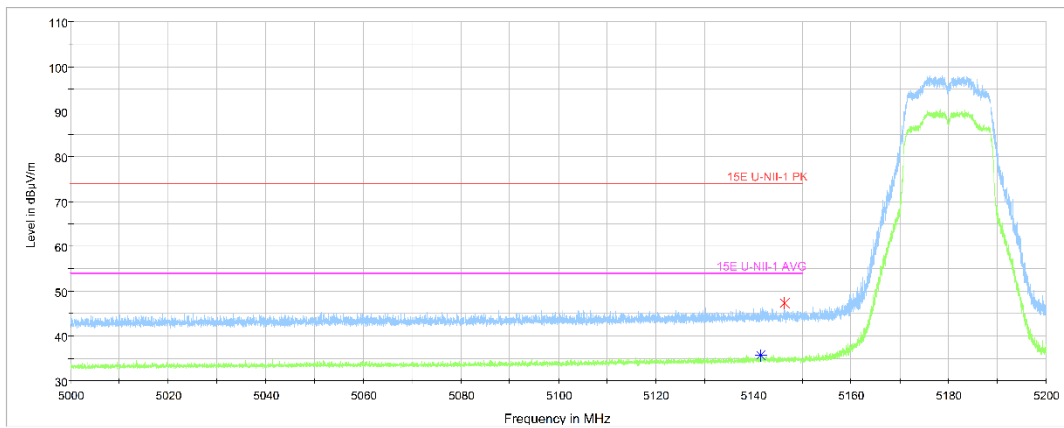
**Fig. 10 Band Edges (802.11n-HT40 , MIMO,Ch62, 5310MHz)**



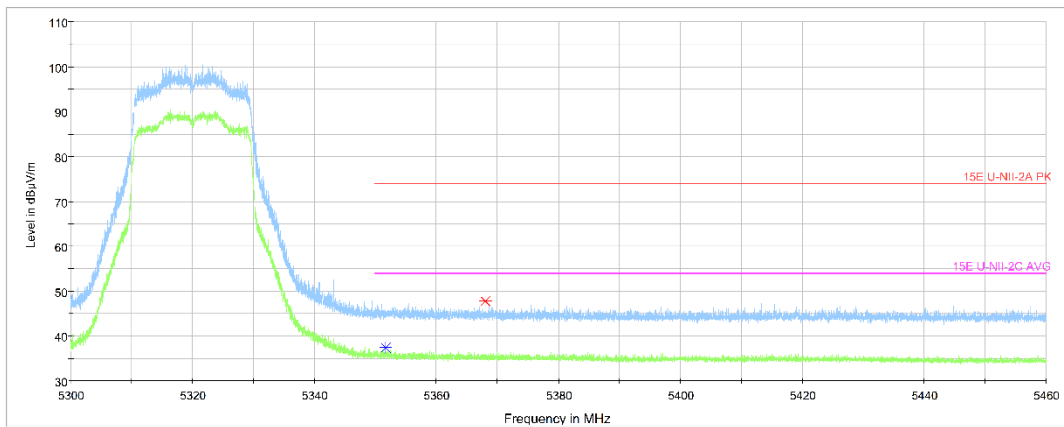
**Fig. 11 Band Edges (802.11n-HT40 , MIMO,Ch102, 5510MHz)**



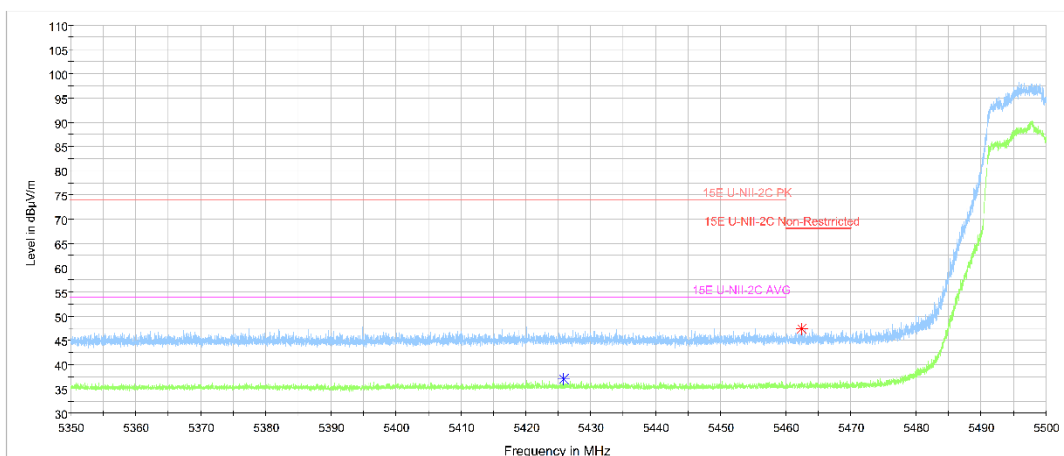
**Fig. 12 Band Edges (802.11n-HT40 , MIMO,Ch134, 5670MHz)**



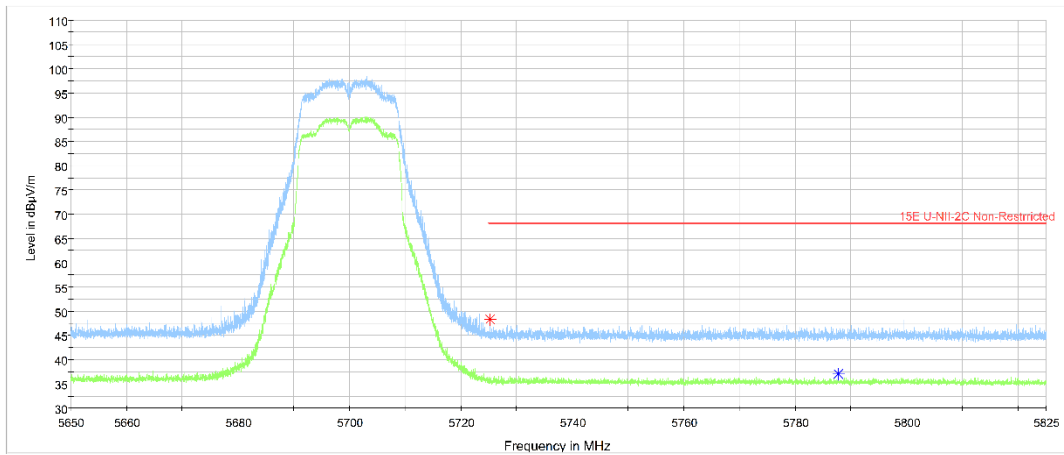
**Fig. 13 Band Edges (802.11ac-VHT20 , MIMO,Ch36, 5180MHz)**



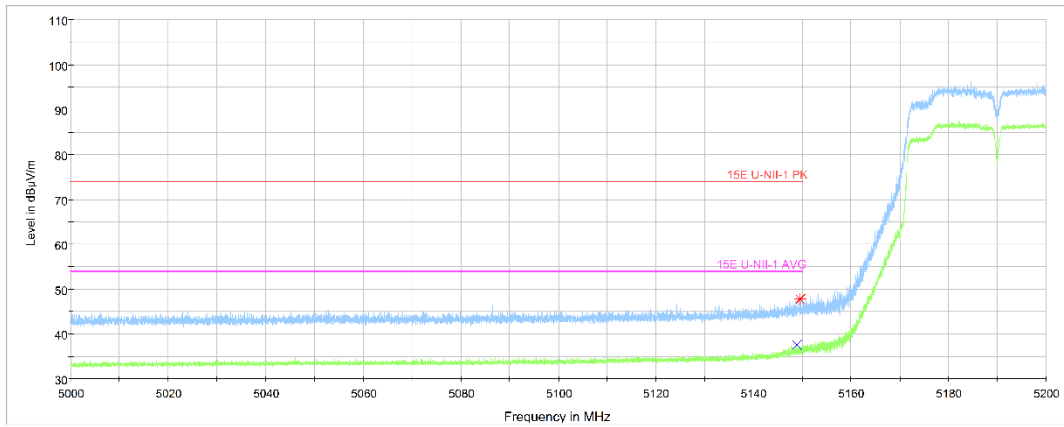
**Fig. 14 Band Edges (802.11ac-VHT20 , MIMO,Ch64, 5320MHz)**



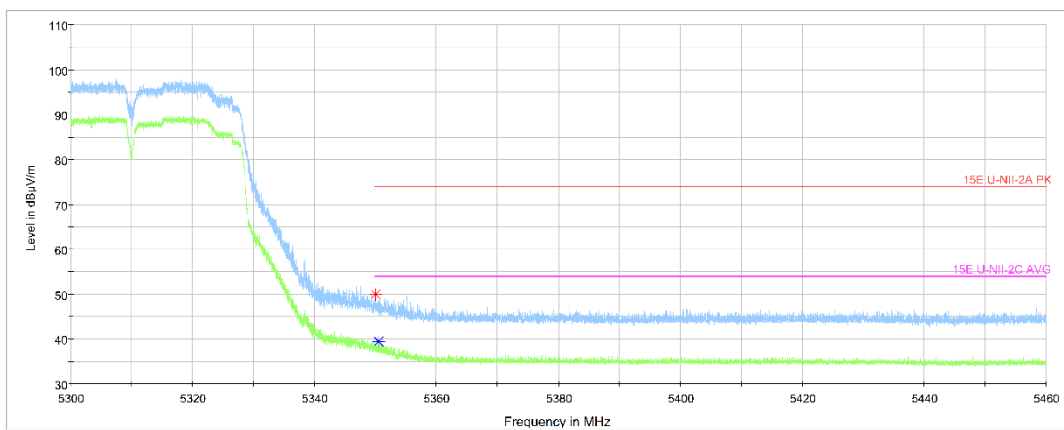
**Fig. 15 Band Edges (802.11ac-VHT20 , MIMO,Ch100, 5500MHz)**



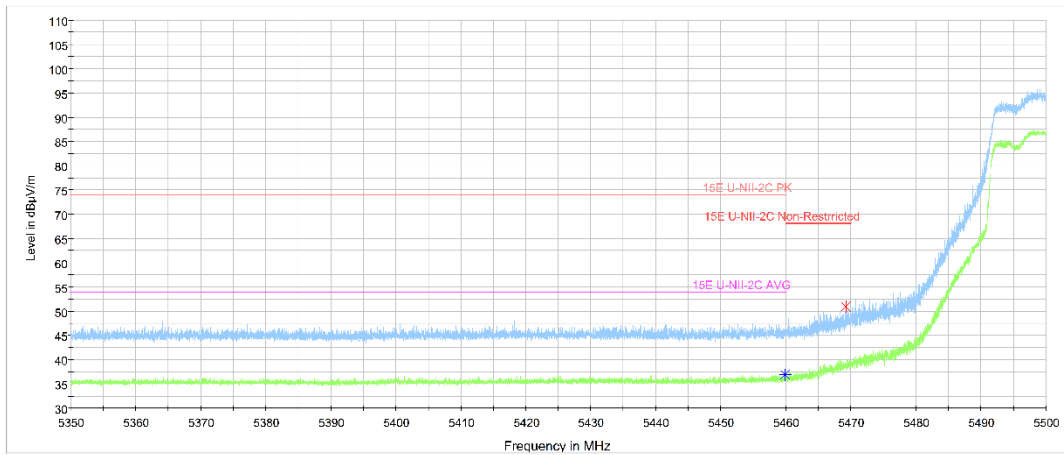
**Fig. 16 Band Edges (802.11ac-VHT20 , MIMO,Ch140, 5700MHz)**



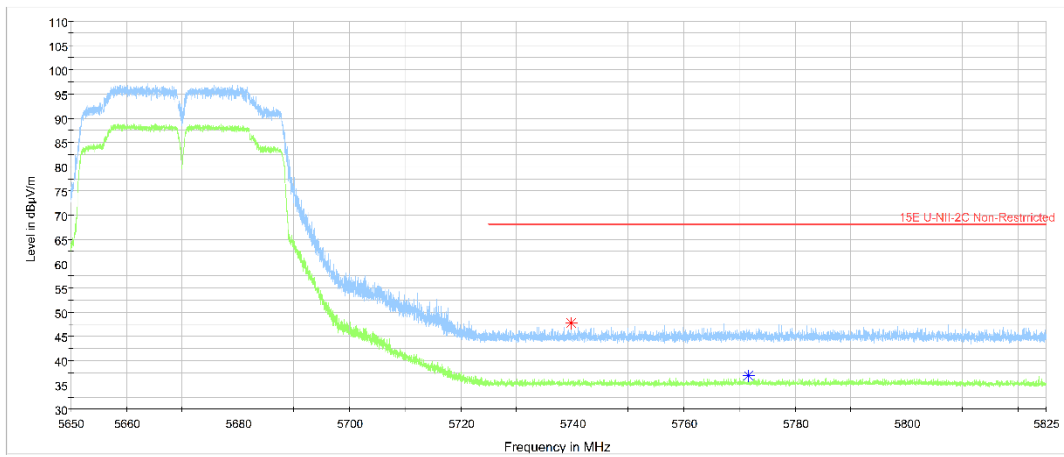
**Fig. 17 Band Edges (802.11ac-VHT40 , MIMO,Ch38, 5190MHz)**



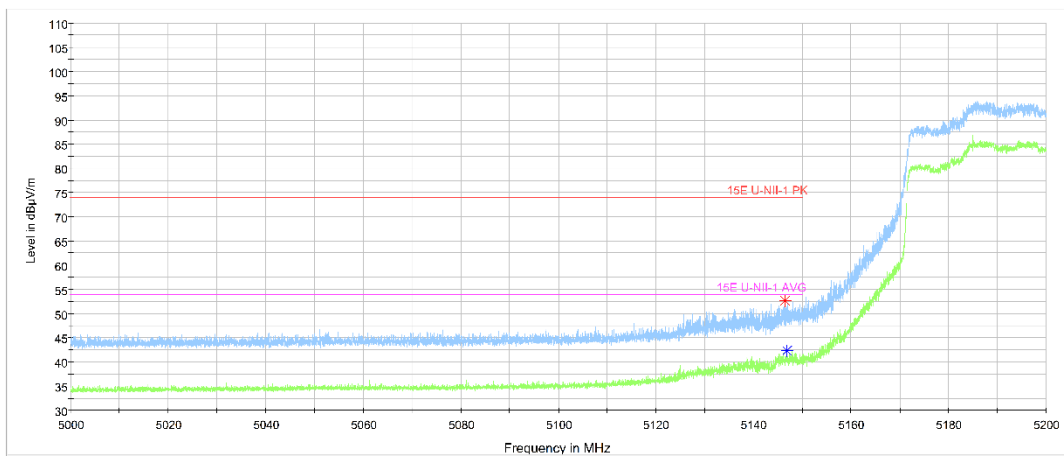
**Fig. 18 Band Edges (802.11ac-VHT40 , MIMO,Ch62, 5310MHz)**



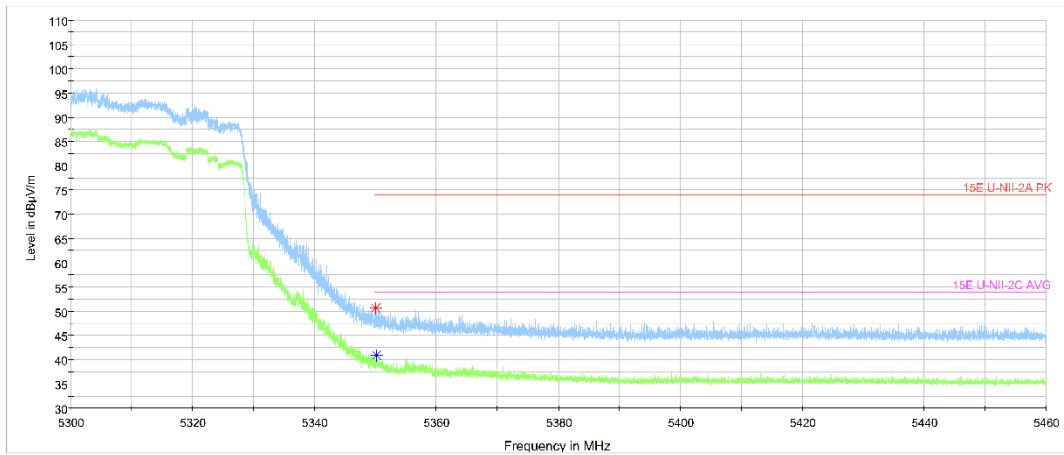
**Fig. 19 Band Edges (802.11ac-VHT40 , MIMO,Ch102, 5510MHz)**



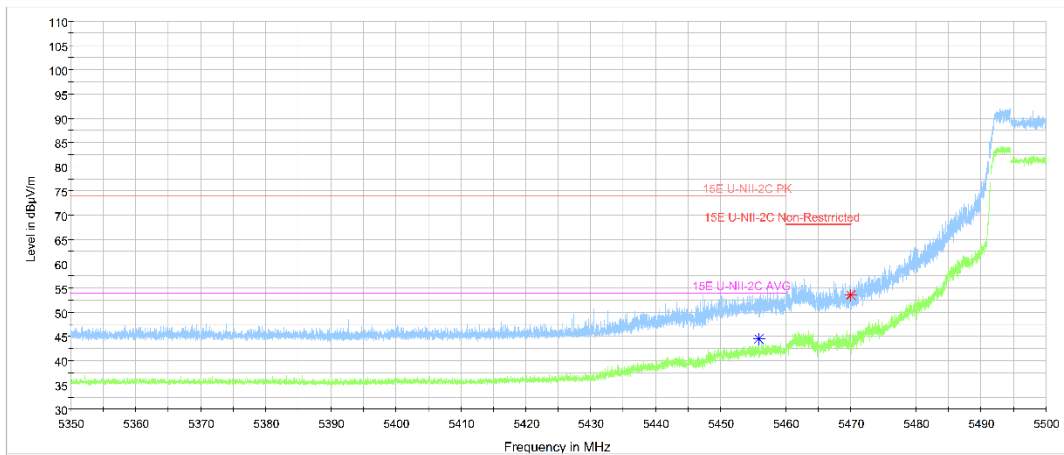
**Fig. 20 Band Edges (802.11ac-VHT40 , MIMO,Ch134, 5670MHz)**



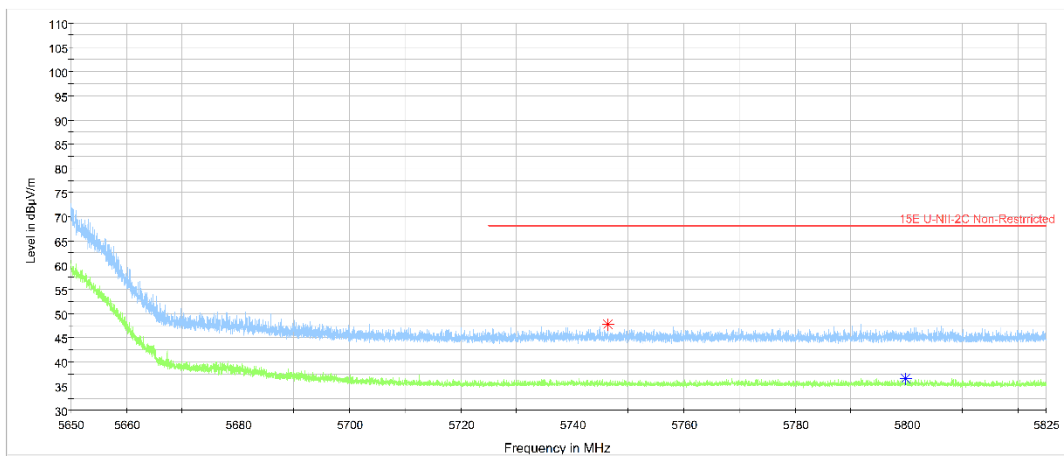
**Fig. 21 Band Edges (802.11ac-VHT80 , MIMO,Ch42 , 5210MHz)**



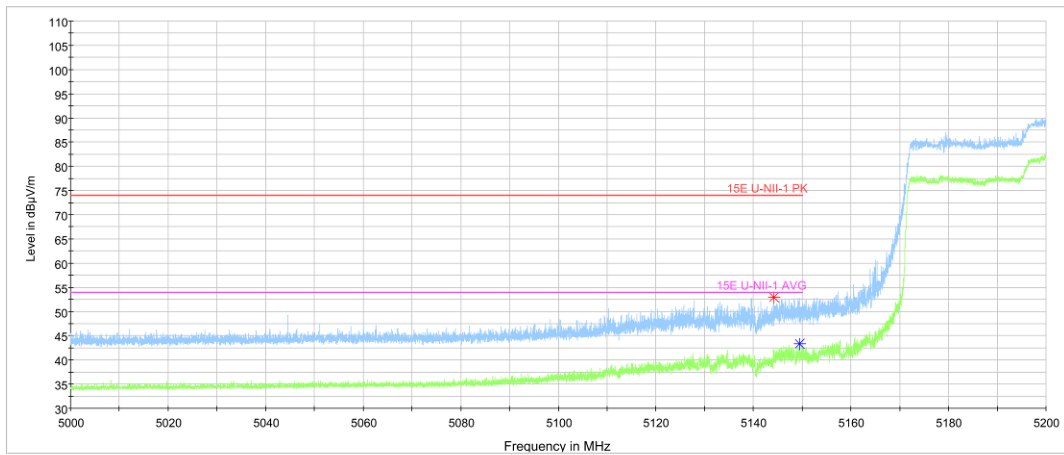
**Fig. 22 Band Edges (802.11ac-VHT80 , MIMO,Ch58, 5290MHz)**



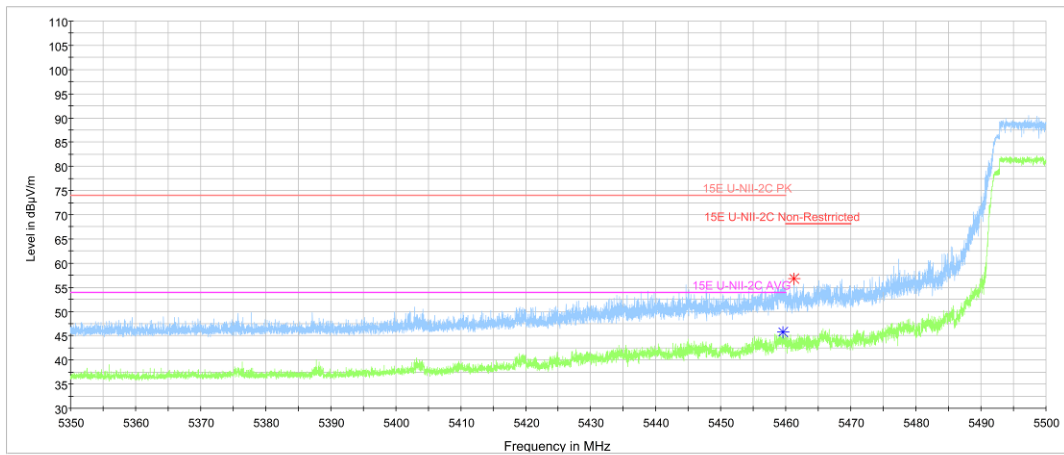
**Fig. 23 Band Edges (802.11ac-VHT80 , MIMO,Ch106, 5530MHz)**



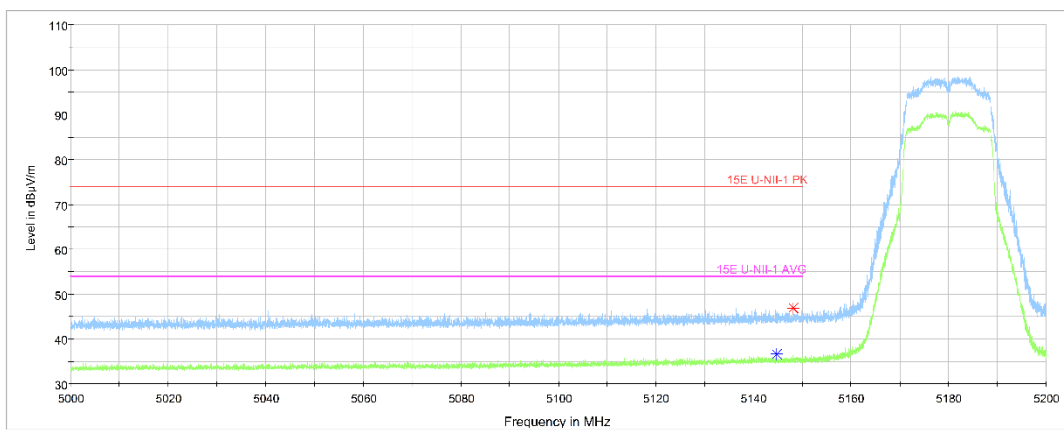
**Fig. 24 Band Edges (802.11ac-VHT80 , MIMO,Ch122, 5610MHz)**



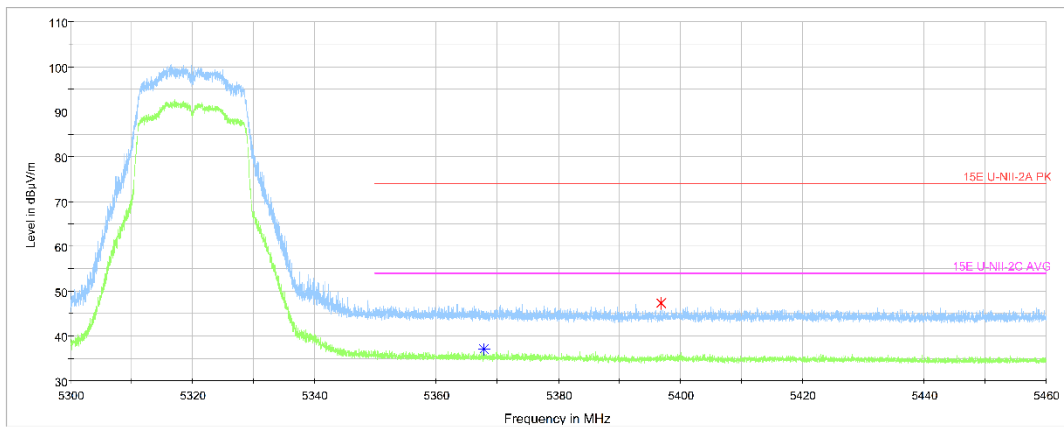
**Fig. 25 Band Edges (802.11ac-VHT160 , MIMO,Ch50, 5250MHz)**



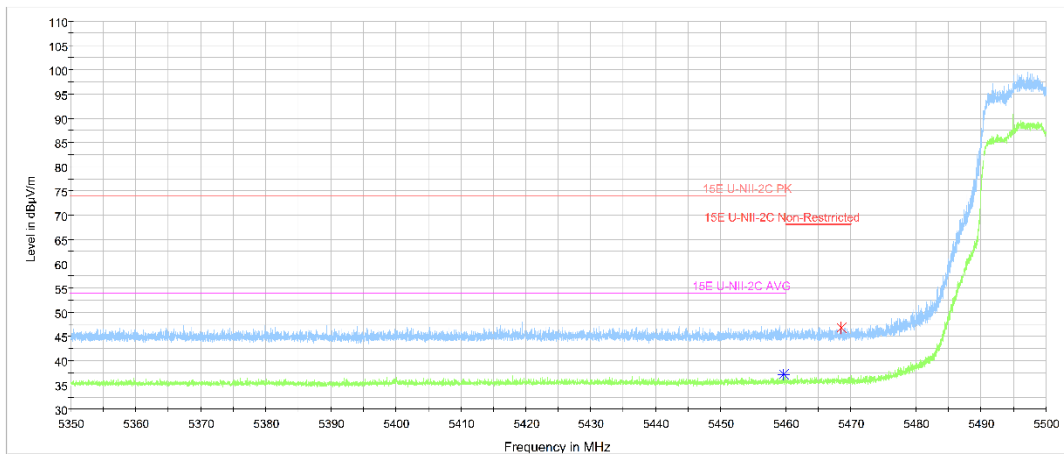
**Fig. 26 Band Edges (802.11ac-VHT160 , MIMO,Ch114, 5570MHz)**



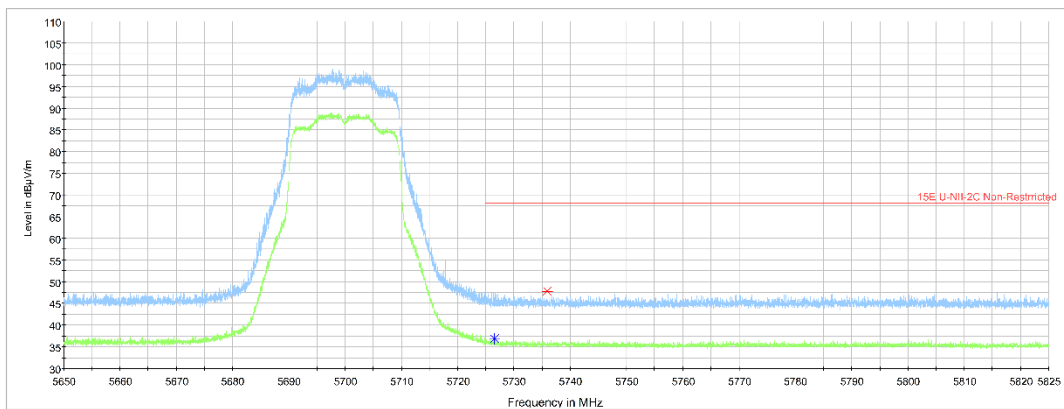
**Fig. 27 Band Edges (802.11ax-HE20 , full RU, MIMO,Ch36, 5180MHz)**



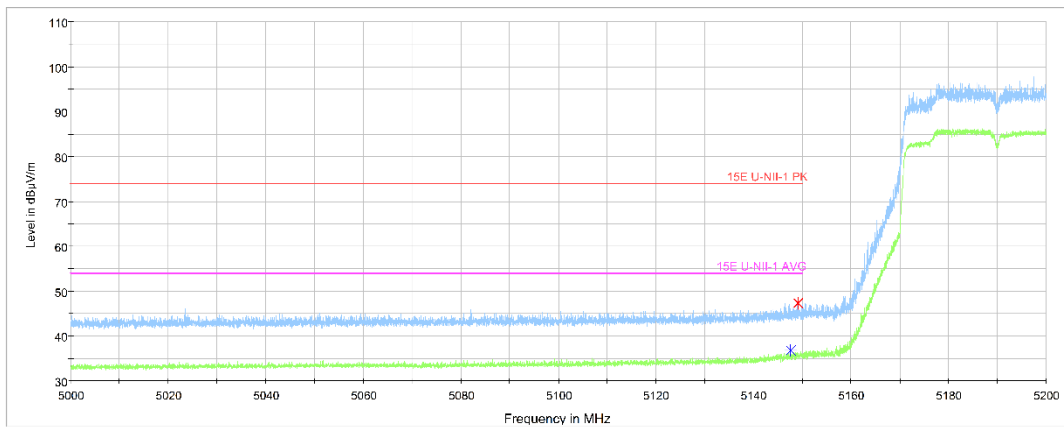
**Fig. 28 Band Edges (802.11ax-HE20 , full RU, MIMO,Ch64, 5320MHz)**



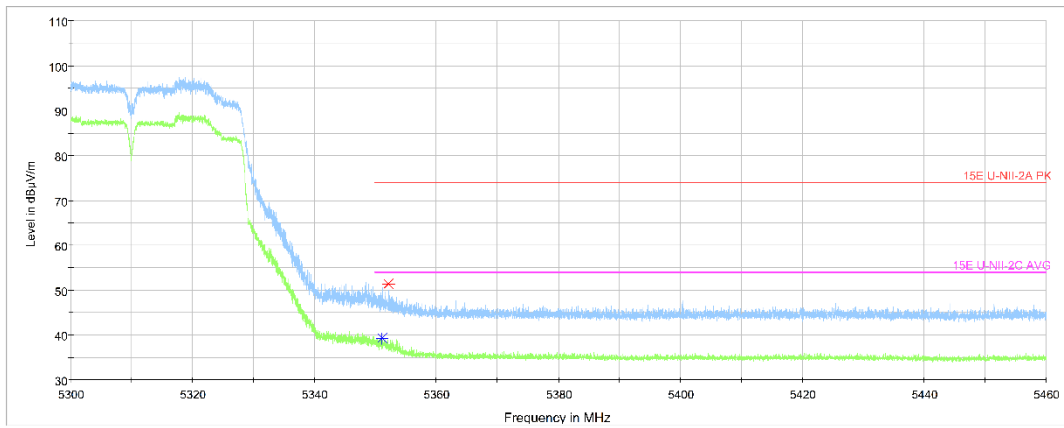
**Fig. 29 Band Edges (802.11ax-HE20 , full RU, MIMO,Ch100, 5500MHz)**



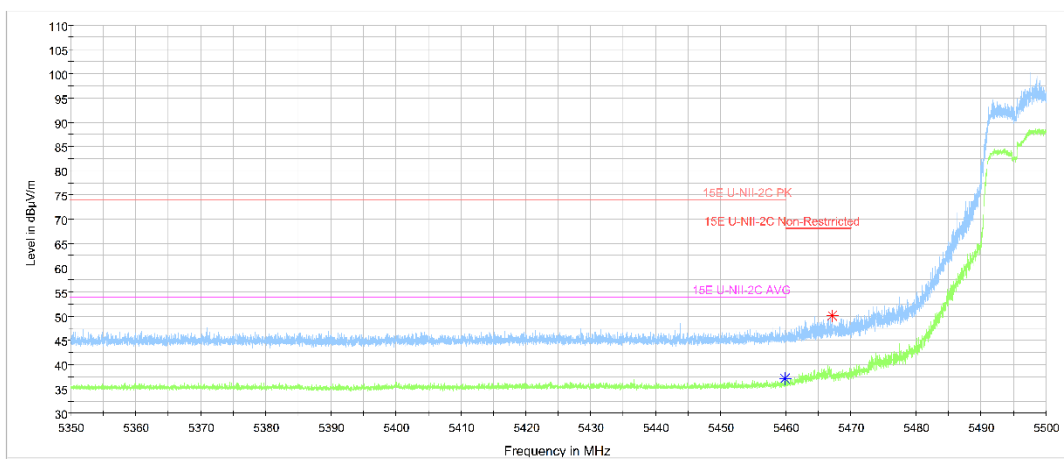
**Fig. 30 Band Edges (802.11ax-HE20 , full RU, MIMO,Ch140, 5700MHz)**



**Fig. 31 Band Edges (802.11ax-HE40 , full RU, MIMO,Ch38, 5190MHz)**

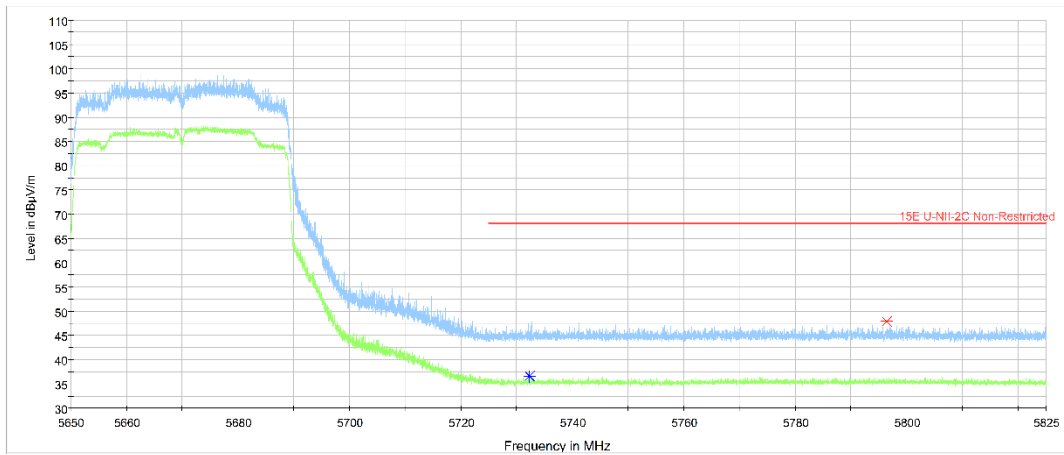


**Fig. 32 Band Edges (802.11ax-HE40 , full RU, MIMO,Ch62, 5310MHz)**

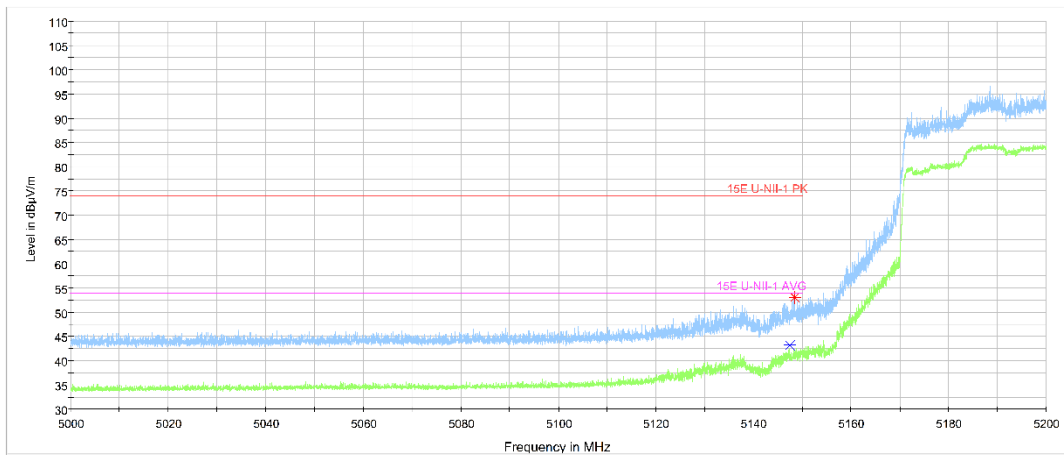


**Fig. 33 Band Edges (802.11ax-HE40 , full RU, MIMO,Ch102, 5510MHz)**

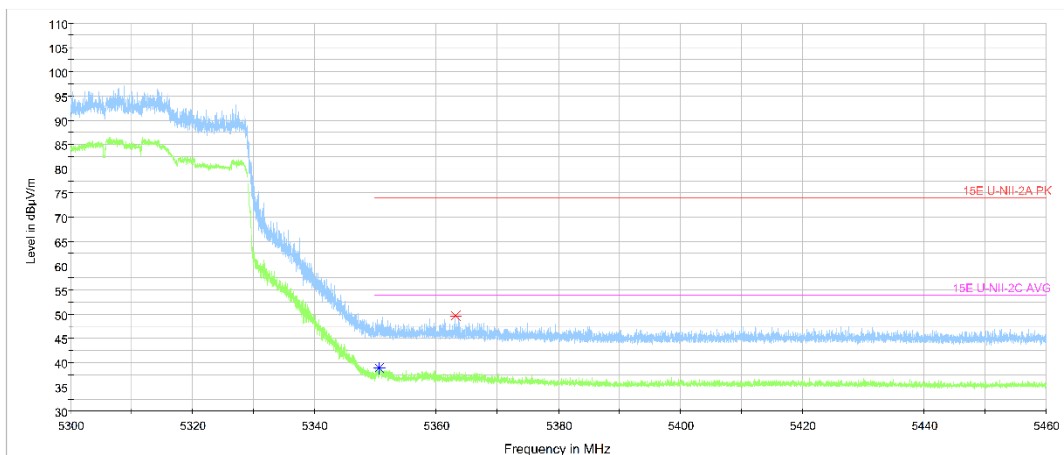




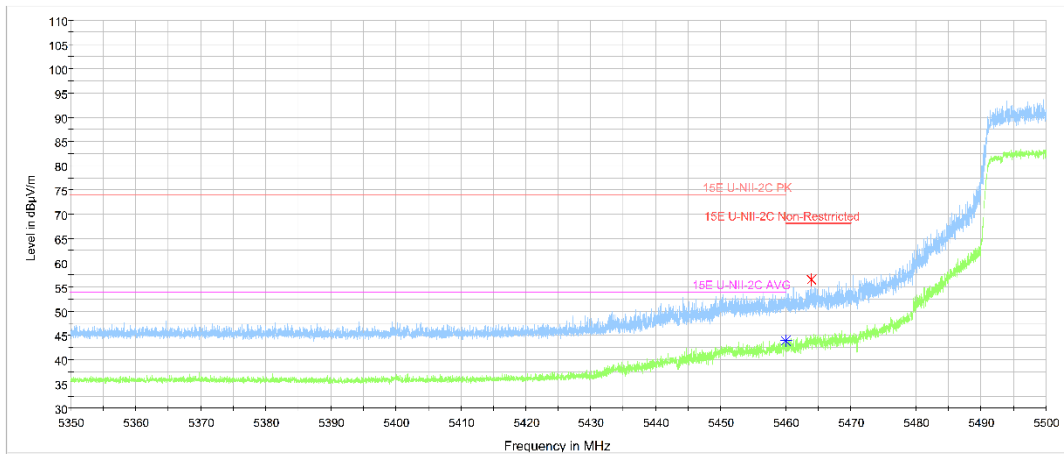
**Fig. 34 Band Edges (802.11ax-HE40 , full RU, MIMO,Ch134, 5670MHz)**



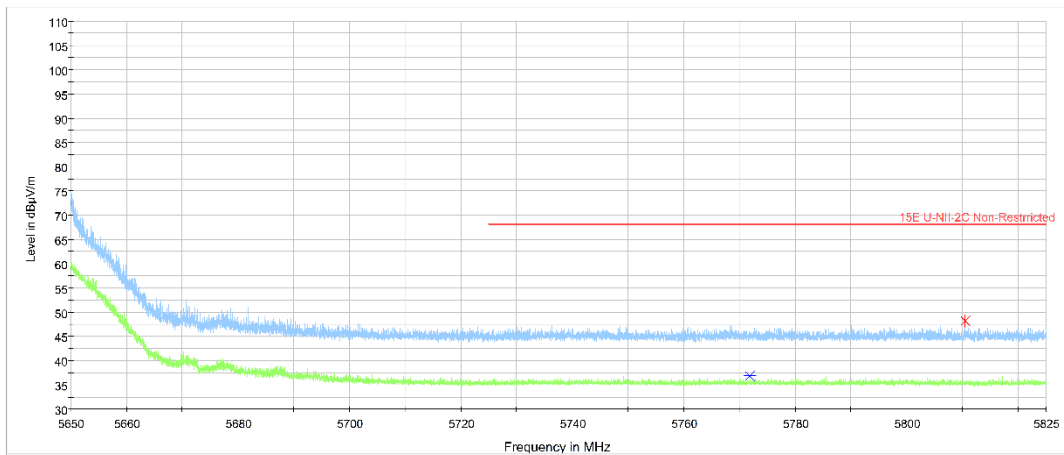
**Fig. 35 Band Edges (802.11ax-HE80 , full RU, MIMO,Ch42 , 5210MHz)**



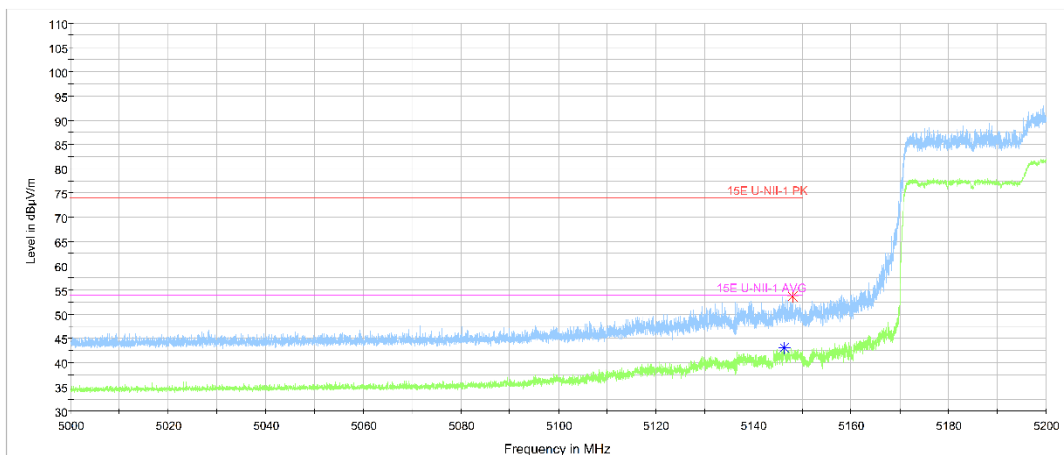
**Fig. 36 Band Edges (802.11ax-HE80 , full RU, MIMO,Ch58, 5290MHz)**



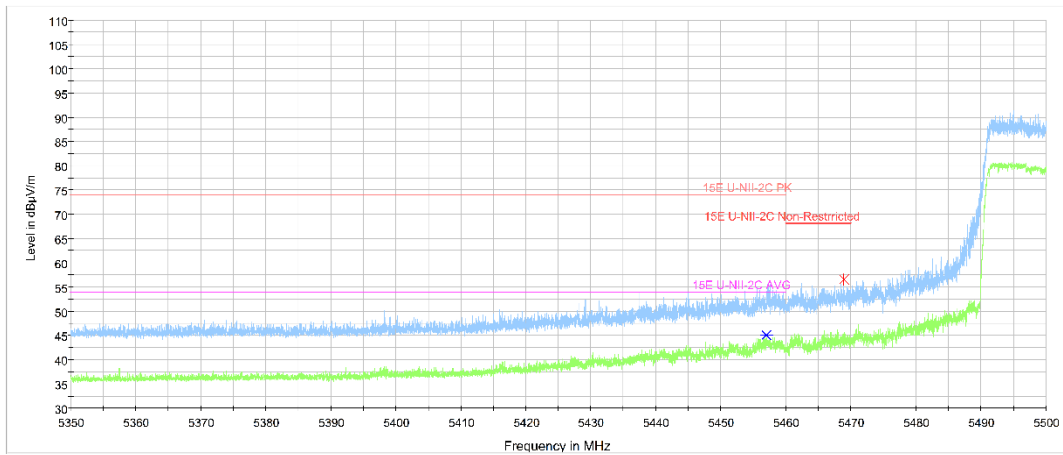
**Fig. 37 Band Edges (802.11ax-HE80 , full RU, MIMO,Ch106, 5530MHz)**



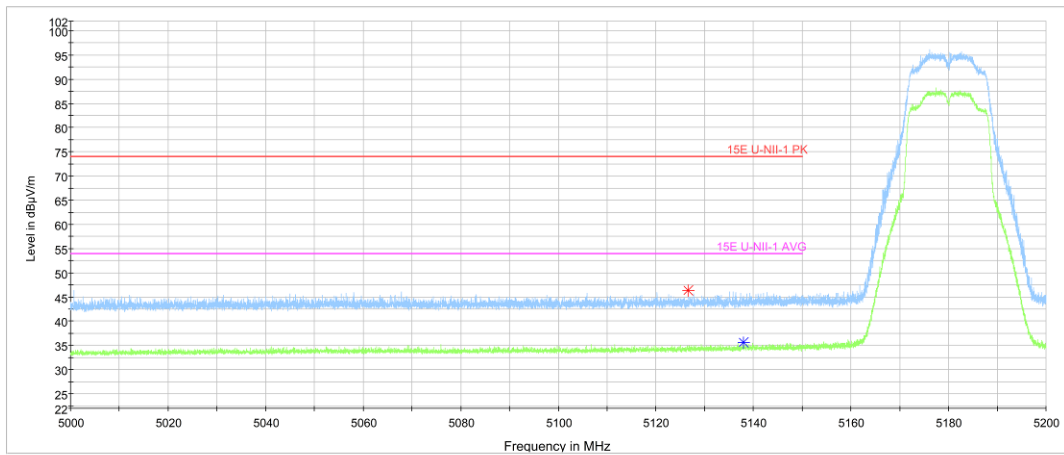
**Fig. 38 Band Edges (802.11ax-HE80 , full RU, MIMO,Ch122, 5610MHz)**



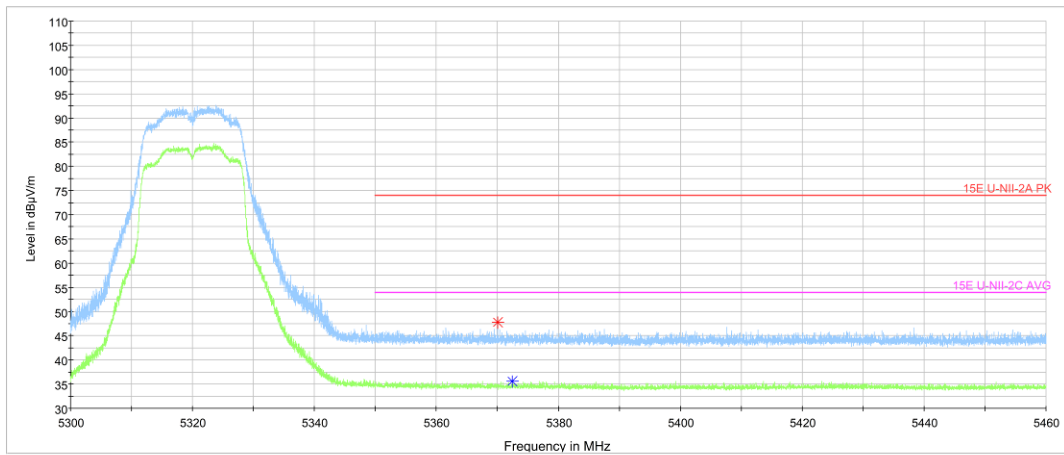
**Fig. 39 Band Edges (802.11ax-HE160 , full RU, MIMO,Ch50, 5250MHz)**



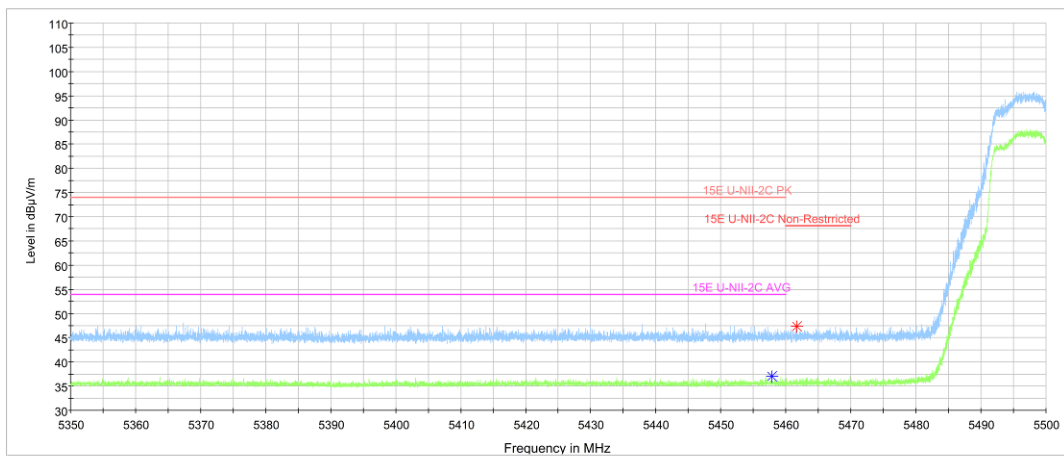
**Fig. 40 Band Edges (802.11ax-HE160 , full RU, MIMO,Ch114, 5570MHz)**



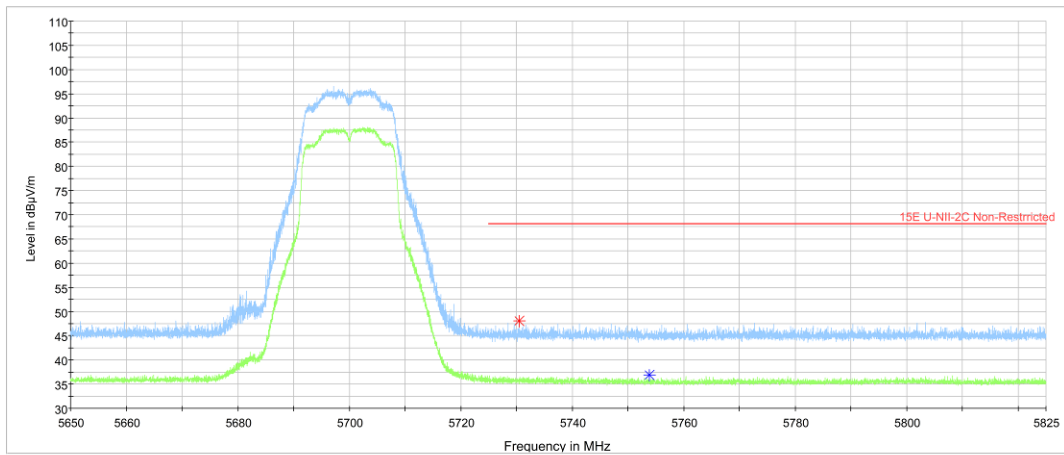
**Fig. 41 Band Edges (802.11a, CHAIN A, Ch36, 5180MHz)**



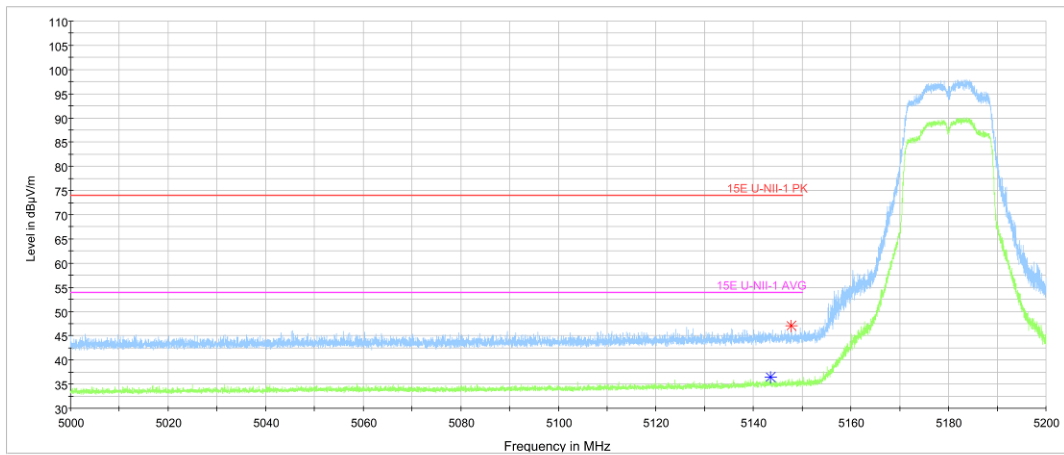
**Fig. 42 Band Edges (802.11a, CHAIN A, Ch64, 5320MHz)**



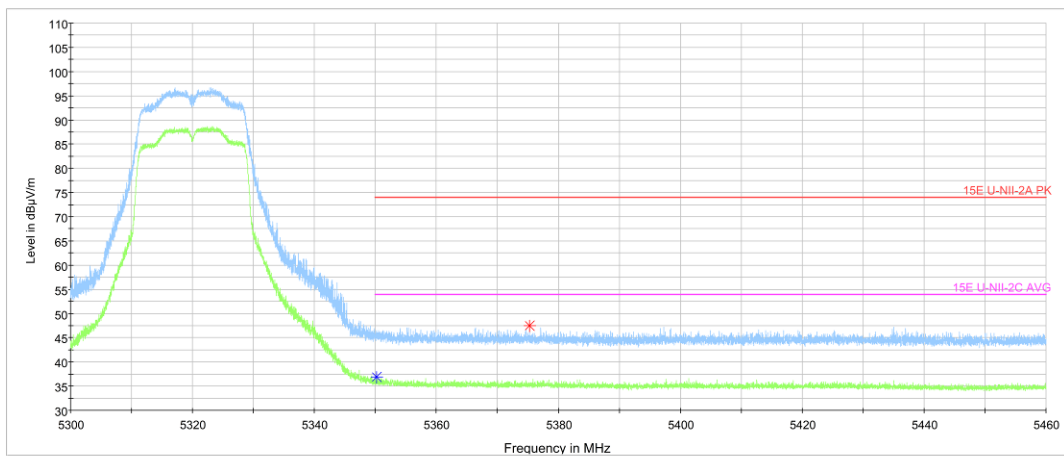
**Fig. 43 Band Edges (802.11a, CHAIN A, Ch100, 5500MHz)**



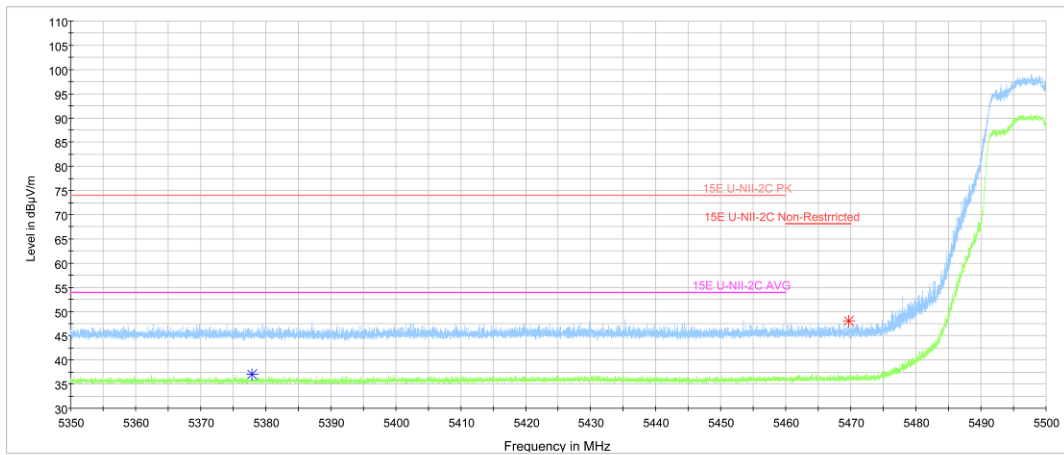
**Fig. 44 Band Edges (802.11a, CHAIN A, Ch140, 5700MHz)**



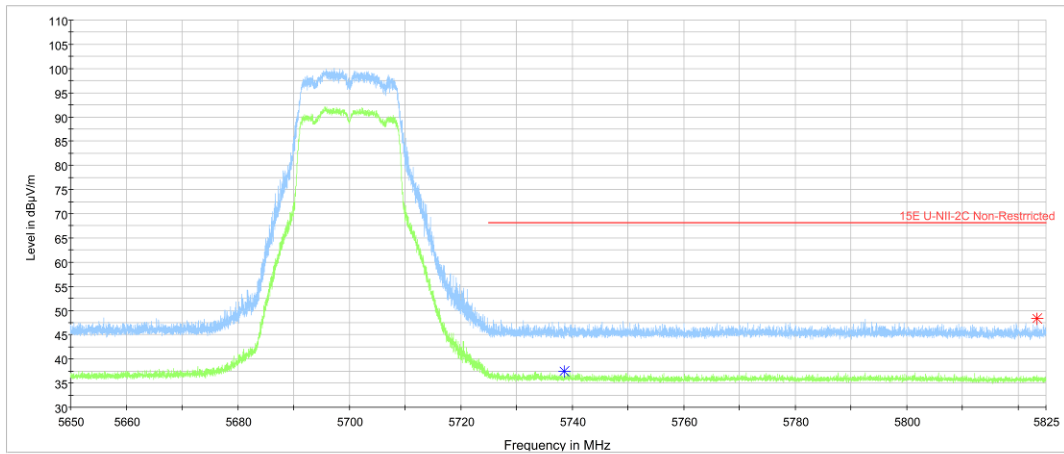
**Fig. 45 Band Edges (802.11n-HT20, MIMO, Ch36, 5180MHz)**



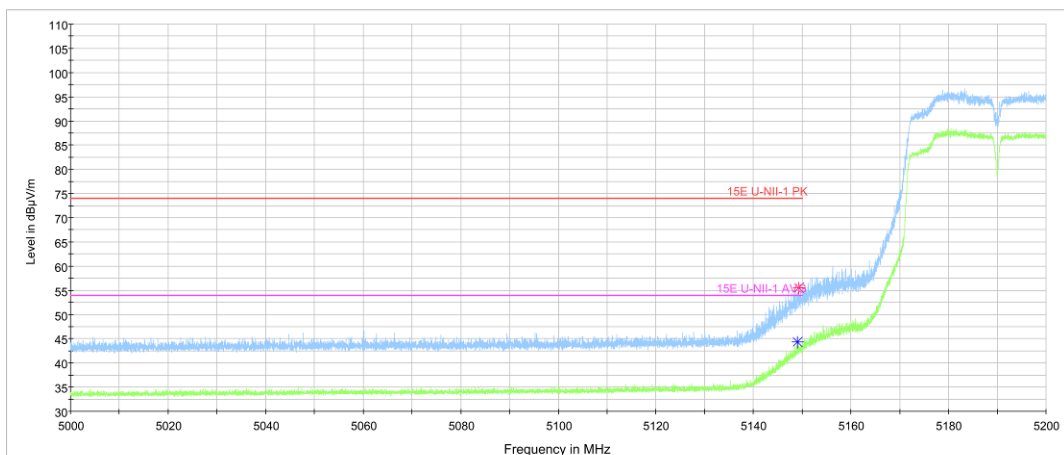
**Fig. 46 Band Edges (802.11n-HT20 , MIMO, Ch64, 5320MHz)**



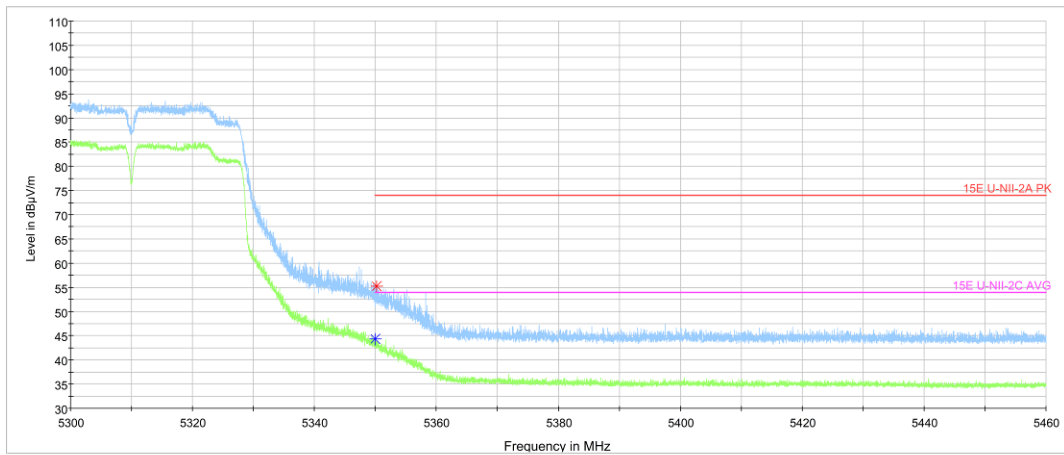
**Fig. 47 Band Edges (802.11n-HT20 , MIMO,Ch100, 5500MHz)**



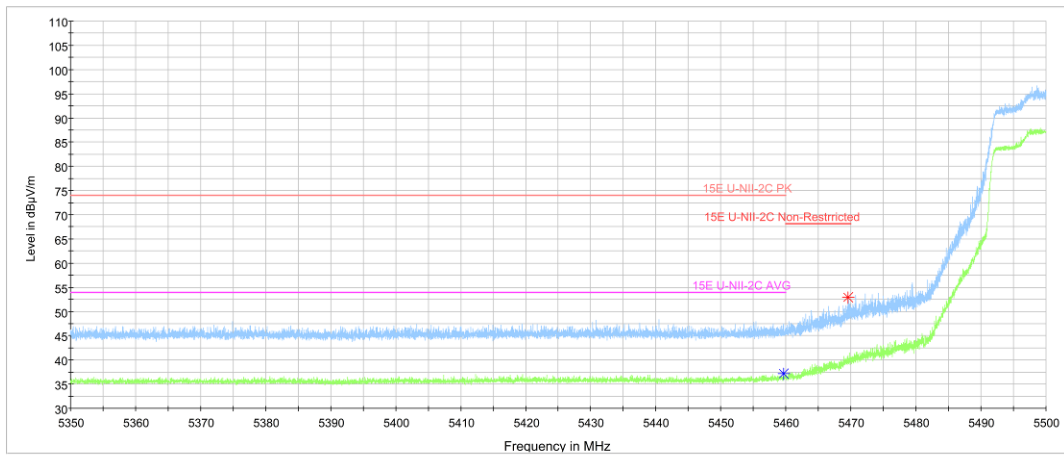
**Fig. 48 Band Edges (802.11n-HT20 , MIMO,Ch140, 5700MHz)**



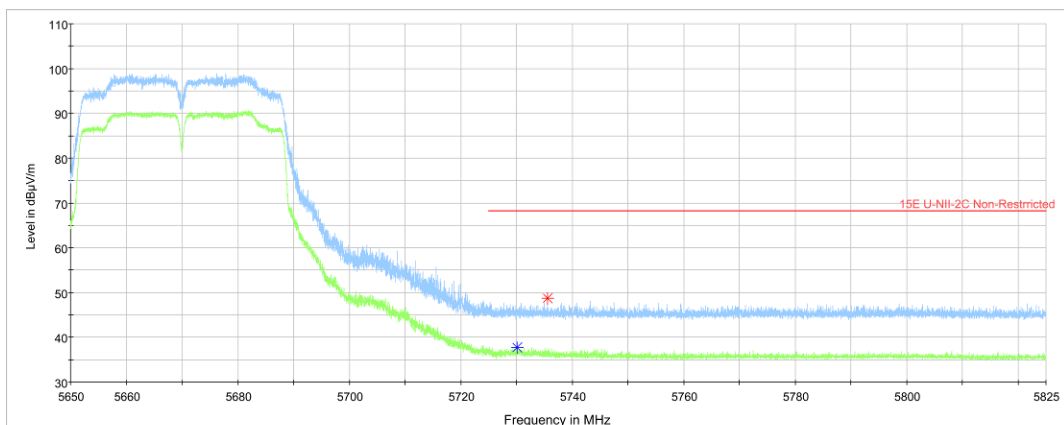
**Fig. 49 Band Edges (802.11n-HT40 , MIMO,Ch38, 5190MHz)**



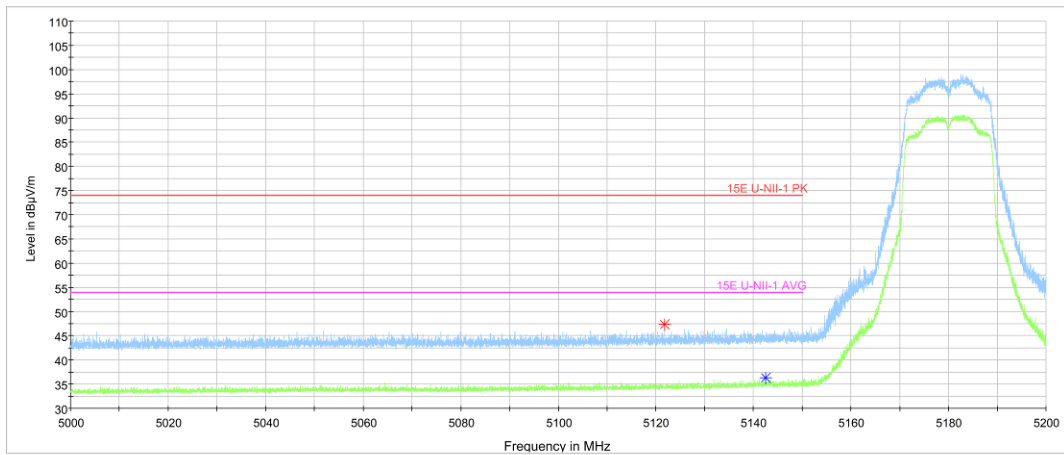
**Fig. 50 Band Edges (802.11n-HT40 , MIMO,Ch62, 5310MHz)**



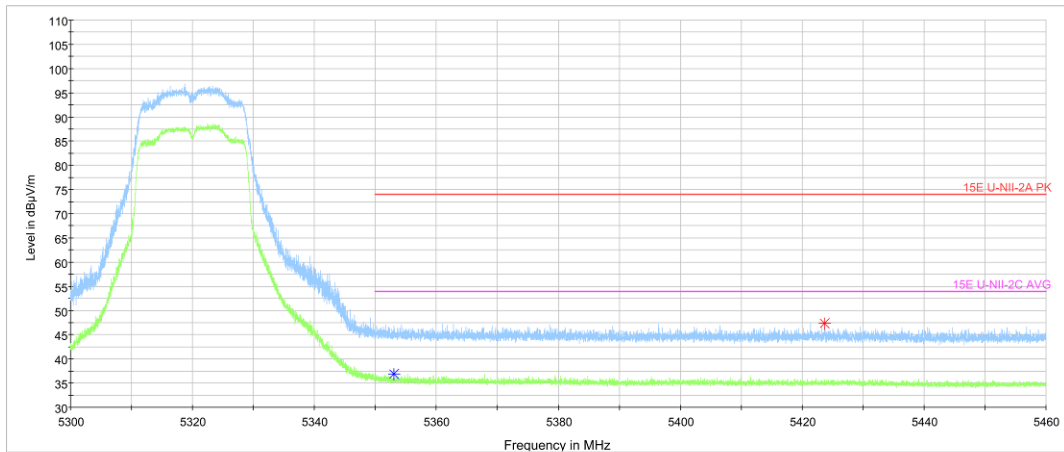
**Fig. 51 Band Edges (802.11n-HT40 , MIMO,Ch102, 5510MHz)**



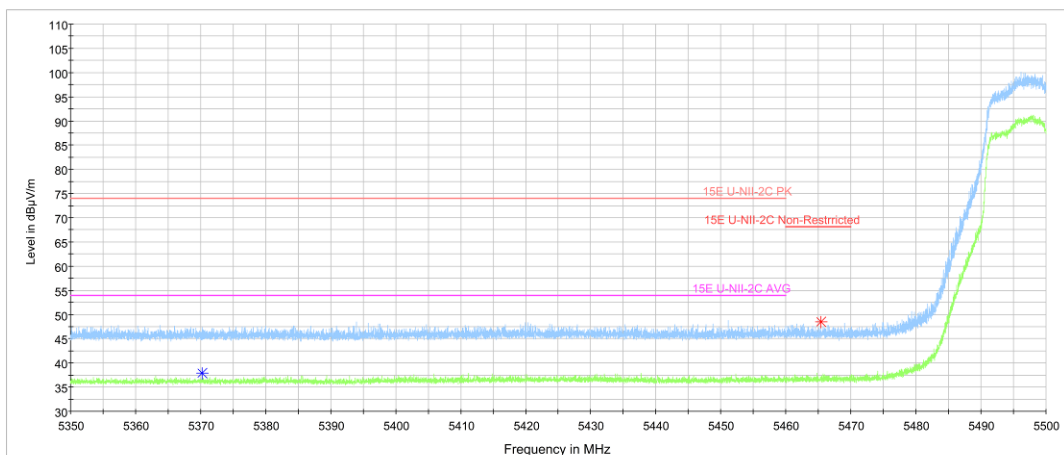
**Fig. 52 Band Edges (802.11n-HT40 , MIMO,Ch134, 5670MHz)**



**Fig. 53 Band Edges (802.11ac-VHT20 , MIMO,Ch36, 5180MHz)**

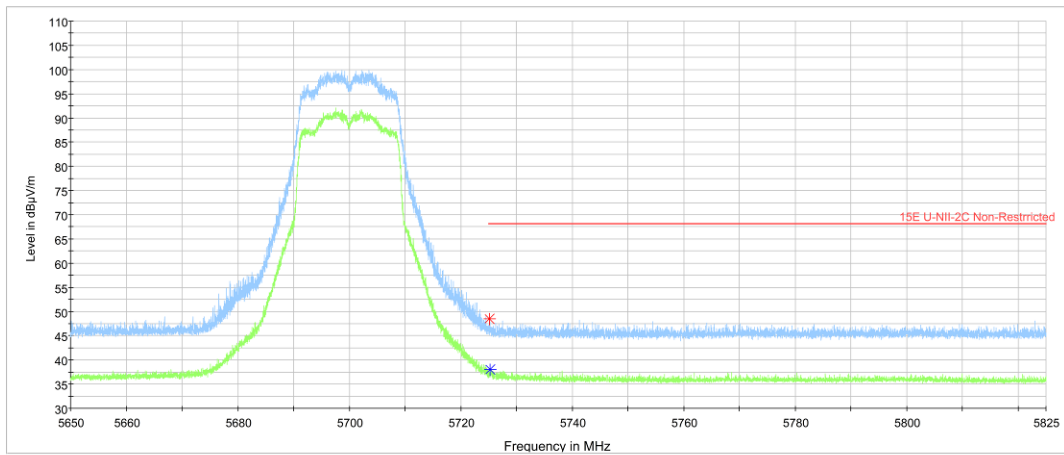


**Fig. 54 Band Edges (802.11ac-VHT20 , MIMO,Ch64, 5320MHz)**

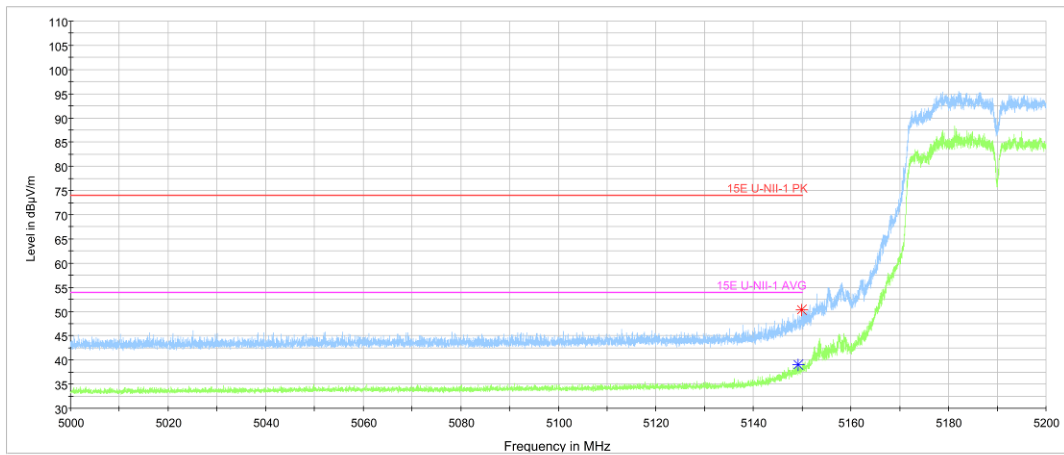


**Fig. 55 Band Edges (802.11ac-VHT20 , MIMO,Ch100, 5500MHz)**

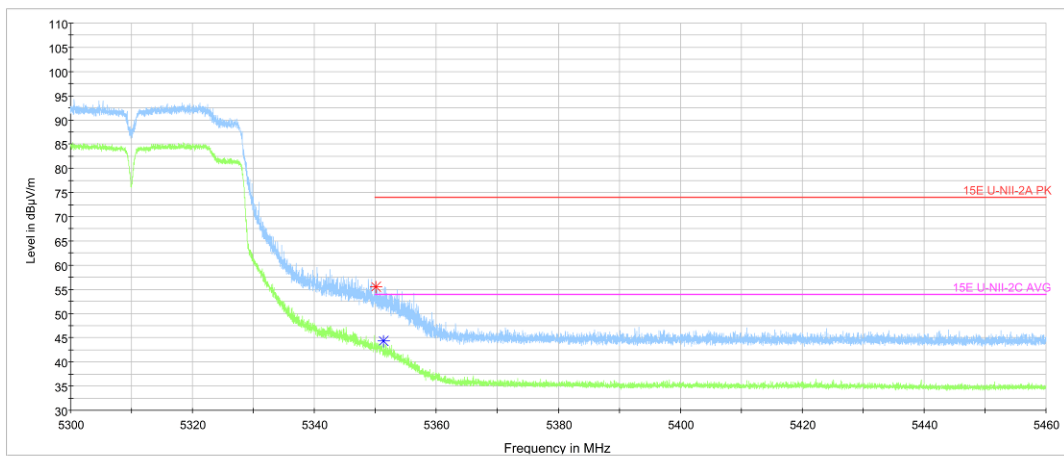




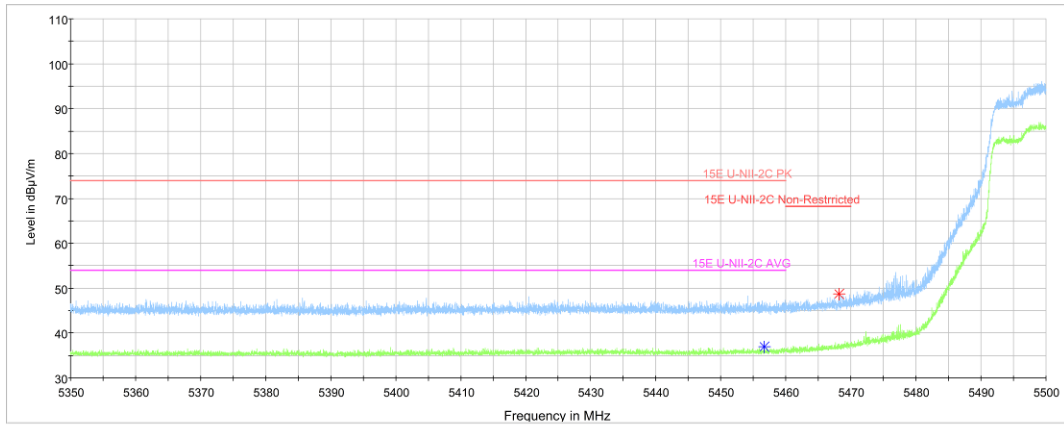
**Fig. 56 Band Edges (802.11ac-VHT20 , MIMO,Ch140, 5700MHz)**



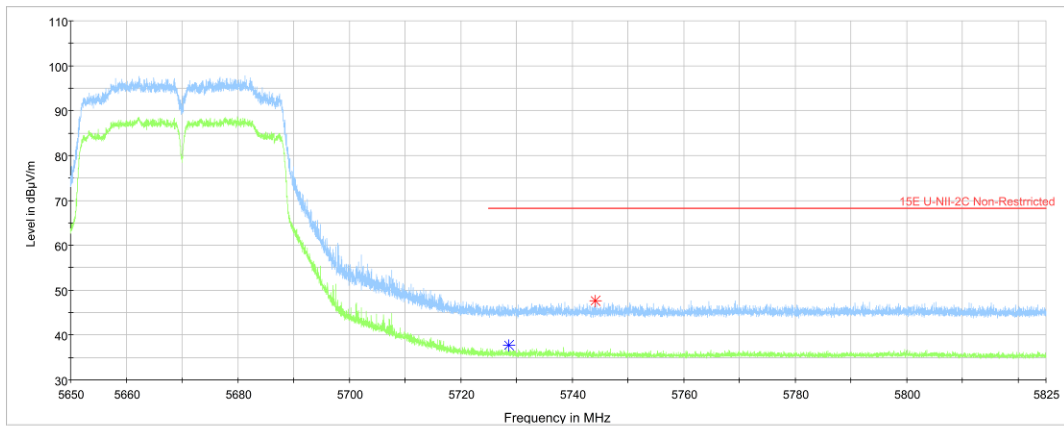
**Fig. 57 Band Edges (802.11ac-VHT40 , MIMO,Ch38, 5190MHz)**



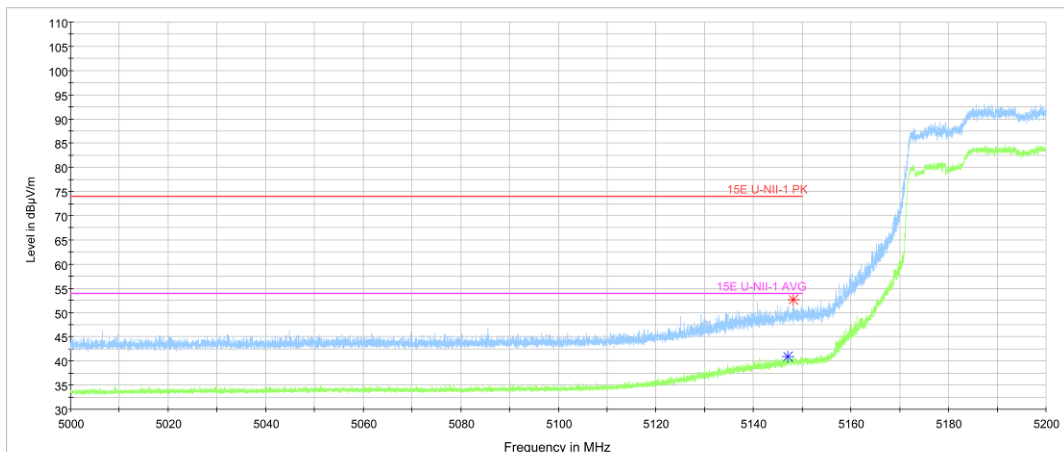
**Fig. 58 Band Edges (802.11ac-VHT40 , MIMO,Ch62, 5310MHz)**



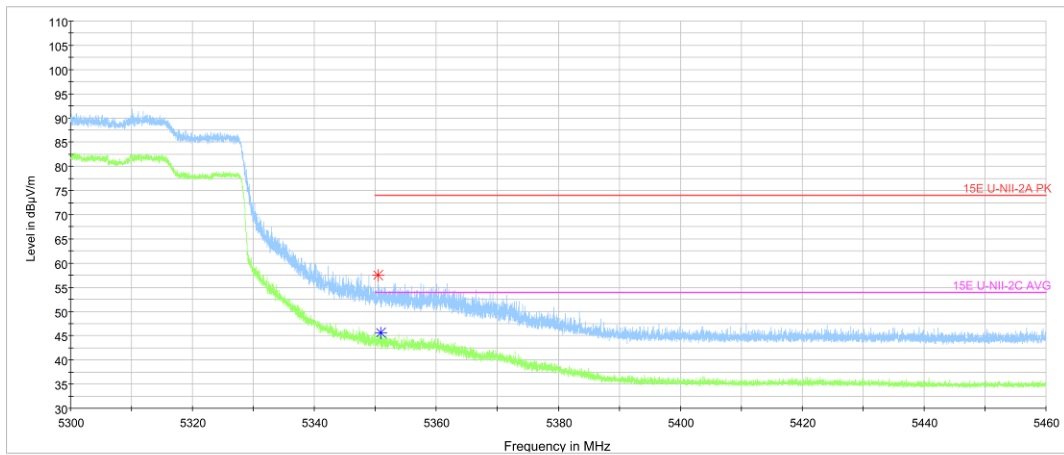
**Fig. 59 Band Edges (802.11ac-VHT40 , MIMO,Ch102, 5510MHz)**



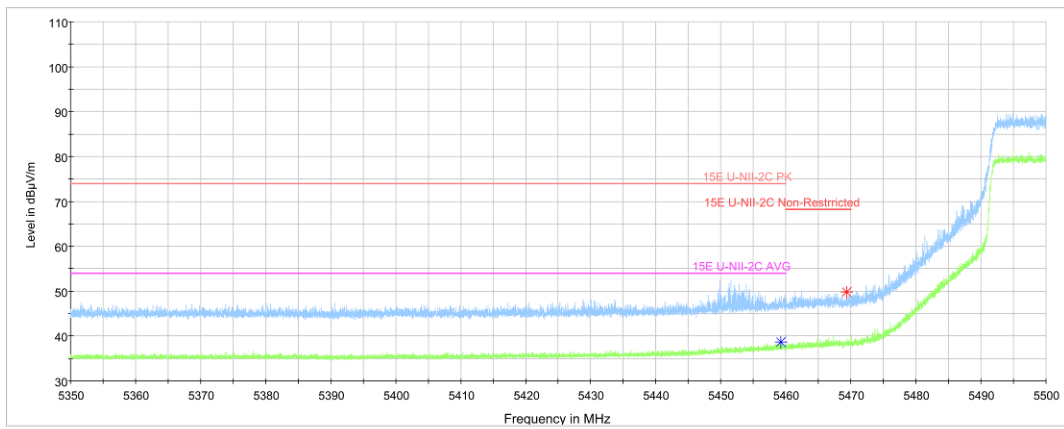
**Fig. 60 Band Edges (802.11ac-VHT40 , MIMO,Ch134, 5670MHz)**



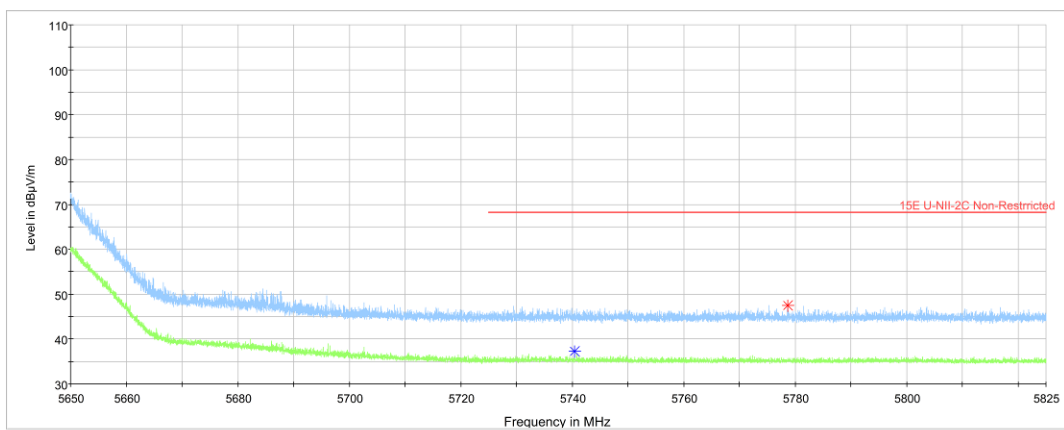
**Fig. 61 Band Edges (802.11ac-VHT80 , MIMO,Ch42 , 5210MHz)**



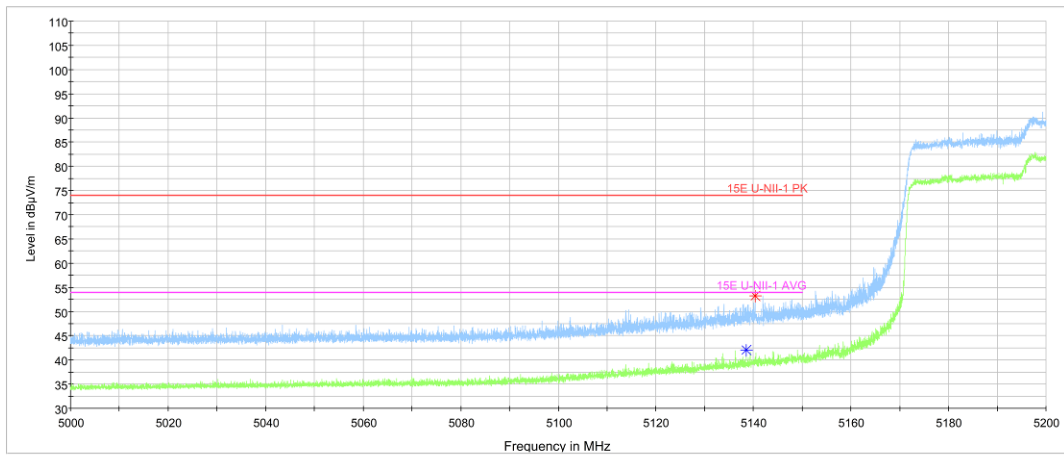
**Fig. 62 Band Edges (802.11ac-VHT80 , MIMO,Ch58, 5290MHz)**



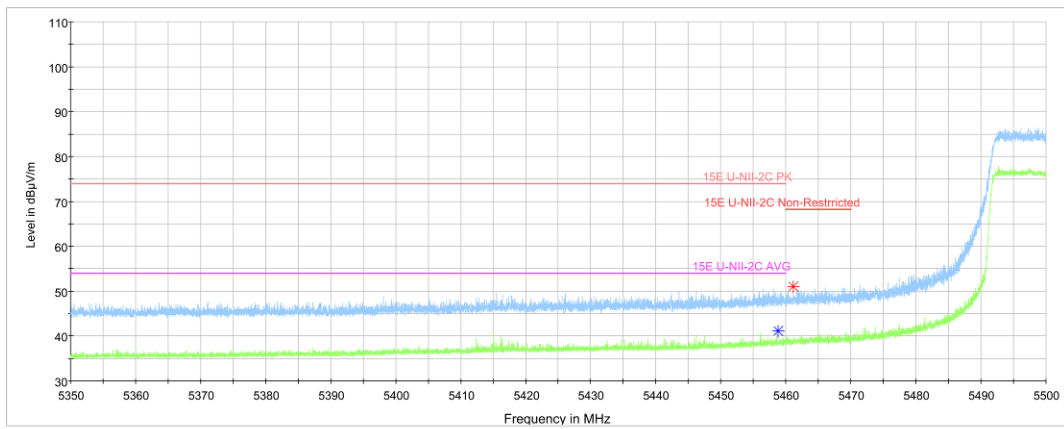
**Fig. 63 Band Edges (802.11ac-VHT80 , MIMO,Ch106, 5530MHz)**



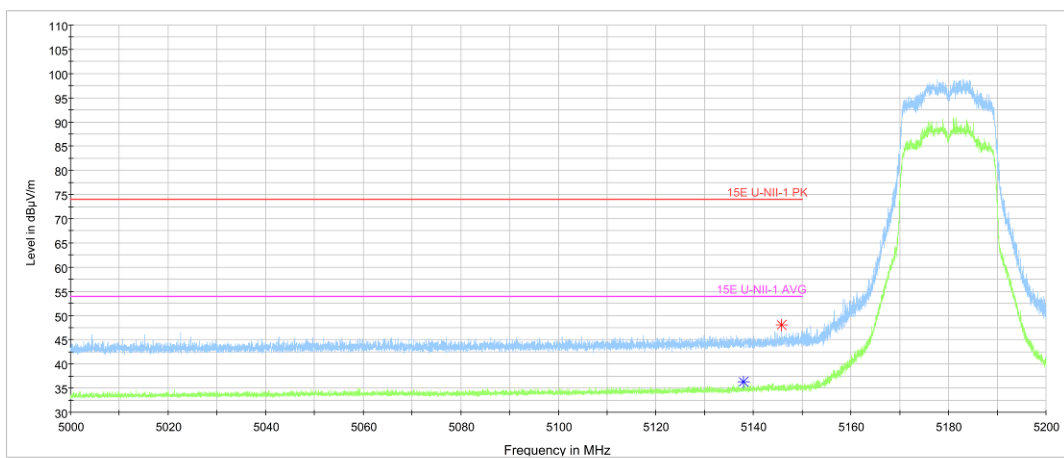
**Fig. 64 Band Edges (802.11ac-VHT80 , MIMO,Ch122, 5610MHz)**



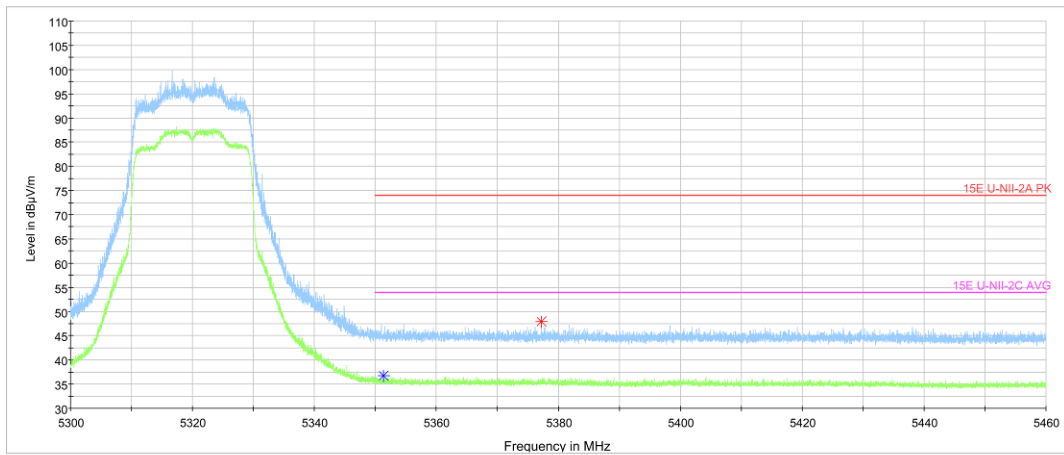
**Fig. 65 Band Edges (802.11ac-VHT160 , MIMO,Ch50, 5250MHz)**



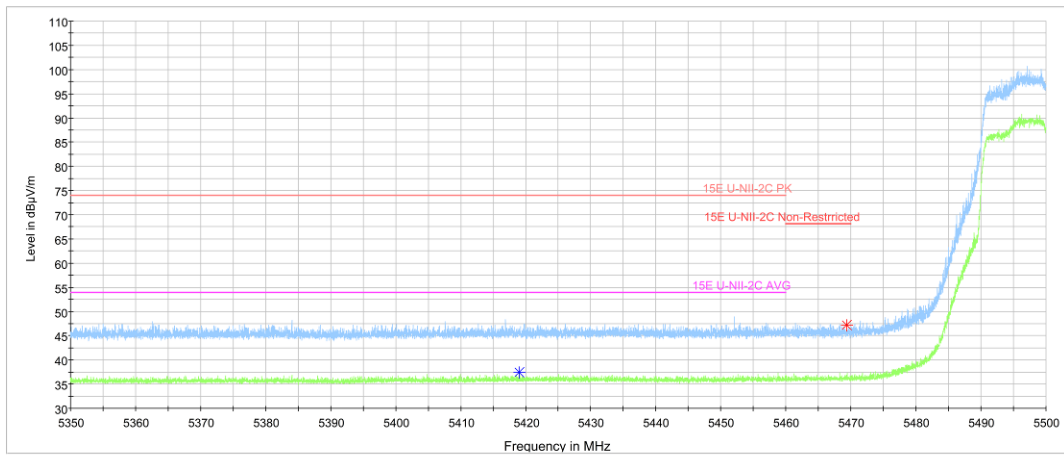
**Fig. 66 Band Edges (802.11ac-VHT160 , MIMO,Ch114, 5570MHz)**



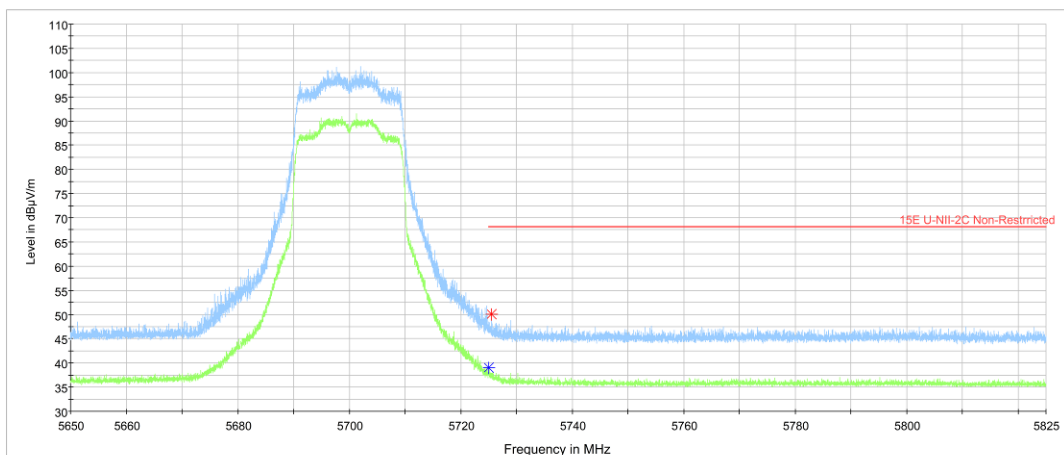
**Fig. 67 Band Edges (802.11ax-HE20 , full RU, MIMO,Ch36, 5180MHz)**



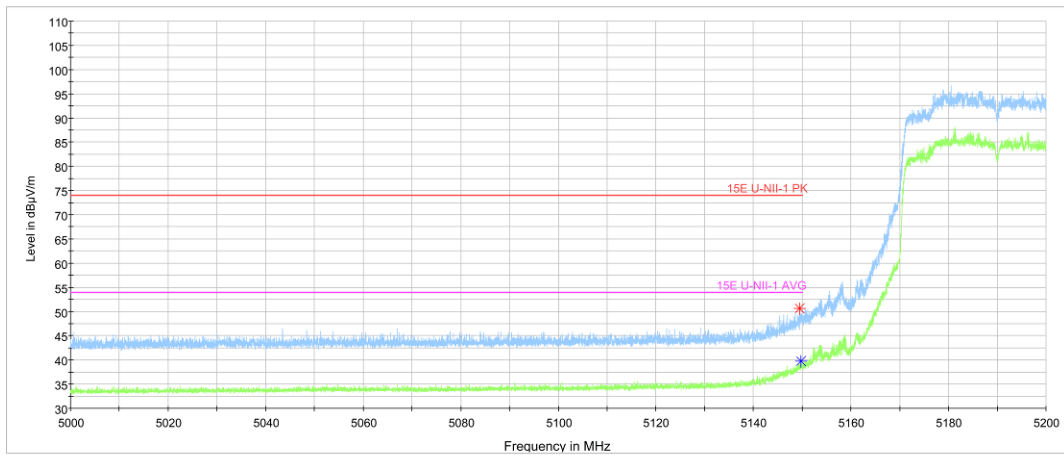
**Fig. 68 Band Edges (802.11ax-HE20 , full RU, MIMO,Ch64, 5320MHz)**



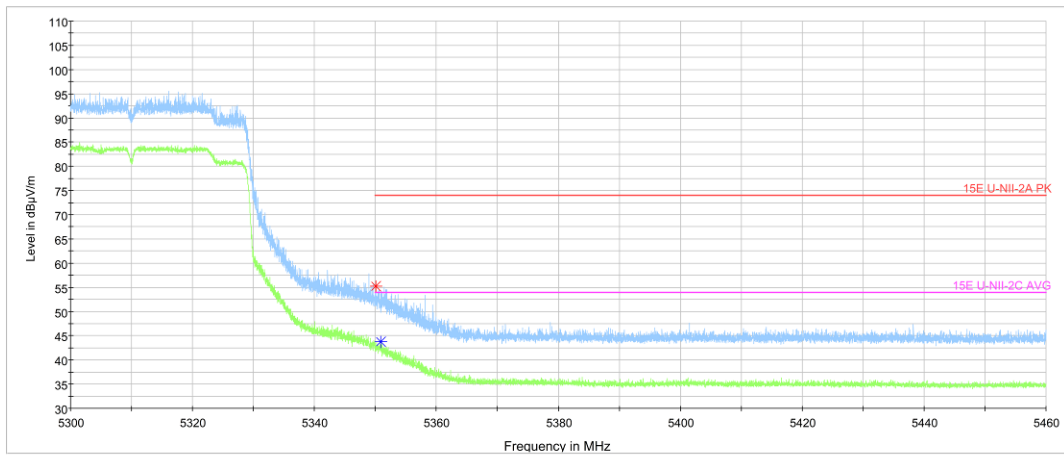
**Fig. 69 Band Edges (802.11ax-HE20 , full RU, MIMO,Ch100, 5500MHz)**



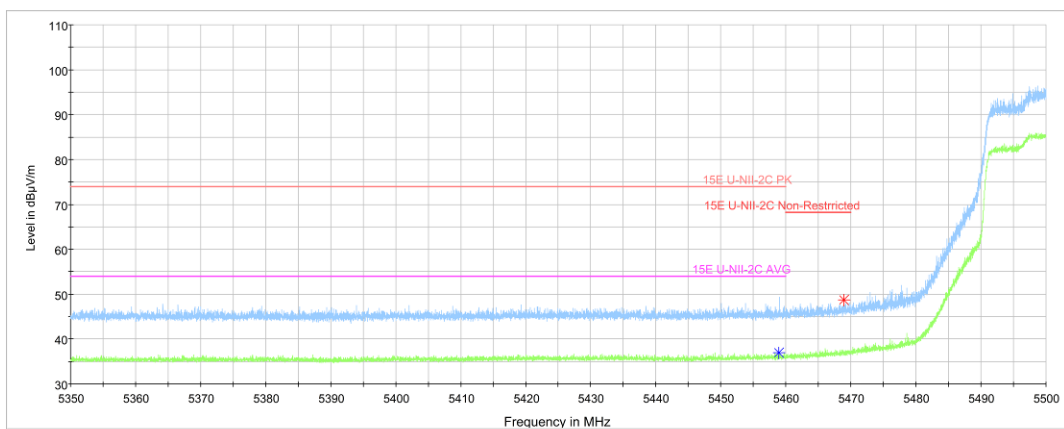
**Fig. 70 Band Edges (802.11ax-HE20 , full RU, MIMO,Ch140, 5700MHz)**



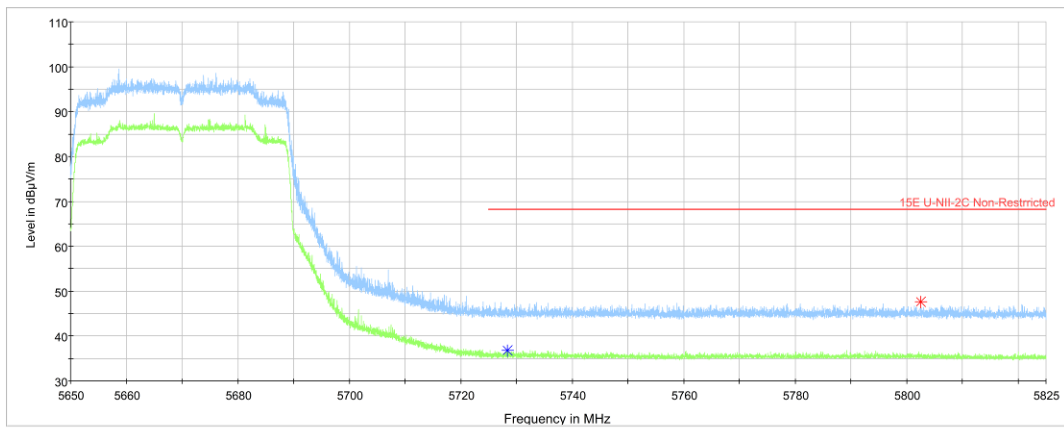
**Fig. 71 Band Edges (802.11ax-HE40 , full RU, MIMO,Ch38, 5190MHz)**



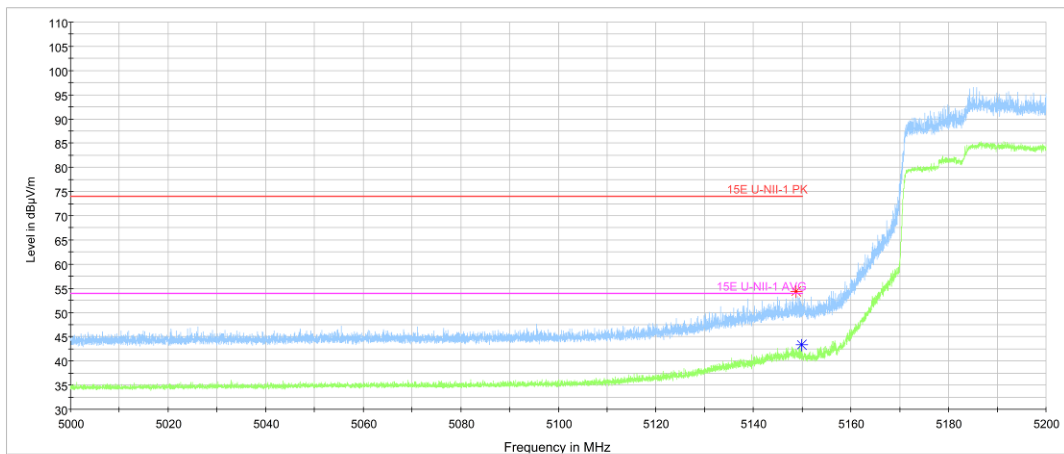
**Fig. 72 Band Edges (802.11ax-HE40 , full RU, MIMO,Ch62, 5310MHz)**



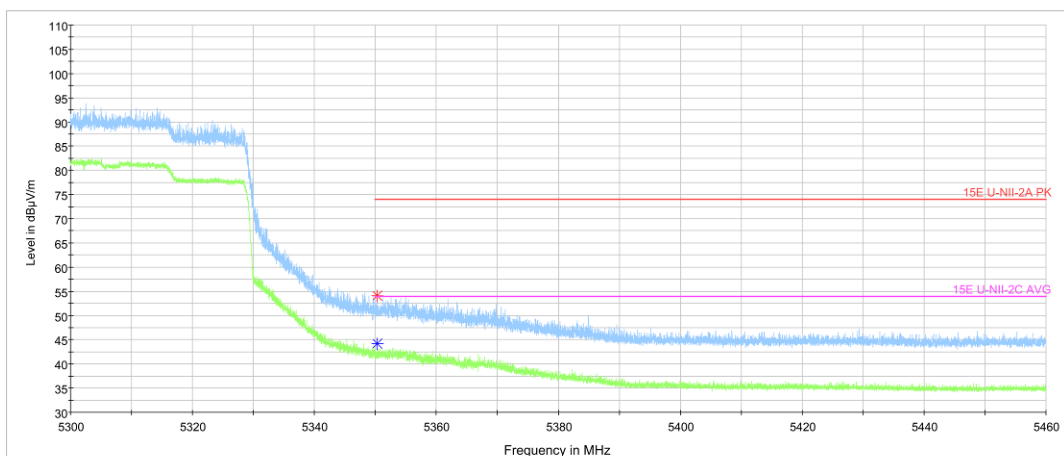
**Fig. 73 Band Edges (802.11ax-HE40 , full RU, MIMO,Ch102, 5510MHz)**



**Fig. 74 Band Edges (802.11ax-HE40 , full RU, MIMO,Ch134, 5670MHz)**



**Fig. 75 Band Edges (802.11ax-HE80 , full RU, MIMO,Ch42 , 5210MHz)**



**Fig. 76 Band Edges (802.11ax-HE80 , full RU, MIMO,Ch58, 5290MHz)**