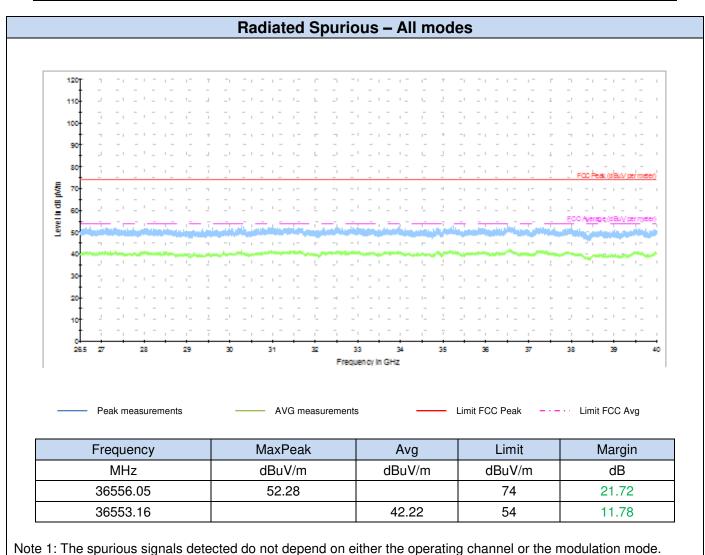






26.5 GHz – 40GHz



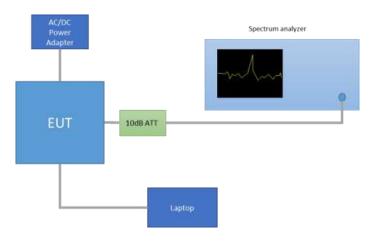


Annex E.Test Results U-NII-3

E.1 6dB & 99% Bandwidth

Test procedure:

The setup below was used to measure the 6dB & 99% Bandwidth. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.



For the overlapped channels between U-NII-2C and U-NII-3, and according to FCC KDB 644545 D03, the boundary frequency between the bands is used as one edge for defining the portion of the 6dB BW that falls within a particular U-NII band. This rule is only applicable for the 6dB BW and for those channels marked as overlapped.

Results tables:

| Mode | Rate | Antenna | Channel | Frequency [MHz] | 6dB BW [MHz] | 99% BW [MHz] |
|------------|-------|--------------|---------|--------------------|-----------------|-----------------|
| | | | 149 | 5745 | 15.13 | 18.88 |
| | | SISO CHAIN A | 157 | 5785 | 15.67 | 19.52 |
| 802.11a | 6Mbpo | | 165 | 5825 | 15.63 | 20.00 |
| 602.11a | 6Mbps | | 149 | 5745 | 15.44 | 19.76 |
| | | SISO CHAIN B | 157 | 5785 | 15.68 | 20.00 |
| | | | 165 | 5825 | 15.33 | 19.84 |
| | | | 144* | 5720 | 3.38 | 18.12 |
| | | | 149 | 5745 | 15.95 | 19.44 |
| | | SISO CHAIN A | 157 | 5785 | 16.73 | 19.48 |
| 802.11n20 | | | 165 | 5825 | 15.94 | 19.44 |
| 002.111120 | HT0 | | 144* | 5720 | 3.40 | 19.28 |
| | | | 149 | 5745 | 16.25 | 20.44 |
| | | SISO CHAIN B | 157 | 5785 | 15.13 | 20.12 |
| | | | 165 | 5825 | 16.24 | 20.28 |

* Overlapped channels between U-NII-2C and U-NII-3

Max Value



| Mode | Rate | Antenna | Channel | Frequency [MHz] | 6dB BW [MHz] | 99% BW [MHz] |
|------------|-------|--------------|----------|--------------------|-----------------|-----------------|
| | | | 144* | 5720 | 3.13 | 19.68 |
| | | | 149 | 5745 | 16.00 | 19.64 |
| | | MIMO CHAIN A | 157 | 5785 | 15.75 | 19.96 |
| 000 11=00 | | | 165 | 5825 | 16.13 | 20.36 |
| 802.11n20 | HT8 | | 144* | 5720 | 3.75 | 21.92 |
| | | | 149 | 5745 | 17.50 | 21.80 |
| | | MIMO CHAIN B | 157 | 5785 | 17.52 | 22.92 |
| | | | 165 | 5825 | 16.92 | 23.04 |
| | | | 142F* | 5710 | 3.18 | 37.04 |
| | | SISO CHAIN A | 151F | 5755 | 35.07 | 37.44 |
| | HT0 | | 159F | 5795 | 35.08 | 37.20 |
| | піо | | 142F* | 5710 | 3.22 | 37.60 |
| | | SISO CHAIN B | 151F | 5755 | 35.08 | 37.60 |
| 802.11n40 | | | 159F | 5795 | 35.07 | 37.76 |
| 002.11140 | | | 142F* | 5710 | 3.19 | 37.60 |
| | | MIMO CHAIN A | 151F | 5755 | 35.07 | 36.48 |
| | HT8 | | 159F | 5795 | 35.06 | 38.00 |
| | 1110 | MIMO CHAIN B | 142F* | 5710 | 3.18 | 37.12 |
| | | | 151F | 5755 | 35.08 | 36.40 |
| | | | 159F | 5795 | 35.65 | 41.12 |
| | | SISO CHAIN A | 138ac80* | 5690 | 3.18 | 75.72 |
| | VHT0 | | 155ac80 | 5775 | 75.45 | 75.12 |
| | VIIIO | SISO CHAIN B | 138ac80* | 5690 | 3.16 | 75.48 |
| 802.11ac80 | | | 155ac80 | 5775 | 68.81 | 75.00 |
| 002.110000 | | MIMO CHAIN A | 138ac80* | 5690 | 3.19 | 75.84 |
| | VHT0 | | 155ac80 | 5775 | 75.04 | 75.00 |
| | VIIIO | MIMO CHAIN B | 138ac80* | 5690 | 3.17 | 75.60 |
| | | | 155ac80 | 5775 | 72.53 | 75.00 |

* Overlapped channels between U-NII-2C and U-NII-3

Max Value

In addition, the below table shows the 26dB bandwidth results for the **overlapped channels** falling in U-NII-3 band. These values were used to measure the maximum output power in the U-NII-3 band in chapter E.2.

| Mode | Rate | Antenna | Channel | Frequency [MHz] | 26dB BW in UNII-3 band [MHz] |
|------------|------|--------------|---------|--------------------|------------------------------------|
| | ШΤΛ | SISO CHAIN A | 144 | 5720 | 9.68 |
| 802.11n20 | HT0 | SISO CHAIN B | 144 | 5720 | 11.53 |
| 802.11120 | HT8 | MIMO CHAIN A | 144 | 5720 | 11.78 |
| | піо | MIMO CHAIN B | 144 | 5720 | 12.33 |
| | | SISO CHAIN A | 142F | 5710 | 12.13 |
| 802.11n40 | HT0 | SISO CHAIN B | 142F | 5710 | 16.46 |
| 002.111140 | HT8 | MIMO CHAIN A | 142F | 5710 | 17.00 |
| | піо | MIMO CHAIN B | 142F | 5710 | 12.76 |
| | VHTO | SISO CHAIN A | 138ac80 | 5690 | 38.63 |
| 902 110090 | VHIU | SISO CHAIN B | 138ac80 | 5690 | 20.77 |
| 802.11ac80 | VHT0 | MIMO CHAIN A | 138ac80 | 5690 | 43.38 |
| | VHIU | MIMO CHAIN B | 138ac80 | 5690 | 29.51 |

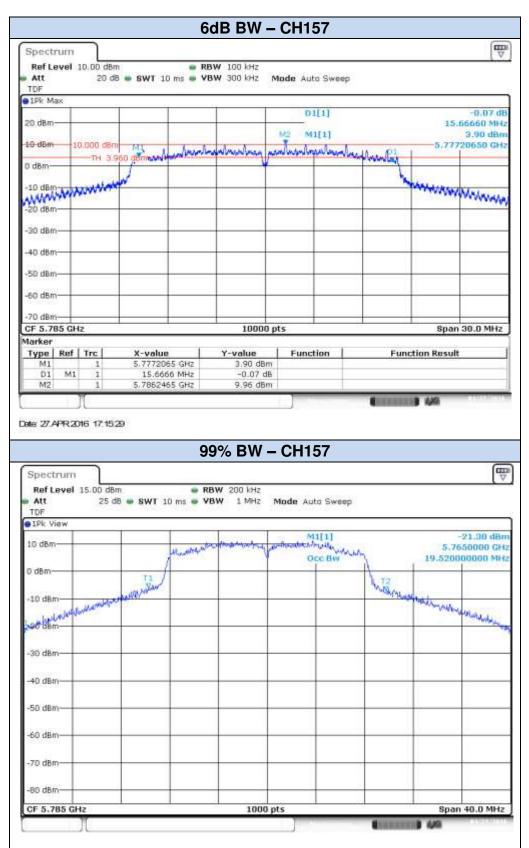


Results screenshot:

802.11a, 6Mbps – Chain A

| | | | 6dB BW – | CH149 | | | |
|--|---|------------------------------|---|-------------------------|--------|------------------------|--------------------------|
| Spectrum | | | | | | | 1 |
| Ref Level Att | 1 M M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 | m 🔹 🕯 18 🖷 SWT 10 ms 🖷 | RBW 100 kHz VBW 300 kHz M | ode Auto Sweep | 2 | | 1, |
| TDF 1Pk Max | 1000100 | | | | | | |
| The man | | 1 1 | | D1[1] | | -0 | 1.08 d |
| 30 dBm | | | | | | 15.1323 | |
| SO UDIT | | | | M1[1] | | 5.737427 | 25 dBr 30 GH |
| 20 dBm | | | | | 1 | 1 | |
| 10 dBm | 10.000 dBr | 1 | | M2 | | 1 | |
| | | 290 denmand | imminutes a | alwowledgestrate | manute | - | |
| 0 dBm | | 1 | 4 | | | 1 | |
| -10 dBm | Land Mart | v m | | | | - Martin Martin | |
| 10 dBm | Ant. | - | | | | COMMANN AND | ma |
| 20 dbiii | | | | | | | |
| -30 dBm | | | | | | - | |
| -4D dBm | | | _ | | _ | | |
| | | | | | | | |
| -50 dBm- | | | | | - | | |
| CF 5.745 G | HZ | | 10000 pt | < | | Span 30.0 | 0 MHz |
| larker | | | 10000 p | 1000 | | opunooa | |
| Type Ref | | X-value | Y-value | Function | Fun | ction Result | |
| M1 D1 M | 1 1 | 5.7374273 GHz 15.1322 MHz | 3.25 dBm -0.08 dB | | | | |
| M2 | 1 | 5,7462525 GHz | and the second se | | | | |
| | N | 21 | 9.29 dBm 99% BW - | CH149 | | 449 | 1139111 |
| ele 27.APR |)(2016 1602 | 21 | | CH149 | | ay 449 | (Q |
| ate 27.AFR: Spectrum | 2016 1602 | 21 | 99% BW – | CH149 | | 199 A46 | (¢ |
| ste 27.APR Spectrum Ref Level | 2016 1602 15.00 dB | 21 | 99% BW – | CH149 ode Auto Sweep | | 100 446 | |
| ste 27.APR Spectrum Ref Level Att TDF | 2016 1602 15.00 dB | 21 m | 99% BW – | | | | q |
| ste 27.APR Spectrum Ref Level Att TDF | 2016 1602 15.00 dB | 21 m 8 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | ode Auto Sweep | | -21.1 | |
| Spectrum Ref Level Att TDF 1Pk View | 2016 1602 15.00 dB | 21 m 8 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | | -21.1 5.725000 | 15 dBi |
| ste 27.APR: Spectrum Ref Level Att TDF 1Pk View 10 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | ode Auto Sweep | nty | 5,72500 | 15 dB |
| ste 27.APR: Spectrum Ref Level Att TDF 1Pk View 10 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5,72500 | 15 dB |
| ste 27.APR: Spectrum Ref Level Att TDF 1Pk View 10 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5,72500 | 15 dB |
| ste 27.APR: Spectrum Ref Level Att TDF 1Pk View 10 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dB 80 Gł 30 Mł |
| te 27.APR: Spectrum Ref Level Att TDF 1Pk View 10 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dB 80 Gł 30 Mł |
| ste 27.APR: Spectrum Ref Level Att TDF 1Pk View 10 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 m 8 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBi 80 GF 90 MF |
| Ref Level Att TDF 1Pk View 10 dBm 10 dBm 10 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBi 80 GF 90 MF |
| Ref Level Att TDF 1Pk View 10 dBm 10 dBm 20 dBm 30 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBi 80 GF 90 MF |
| Ref Level Att TDF 1Pk View 10 dBm 10 dBm 20 dBm 30 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBi 80 GF 90 MF |
| ste 27. APR: Spectrum Ref Level Att TDF IPk View 10 dBm 10 dBm 30 dBm 40 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBr 80 GF 90 MF |
| Spectrum Ref Level Att TDF IPk View 10 dBm 0 dBm 10 dBm 30 dBm 40 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBr 80 GF 90 MF |
| ste 27. APR: Spectrum Ref Level Att TDF IPk View 10 dBm 10 dBm 10 dBm 30 dBm 40 dBm 50 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBr 80 GF 90 MF |
| Spectrum Ref Level Att TDF IPk View 10 dBm 0 dBm 10 dBm 30 dBm 40 dBm 50 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBr 80 GF 90 MF |
| Spectrum Ref Level Att TDF IPk View 10 dBm 0 dBm 10 dBm 30 dBm 40 dBm 50 dBm 50 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBr 80 GH 90 MH |
| Spectrum Ref Level Att TDF IPk View 10 dBm 10 dBm -10 dBm -30 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 15 dBr 80 GH 90 MH |
| Spectrum Ref Level Att TDF IPk View 10 dBm 0 dBm 10 dBm 30 dBm 40 dBm 50 dBm 50 dBm | 2016 1602 2016 1602 15.00 dBa 25 d | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | Milli Multinut | nty | 5.72500 18.88000000 | 00 GH |
| Spectrum Ref Level Att TDF IPk View 10 dBm 0 dBm 10 dBm 30 dBm 40 dBm 50 dBm 50 dBm 50 dBm | 2016 1602 | 21 | 99% BW - RBW 200 kHz VBW 1 MHz M | ode Auto Sweep | nty | 5.72500 18.88000000 | IS da BO GH DO MH |



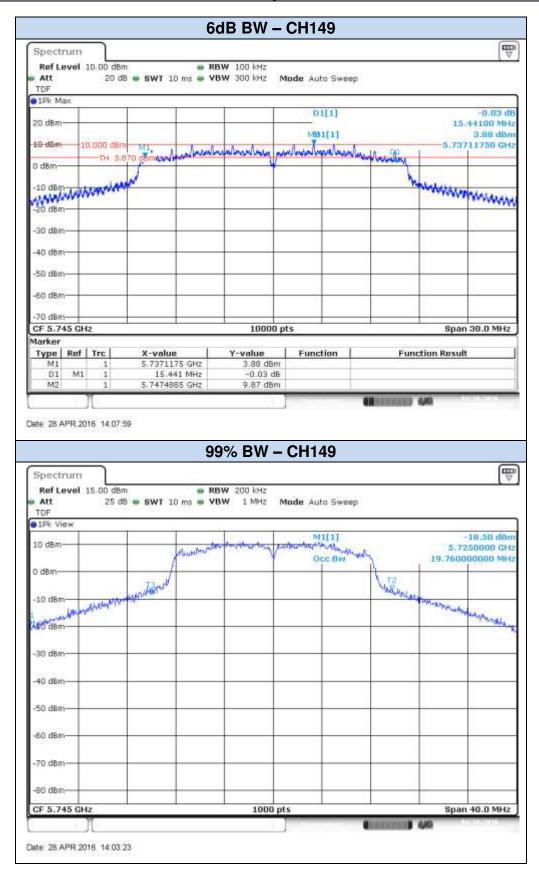




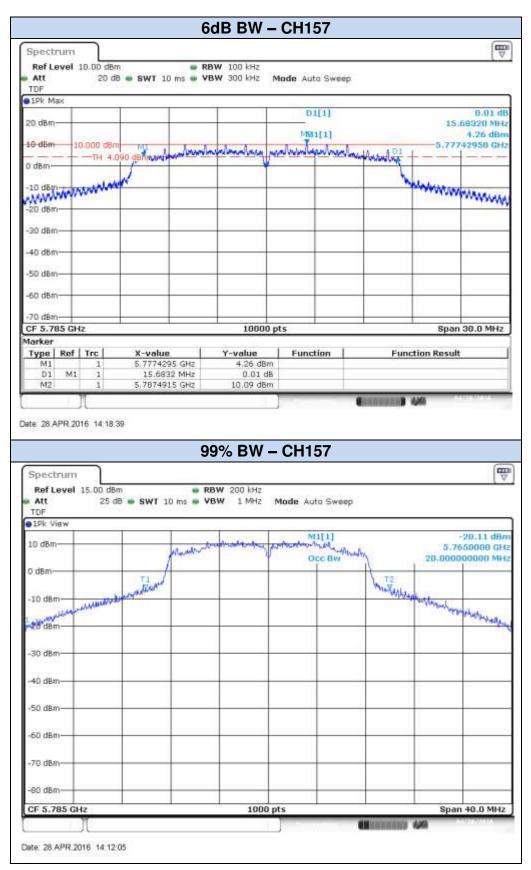
| Spectrum | | 6dB BW - | - CH165 | | | |
|--|----------------------------------|--|--|--------------------|--|----------------------------------|
| | | | | | | 1 |
| Att 20 c | | RBW 100 kHz VBW 300 kHz | Mode Auto Sweep | | | |
| TDF | an a chann chuir | All Antonio al 1 | and the second | | | |
| 19k Max | 1 1 | 1 1 | D1[1] | | | 0.09 d |
| 20 dBm- | - | | outit | | 15. | 62930 MH |
| | | | M2 M1[1] | | - | 3.81 dBr |
| 10.000 d8 | and the second | hundrondness | mountapational | JA. 121 | 5.817 | 23790 GH |
| 0 dBm | -950 Germania | Y | | and an and a state | | |
| 10 dBm | New | | | . N. | Challen | |
| 10 dBm | | | | | and the second sec | MANAM |
| 20 dBm | + + | | | e (| 3 | 1000 |
| 30 dBm | - | | | - | | |
| | | | | | | |
| 40 dBm | | | | | | |
| 50 dBm | + + | | | - | | |
| eo dem | | | 1 | 2 | | 4 |
| 60 dBm | | | | | | |
| 70 dBm | | | 1 | | | |
| CF 5.825 GHz | -14 - | 10000 | pts | 0,9 I.s | Span | 30.0 MHz |
| larker Type Ref Trc | X-value | Y-value | Function | Euro | tion Result | |
| M1 1 | 5.8172379 (| | | Fun | Alon Resolu | |
| D1 M1 1 | 15.6293 N | | | | | |
| M2 1 | 5.8262585 (| GHz 9.95 dBn | r | | | _ |
| te 27.APR 2016 17:51 | :49 | 99% BW - | - CH165 | | | |
| J. | .49 | 99% BW - | - CH165 | | | G |
| Spectrum | **** | | - CH165 | _ | | (q |
| Spectrum | Sm. | 🖷 RBW 200 kHz | | | | (q |
| Spectrum Ref Level 15.00 dB Att 25 d | **** | 🖷 RBW 200 kHz | - CH165 Mode Auto Sweep | | | (Q |
| Spectrum Ref Level 15.00 dB Att 25 d TDF | Sm. | 🖷 RBW 200 kHz | Mode Auto Sweep | | | |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1DF View | 5m d8 ⊕ SWT 10 m | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | | | 20.03 dB |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 11Pk View | 5m d8 - SWT 10 m of | 🖷 RBW 200 kHz | Mode Auto Sweep | | 5.80 | 20.03 dB 50000 GF |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 11Pk View | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dB 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1Pk View | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dB 50000 Gł 00000 Mi |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1Pk View | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dB 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1Pk View | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dB 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 11Pk View | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dB 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 of TDF 10 fBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 | 20.03 dB 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 of TDF 10 fBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dB 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 o TDF 1Pk View 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dBr 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 o TDF 1Pk View 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dBr 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 of TDF 10 fBm 10 dBm 10 dBm 10 dBm 10 dBm 40 dBm 40 dBm | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dBr 50000 GH |
| Spectrum Ref Level 15.00 dB | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dB 50000 GF 00000 MH |
| Spectrum Ref Level 15.00 dB Att 25 of TDF 10 dBm 10 dBm 10 dBm 10 dBm 30 dBm 40 dBm 50 dBm | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dBr 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 o TDF IPk View I0 dBm I | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dB 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 o TDF IPk View 10 dBm 10 dBm 10 dBm 10 dBm 40 dBm 50 dBm 50 dBm | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dBr 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 c TDF 110 dBm 10 dBm 10 dBm 10 dBm 10 dBm 30 dBm 10 dBm 40 dBm 10 dBm 50 dBm 10 dBm 40 dBm 10 dBm 50 dBm 10 dBm 50 dBm 10 dBm | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dBr 50000 GH |
| Spectrum Ref Level 15.00 dB Att 25 o TDF IPk View I0 dBm 10 dBm 30 dBm 40 dBm 50 dBm 60 dBm | 5m d8 - SWT 10 m of | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 1 | 5.80 20.0000 | 20.03 dB 50000 GH |



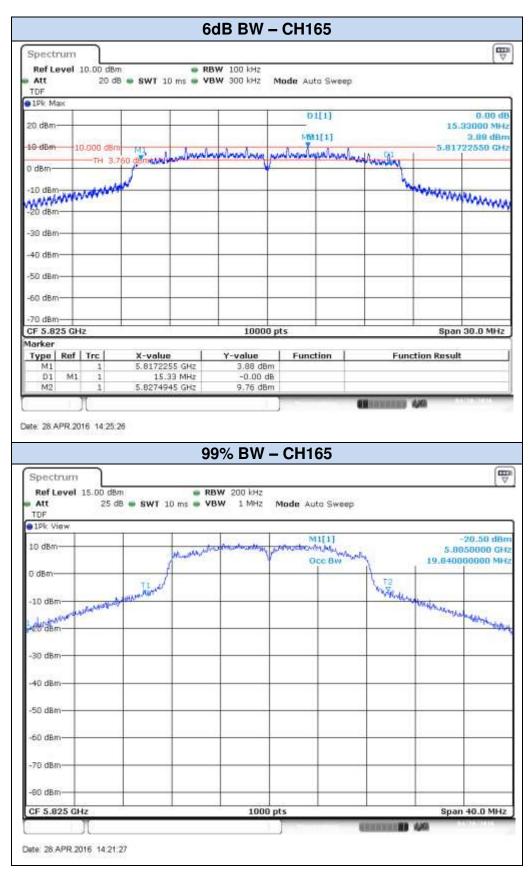
802.11a, 6Mbps - Chain B





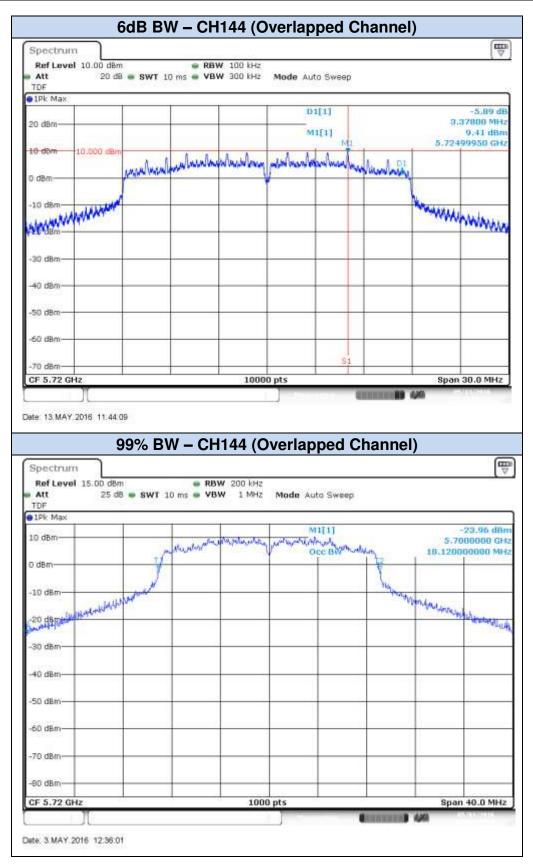




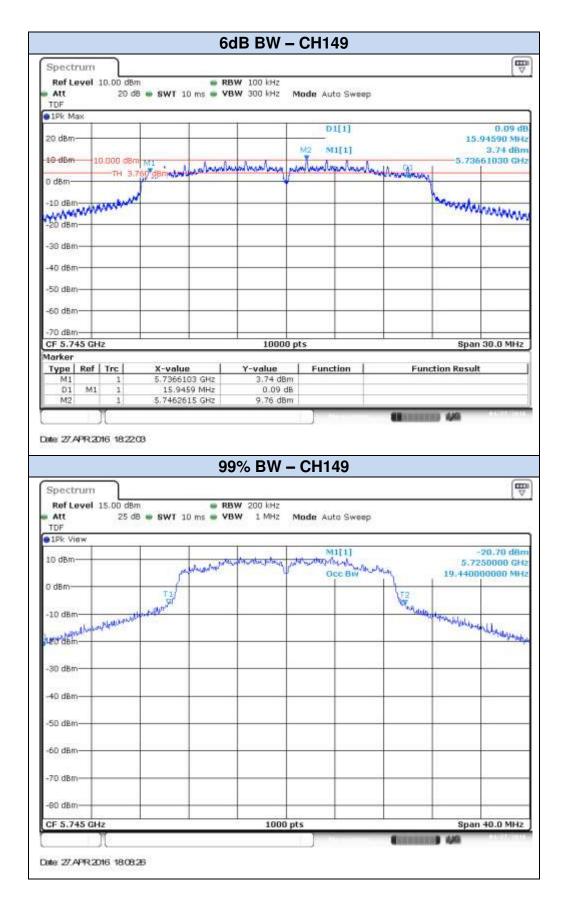




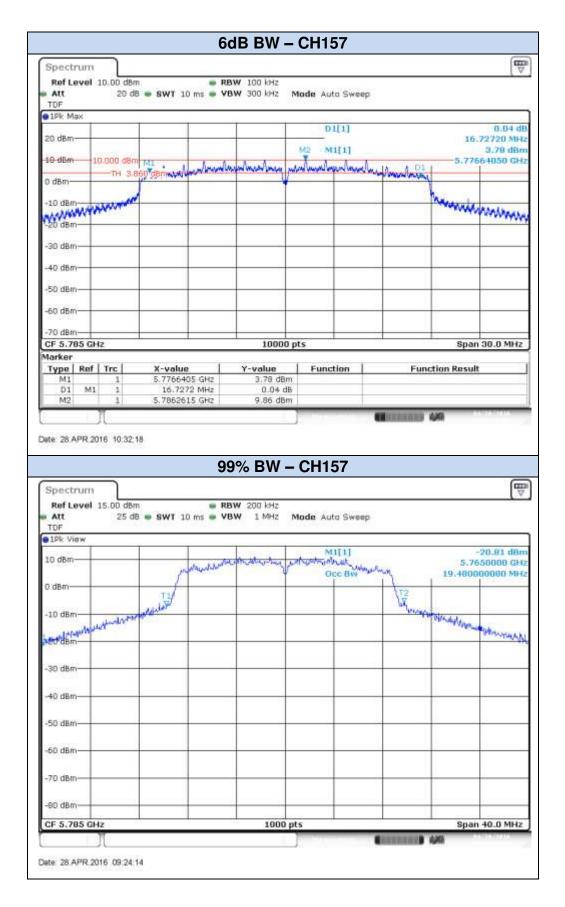
802.11n20, HT0 (SISO) - Chain A



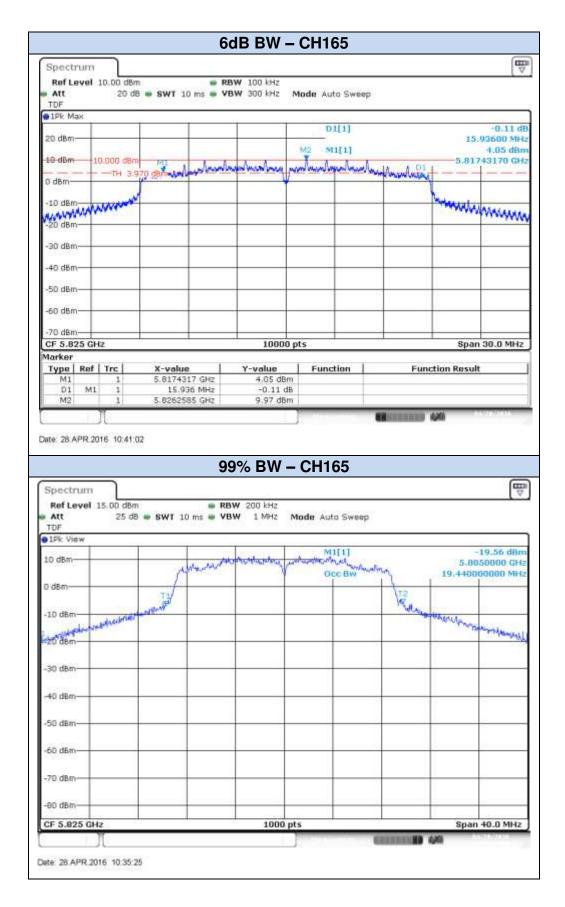














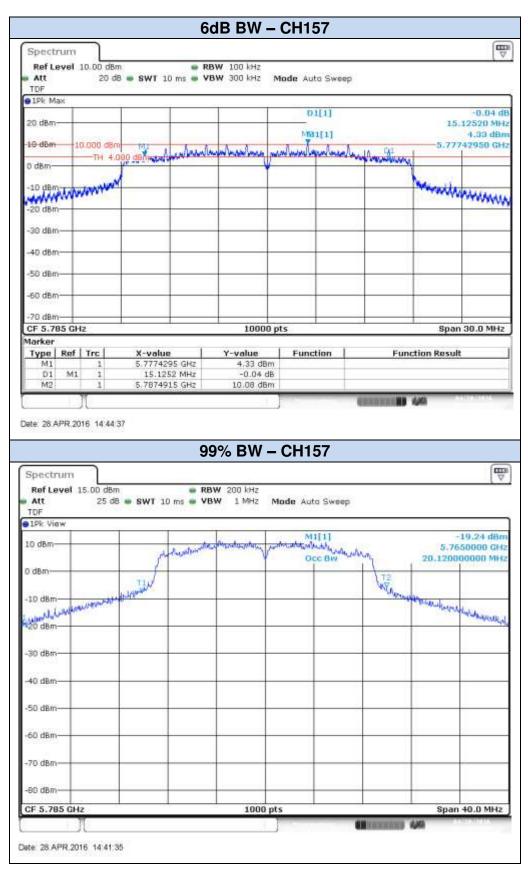
802.11n20, HT0 (SISO) - Chain B





| Spectrum | _ | | | | – CH149 | | | - |
|--|-------------------|---------------------|--------------------|------------------------|--------------------------|----------------|-----------------|--------------------------------------|
| 17 12 IQ | | | | | | | | 8 |
| Ref Level 10 Att | | SWT 10 | | W 100 kHz W 300 kHz | Mode Auto Sw | eep | | |
| TDF 1Pk Max | | | | | | | | |
| | 1 | 1 | | 1 | D1[1] | | | 0.04 0 |
| 20 dBm- | | | | - | | | 16 | .25400 MI |
| 10 dBm 10. | 000 d8m- | | | | MB1[1] | | 5 79 | 3.85 dB 712050 GF |
| 10 0200 10 | -TH 3.830 | CBITHANN'S | malante | walnuling | manufante | when the alar | | 12000 01 |
| D dBm | 1 | 40 | - | - | | | | - |
| -10 dBm | M | | | | | | human | |
| -10 dBm | | | | | | | | man |
| -20 dBm- | | | | | | | | |
| -30 dBm | | | | | | 10 | - | |
| 0.000 | | | | | | | | |
| -40 dBm | | | | 1 | | | | - |
| -50 dBm | | | | | | | | |
| | | | | | | | | |
| -60 dBm | | | | | | | | 1 |
| -70 dBm | | | | - | | | - | |
| CF 5.745 GHz | | | | 1000 | 0 pts | da. | Spa | n 30.0 MH |
| larker | a sectory to | | | | | - pr | | 0. |
| Type Ref M1 | Trc 1 | X-value 5.737120 | | Y-value 3.86 dB | Function | Fu | nction Resul | lt |
| D1 M1 | 1 | | 4 MHz | 0.04 c | 1205 | | | |
| M2 | 1 | 5,747494 | 15 GHz | 9.83 dB | im . | | | |
| ate: 28.APR.201 | 6 14:38:21 | | 99 | 9% BW | – CH149 | | 4,403 | |
| ate 28 APR 2011 Spectrum | 6 14:38:21 | | 99 | 9% BW | – CH149 | | 449 | (Texas) |
| | ٦ | | | 9% BW | – CH149 | (constat) | 4,451 | |
| Spectrum Ref Level 15 Att | 5.00 dBm | • SWT 10 | | W 200 kHz | - CH149 Mode Auto Swa | | 440 | |
| Spectrum Ref Level 15 Att TDF | 5.00 dBm | • SWT 10 | e RB | W 200 kHz | | | - AATA | |
| Spectrum RefLevel 15 Att TDF | 5.00 dBm | 1 | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep | | |
| Spectrum Ref Level 15 Att TDF 1Pk View | 5.00 dBm | 1 | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep | 5.71 | -18.60 dBi 250000 GH |
| Spectrum Ref Level 15 Att TDF 19k View 10 dBm | 5.00 dBm 25 dB | j.ht | e RB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dB 250000 GH |
| Spectrum Ref Level 15 Att TDF 1Pk View 10 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dBr 250000 GH |
| Spectrum Ref Level 15 Att TDF 19k View 10 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dB 250000 GH |
| Spectrum Ref Level 15 Att TDF 19k View 10 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dB 250000 GH |
| Spectrum Ref Level 15 Att TDF 19k View 10 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dB 250000 GH |
| Spectrum Ref Level 15 Att TDF 19k View 10 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.71 | -18.60 dB 250000 GH |
| Spectrum Ref Level 15 Att TDF 1Pk View 10 dBm 10 dBm 10 dBm 20 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dB 250000 GH |
| Spectrum Ref Level 15 Att TDF 1Pk View 10 dBm 10 dBm 10 dBm 20 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dB 250000 GH |
| Spectrum Ref Level 15 Att TDF 1Pk View 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dB 250000 GH |
| Spectrum Ref Level 15 Att TDF 1Pk View 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dB 250000 GH |
| Spectrum Ref Level 15 Att TDF 11Pk View 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dBr 250000 GH |
| Spectrum Ref Level 15 Att TDF 1Pk View 10 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dBr 250000 GH |
| Spectrum Ref Level 15 Att TDF 1Pk View 10 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dBr 250000 GH |
| Spectrum Ref Level 15 Att TDF IPIk View 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm 60 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dBr 250000 GH |
| Spectrum Ref Level 15 | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dBr 250000 GH |
| Spectrum Ref Level 15 Att TDF IPIk View 10 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 70 dBm 70 dBm | 5.00 dBm 25 dB | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7; 20.4400 | -18.60 dBr 250000 GH 100000 MH |
| Spectrum Ref Level 15 Att TDF IPIk View 10 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 60 dBm | 25 dB = | j.ht | ms RB VB | W 200 kHz W 1 MHz | Mode Auto Swe | sep Agutung | 5.7: 20.4400 | -18.60 dBr 250000 GH |



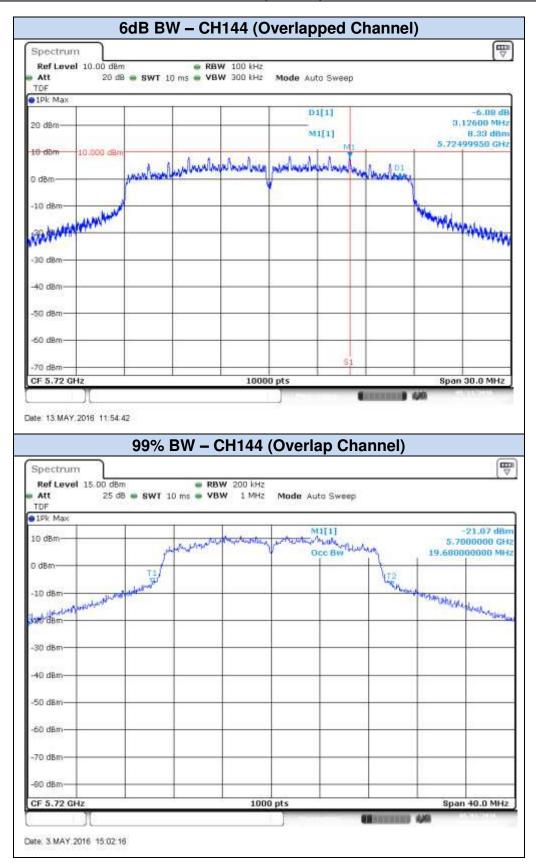




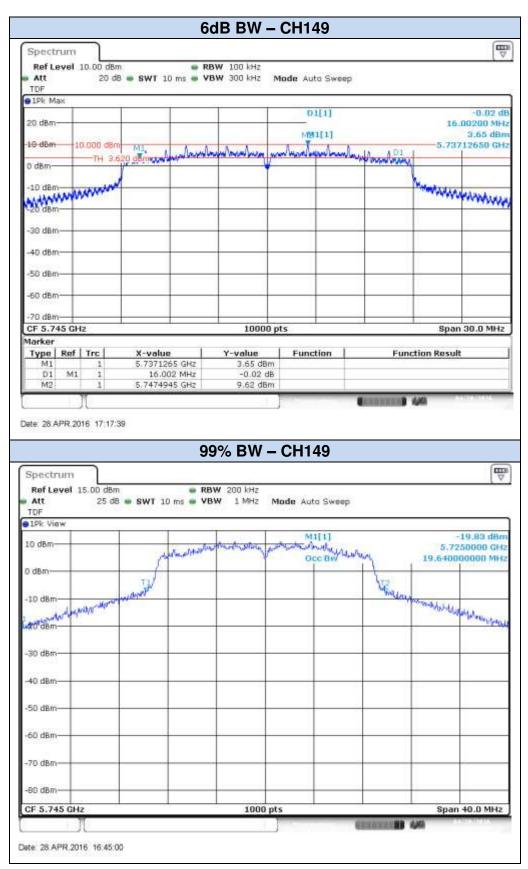
| | | | 6dB BW - | - CH165 | | | |
|--|--|--------------------------|--------------------------|-----------------|---|-----------------|--|
| Spectrum | | | | | | | |
| Ref Level | 10.00 dBn | n 🖷 | RBW 100 kHz | | | | |
| Att | 20 d8 | 8 🖶 SWT 10 ms 🖷 | VBW 300 kHz | Mode Auto Sweep | | | |
| TDF 1Pk Max | | | | | | | |
| 10000 | | | | D1[1] | | | -0,15 di |
| 20 dBm- | | | - | | | 16. | 23900 MH |
| 10 dBm 1 | n8b 000.0 | | | MM1[1] | | 5.816 | 3.96 dBn 87150 GH |
| 22.27.01- | -TH 3.7 | 10 demonstructure | alman windows a | unlawlycalical | Mellou ADI | - | |
| 0 dBm | | 1 | Y | | | | |
| -10 dBm | - | 1 | _ | | | Martin M | |
| -10 dBm | Vian. | | | | | A MANA | ninine. |
| -20 dBm | | | | | | | - |
| -30 dBm- | | | _ | | 12 | - | |
| 0000000 | | | | | | | |
| -40 dBm | | | | | | | - |
| -50 dBm | | | | | | | |
| | | | | | | | |
| -60 dBm | | | | | | | |
| -70 dBm | | | | | - | | - |
| CF 5.825 G | łz. | 14 M | 10000 | pts | - (J | Span | 30.0 MHz |
| Marker | per se | | y | | -1-200 | | |
| Type Ref M1 | | X-value 5.8168715 GHz | Y-value 3.96 dBn | Function | Fun | tion Result | |
| D1 M1 | 1 | 16.239 MHz | -0.15 di | (h) | | | |
| M2 | 1 | 5.8274945 GHz | 9.71 dBn | | | | |
| ate: 28 APR 2 | JL 016 14:51:0 | 00 | 99% BW - | - CH165 | Canaa an | 4,458 | |
| |][016 14:51;(| 00 | 99% BW - | - CH165 | Contract D | 4,45 | en e |
| ate: 28 APR 2 Spectrum Ref Lavel | | 27 | | - CH165 | | 4,45 | (U |
| Spectrum Ref Level | 15.00 dBn | 27 | RBW 200 kHz | - CH165 | | 4,451 | C. |
| Spectrum Ref Level Att TDF | 15.00 dBn | n | RBW 200 kHz | | | 400 | (E |
| Spectrum Ref Level Att TDF | 15.00 dBn | n 5 • SWT 10 ms • | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | | 400 | |
| Spectrum Ref Level Att TDF | 15.00 dBn | n 5 • SWT 10 ms • | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 2 | | 19.14 dBr |
| Spectrum Ref Level Att TDF 1Pk View | 15.00 dBn | n 5 • SWT 10 ms • | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | 2 | 5.00 | 19,14 dBr 50000 GH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBn 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBr 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBr 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBr 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBr 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 1D dBm 0 dBm -10 dBm -20 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.00 | 19,14 dBr 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBr 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm -10 dBm -20 dBm -30 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBr 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 1D dBm 0 dBm -10 dBm -20 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBr 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm -10 dBm -20 dBm -30 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBr 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 1D dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBn 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBn 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBn 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 1D dBm -10 dBm -10 dBm -20 dBm -30 dBm -50 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBn 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBn 50000 GH 00000 MH |
| Spectrum Ref Level Att TDF 1Pk View 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm | 15.00 dBn 25 dł | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5.80 20.2800 | 19,14 dBn 50000 GH: 00000 MH: |
| Spectrum Ref Level Att TDF 1Pk View 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm | 15.00 dBm 25 db | 5 • SWT 10 ms | RBW 200 kHz VBW 1 MHz | Mode Auto Sweep | where | 5-80 20.2800 | 19.14 dBn 50000 GH 00000 MH |



802.11n20, HT8 (MIMO) - Chain A



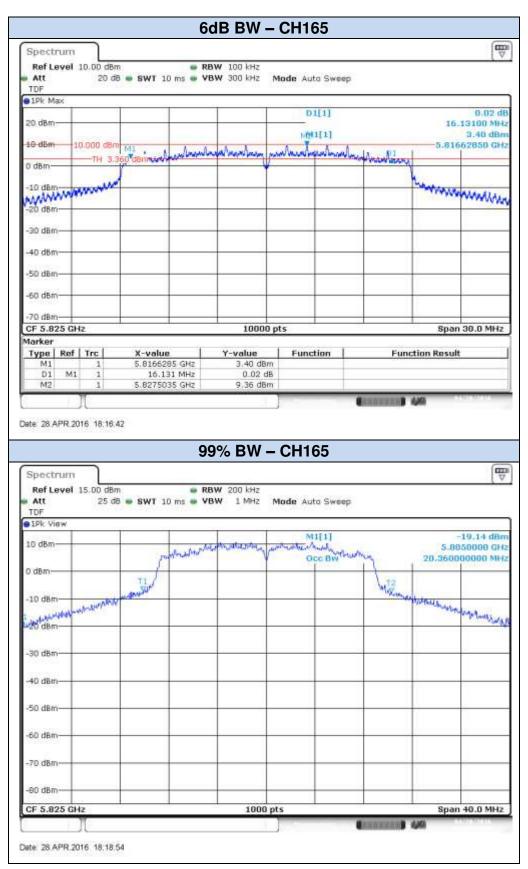






| | | 6dB BW – | CH157 | | | |
|---|---|----------------------------|-----------------|-----------|-------------------|--|
| Spectrum | | | | | | |
| Ref Level 10.00 dB | | RBW 100 kHz | | | | |
| Att 20 d | 18 \cdots SWT 10 ms \cdots ' | BW 300 kHz N | lode Auto Sweep | | | |
| 1Pk Max | | | | | | |
| 0.000 | | | D1[1] | | | -0.08 di |
| 20 dBm- | | | January | | | 5220 MH |
| 10 dBm 10.000 dBr | | | MB1[1] | | | 4.16 dBn 2350 GH |
| TH 3 | 970 demonternation | love mannes w | muntipationaly | M. Pl I | 0.1111 | 2000 GH |
| D dBm | A Telinera | ¥ | | | - | |
| 10 10 10 10 10 | | | | | - | |
| -10 dBm | | | | | - WWW | Mary |
| -20 dBm | + + | | | - | - | |
| 22.40.4 | | | | | | |
| -30 dBm | | | | | | |
| -40 dBm | | | | - | | |
| 2164225-1 | | | | | | |
| -50 dBm | | | | | | |
| -60 dBm | | _ | | | - | |
| 0.0000000 | | | | | | |
| -70 dBm | | | | | i general | |
| CF 5.785 GHz | | 10000 p | ts | | Span 3 | 0.0 MHz |
| Marker Type Ref Trc | X-value | Y-value | Function | Eune | tion Result | |
| M1 1 | 5.7771235 GHz | 4.16 dBm | (differential) | | 11011110.0.011 | |
| D1 M1 1 | 15.7522 MHz | -0.08 dB | | | | |
| M2 1 | 5,7874975 GHz | 9.97 dBm | | | | |
| ste: 28 APR 2016 17:30 | 188 | 99% BW - | CH157 | | | |
| | 188 | 99% BW - | CH157 | | | (mg |
| ste 28 APR 2016 17:30 | (| | CH157 | | | |
| Spectrum Ref Level 15.00 dB | (| RBW 200 kHz | CH157 | | | (The second seco |
| Spectrum Ref Level 15.00 dB Att 25 d TDF | TB I | RBW 200 kHz | | | | (- |
| Spectrum Ref Level 15.00 dB Att 25 d TDF | TB I | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | | |
| Spectrum RefLevel 15.00 dB Att 25 d TDF 91Pk View | m • • • • • • • • • • • • • • • • • • • | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | | 0.54 dBr |
| Spectrum Ref Level 15.00 dB Att 25 d | TB I | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | | 0.54 dBr 0000 GH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1Pk View 10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 | 0.54 dBr 0000 GH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1Pk View 10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1Pk View 10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1Pk View 10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | lung lute | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1Pk View 10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dBi Att 25 d TDF IPk View 10 dBm 0 dBm 10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 1Pk View 10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dBi Att 25 d TDF IPk View 10 dBm 10 dBm 20 dBm -30 dBm -30 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF 25 d IPk View 10 dBm 10 dBm 10 dBm 20 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dB Att 25 d TDF IPk View 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dBs TDF IPk View 10 dBm 0 dBm -10 dBm -30 dBm -40 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dBs Att 25 d TDF 19k View 10 dBm 0 -10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dBs TDF IPk View 10 dBm 0 dBm -10 dBm -30 dBm -40 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dBs TDF 19k View 10 dBm 0 -10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dBs TDF IPk View 10 dBm 0 dBm -10 dBm -30 dBm -50 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dBs TDF 19k View 10 dBm 0 10 dBm 0 -10 dBm 0 -30 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | SALL () |
| Spectrum Ref Level 15.00 dBs TDF 25 d 1Pk View 10 dBm 10 dBm 0 dBm -10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBn 0000 GH 0000 MH |
| Spectrum Ref Level 15.00 dBi Att 25 d TDF 19k View 10 dBm 0 10 dBm 0 -10 dBm | m 8 • SWT 10 ms • 1 | RBW 200 kHz VBW 1 MHz N | tode Auto Sweep | | 5.765 19.96000 | 0.54 dBr 0000 GH 0000 MH |







802.11n20, HT8 (MIMO) - Chain B





| | | | 6dB BW – | - СП149 | | | |
|--|--|--------------------------------|---|----------------------------|-------------|-----------------|-----------------------------------|
| Spectru | m | | | | | | |
| | el 10.00 d | | RBW 100 kHz | | | | |
| TDF | 20 | d8 🖶 SWT 10 ms 🖷 | VBW 300 kHz 1 | Mode Auto Sweep | | | |
| 1Pk Max | | | | 100000 | | | |
| | | | | D1[1] | | | -0.08 d |
| 20 dBm | | | | M81[1] | | 17. | 49900 MH 4.05 dBr |
| 10 dBm | 10.000 de | Inpit i have | Andrehadarta | | | 5.736 | 25950 GH |
| 0 dBm- | TH 4 | MAN MAN AND BRINGS | A MARKAN MUNICIPALITY AND | on were said and a set | White have | | |
| | Citata | | | | | h | |
| -10 dBm- | WWWWWWW | | | | - | hower | MAULES |
| -20 dBm- | | | | | _ | | |
| no de l | | | | | | | |
| -30 dBm | | | | | | | |
| -40 dBm— | + | | | | - | - | |
| -50 dBm— | | | | | | | |
| 50 GBIII- | | | | | | | |
| -60 dBm— | 1 | + + | | | | | |
| -70 dBm- | | - | _ | | - | | - |
| CF 5.745 | GHz | de de | 10000 (| pts | (), I | Span | 30.0 MHz |
| larker | | | | r | | | |
| Type R M1 | tef Trc | X-value 5.7362595 GHz | Y-value 4.05 dBm | Function | Fun | ction Result | |
| D1 | M1 1 | 17.499 MHz | -0.09 dB | | | | |
| | | | | | | | |
| M2 ate: 28 APF | 1) R.2016 16:0 | 9535 // | 10.01 dām 99% BW - | - CH149 | Constant of | 449 | 4994704106 |
| ate: 28 API | R.2016 16:0 | 3.26 | | - CH149 | (Constant) | 4,453 | E SANNA |
| ete: 28 API Spectru | R 2016 16:0 | 0.26 | 99% BW - | - CH149 | | djata | (E |
| ate: 28 API Spectru | R 2016 16:0 | 0.26 | 99% BW - | - CH149 Mode Auto Sweep | | 440 | E C |
| spectru Ref Lev Att | R.2016 16:0 | 0.26 Bm • 1 | 99% BW - | | | 4,00 | (Q |
| spectru Ref Lev Att | R.2016 16:0 | 0.26 Bm • 1 | 99% BW - | Mode Auto Sweep | | | |
| spectru Ref Lev Att TDF JPk View | R.2016 16:0 | 0.25 Bm d8 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | | 17.47 dBr |
| Spectru Ref Lev Att TDF 1Pk View 10 dBm- | R.2016 16:00 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| Spectru Ref Lev Att TDF 1Pk View 10 dBm- | R.2016 16:00 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| Spectru Ref Lev Att TDF 1Pk View 10 dBm- | R.2016 16:00 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| Spectru Ref Lev Att TDF 1Pk View 10 dBm- | R.2016 16:00 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| Spectru Ref Lev Att TDF 1Pk View 10 dBm- | R.2016 16:00 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| Spectru Ref Lev Att TDF 1Pk View 10 dBm- | R.2016 16:0 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| Spectru Ref Lev Att TDF 1Pk View 10 dBm- | R.2016 16:00 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| Spectru Ref Lev Att TDF IPk View 10 dBm- -10 dBm- -20 dBm- -30 dBm- | R.2016 16:00 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| spectru Ref Lev Att TDF 1Pk View 10 dBm- -10 dBm- -20 dBm- -30 dBm- | R.2016 16:00 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| spectru Ref Lev Att TDF 1Pk View 10 dBm- -10 dBm- -20 dBm- -30 dBm- | R.2016 16:00 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| Spectru Ref Lev Att TDF 1Pk View 10 dBm- -10 dBm- -20 dBm- | R.2016 16:00 m el 15:00 dl 25 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| spectru Ref Lev Att TDF IPk View 10 dBm- -10 dBm- -20 dBm- -30 dBm- -50 dBm- | R.2016 16:00 m el 15:00 dl 25 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dB 50000 GF 00000 MF |
| Spectru Ref Lev Att TDF IPk View 10 dBm- -10 dBm- -20 dBm- -30 dBm- | R.2016 16:00 m el 15:00 dl 25 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dBr 50000 GH |
| ete: 28 APF Spectru Ref Lev Att TDF IPk View 10 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- | R.2016 16:00 m el 15:00 dl 25 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dBr 50000 GH |
| ete: 28 APF Spectru Ref Lev Att TDF IPk View 10 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm- | R.2016 16:00 m el 15:00 dl 25 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dBr 50000 GH 00000 MH |
| ate: 28 APF Spectru Ref Lev Att TDF IPk View 10 dBm | R.2016 16:00 m el 15:00 dl 25 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Mode Auto Sweep | | 5.72 | 17.47 dBr 50000 GH |
| ate: 28 APF Spectru Ref Lev Att TDF IPk View 10 dBm | R.2016 16:0 | 0.26 Bm dB • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz (| Made Auto Sweep | | 5.72 21.8000 | 17.47 dBr 50000 GH |



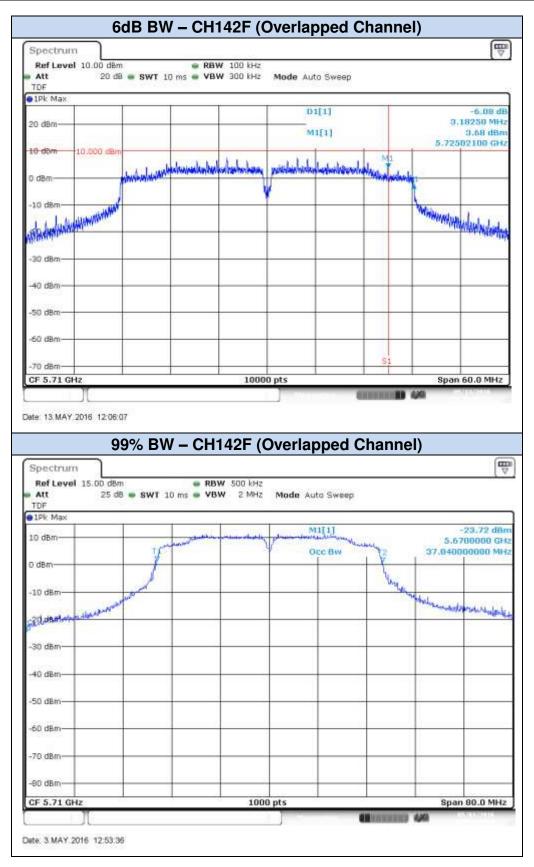
| | | | 6dB BW – | CHISI | | | |
|--|--------------------|-----------------------|--|-----------------|--|--|------------------------------------|
| Spectrum | | | | | | | |
| Ref Level | | | RBW 100 kHz | | | | |
| TDF | 20 dE | 3 🖶 SWT 10 ms 🖷 | VBW 300 kHz M | tode Auto Sweep | | | |
| 1Pk Max | | | 15. 57 | | | | |
| 20 dBm- | | | | D1[1] | | 13 | 0,18 d |
| 20 dbm | | | | M1[1] M2 | | 17. | 4.39 dBr |
| 10 dBm | 000.00 dBm | To demonstration | International and | | A 10 . A 10 | 5.776 | 22650 GH |
| 0 dBm | -TH 4.3 | SO dBmid W Water Fa | - V | | AAR AND AN ANA | 1 | |
| | NANNAN | 1 | | | | Mannan | |
| AS AREAN | W | | | | | TO PROVING | WWWWWW |
| -20 dBm | | | | | | - | |
| -30 dBm | | | | | | | |
| -50 dbiii | | | | | | | |
| -40 dBm | | | | | - | - | |
| -50 dBm | | | _ | | _ | | |
| | | | | | | 1 | |
| -60 dBm | | | | Í | | | |
| -70 dBm | | | | 1 | | | |
| CF 5.785 G | 1Z | 0 | 10000 p | its | 25 | Span | 30.0 MHz |
| Aarker Type Ref | Tre | X-value | Y-value | Function | Fur | ction Result | |
| M1 | 1 | 5.7762265 GHz | 4.39 dBm | 1.011301077 | | | |
| D1 M1 M2 | | 17.5162 MHz | 0.18 dB 10.39 dBm | | | | |
| | 1 | 5.7899995 GHz | T012A 0800 | | | | |
| | N | 57 | 99% BW - | CH157 | | digită | 4235. JULIA |
| ate: 28 APR 2 | J 016 17:42:5 | 57 | | CH157 | Contraction of the local division of the loc | 40 | G |
| ate: 28 APR 2 Spectrum | J 016 17:42.6 | 37 | 99% BW - | CH157 | (Internation | 440 | E. |
| ate: 28 APR 2 | 15.00 dBm | 37 | 99% BW - | CH157 | Conversion | 4,468 | Ę |
| ate: 28 APR 2 Spectrum Ref Level Att TDF | 15.00 dBm | 17 | 99% BW - | | (| 100 | Ę |
| ate: 28 APR 2 Spectrum Ref Level Att TDF | 15.00 dBm | 17 | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | | | |
| Spectrum Ref Level Att TDF JPk View | 15.00 dBm | 57 3 • SWT 10 ms | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | | | -16,53 dBr |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBm | 17 | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ate: 28 APR 2 Spectrum Ref Level Att TDF 10 dBm 10 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | iode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ate: 28 APR 2 Spectrum Ref Level Att TDF 10 dBm 10 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dB 55000 GH |
| ate: 28 APR 2 Spectrum Ref Level Att TDF 10 dBm 10 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm -10 dBm -10 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm -10 dBm -10 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dB 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF IPk View 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF IPk View 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF IPk View 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF IPk View 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm | 15.00 dBm 25 dE | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | 1ode Auto Sweep | ٨٨٩ | 5.76 22.9200 | -16,53 dBr 55000 GH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF IPk View 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm | 15.00 dBm 25 dB | 57 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz M | Made Auto Sweep | ٨٨٩ | 5.76 22.9200 2 With the state | 16.53 dBr 550000 GH 00000 MH |



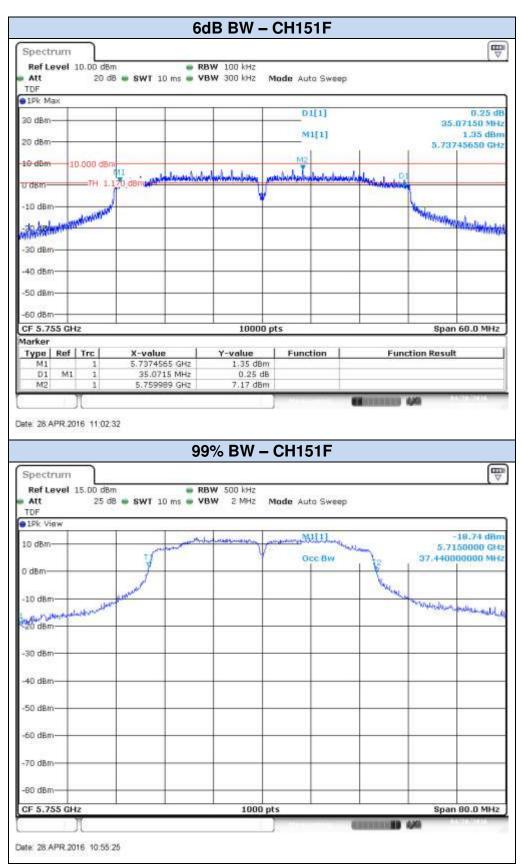
| | | | 6dB BW - | | | | |
|---|---|---------------------------|--------------------------------------|----------------------------|---|------------------|-----------------------------------|
| Spectrum | | | | | | | |
| Ref Level | | | RBW 100 kHz | | | | |
| TDF | 20.06 | 8 🖶 SWT 10 ms 🖷 | YBW 300 KHZ | Mode Auto Sweep | | | |
| 19k Max | | | | | | | Sec. 22 |
| 20 dBm- | | | | D1[1] | | 16.0 | 0,13 d |
| EC ODIT | | M2 | | M1[1] | | | 4.18 dBn |
| 10 dBm | 10.000 d8m | SD danimenter | alumbar . | unhaniania | 445 . A D1 | 5.816 | 22950 GH |
| D dBm | -TH 4.1 | So demove and | 4 | | AND | 1 | - |
| | ANANNIN | | | | | MANULAN | |
| W. Salar | | | | | | hanning | and which the |
| -20 dBm | | | - | | - | | 3 |
| -30 dBm | | | | | | | - |
| 0000000 | | | | | | | |
| -40 dBm | | | | | | | |
| -50 dBm | | | | | - | | |
| -60 dBm | | | | | 2 | | - |
| -oo ubm | | | | | | | |
| -70 dBm | | | | | | | |
| CF 5.825 G Aarker | HZ | | 10000 | pts | | Span | 30.0 MHz |
| Type Ref | Trc | X-value | Y-value | Function | Fun | ction Result | |
| M1 | 1 | 5.8162295 GHz | 4.18 dBn | | | | |
| D1 M3 M2 | | 16.92 MHz | 0.13 df | | | | |
| | 1) 016 17:50:2 | 5.8199915 GHz | 10.15 dBn | | Constant) | 4,45 | -22.0414 |
| ate: 28 APR 2 | N 016 17:50:2 | | .1 | | | dijîlî | (Q |
| M2 ate: 28 APR 2 Spectrum Ref Level | JL 016 17:50:2 | 14 | .1 | | | 4,653 | |
| ste: 28.APR 2 Spectrum Ref Level | 15.00 dBm | 14 | 99% BW - | | (CARTER OF | 449 | |
| ate: 28 APR 2 Spectrum Ref Level Att TDF | 15.00 dBm | 14 | 99% BW - | – CH165 | | 40 | |
| Spectrum Ref Level Att TDF IPk View | 15.00 dBm | 24 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | | | 16.74 dBr |
| ate: 28 APR 2 Spectrum Ref Level Att TDF | 15.00 dBm | 24 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | | 5.80 | 16.74 dBr 50000 GH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm |) 016 17.50.2 15.00 dBm 25 dB | 3 • SWT 10 ms • | 99% BW - | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm |) 016 17.50.2 15.00 dBm 25 dB | 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm |) 016 17.50.2 15.00 dBm 25 dB | 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm 0 dBm -10 dBm |) 016 17.50.2 15.00 dBm 25 dB | 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| Spectrum Ref Level Att TDF IPk View 10 dBm -10 dBm -10 dBm |) 016 17.50.2 15.00 dBm 25 dB | 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm 10 dBm 10 dBm 20 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm 0 dBm -10 dBm -10 dBm -20 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| Spectrum Ref Level Att TDF 1Pk View 10 dBm 0 dBm -10 dBm -10 dBm -20 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm 0 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm 0 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF 1Pk View 10 dBm 0 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF IPk View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -60 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF IPk View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF IPk View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm |) 016 17.50.2 15.00 dBm 25 dB | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 Mode Auto Sweep | M | 5.80 | 16.74 dBr 50000 GH 30000 MH |
| ste: 28 APR 2 Spectrum Ref Level Att TDF IPk View 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm |)(016 17:50:2 15:00 dBm 25 dE | 34 3 • SWT 10 ms • | 99% BW - RBW 200 kHz VBW 1 MHz | - CH165 | M | 5.80 23.84000 | 16.74 dBr 50000 GH 30000 MH |



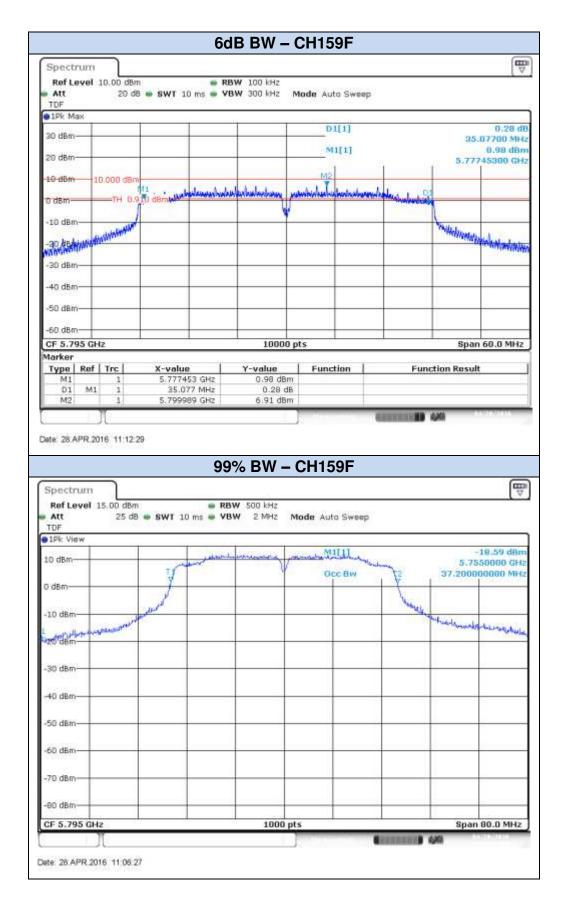
802.11n40, HT0 (SISO) - Chain A





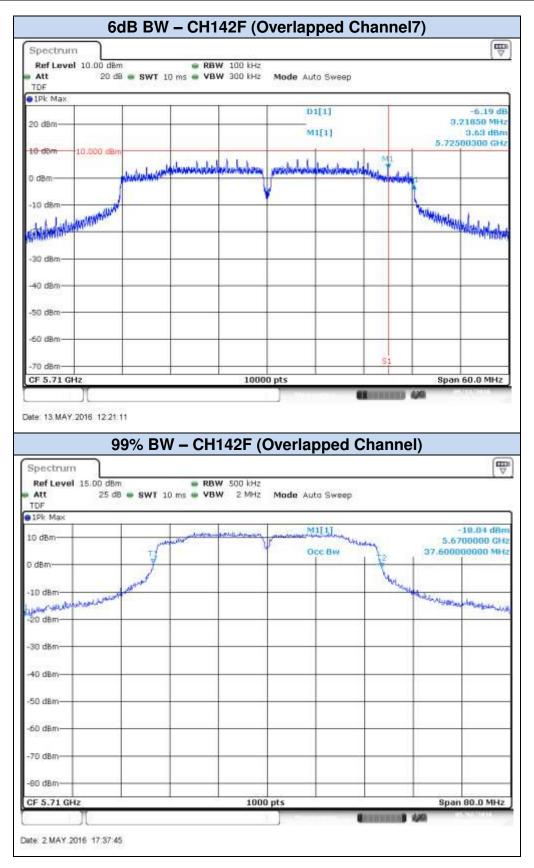




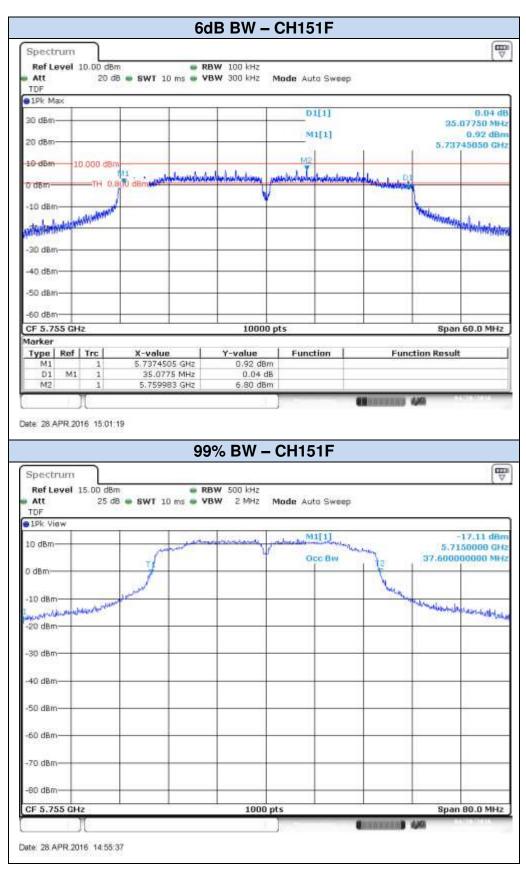




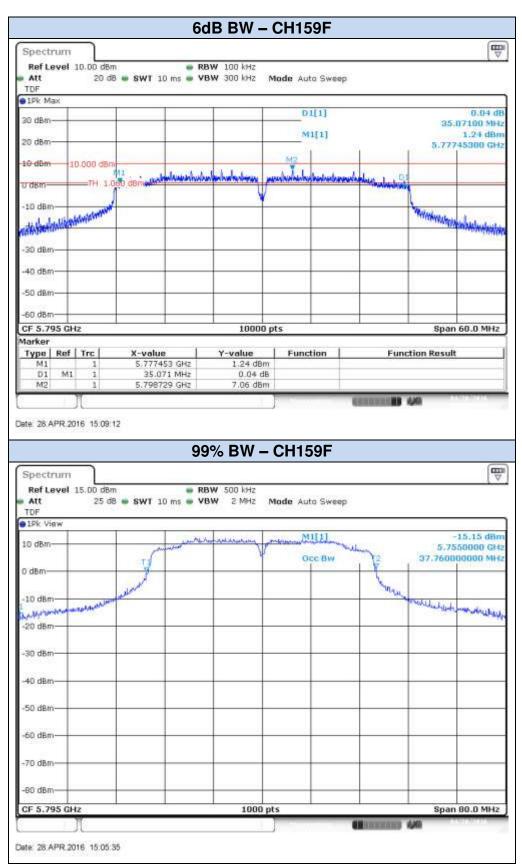
802.11n40, HT0 (SISO) - Chain B





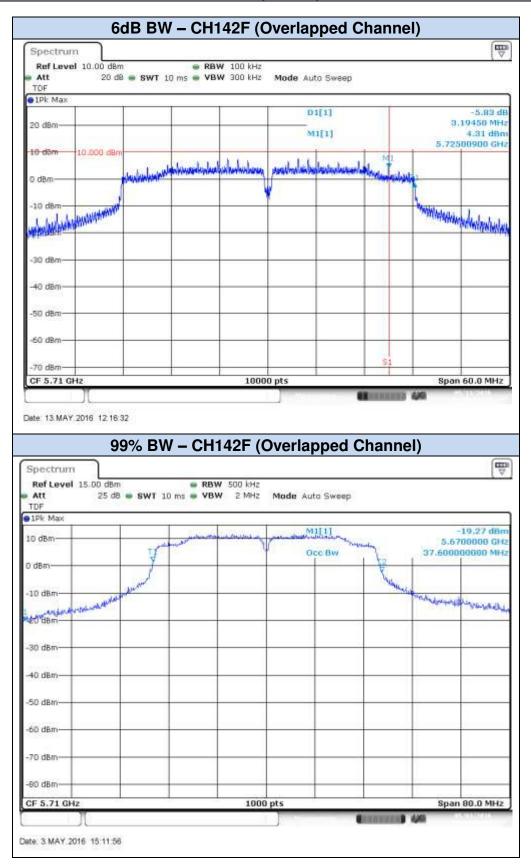




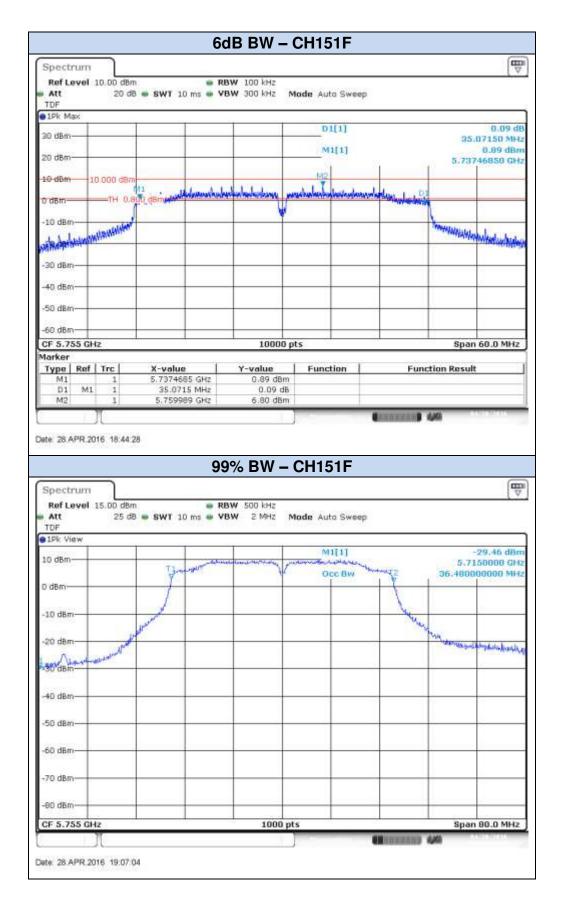




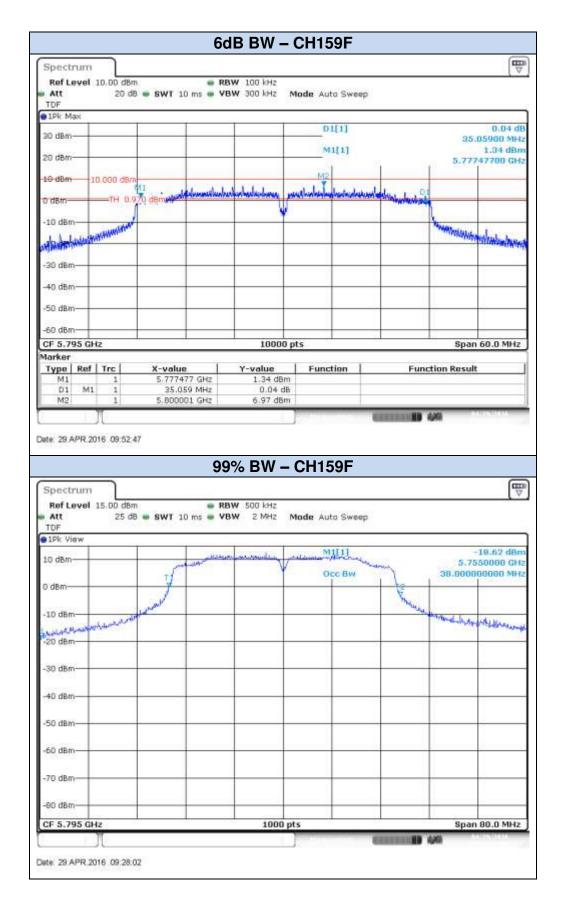
802.11n40, HT8 (MIMO) - Chain A





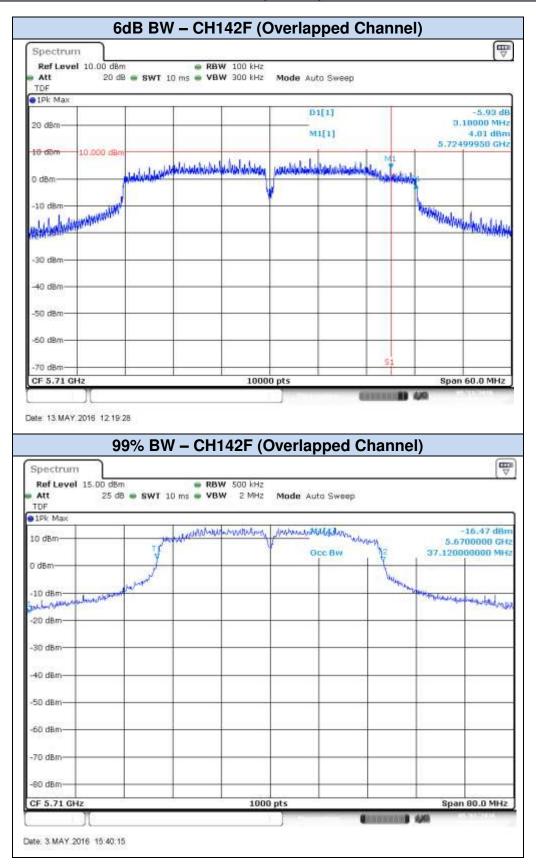




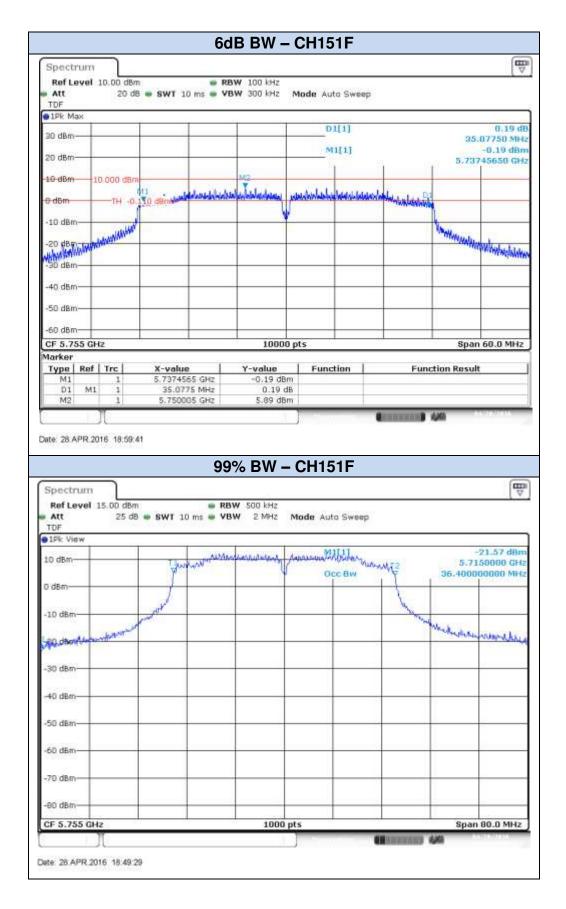




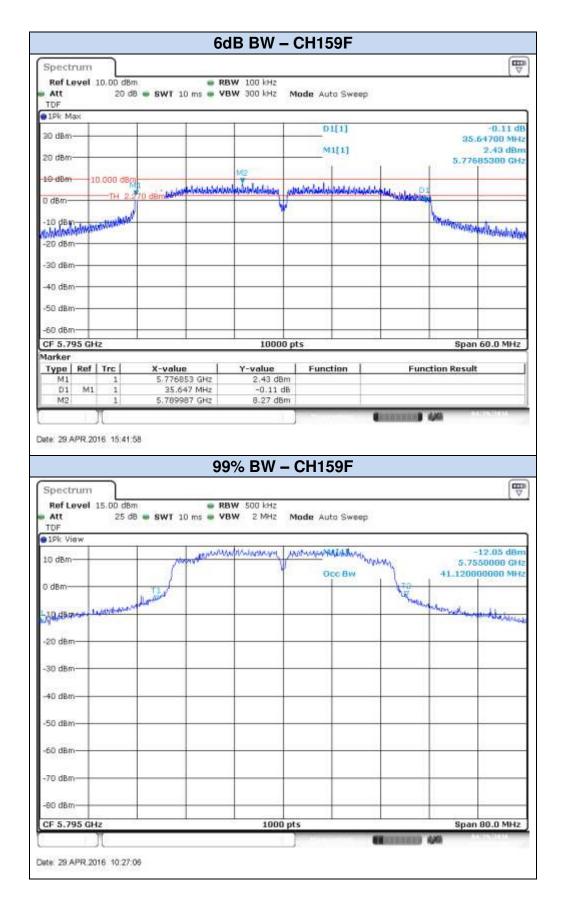
802.11n40, HT8 (MIMO) - Chain B





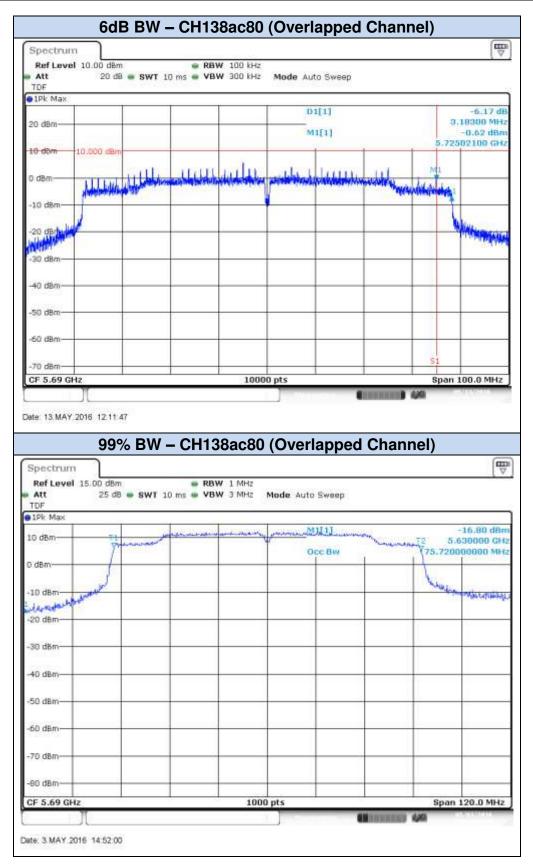




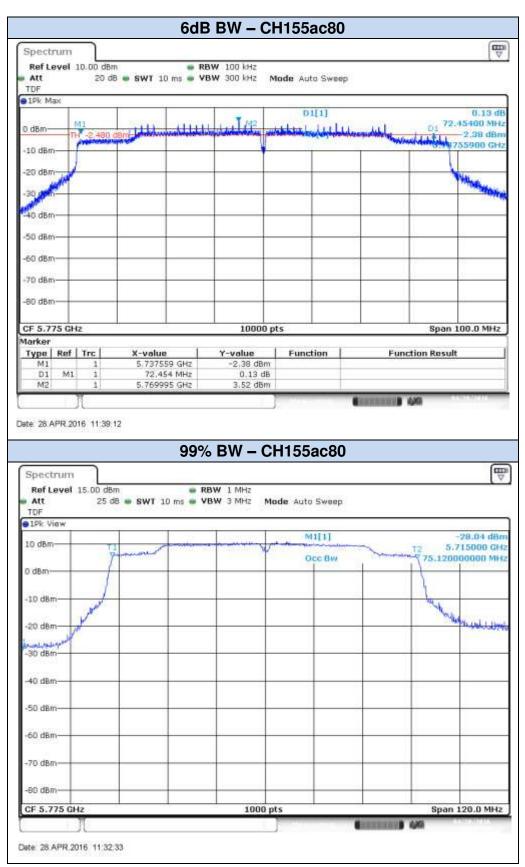




802.11ac80, VHT0 (SISO) - Chain A

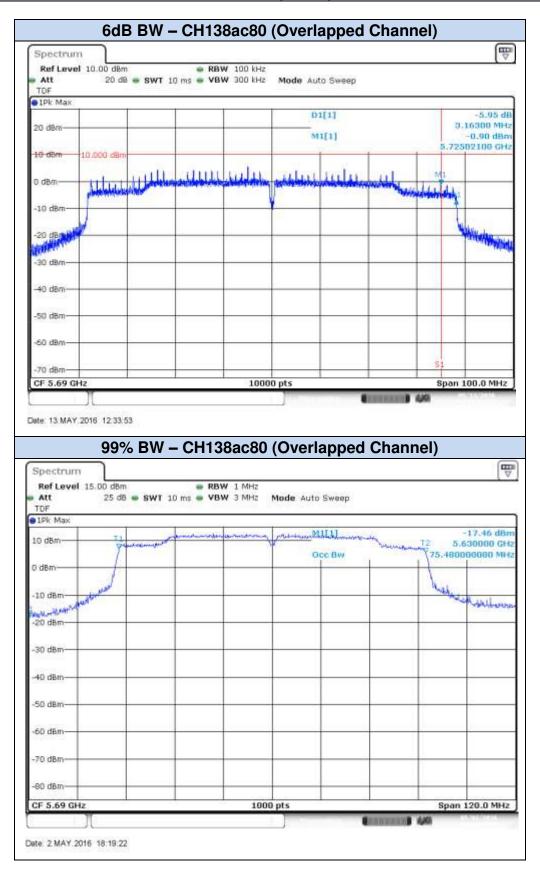




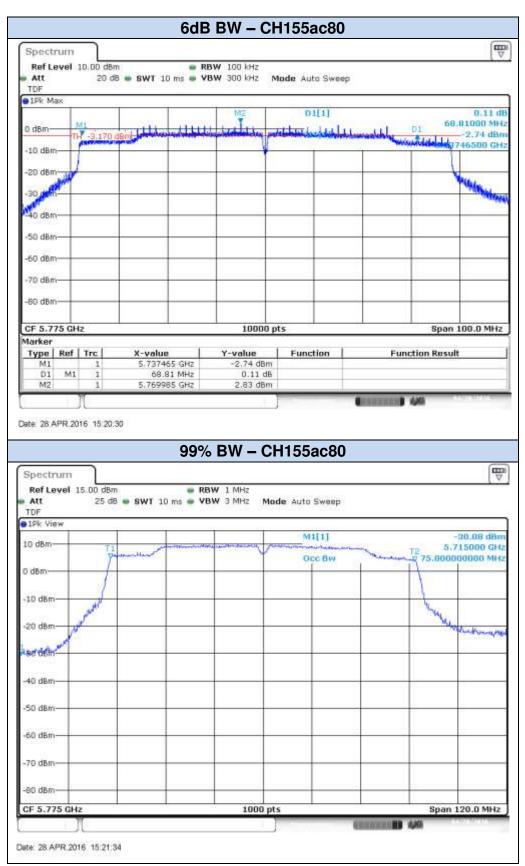




802.11ac80, VHT0 (SISO) - Chain B

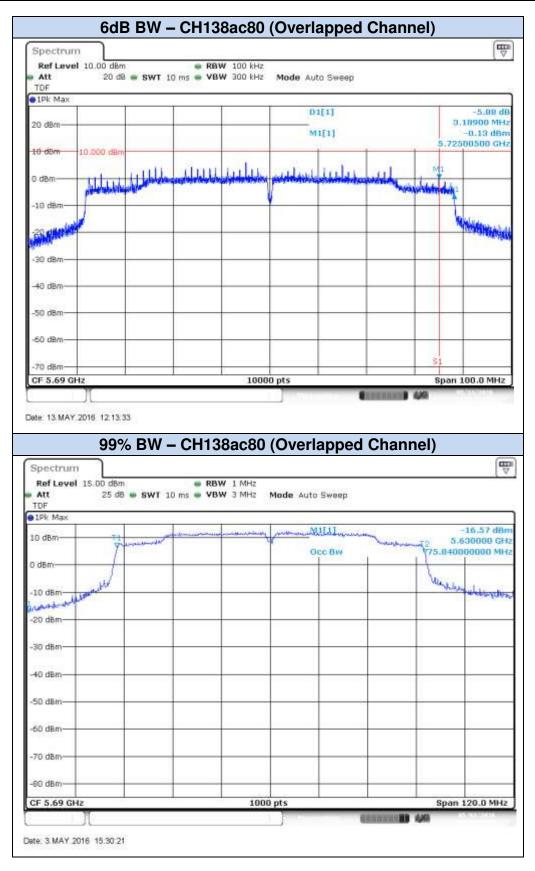




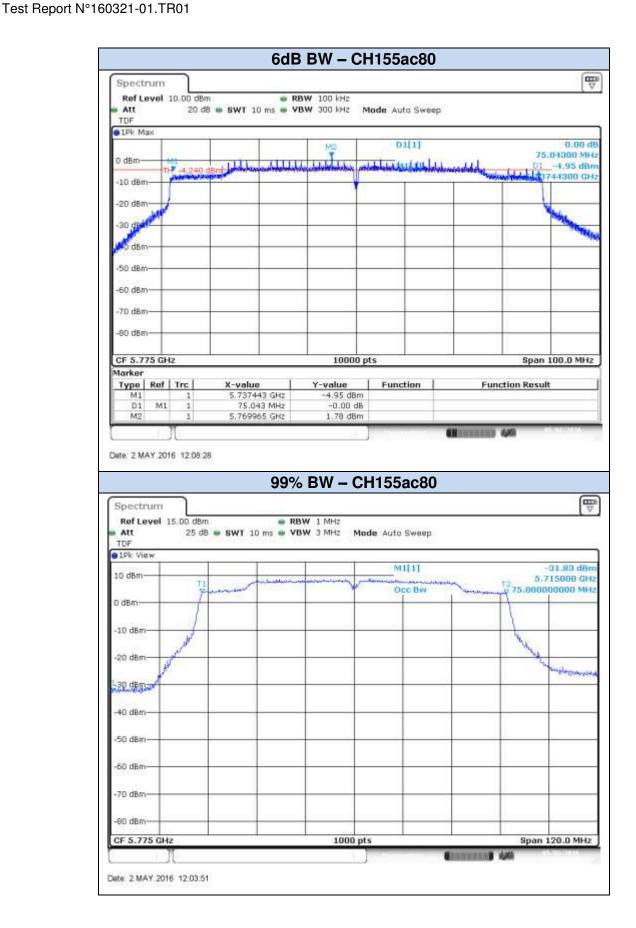




802.11ac80, VHT0 (MIMO) - Chain A

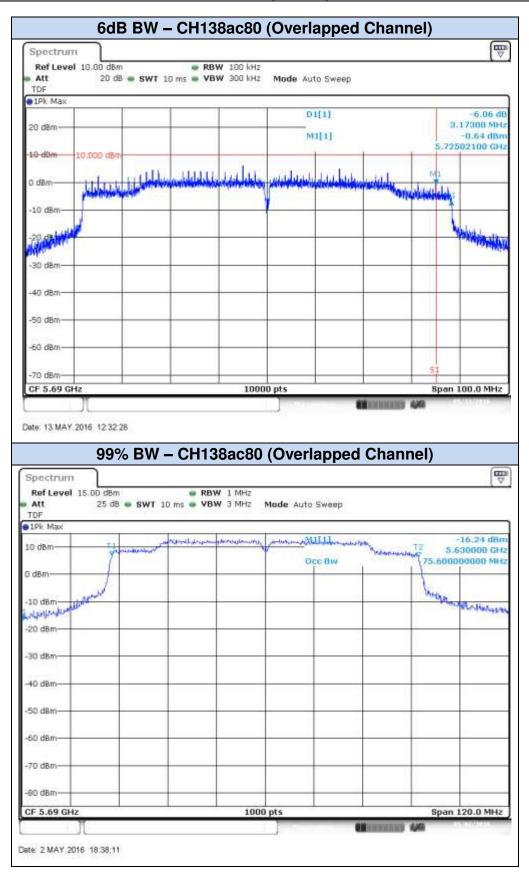




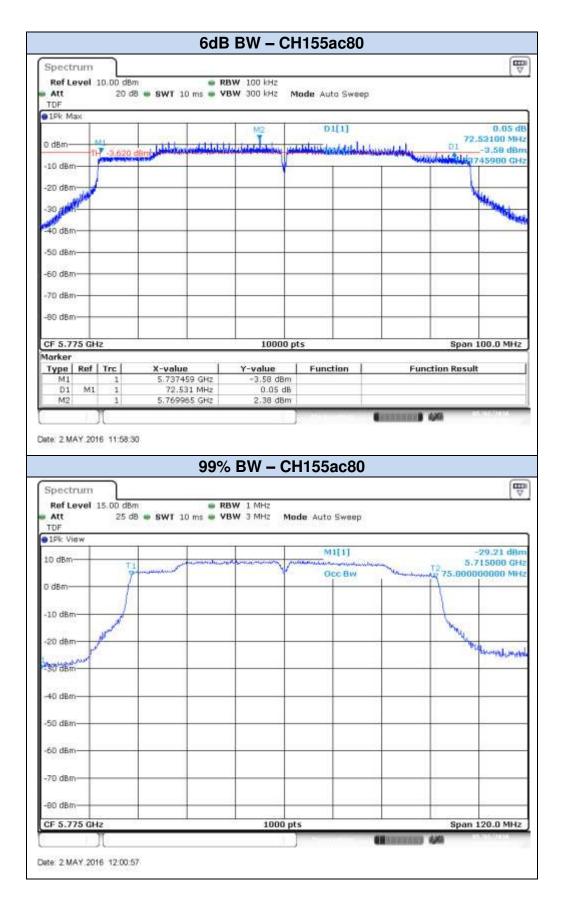


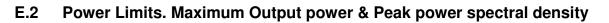


802.11ac80, VHT0 (MIMO) - Chain B









Test limits:

| FCC part | Limits |
|-------------------|---|
| 15.407 (a) (3) | For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band |

Test procedure:

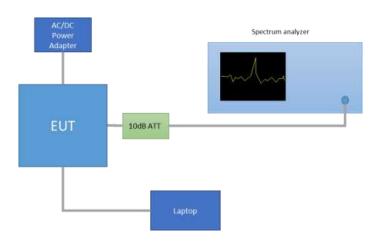
The Maximum Conducted Output Power was measured using the channel integration method according to point E) 2) e) (Method SA-2 Alternative) of KDB 789033 D02.

The maximum power spectral density (PSD) was measured using the method according to point F) (Method SA-2) of KDB 789033 D02.

In the measure-and-sum approach for MIMO mode, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically in linear power units to determine the total emission level from the device.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.

The setup below was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.



The declared maximum antenna gain is 5dBi.

For the overlapped channels between U-NII-2C and U-NII-3, and according to FCC KDB 644545 D03, the power is computed based on the portion of the emission bandwidth (26dB down) contained within that band. This rule is only applicable for those channels marked as overlapped.



Results tables:

| | | | | | | Power RMS [dBm] | | | | | | | | | | | | | | |
|-----------|-------|-------------------------------|-------|----------------|--------------|-------------------|----------------------------------|-------|------------------------|----------------------|--------|--------|------|--------|--------------|-------|-------|-------|------|-------|
| Mode | Rate | Meas. Duty Cycle [%] | СН | Freq. [MHz] | Antenna | Meas. Cond RMS | Duty cycle Compens ated | EIRP | PSD Compens ated | Power RMS [mW] | | | | | | | | | | |
| | | | 149 | 5745 | SISO CHAIN A | 20.07 | 20.16 | 25.16 | 5.94 | 103.72 | | | | | | | | | | |
| ~ | | | 149 | 5745 | SISO CHAIN B | 20.28 | 20.37 | 25.37 | 6.47 | 108.86 | | | | | | | | | | |
| 802.11a | 6Mbps | 97.98 | 157 | 157 5785 | SISO CHAIN A | 20.28 | 20.37 | 25.37 | 6.46 | 108.86 | | | | | | | | | | |
| 302. | 6MI | 97.90 | 157 | 5765 | SISO CHAIN B | 20.42 | 20.51 | 25.51 | 6.64 | 112.43 | | | | | | | | | | |
| ω. | | | 165 | 5825 | SISO CHAIN A | 20.28 | 20.37 | 25.37 | 6.43 | 108.86 | | | | | | | | | | |
| | | | 105 | 5625 | SISO CHAIN B | 20.09 | 20.18 | 25.18 | 6.33 | 104.20 | | | | | | | | | | |
| | | | 144* | 5720 | SISO CHAIN A | 11.26 | 11.34 | 16.34 | 4.58 | 13.63 | | | | | | | | | | |
| | | | /44 | 5720 | SISO CHAIN B | 11.93 | 12.01 | 17.01 | 5.15 | 15.90 | | | | | | | | | | |
| | | | 149 | 5745 | SISO CHAIN A | 19.99 | 20.07 | 25.07 | 5.99 | 101.71 | | | | | | | | | | |
| | НТО | 98.10 | 145 | 5745 | SISO CHAIN B | 20.12 | 20.20 | 25.20 | 6.14 | 104.80 | | | | | | | | | | |
| | Έ | | 157 | 5785 | SISO CHAIN A | 20.04 | 20.12 | 25.12 | 6.03 | 102.89 | | | | | | | | | | |
| | | | 157 | 5765 | SISO CHAIN B | 20.24 | 20.32 | 25.32 | 6.25 | 107.73 | | | | | | | | | | |
| 20 | | | 165 | 5825 | SISO CHAIN A | 20.13 | 20.21 | 25.21 | 6.15 | 105.04 | | | | | | | | | | |
| 802.11n20 | | | 105 | 3023 | SISO CHAIN B | 20.02 | 20.10 | 25.10 | 6.01 | 102.41 | | | | | | | | | | |
| 02.1 | | | 144* | 5720 | MIMO CHAIN A | 10.79 | 10.89 | 10.79 | 4.01 | 12.28 | | | | | | | | | | |
| 8(| | | | 5720 | MIMO CHAIN B | 10.81 | 10.91 | 10.81 | 4.12 | 12.34 | | | | | | | | | | |
| | | | 149 | 5745 | MIMO CHAIN A | 19.92 | 20.02 | 25.02 | 5.97 | 100.54 | | | | | | | | | | |
| | HT8 | 97.65 | 140 | 0740 | MIMO CHAIN B | 20.32 | 20.42 | 25.42 | 6.38 | 110.24 | | | | | | | | | | |
| | Ξ | | | | 159 | 159 5785 | MIMO CHAIN A | 20.22 | 20.32 | 25.32 | 6.23 | 107.73 | | | | | | | | |
| | | | 100 | 0/00 | MIMO CHAIN B | 20.67 | 20.77 | 25.77 | 6.61 | 119.49 | | | | | | | | | | |
| | | | 165 | 5825 | MIMO CHAIN A | 19.61 | 19.71 | 24.71 | 5.55 | 93.61 | | | | | | | | | | |
| | | | 100 | 0020 | MIMO CHAIN B | 20.29 | 20.39 | 25.39 | 6.30 | 109.48 | | | | | | | | | | |
| | | | 142F* | 5710 | SISO CHAIN A | 7.24 | 7.32 | 12.32 | -0.73 | 5.40 | | | | | | | | | | |
| | | | | 0,10 | SISO CHAIN B | 7.71 | 7.79 | 12.79 | -0.09 | 6.02 | | | | | | | | | | |
| | НТО | 98.10 | 151F | 5755 | SISO CHAIN A | 20.60 | 20.68 | 25.68 | 3.26 | 117.04 | | | | | | | | | | |
| | Т | 00.10 | 1011 | 0/00 | SISO CHAIN B | 20.27 | 20.35 | 25.35 | 2.98 | 108.48 | | | | | | | | | | |
| 40 | | | 15 | 159F | 5795 | SISO CHAIN A | 20.39 | 20.47 | 25.47 | 3.09 | 111.52 | | | | | | | | | |
| 11n | | | 1001 | 0,00 | SISO CHAIN B | 20.50 | 20.58 | 25.58 | 3.25 | 114.38 | | | | | | | | | | |
| 802.11n40 | | | 142F* | 5710 | MIMO CHAIN A | 7.12 | 7.23 | 12.23 | -0.87 | 5.28 | | | | | | | | | | |
| õ | | | | 0.10 | MIMO CHAIN B | 7.78 | 7.89 | 12.89 | -0.04 | 6.15 | | | | | | | | | | |
| | HT8 | 97 60 | 97 60 | 97.60 | 97.60 | 97.60 | 97.60 | 97.60 | 97.60 | 97 60 | 97 60 | 97.60 | 151F | F 5755 | MIMO CHAIN A | 18.54 | 18.65 | 23.65 | 0.11 | 73.21 |
| | Т | 01.00 | | 0.00 | MIMO CHAIN B | 19.00 | 19.11 | 24.11 | 1.81 | 81.39 | | | | | | | | | | |
| | | | 159F | 5795 | MIMO CHAIN A | 20.20 | 20.31 | 25.31 | 2.93 | 107.29 | | | | | | | | | | |
| | | | | 0.00 | MIMO CHAIN B | 20.68 | 20.79 | 25.79 | 3.54 | 119.83 | | | | | | | | | | |

(Continued)



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SISO modes (Continued) Power RMS [dBm] Meas. Duty PSD Power Mode Rate Duty Meas. Freq. cycle СН EIRP Compens RMS Antenna Cycle [MHz] Cond RMS Compens ated [mW] ated [%] SISO CHAIN A 2.96 3.04 -4.60 2.02 8.04 138ac80* 5690 VHT0 SISO CHAIN B 3.10 3.18 8.18 -4.76 2.08 98.10 SISO CHAIN A 18.39 -1.74 69.08 802.11ac80 18.31 23.39 155ac80 5775 SISO CHAIN B 17.55 17.63 22.63 -2.53 57.99 2.27 MIMO CHAIN A 3.45 3.56 8.56 -4.63 138ac80* 5690 VHT0 2.22 MIMO CHAIN B 3.36 3.47 8.47 -4.50 97.55 MIMO CHAIN A 16.24 16.35 21.35 -3.70 43.13 155ac80 5775 MIMO CHAIN B 16.82 16.93 21.93 -3.27 49.29

Max Value

Min Value

| MIMO mode | s – Com | bined resul | lts | Power | | | | | |
|-------------|----------|-------------|--------------------|-----------|--|--------|-----------------|---------------------------|--------|
| Mode | Rate | Channel | Frequency (MHz) | Antenna | Combined, Duty Cycle compensated | EIRP | Combined PSD | Power Combined [mW] | |
| | | 144* | 5720 | | 13.91 | 18.91 | 7.08 | 24.63 | |
| 802.11n20 | 149 5745 | | 23.24 | 28.24 | 9.19 | 210.78 | | | |
| 802.11120 | HT8 | 157 | 5785 | | 23.56 | 28.56 | 9.44 | 227.23 | |
| | | 165 | 5825 | MIMO | 23.08 | 28.08 | 8.95 | 203.10 | |
| | | 142F* | 5710 | CHAIN A + | 10.58 | 15.58 | -0.87 | 11.42 | |
| 802.11n40 | HT8 | HT8 | 151F | 5755 | CHAIN B | 21.89 | 26.89 | 4.05 | 154.59 |
| | | 159F | 5795 | | 23.56 | 28.56 | 6.25 | 227.11 | |
| 000 11 0000 | | 138ac80* | 5690 | | 6.52 | 11.52 | -1.56 | 4.49 | |
| 802.11ac80 | VHT0 | 155ac80 | 5775 | | 19.66 | 24.66 | -0.47 | 92.43 | |

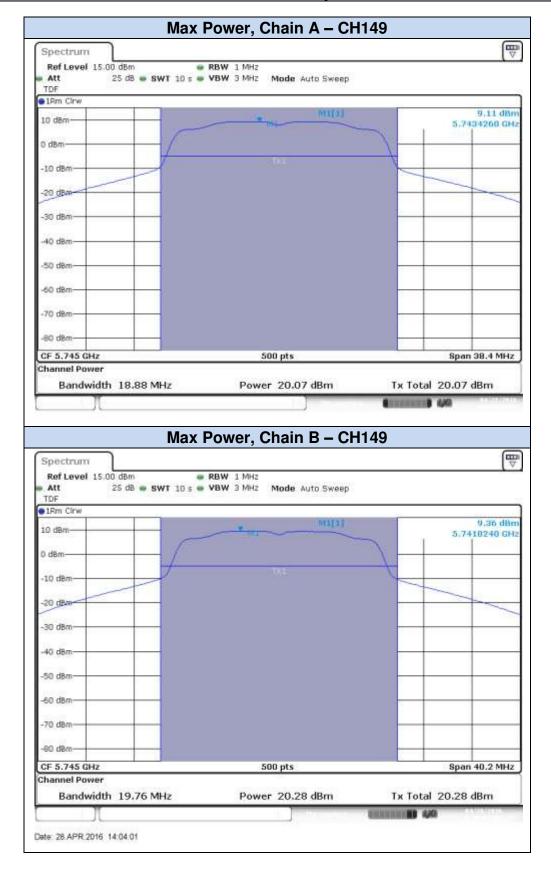
Max Value Min Value

* Overlapped channels between U-NII-2C and U-NII-3

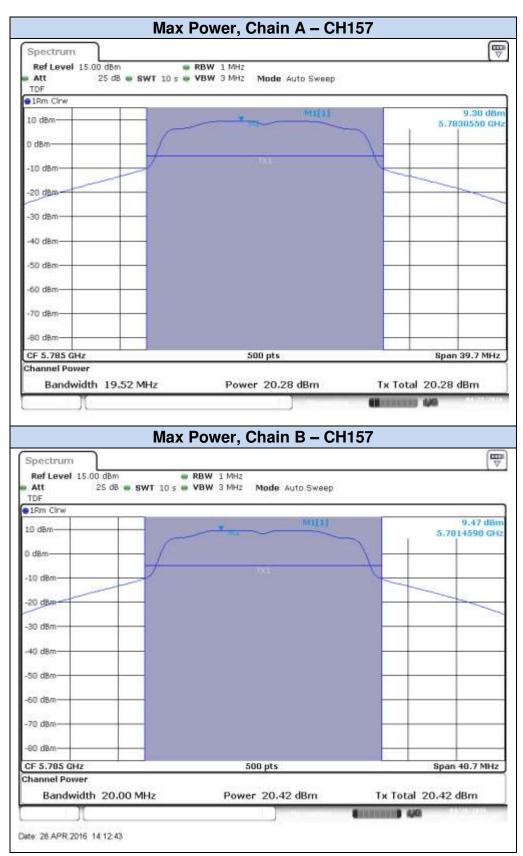


Results screenshot:

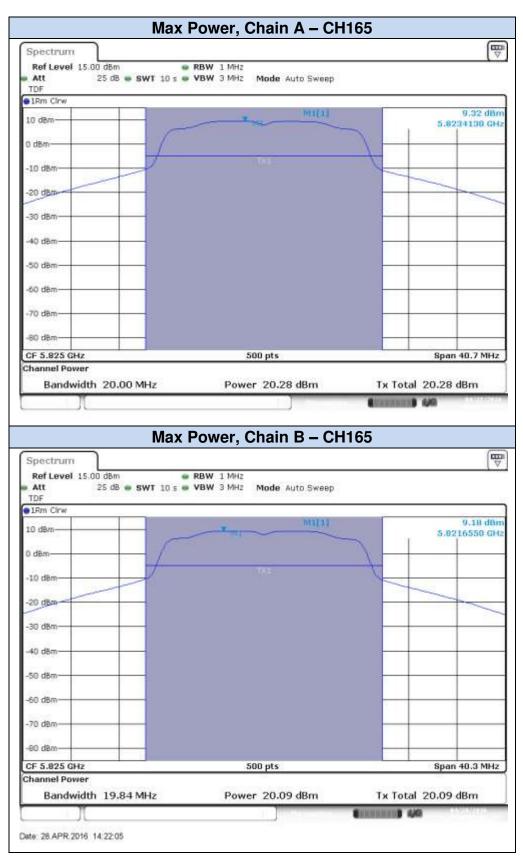
802.11a, 6Mbps





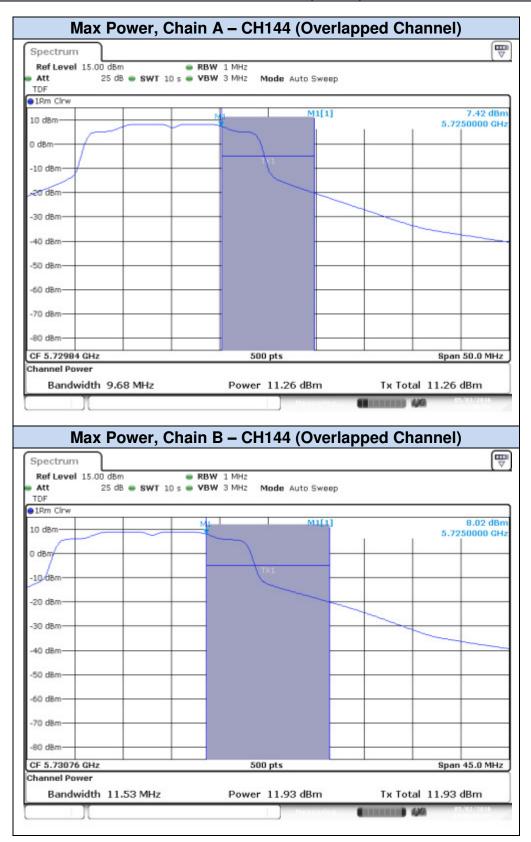




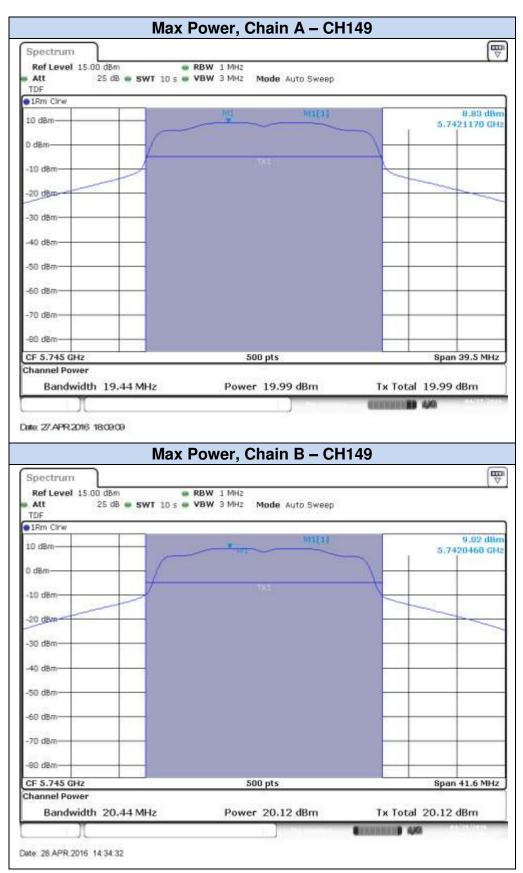




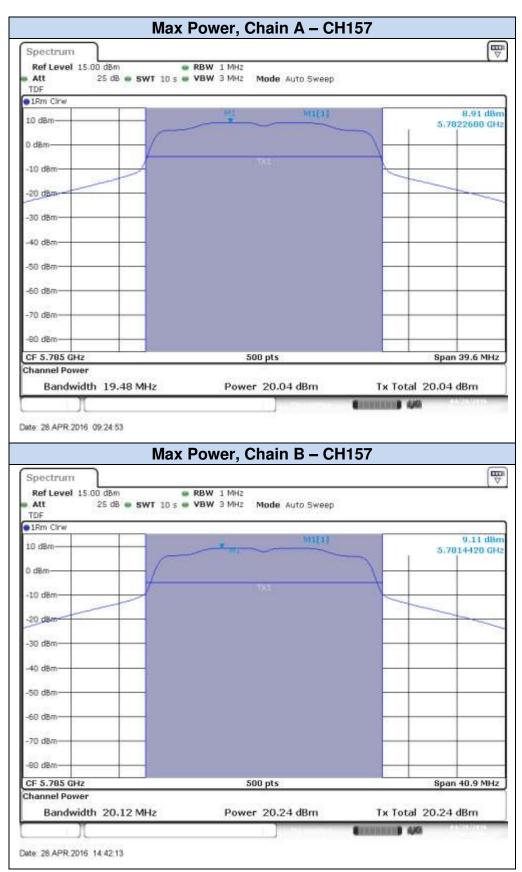
802.11n20, HT0 (SISO)



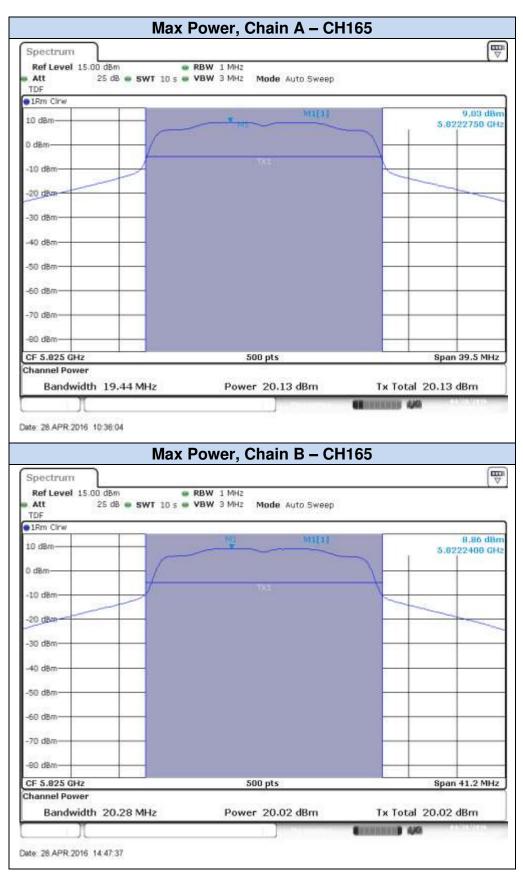






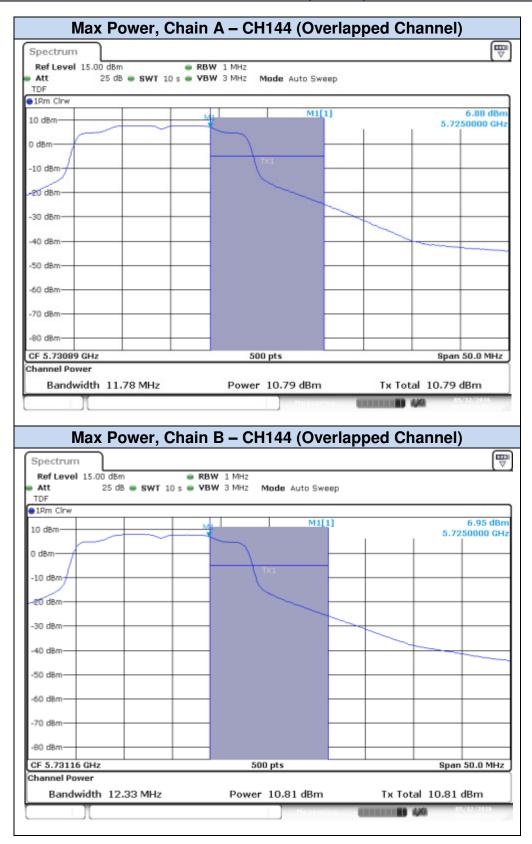




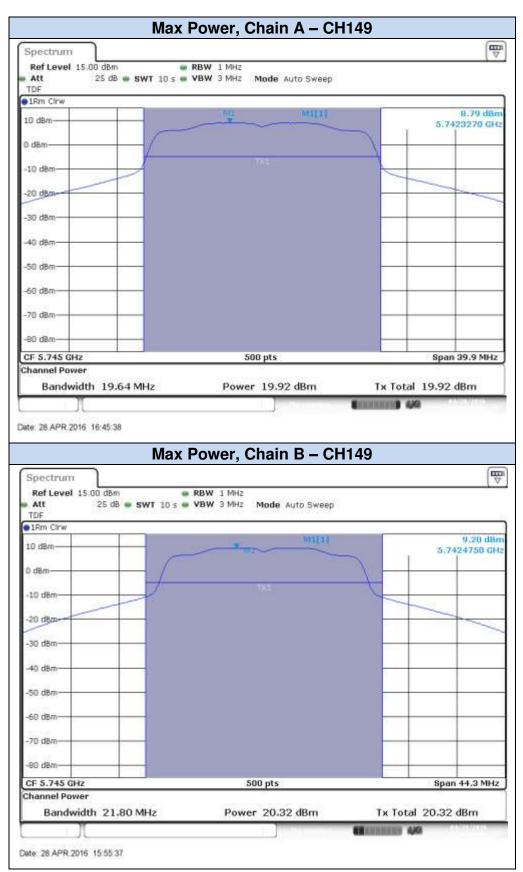




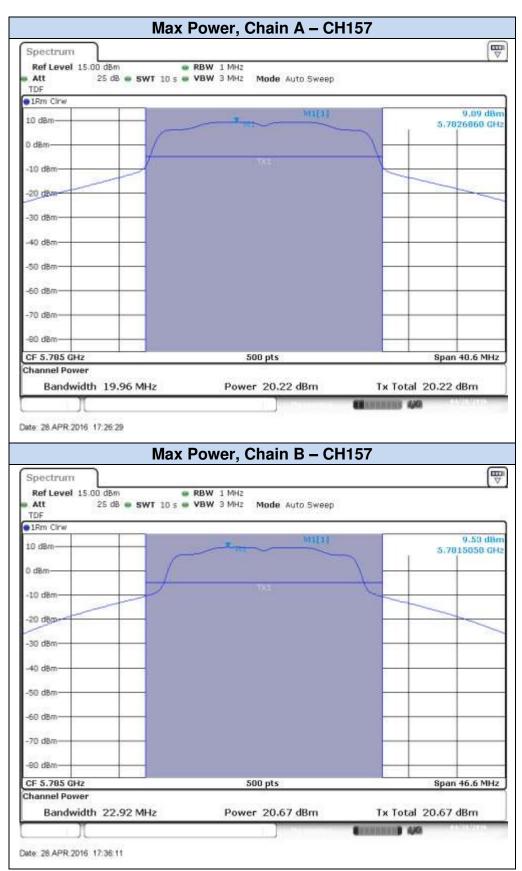
802.11n20, HT8 (MIMO)



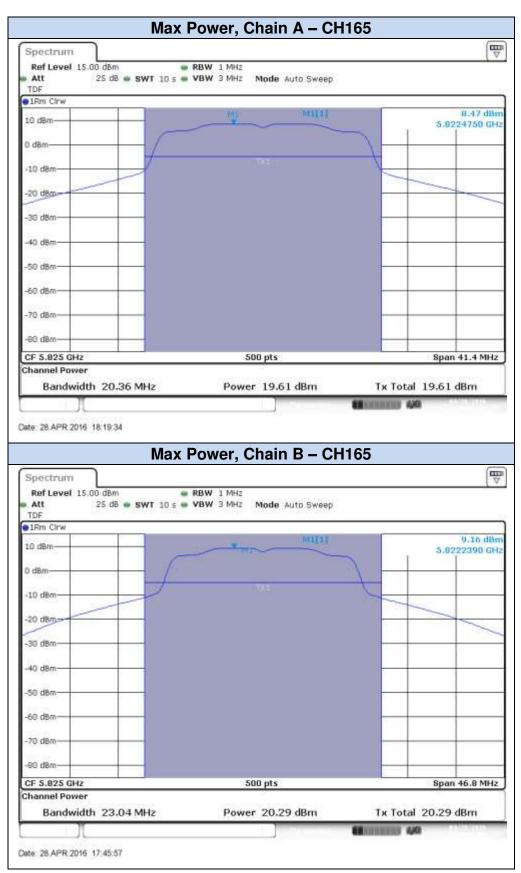






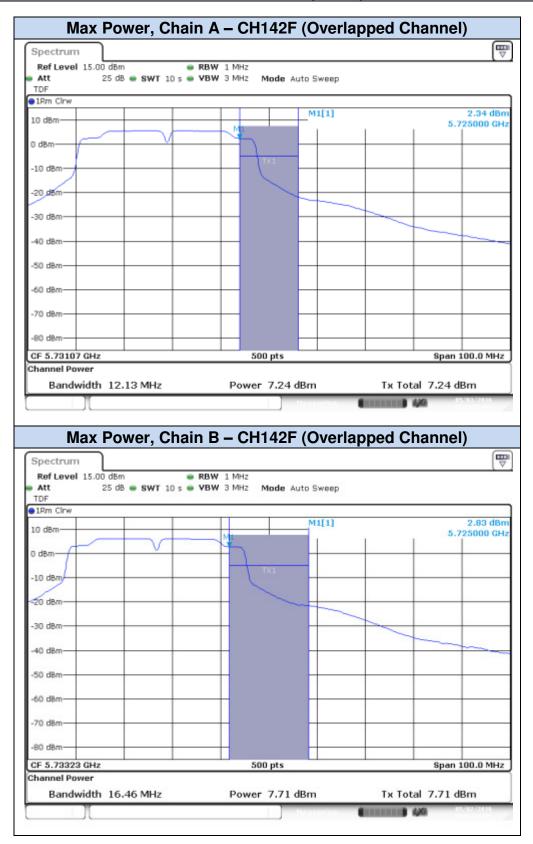




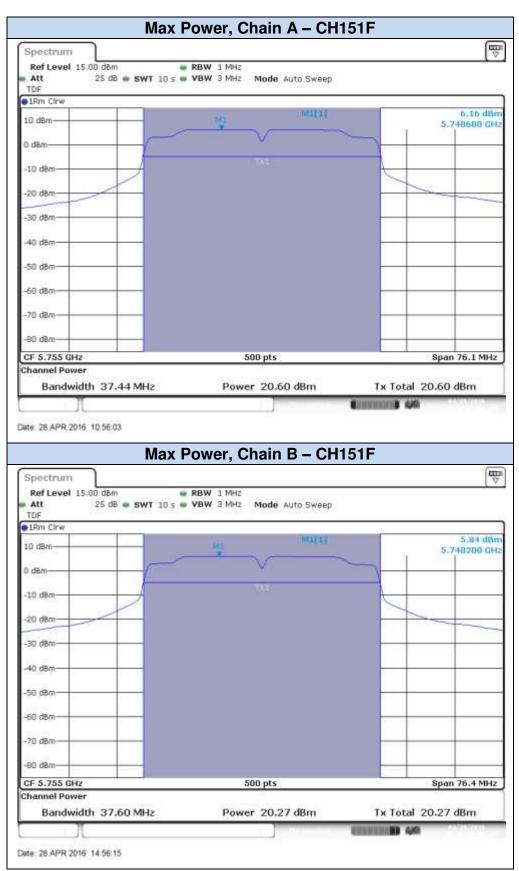




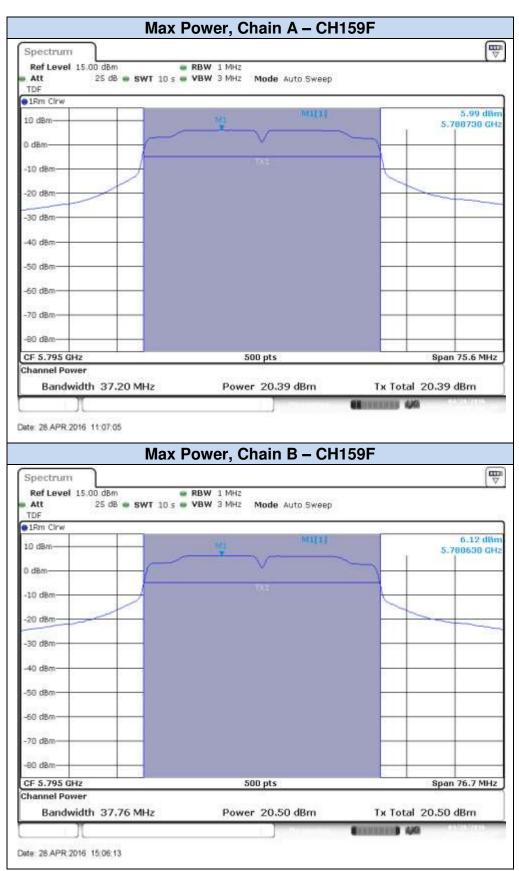
802.11n40, HT0 (SISO)





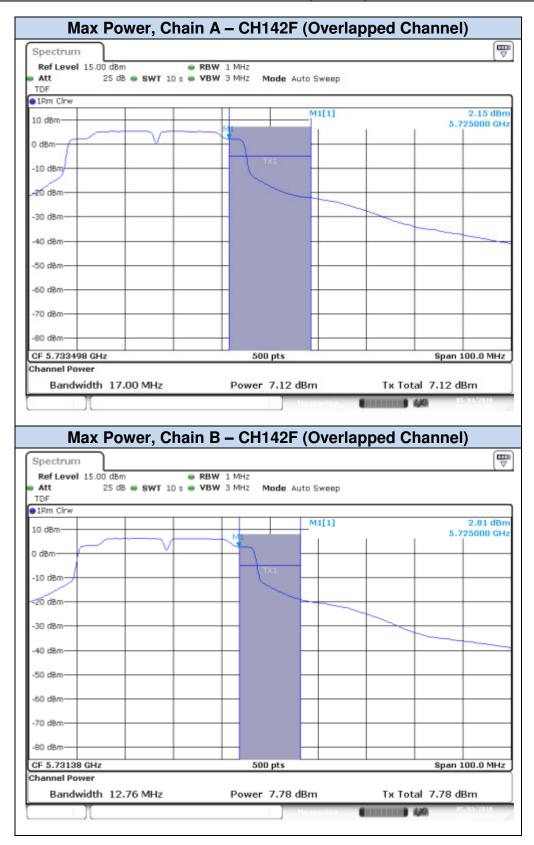




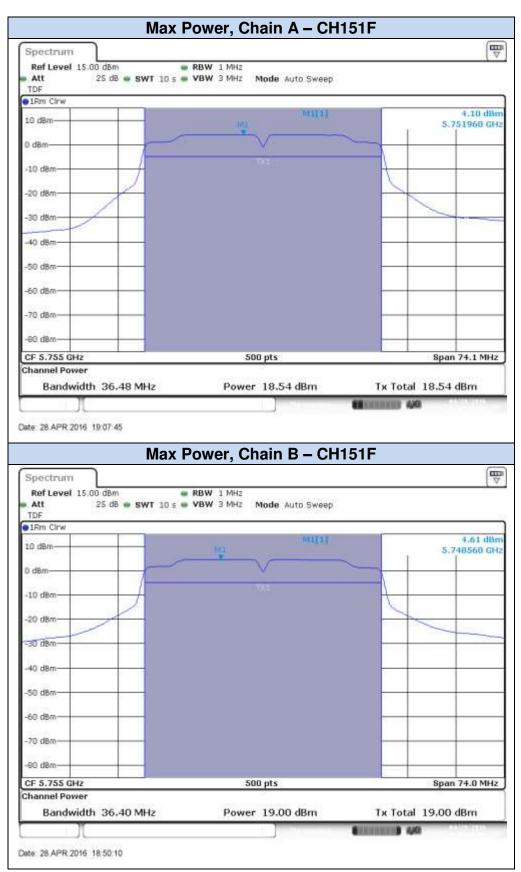




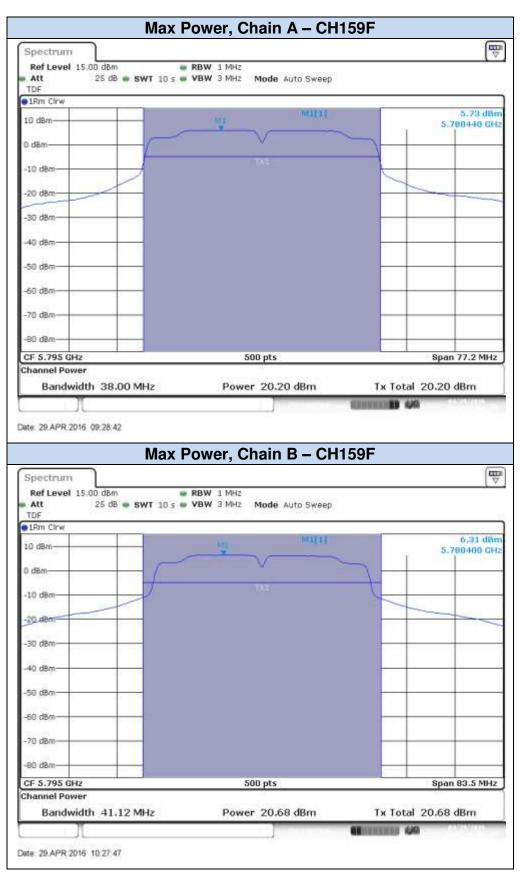
802.11n40, HT8 (MIMO)





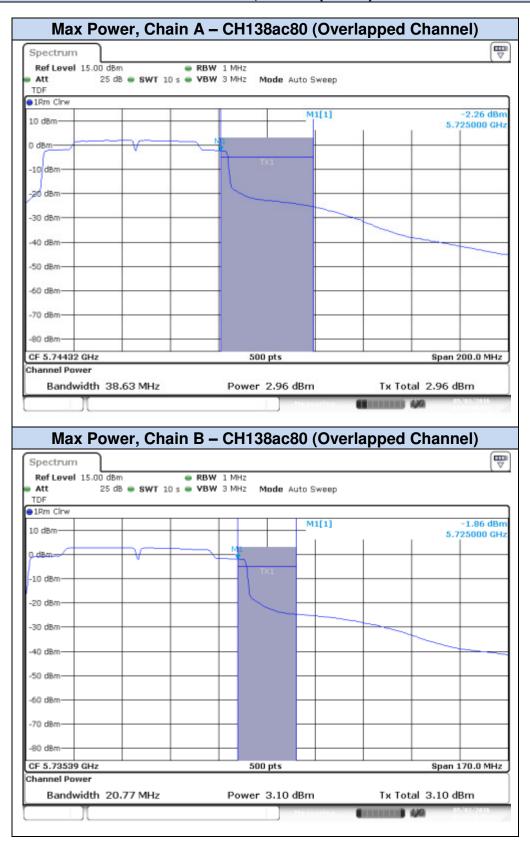




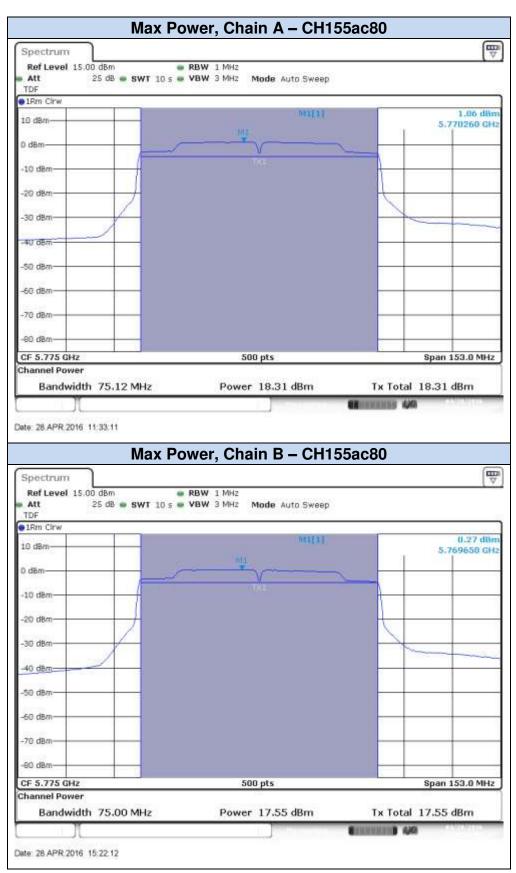




802.11ac80, VHT0 (SISO)

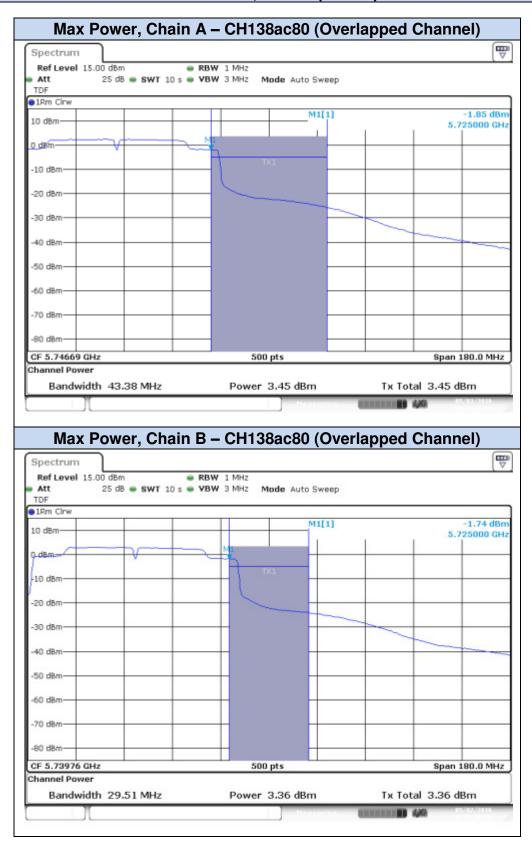


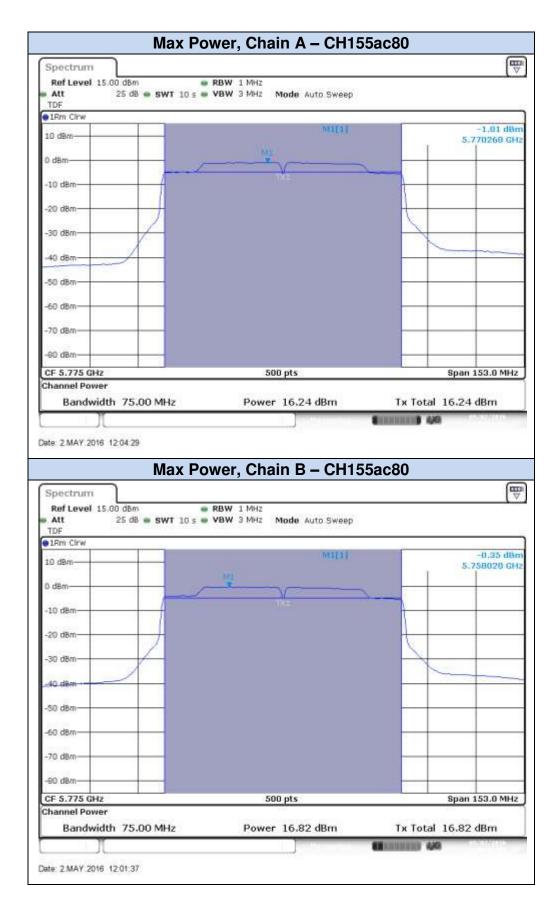






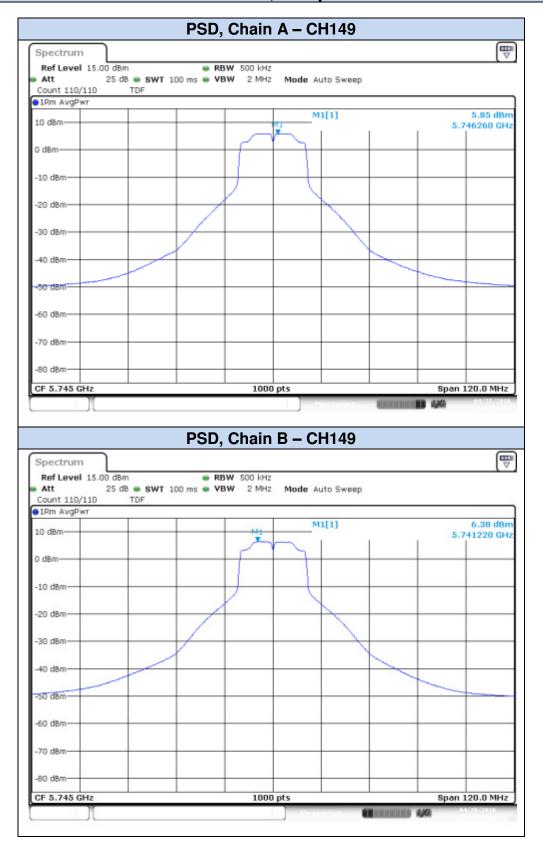
802.11ac80, VHT0 (MIMO)



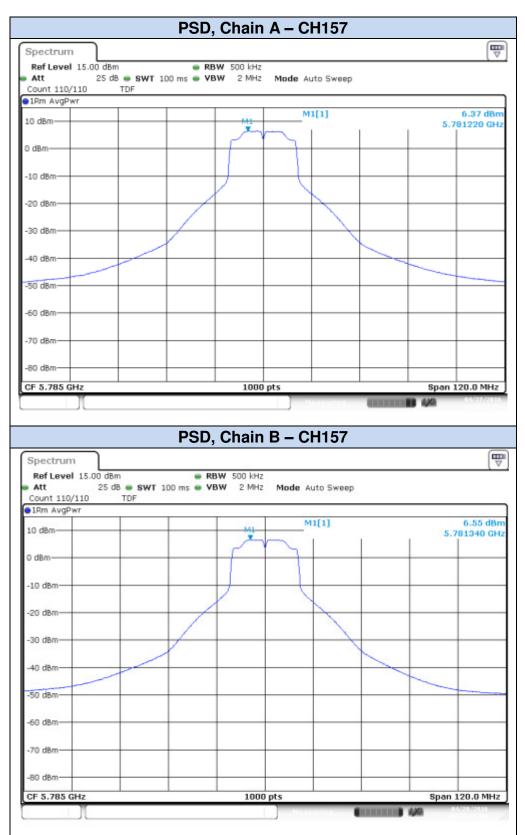




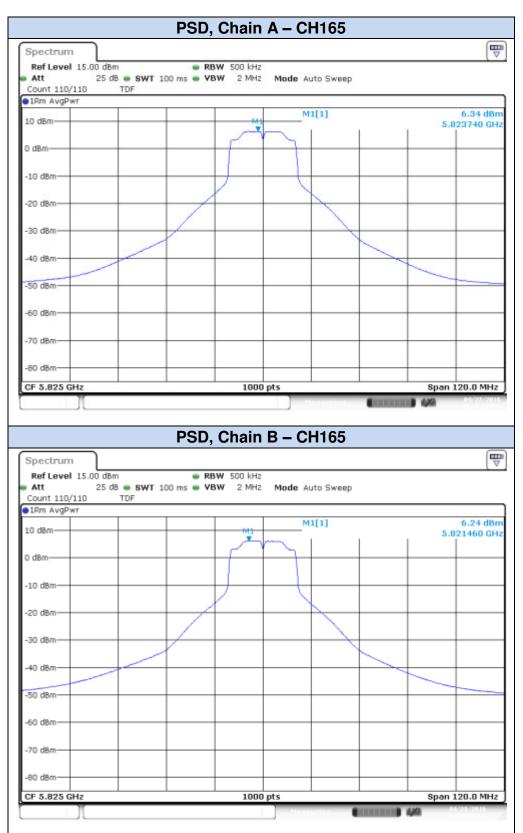
802.11a, 6Mbps





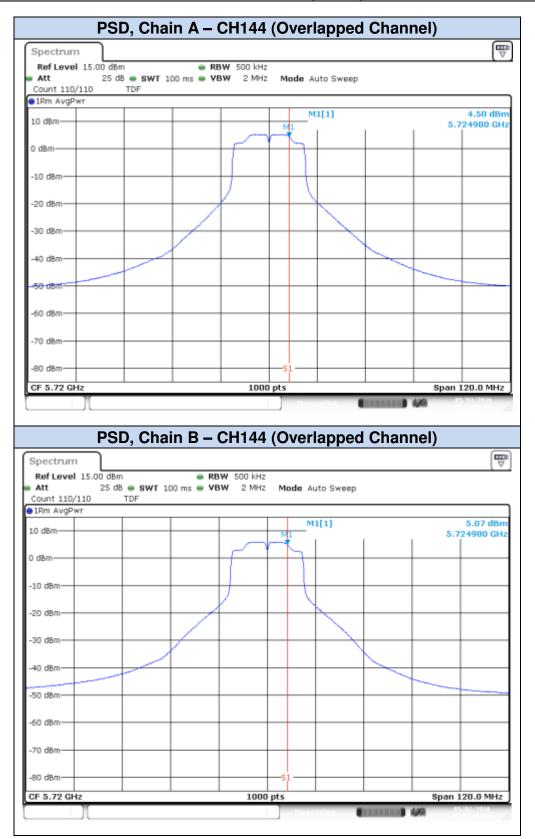




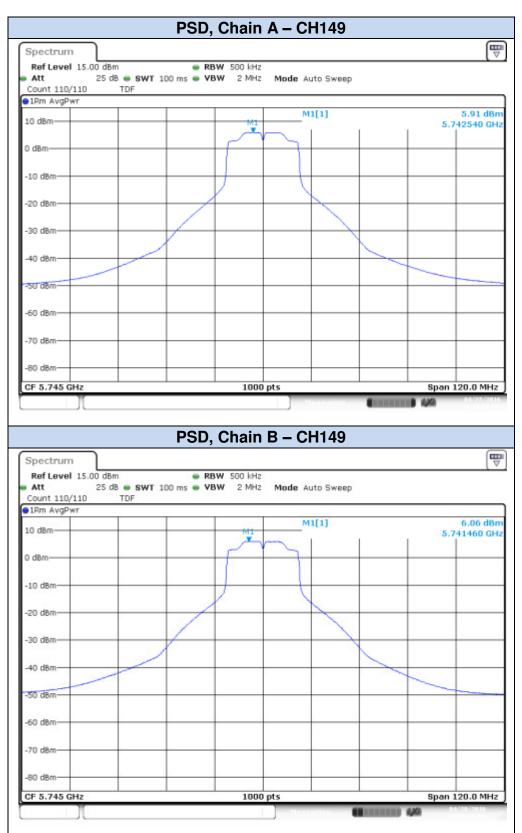




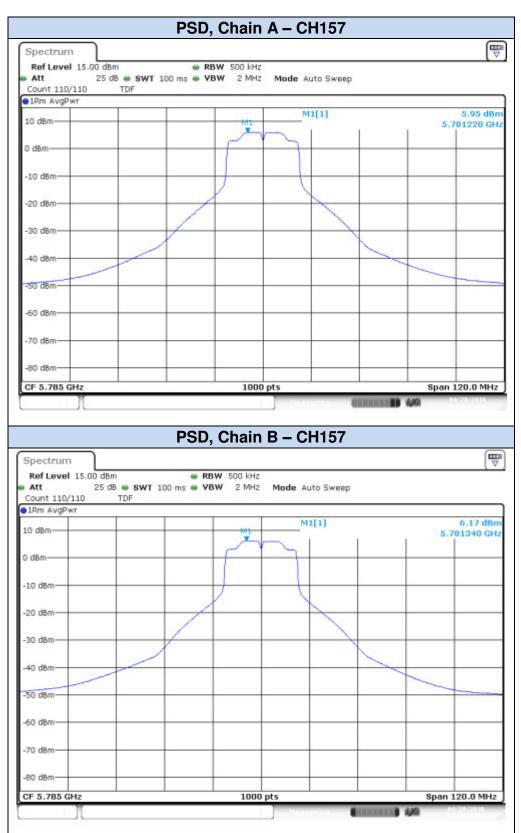
802.11n20, HT0 (SISO)



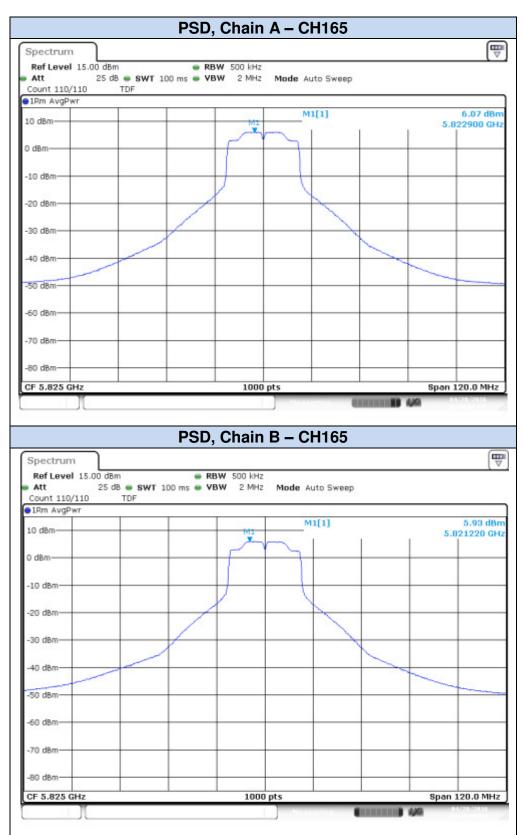






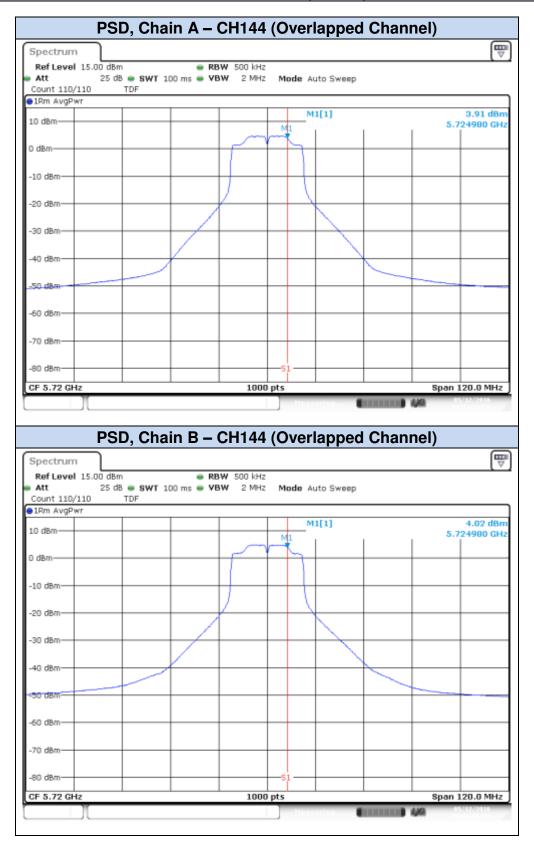




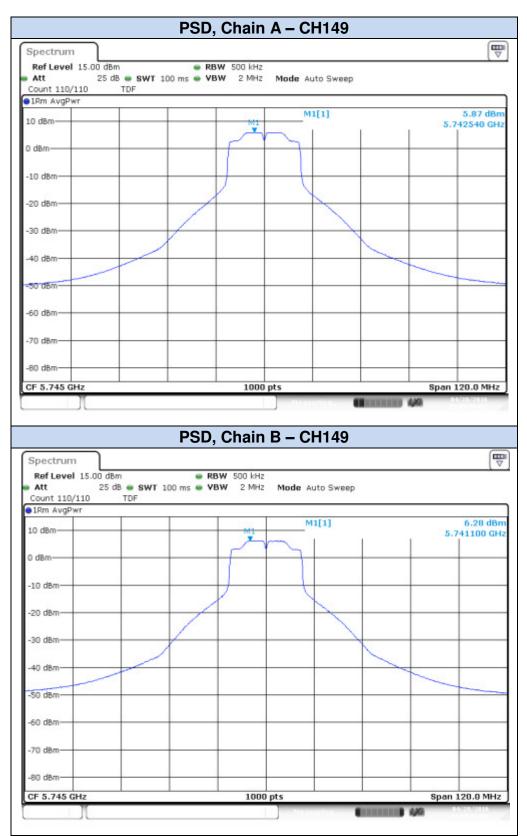




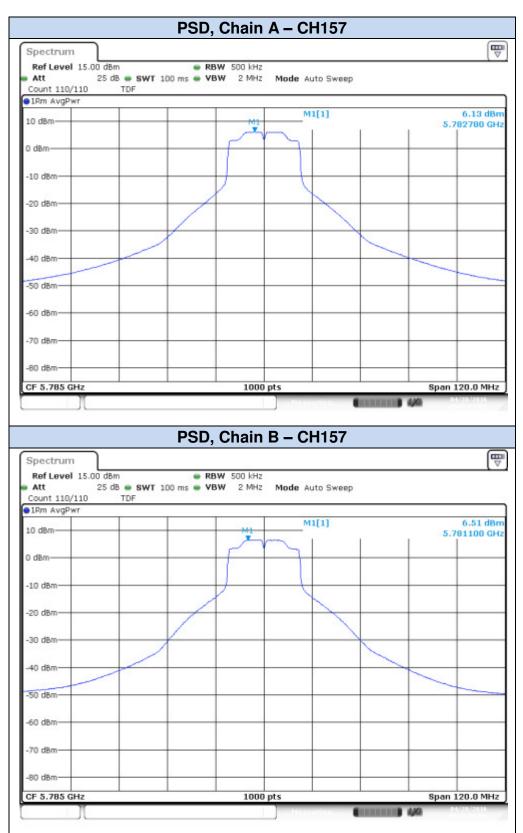
802.11n20, HT8 (MIMO)



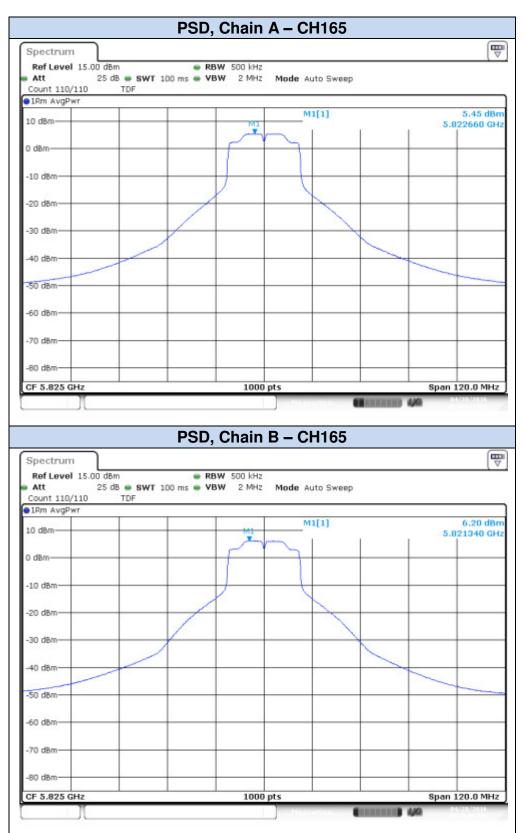






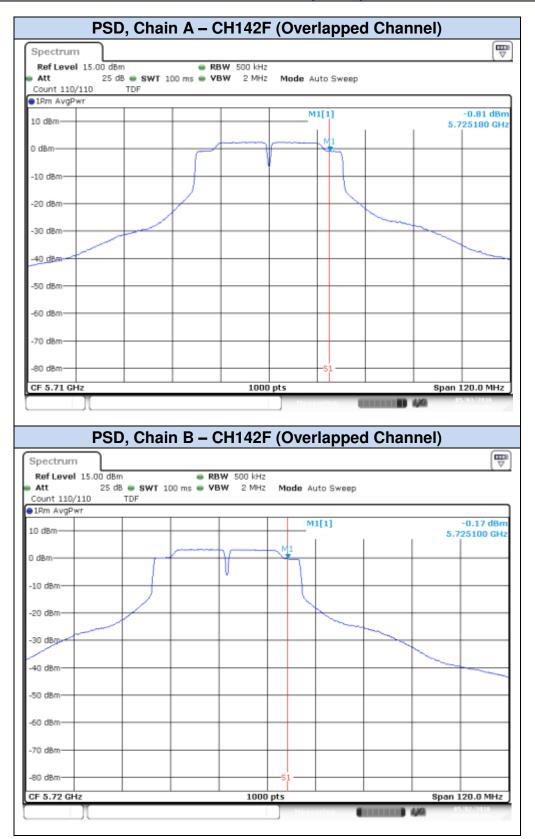




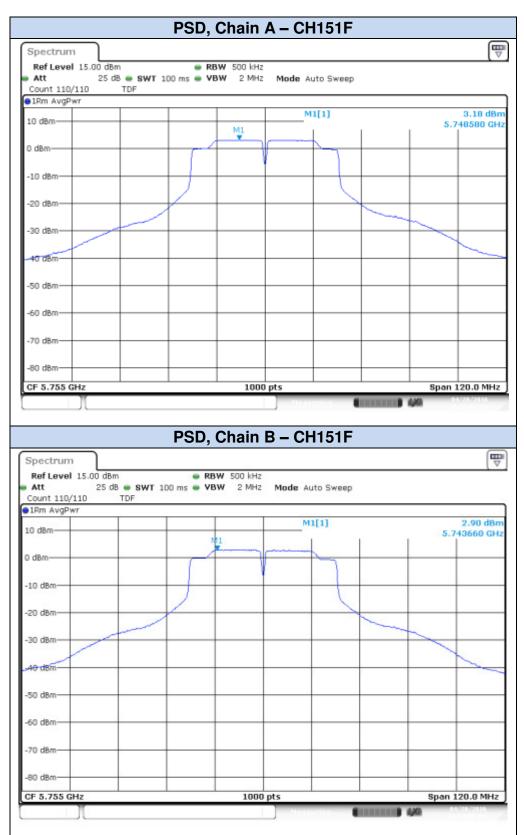




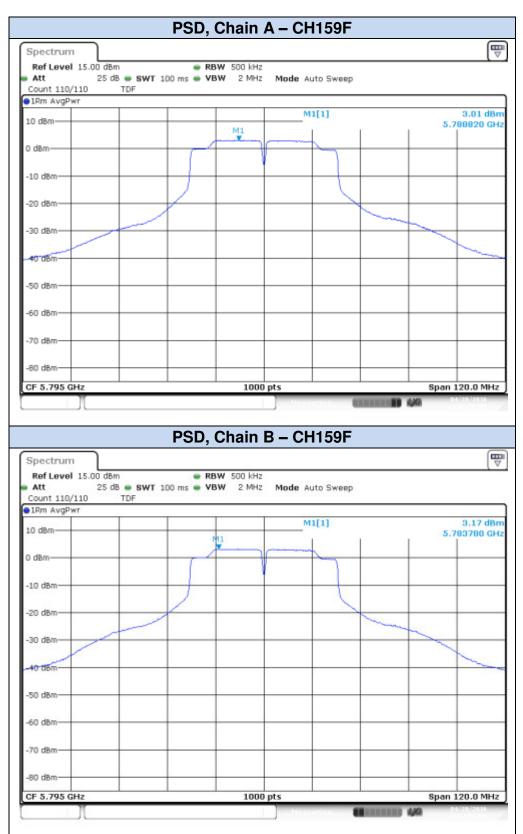
802.11n40, HT0 (SISO)





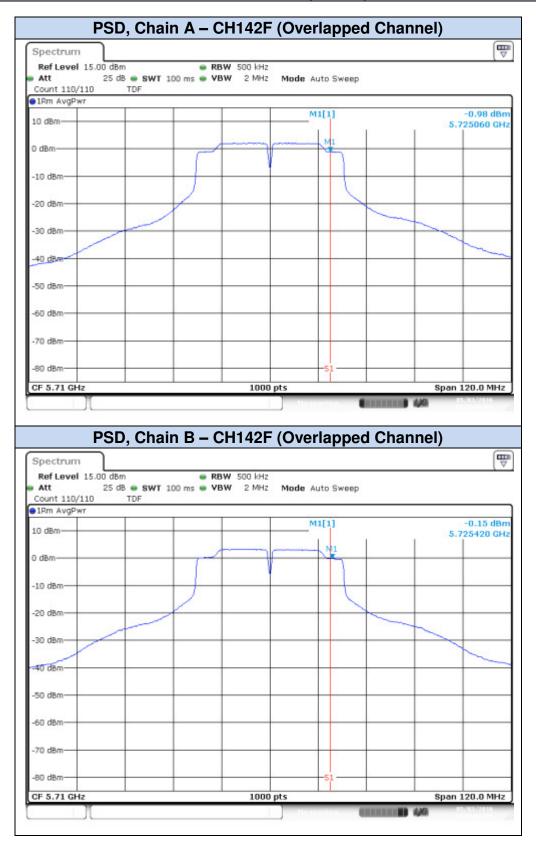




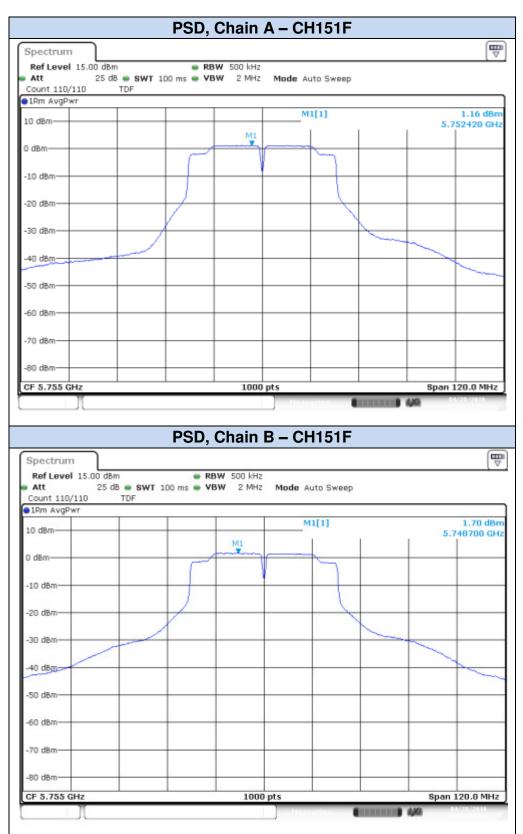




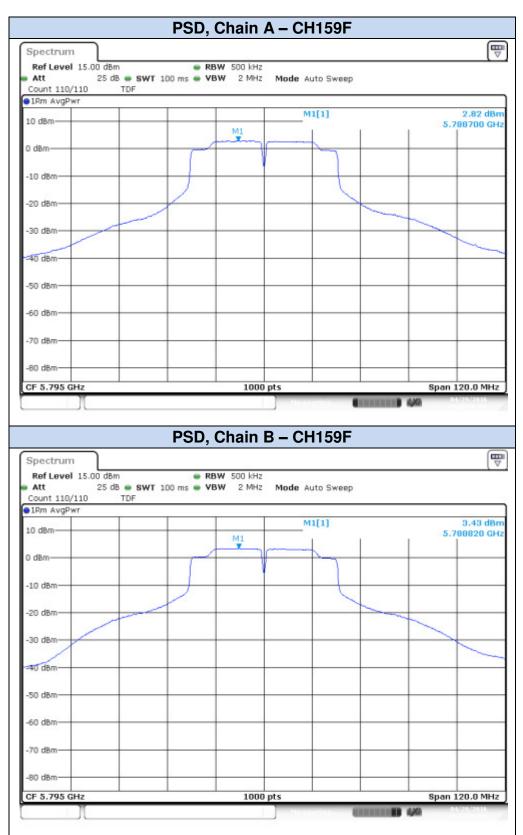
802.11n40, HT8 (MIMO)





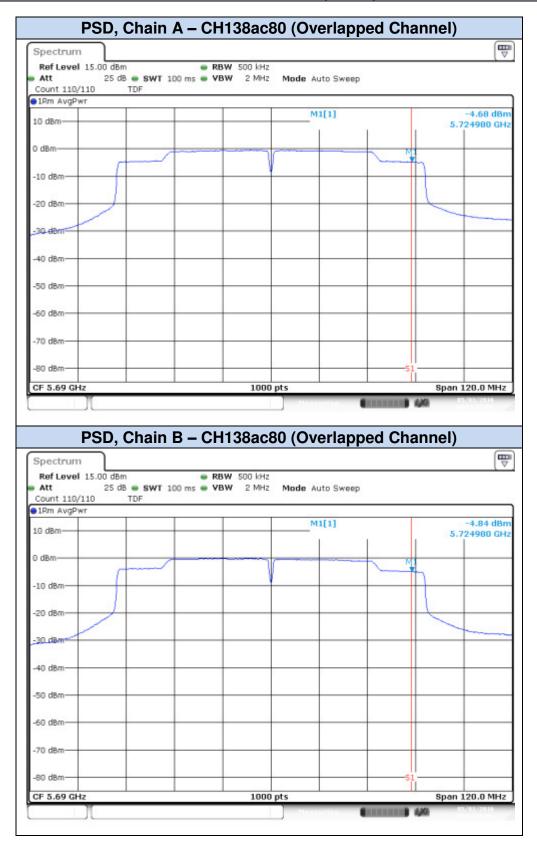




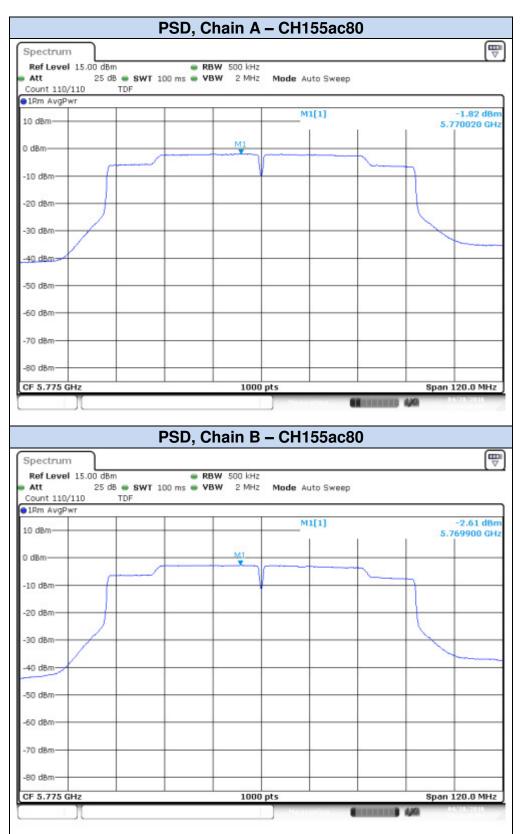




802.11ac80, VHT0 (SISO)









802.11ac80, VHT0 (MIMO)

