Appendix B

RF Test Data for 5.8G WLAN (Conducted Measurement)

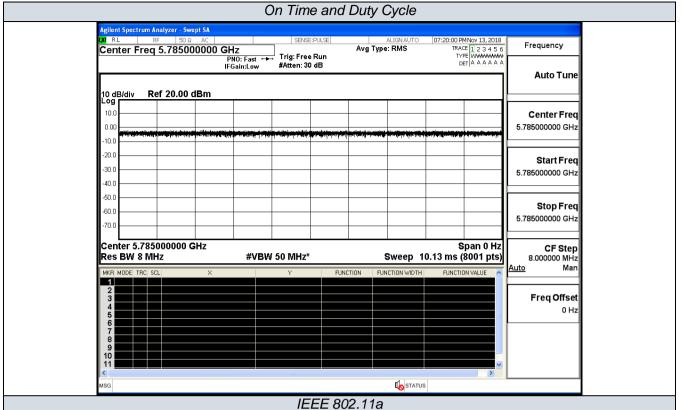
Product Name: Wireless Extender
Trade Mark: N/A
Test Model: LKV388mini

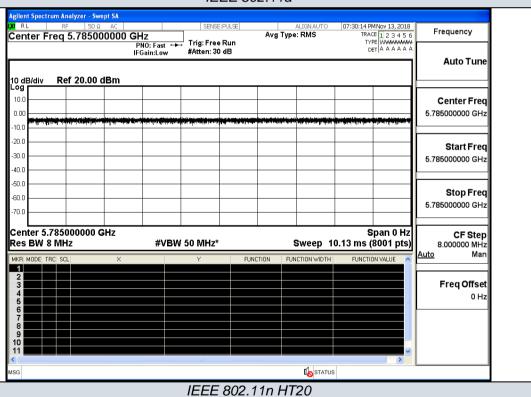
Environmental Conditions

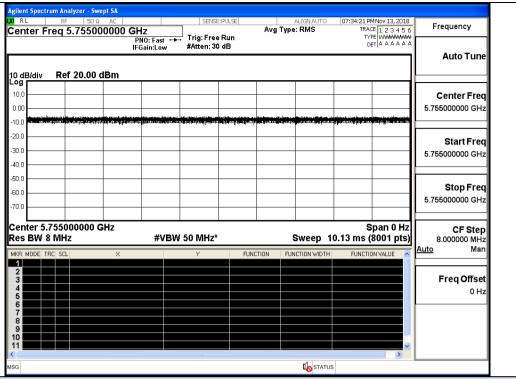
| Temperature: | 23.6 ° C |
|--------------------|-------------|
| Relative Humidity: | 53.6% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Tom Liu |
| Supervised by: | Jayden Zhuo |

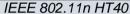
B.1 Duty Cycle

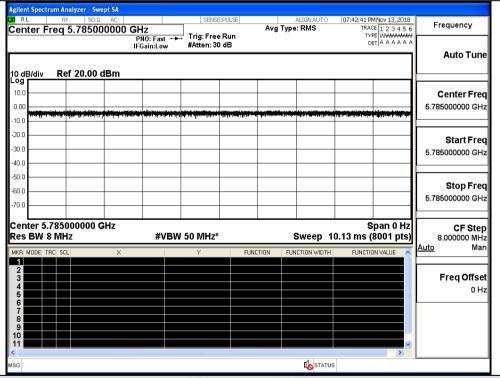
| Test Mode | Test Frequency (MHz) | Duty Cycle (%) | 10log(1/x) Factor (dB) | 1/B Minimum VBW(KHz) |
|-------------|----------------------------|-------------------|---------------------------|----------------------------|
| 11A | 5785 | 100 | 0.00 | 0.01 |
| 11N20 SISO | 5785 | 100 | 0.00 | 0.01 |
| 11N40 SISO | 5755 | 100 | 0.00 | 0.01 |
| 11AC20 SISO | 5785 | 100 | 0.00 | 0.01 |
| 11AC40 SISO | 5755 | 100 | 0.00 | 0.01 |
| 11AC80 SISO | 5775 | 100 | 0.00 | 0.01 |



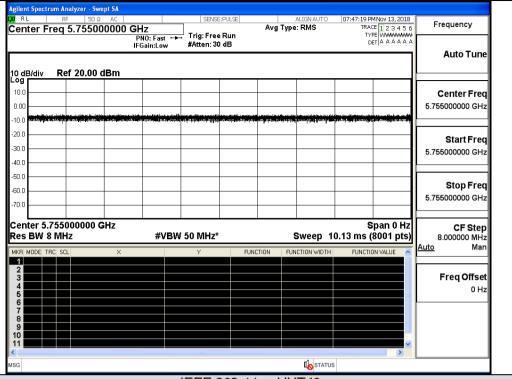


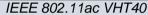


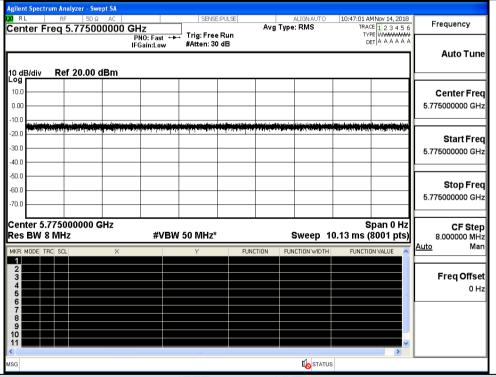




IEEE 802.11ac VHT20







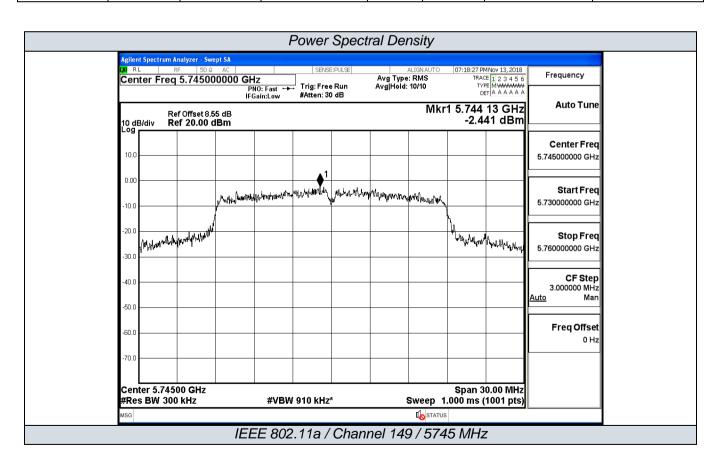
IEEE 802.11ac VHT80

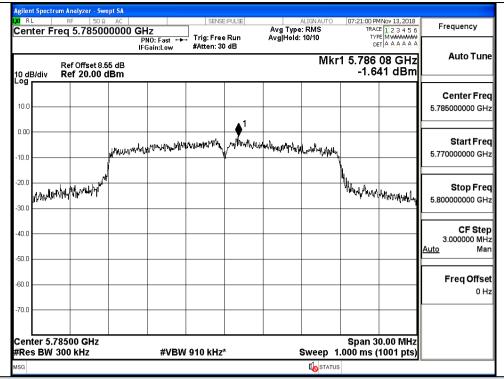
B.2 Maximum Conduct Output Power

| Test Mode | Channel | Frequency (MHz) | AVG Conducted Power (dBm) | Duty Cycle Factor (dB) | Report Conducted Power (dBm) | Limit (dBm) |
|-------------|------------------------|--|---------------------------------|------------------------------|------------------------------------|----------------|
| | 149 | 5745 | 11.42 | 0 | 11.42 | |
| 11A | 157 | 5785 | 11.44 | 0 | 11.44 | 30 |
| | 165 | 157 5785 11.44 0 11.44 30 165 5825 11.50 0 11.50 149 5745 11.45 0 11.45 157 5785 11.11 0 11.11 30 165 5825 11.29 0 11.29 151 5755 11.87 0 11.87 159 5795 11.88 0 11.88 | | | | |
| | 149 | 5745 | 11.45 | 0 | 11.45 | |
| 11N20 SISO | 157 | 5785 | 11.11 | 0 | 11.11 | 30 |
| | 165 5825 11.29 0 11.29 | | | | | |
| 11N40 SISO | 151 | 5755 | 11.87 | 0 | 11.87 | 20 |
| 111140 3130 | 159 | 5795 | 11.88 | 0 | 11.88 | 30 |
| | 149 | 5745 | 11.79 | 0 | 11.79 | |
| 11AC20 SISO | 157 | 5785 | 11.53 | 0 | 11.53 | 30 |
| | 165 | 5825 | 11.68 | 0 | 11.68 | |
| 11AC40 SISO | 151 | 5755 | 11.79 | 0 | 11.79 | 30 |
| 159 | 5795 | 11.96 | 0 | 11.96 | 30 | |
| 11AC80 SISO | 155 | 5775 | 9.85 | 0 | 9.85 | 30 |

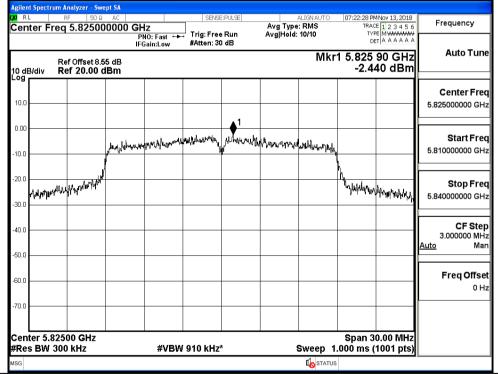
B.3 Power Spectral Density

| Test Mode | Channel | Frequency (MHz) | Power Density (dBm/300KHz) | Duty Cycle Factor (dB) | RBW Factor (dB) | Report Power Density (dBm/500KHz) | Limit (dBm/500KHz) |
|----------------|---------|--------------------|-------------------------------|---------------------------------|-----------------------|---|-----------------------|
| | 149 | 5745 | -2.441 | 0 | 2.218 | -0.223 | |
| 11A | 157 | 5785 | -1.641 | 0 | 2.218 | 0.577 | 30 |
| | 165 | 5825 | -2.440 | 0 | 2.218 | -0.222 | |
| 11N20 | 149 | 5745 | -2.252 | 0 | 2.218 | -0.034 | |
| SISO | 157 | 5785 | -2.802 | 0 | 2.218 | -0.584 | 30 |
| 3130 | 165 | 5825 | -2.913 | 0 | 2.218 | -0.695 | |
| 11N40 | 151 | 5755 | -5.251 | 0 | 2.218 | -3.033 | 30 |
| SISO | 159 | 5795 | -5.177 | 0 | 2.218 | -2.959 | 30 |
| 11AC20 | 149 | 5745 | -1.339 | 0 | 2.218 | 0.879 | |
| SISO | 157 | 5785 | -2.457 | 0 | 2.218 | -0.239 | 30 |
| 3130 | 165 | 5825 | -2.349 | 0 | 2.218 | -0.131 | |
| 11AC40 | 151 | 5755 | -5.084 | 0 | 2.218 | -2.866 | 30 |
| SISO | 159 | 5795 | -5.088 | 0 | 2.218 | -2.870 | 30 |
| 11AC80 SISO | 155 | 5775 | -11.445 | 0 | 2.218 | -9.227 | 30 |

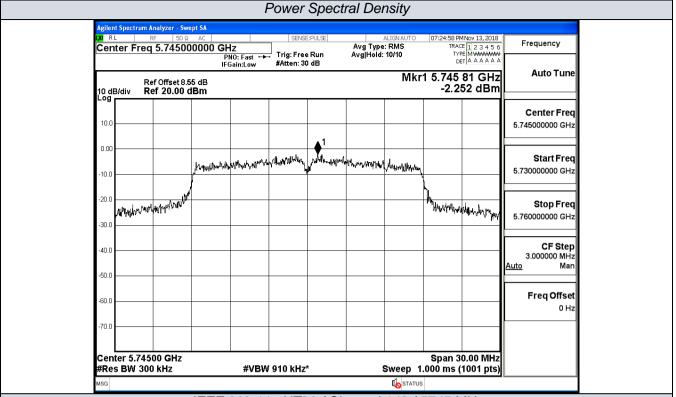




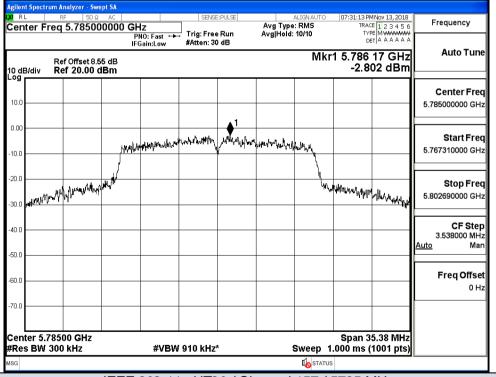
IEEE 802.11a / Channel 157 / 5785 MHz

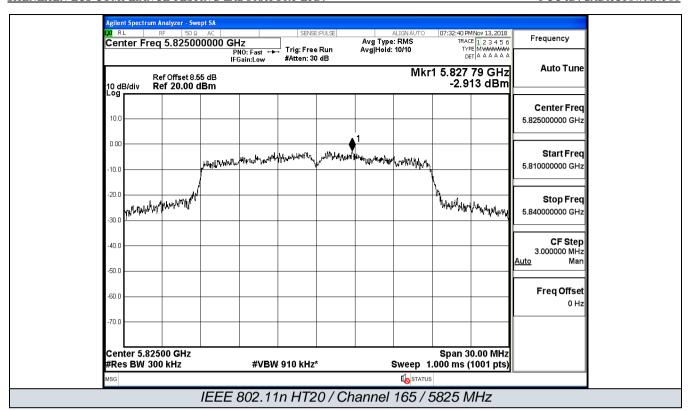


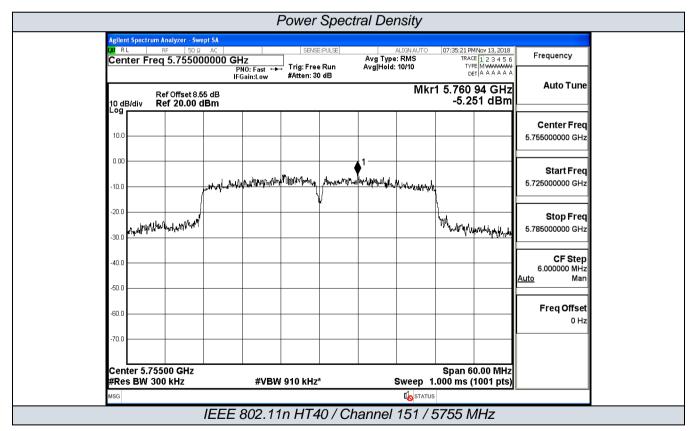
IEEE 802.11a / Channel 165 / 5825 MHz

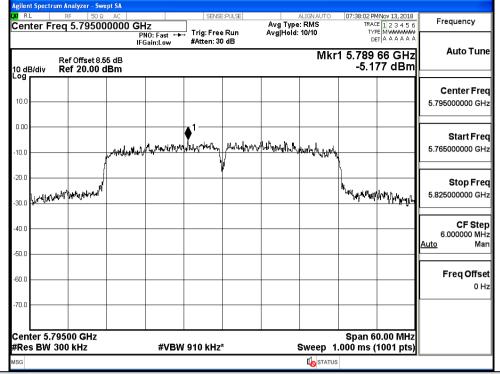




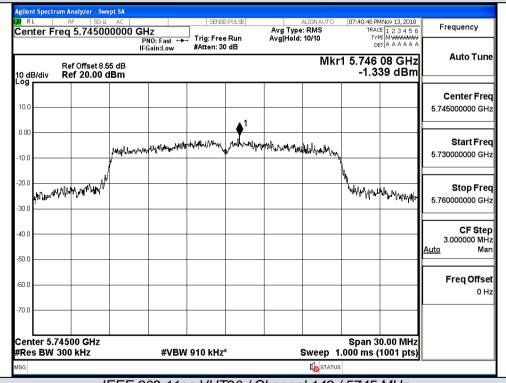




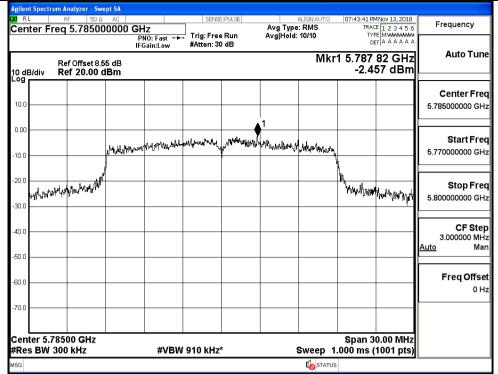




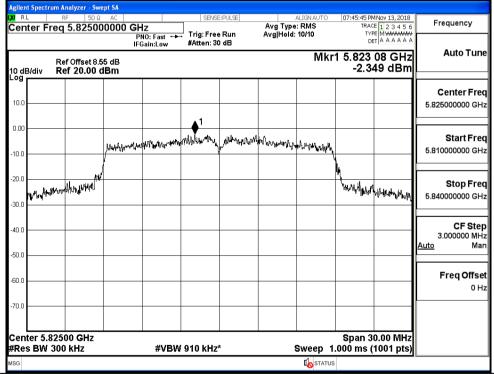
IEEE 802.11n HT40 / Channel 159 / 5795 MHz



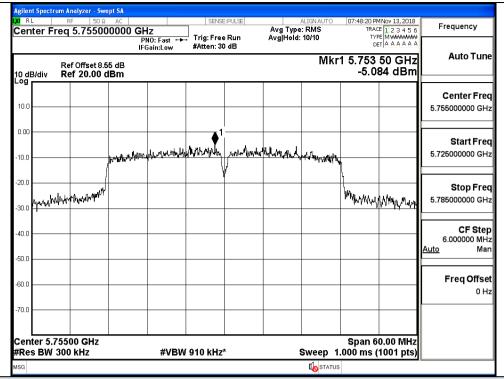
IEEE 802.11ac VHT20 / Channel 149 / 5745 MHz



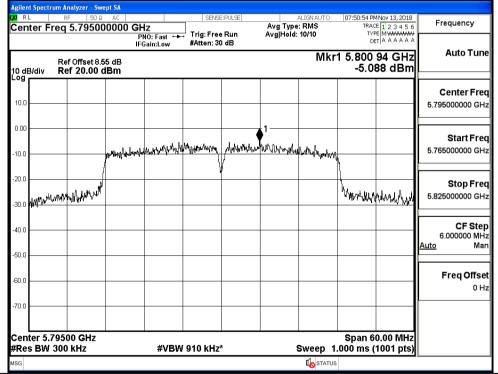
IEEE 802.11ac VHT20 / Channel 157 / 5785 MHz



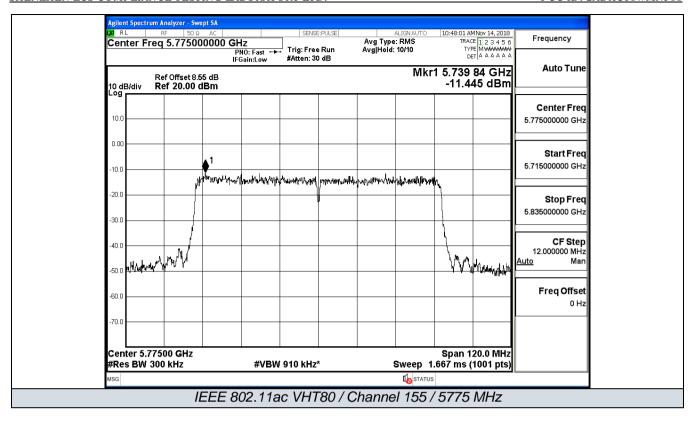
IEEE 802.11ac VHT20 / Channel 165 / 5825 MHz



IEEE 802.11ac VHT40 / Channel 151 / 5755 MHz

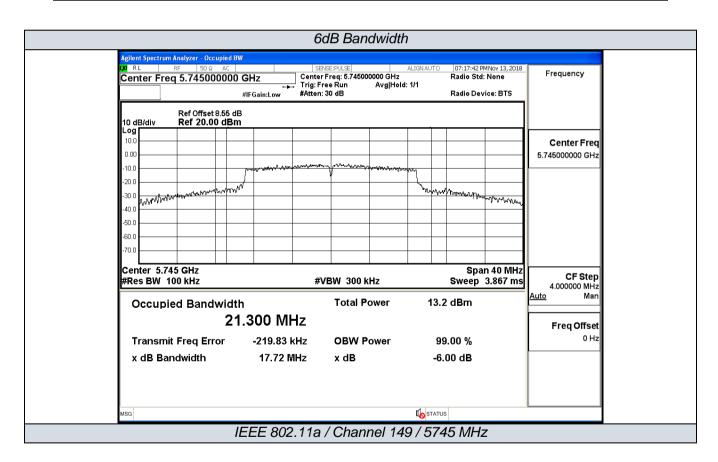


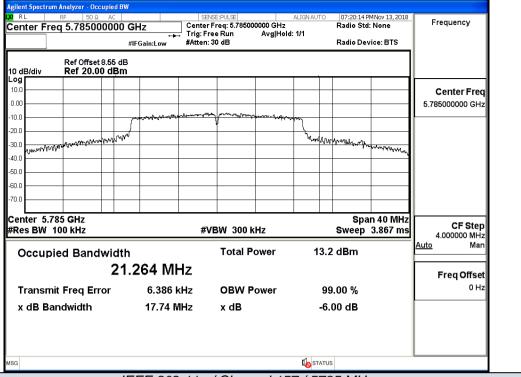
IEEE 802.11ac VHT40 / Channel 159 / 5795 MHz



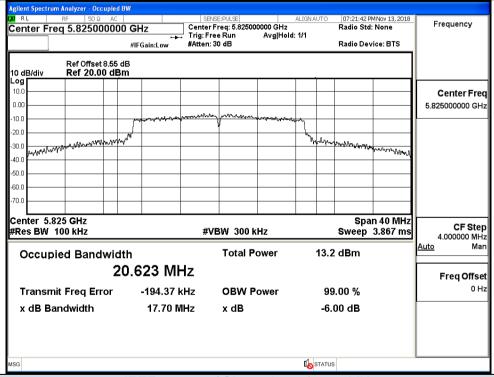
B.4 Emission Bandwidth

| Test Mode | Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) | |
|-------------|---------|--------------------|------------------------|----------------|--|
| | 149 | 5745 | 17.720 | | |
| 11A | 157 | 5785 | 17.740 | >=0.5 | |
| | 165 | 5825 | 17.700 | | |
| | 149 | 5745 | 17.700 | | |
| 11N20 SISO | 157 | 5785 | 17.690 | >=0.5 | |
| | 165 | 5825 | 17.680 | | |
| 11N40 SISO | 151 | 5755 | 36.450 | >=0.5 | |
| 111140 3130 | 159 | 5795 | 36.400 | >=0.5 | |
| | 149 | 5745 | 17.670 | | |
| 11AC20SISO | 157 | 5785 | 17.710 | >=0.5 | |
| | 165 | 5825 | 17.710 | | |
| 11AC40SISO | 151 | 5755 | 36.430 | >=0.5 | |
| 1140403130 | 159 | 5795 | 36.440 | >=0.5 | |
| 11AC80SISO | 155 | 5775 | 76.440 | >=0.5 | |

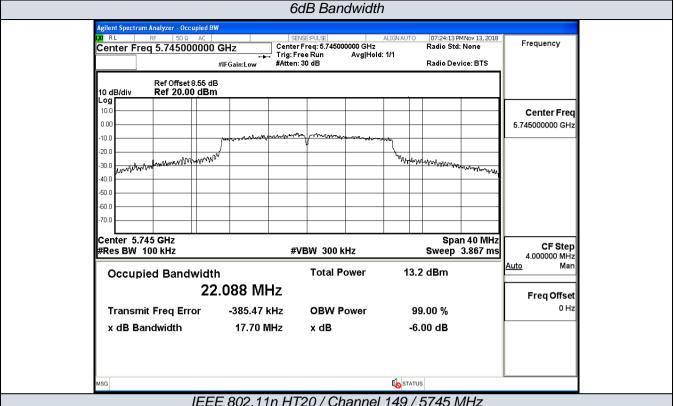




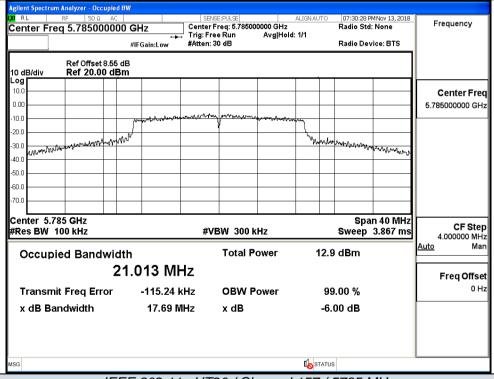
IEEE 802.11a / Channel 157 / 5785 MHz



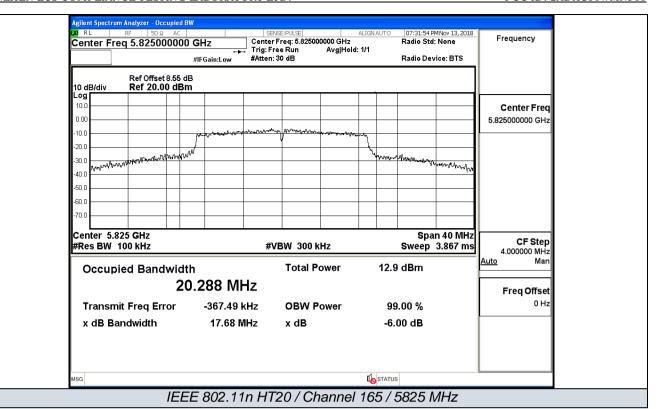
IEEE 802.11a / Channel 165 / 5825 MHz

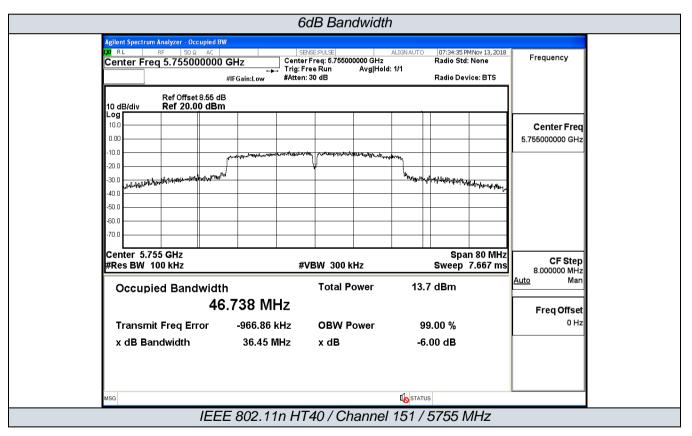


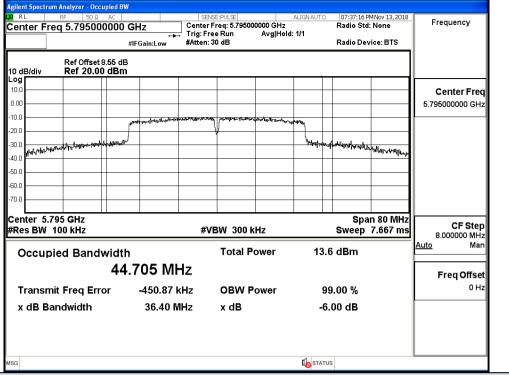
IEEE 802.11n HT20 / Channel 149 / 5745 MHz



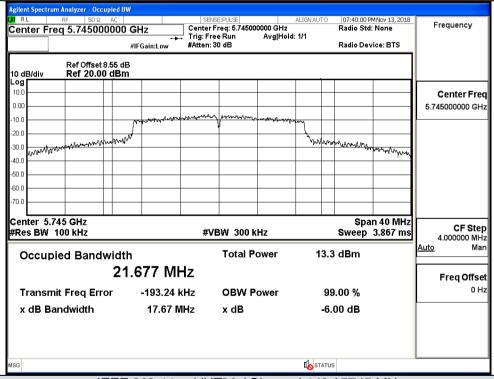
IEEE 802.11n HT20 / Channel 157 / 5785 MHz



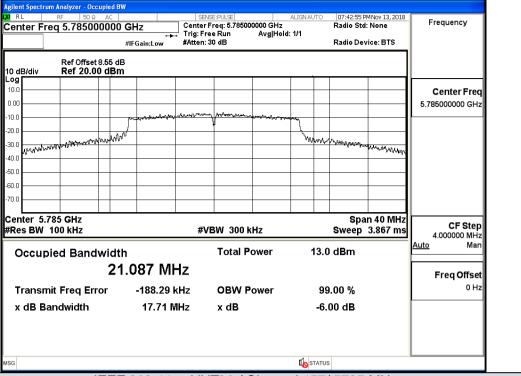




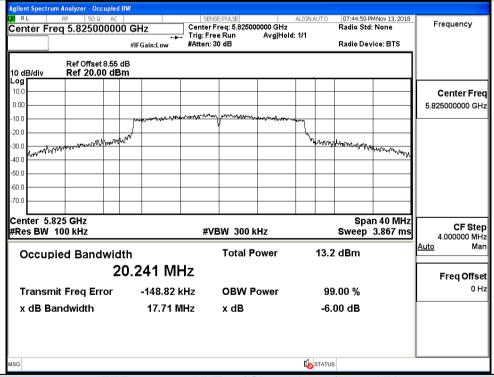
IEEE 802.11n HT40 / Channel 159 / 5795 MHz



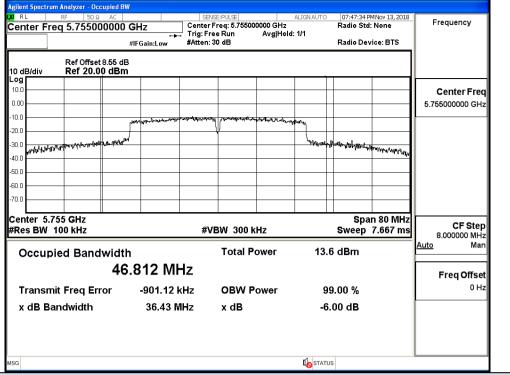
IEEE 802.11ac VHT20 / Channel 149 / 5745 MHz



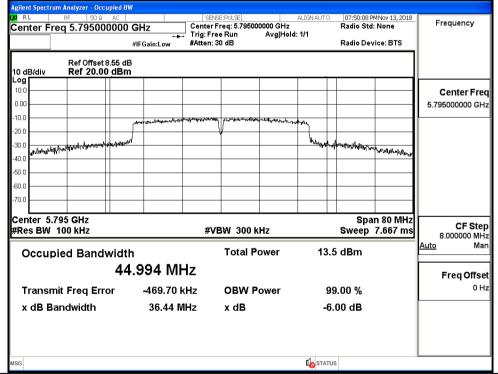
IEEE 802.11ac VHT20 / Channel 157/5785 MHz



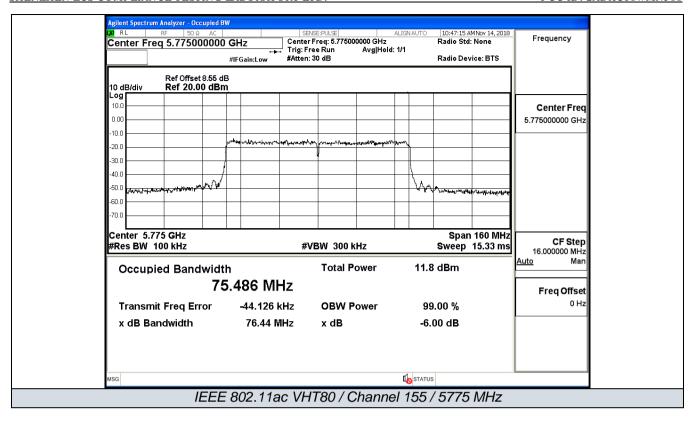
IEEE 802.11ac VHT20 / Channel 165 / 5825 MHz



IEEE 802.11ac VHT40 / Channel 151 / 5755 MHz



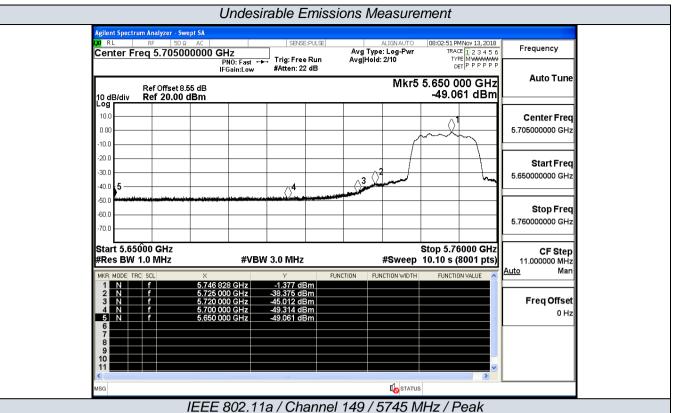
IEEE 802.11ac VHT40 / Channel 159 / 5795 MHz

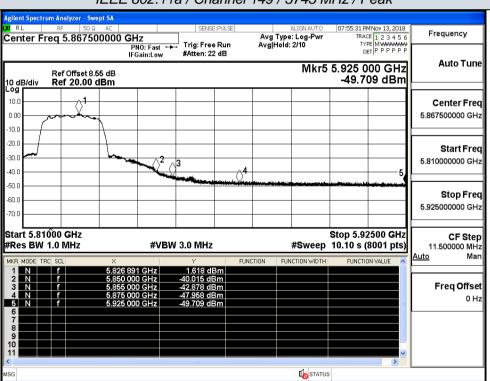


B.5 Undesirable Emissions Measurement

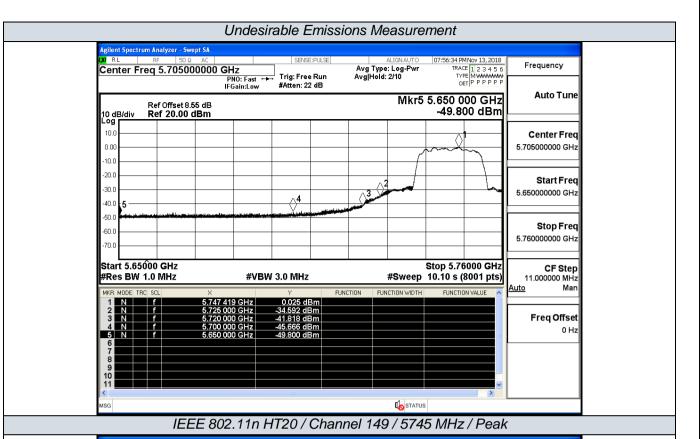
| Test Mode | Channel | Frequency (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | EIRP (dBm/MHz) | Detector | Limit (dBm/MHz) |
|--------------|---------|--------------------|-----------------------------|--------------------------|-------------------|----------|--------------------|
| | 149 | 5650.0 | -49.061 | 2.00 | -47.061 | Peak | -27.0 |
| | | 5700.0 | -49.314 | 2.00 | -47.314 | Peak | 10.0 |
| | | 5720.0 | -45.012 | 2.00 | -43.012 | Peak | 15.6 |
| 11A | 5725.0 | -38.375 | 2.00 | -36.375 | Peak | 27.0 | |
| | 5850.0 | -40.015 | 2.00 | -38.015 | Peak | 27.0 | |
| | 165 | 5855.0 | -42.878 | 2.00 | -40.878 | Peak | 15.6 |
| | | 5875.0 | -47.958 | 2.00 | -45.958 | Peak | 10.0 |
| | | 5925.0 | -49.709 | 2.00 | -47.709 | Peak | -27.0 |
| | | 5650.0 | -49.800 | 2.00 | -47.800 | Peak | -27.0 |
| | 149 | 5700.0 | -45.666 | 2.00 | -43.666 | Peak | 10.0 |
| | 149 | 5720.0 | -41.818 | 2.00 | -39.818 | Peak | 15.6 |
| 11N20 | 5725.0 | -34.592 | 2.00 | -32.592 | Peak | 27.0 | |
| SISO | | 5850.0 | -29.617 | 2.00 | -27.617 | Peak | 27.0 |
| | 165 | 5855.0 | -31.907 | 2.00 | -29.907 | Peak | 15.6 |
| | | 5875.0 | -48.270 | 2.00 | -46.270 | Peak | 10.0 |
| | | 5925.0 | -49.955 | 2.00 | -47.955 | Peak | -27.0 |
| | | 5650.0 | -48.612 | 2.00 | -46.612 | Peak | -27.0 |
| | 151 | 5700.0 | -44.452 | 2.00 | -42.452 | Peak | 10.0 |
| | 151 | 5720.0 | -34.659 | 2.00 | -32.659 | Peak | 15.6 |
| 11N40 | | 5725.0 | -33.858 | 2.00 | -31.858 | Peak | 27.0 |
| SISO | | 5850.0 | -34.824 | 2.00 | -32.824 | Peak | 27.0 |
| | 159 | 5855.0 | -36.725 | 2.00 | -34.725 | Peak | 15.6 |
| | 100 | 5875.0 | -45.708 | 2.00 | -43.708 | Peak | 10.0 |
| | | 5925.0 | -50.049 | 2.00 | -48.049 | Peak | -27.0 |
| | | 5650.0 | -50.113 | 2.00 | -48.113 | Peak | -27.0 |
| | 149 | 5700.0 | -48.127 | 2.00 | -46.127 | Peak | 10.0 |
| | 110 | 5720.0 | -40.736 | 2.00 | -38.736 | Peak | 15.6 |
| 11AC20 | | 5725.0 | -35.093 | 2.00 | -33.093 | Peak | 27.0 |
| SISO | | 5850.0 | -29.149 | 2.00 | -27.149 | Peak | 27.0 |
| | 165 | 5855.0 | -32.835 | 2.00 | -30.835 | Peak | 15.6 |
| | | 5875.0 | -46.890 | 2.00 | -44.890 | Peak | 10.0 |
| | | 5925.0 | -50.093 | 2.00 | -48.093 | Peak | -27.0 |
| | | 5650.0 | -48.566 | 2.00 | -46.566 | Peak | -27.0 |
| | 151 | 5700.0 | -44.073 | 2.00 | -42.073 | Peak | 10.0 |
| | | 5720.0 | -35.681 | 2.00 | -33.681 | Peak | 15.6 |
| 11AC40 | | 5725.0 | -34.447 | 2.00 | -32.447 | Peak | 27.0 |
| SISO | | 5850.0 | -35.021 | 2.00 | -33.021 | Peak | 27.0 |
| | 159 | 5855.0 | -37.631 | 2.00 | -35.631 | Peak | 15.6 |
| | | 5875.0 | -45.365 | 2.00 | -43.365 | Peak | 10.0 |
| | | 5925.0 | -50.178 | 2.00 | -48.178 | Peak | -27.0 |
| | | 5650.0 | -51.610 | 2.00 | -49.610 | Peak | -27.0 |
| 11AC80 | | 5700.0 | -44.021 | 2.00 | -42.021 | Peak | 10.0 |
| SISO | 155 | 5720.0 | -42.765 | 2.00 | -40.765 | Peak | 15.6 |
| - | | 5725.0 | -40.463 | 2.00 | -38.463 | Peak | 27.0 |
| | | 5850.0 | -46.626 | 2.00 | -44.626 | Peak | 27.0 |

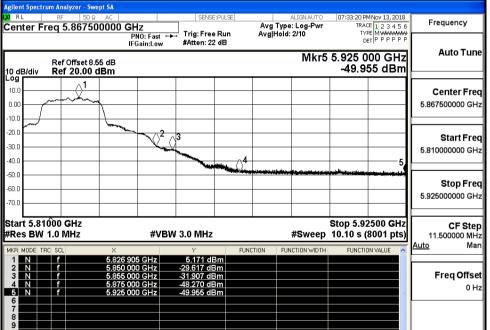
| EN LCS COMPLIANCE | TESTING LABOR | RATORY LTD. | | | FCC ID: 2A | DXC18WMN |
|-------------------|---------------|-------------|------|---------|------------|----------|
| | 5855.0 | -47.387 | 2.00 | -45.387 | Peak | 15.6 |
| | 5875.0 | -49.099 | 2.00 | -47.099 | Peak | 10.0 |
| | 5925.0 | -49.572 | 2.00 | -47.572 | Peak | -27.0 |
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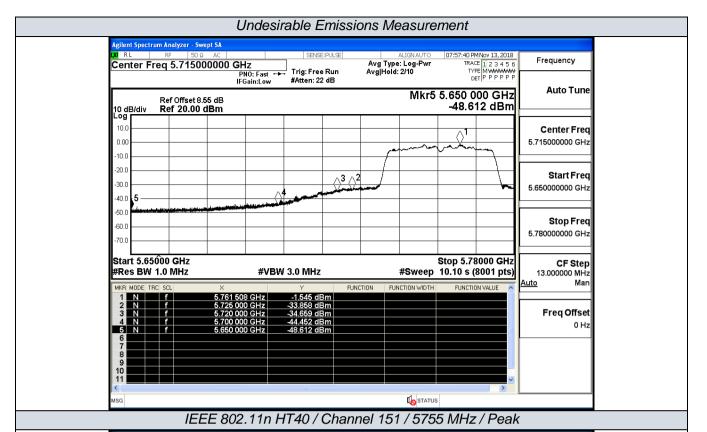


IEEE 802.11a / Channel 165 / 5825 MHz / Peak



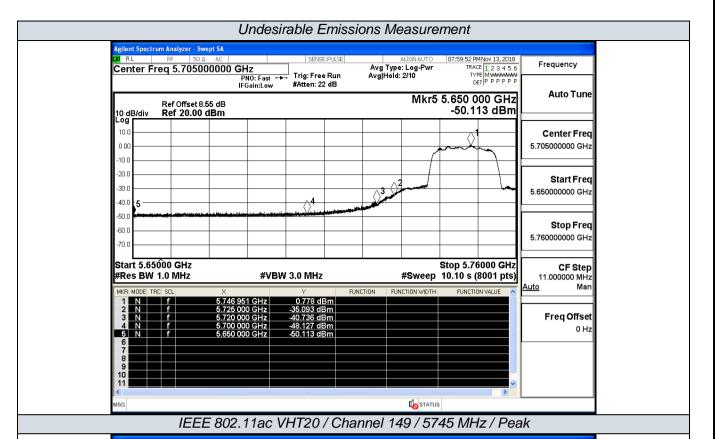


IEEE 802.11n HT20 / Channel 165 / 5825 MHz / Peak



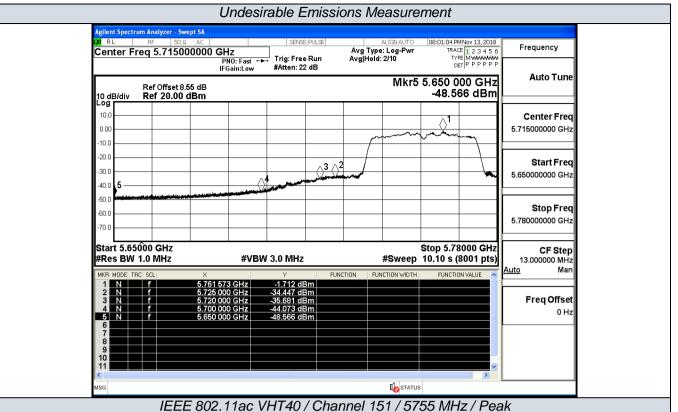


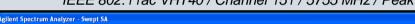
IEEE 802.11n HT40 / Channel 159 / 5795 MHz / Peak

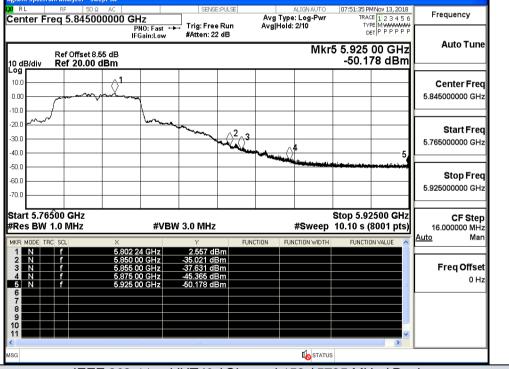




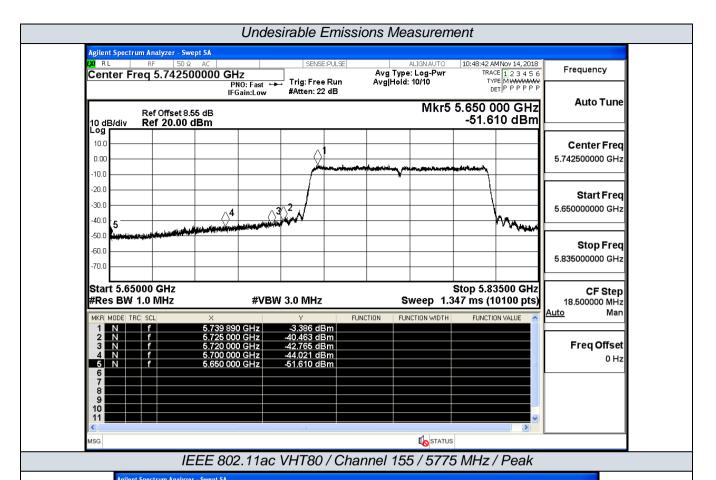
IEEE 802.11ac VHT20 / Channel 165 / 5825 MHz / Peak

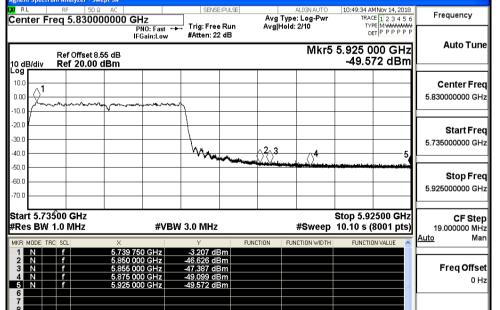






IEEE 802.11ac VHT40 / Channel 159 / 5795 MHz / Peak





Page 29 of 29

IEEE 802.11ac VHT80 / Channel 155 / 5775 MHz / Peak