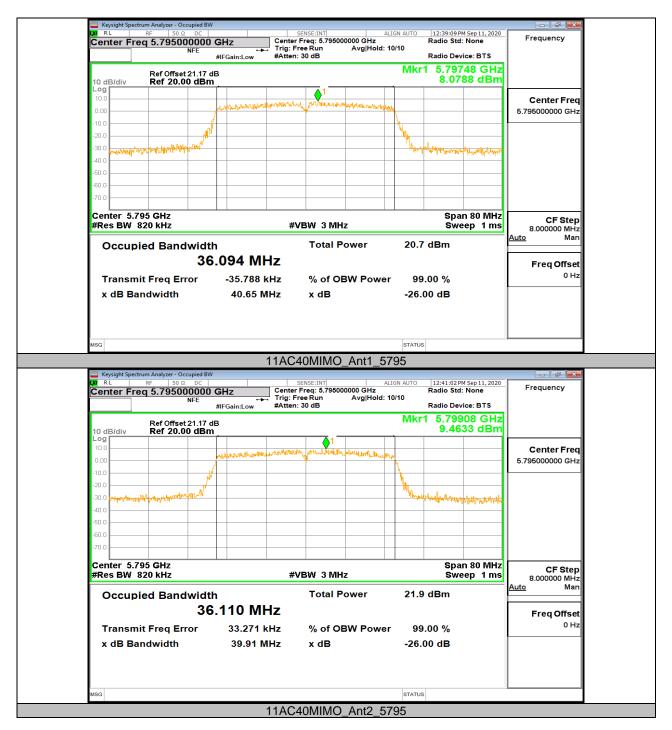
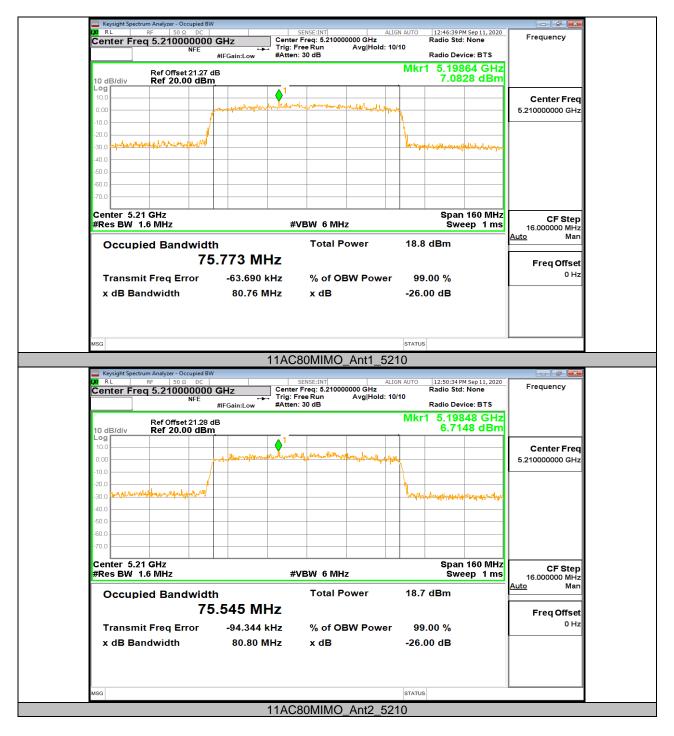


Page 329 of 415





Page 330 of 415

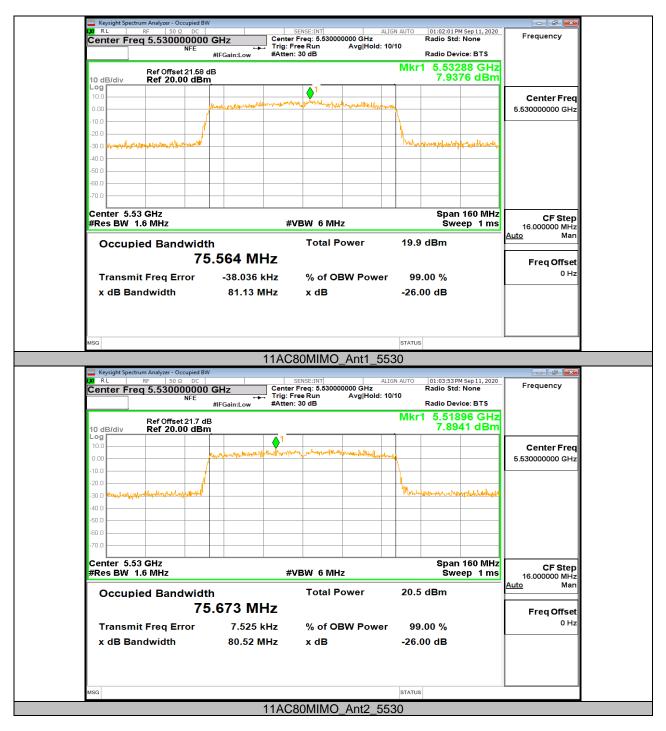




12:57:51 PM Sep 11, 2020 Radio Std: None | SENSE:INT| ALIGN A
| Center Freq: 5.29000000 GHz
| Trig: Free Run Avg|Hold: 10/10 |
#Atten: 30 dB Frequency Center Freg 5.290000000 GHz Radio Device: BTS 5.2916 GHz Ref Offset 21.27 dB Ref 20.00 dBm 9.8303 dBm 10 dB/div Center Fred 5.290000000 GHz Center 5.29 GHz #Res BW 1.6 MHz Span 160 MHz CF Step 16.000000 MHz #VBW 6 MHz Sweep 1 ms Mar Occupied Bandwidth **Total Power** 22.6 dBm 75.179 MHz Freq Offset 0 Hz Transmit Freq Error -179.98 kHz % of OBW Power 99.00 % x dB Bandwidth 81.31 MHz -26.00 dB STATUS 11AC80MIMO Ant1\_5290 12:59:56 PM Sep 11, 2020 Radio Std: None Center Freq: 5.290000000 GHz
Trig: Free Run Avg|Hol
#Atten: 30 dB Frequency Center Freq 5.290000000 GHz Avg|Hold: 10/10 #IFGain:Low Radio Device: BTS 5.29448 GHz Ref Offset 21.26 dB Ref 20.00 dBm 10.937 dBm 0 dB/div Center Freq 5.290000000 GHz Center 5.29 GHz Span 160 MHz CF Step #Res BW 1.6 MHz #VBW 6 MHz Sweep 1 ms 16.000000 MHz Total Power 22.6 dBm Occupied Bandwidth 75.253 MHz Freq Offset 0 Hz **Transmit Freq Error** -110.19 kHz % of OBW Power 99.00 % x dB Bandwidth 80.82 MHz -26.00 dB x dB STATUS 11AC80MIMO Ant2 5290

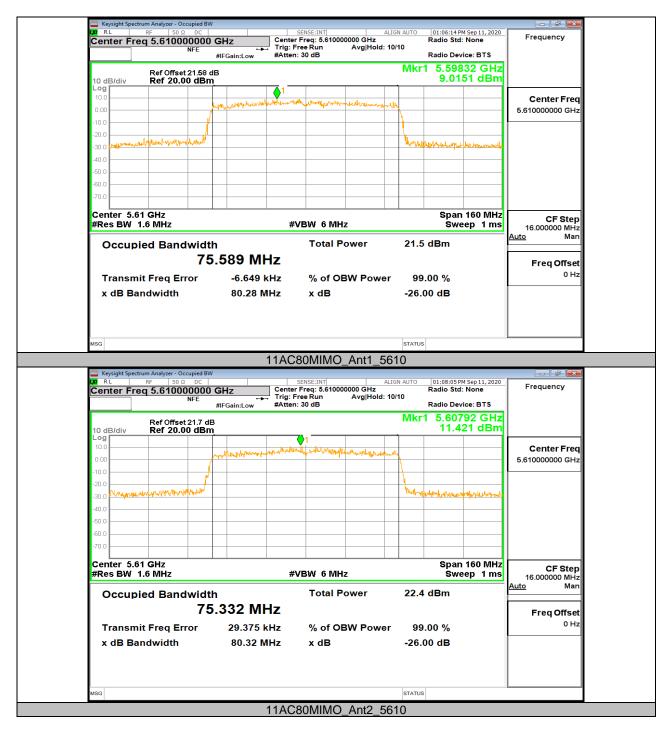


Page 332 of 415





Page 333 of 415





Center 5.69 GHz

#Res BW 1.6 MHz

Occupied Bandwidth

**Transmit Freq Error** 

x dB Bandwidth

75.645 MHz

-106.22 kHz

81.12 MHz

SENSE:INT ALIGN AUT
Center Freq: 5.690000000 GHz
Trig: Free Run Avg|Hold: 10/10
#Atten: 30 dB 01:28:59 PM Sep 11, 2020 Radio Std: None Frequency Center Freg 5.690000000 GHz Radio Device: BTS 5.6812 GHz Ref Offset 21.38 dB Ref 20.00 dBm 9.9302 dBm 10 dB/div Center Freq 5.690000000 GHz Center 5.69 GHz #Res BW 1.6 MHz Span 160 MHz CF Step 16.000000 MHz #VBW 6 MHz Sweep 1 ms Mar Occupied Bandwidth **Total Power** 21.9 dBm 75.534 MHz Freq Offset 0 Hz Transmit Freq Error -68.483 kHz % of OBW Power 99.00 % x dB Bandwidth 80.63 MHz -26.00 dB STATUS 11AC80MIMO Ant1\_5690 01:32:05 PM Sep 11, 2020 Radio Std: None Center Freq: 5.690000000 GHz
Trig: Free Run Avg|Hol
#Atten: 30 dB Frequency Center Freq 5.690000000 GHz Avg|Hold: 10/10 #IFGain:Low Radio Device: BTS Mkr1 5.69256 GHz Ref Offset 21.41 dB Ref 20.00 dBm 10.621 dBm 0 dB/div Center Freq 5.690000000 GHz

#VBW 6 MHz

x dB

Total Power

11AC80MIMO Ant2 5690

% of OBW Power

Span 160 MHz

22.4 dBm

99.00 %

-26.00 dB

STATUS

Sweep 1 ms

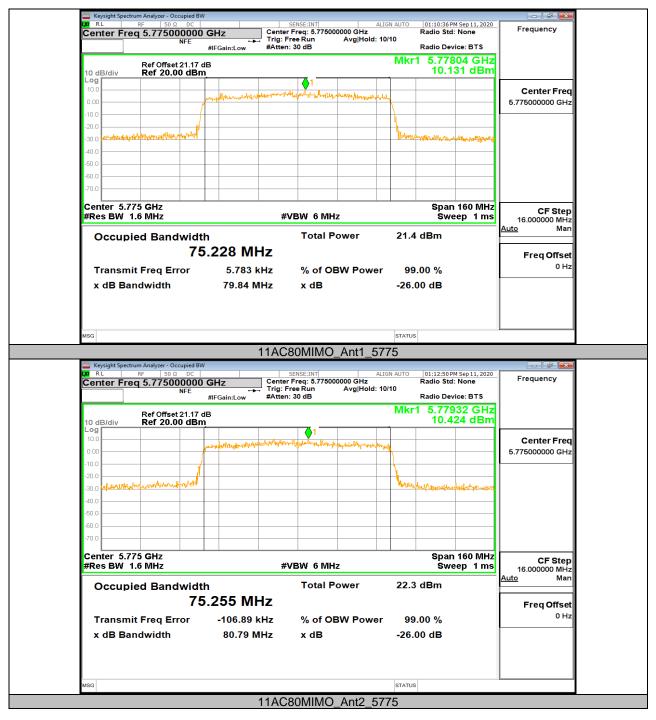
CF Step

16.000000 MHz

Freq Offset 0 Hz



Page 335 of 415





## Appendix A3: Min emission bandwidth Test Result

| Test Mode    | Antenna | Channel          | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz]                              | Verdict |
|--------------|---------|------------------|---------------|----------|----------|---|---------|
|              | Ant1    | 5720             | 16.440        | 5711.760 | 5728.200 | 0.5                                     | PASS    |
|              | Ant2    | 5720             | 16.400        | 5711.760 | 5728.160 | 0.5                                     | PASS    |
|              | Ant1    | 5720_UNII-<br>2C | 13.24         | 5711.760 | 5725     | 0.5                                     | PASS    |
|              | Ant2    | 5720_UNII-<br>2C | 13.24         | 5711.760 | 5725     | 0.5                                     | PASS    |
| 11A          | Ant1    | 5720_UNII-<br>3  | 3.2           | 5725     | 5728.200 | 0.5                                     | PASS    |
| HA           | Ant2    | 5720_UNII-<br>3  | 3.16          | 5725     | 5728.160 | 0.5                                     | PASS    |
|              | Ant1    | 5745             | 16.160        | 5736.800 | 5752.960 |   | PASS    |
|              | Ant2    | 5745             | 16.360        | 5736.800 | 5753.160 |   | PASS    |
|              | Ant1    | 5785             | 16.400        | 5776.800 | 5793.200 |   | PASS    |
|              | Ant2    | 5785             | 16.400        | 5776.800 | 5793.200 |   | PASS    |
|              | Ant1    | 5825             | 16.400        | 5816.800 | 5833.200 |   | PASS    |
|              | Ant2    | 5825             | 16.120        | 5817.040 | 5833.160 |   | PASS    |
|              | Ant1    | 5720             | 17.640        | 5711.120 | 5728.760 | 0.5                                     | PASS    |
|              | Ant2    | 5720             | 17.000        | 5711.160 | 5728.160 | 0.5<br>0.5<br>0.5<br>0.5                | PASS    |
|              | Ant1    | 5720_UNII-<br>2C | 13.88         | 5711.120 | 5725     | 0.5                                     | PASS    |
|              | Ant2    | 5720_UNII-<br>2C | 13.84         | 5711.160 | 5725     | 0.5                                     | PASS    |
| 441120141140 | Ant1    | 5720_UNII-<br>3  | 3.76          | 5725     | 5728.760 | 0.5                                     | PASS    |
| 11N20MIMO    | Ant2    | 5720_UNII-<br>3  | 3.16          | 5725     | 5728.160 | 0.5                                     | PASS    |
|              | Ant1    | 5745             | 17.600        | 5736.200 | 5753.800 | 0.5                                     | PASS    |
|              | Ant2    | 5745             | 17.360        | 5736.440 | 5753.800 | 0.5                                     | PASS    |
|              | Ant1    | 5785             | 17.640        | 5776.160 | 5793.800 | 0.5                                     | PASS    |
|              | Ant2    | 5785             | 17.520        | 5776.160 | 5793.680 | 0.5                                     | PASS    |
|              | Ant1    | 5825             | 17.680        | 5816.160 | 5833.840 | 0.5                                     | PASS    |
|              | Ant2    | 5825             | 17.600        | 5816.200 | 5833.800 | 0.5                                     | PASS    |
|              | Ant1    | 5710             | 35.280        | 5692.320 | 5727.600 | 0.5                                     | PASS    |
|              | Ant2    | 5710             | 35.440        | 5692.080 | 5727.520 | 0.5                                     | PASS    |
|              | Ant1    | 5710_UNII-<br>2C | 32.68         | 5692.320 | 5725     | 0.5                                     | PASS    |
|              | Ant2    | 5710_UNII-<br>2C | 32.92         | 5692.080 | 5725     | 0.5                                     | PASS    |
| 11N40MIMO    | Ant1    | 5710_UNII-<br>3  | 2.6           | 5725     | 5727.600 | 0.5                                     | PASS    |
|              | Ant2    | 5710_UNII-<br>3  | 2.52          | 5725     | 5727.520 | 0.5                                     | PASS    |
|              | Ant1    | 5755             | 35.200        | 5737.400 | 5772.600 | 0.5                                     | PASS    |
|              | Ant2    | 5755             | 35.200        | 5737.400 | 5772.600 |   | PASS    |
|              | Ant1    | 5795             | 36.400        | 5776.760 | 5813.160 |   | PASS    |
|              | Ant2    | 5795             | 36.160        | 5777.000 | 5813.160 |   | PASS    |
|              | Ant1    | 5720             | 17.160        | 5711.400 | 5728.560 |   | PASS    |
|              | Ant2    | 5720             | 17.680        | 5711.120 | 5728.800 |   | PASS    |
| 11AC20MIMO   | Ant1    | 5720_UNII-<br>2C | 13.6          | 5711.400 | 5725     |   | PASS    |
|              | Ant2    | 5720_UNII-<br>2C | 13.88         | 5711.120 | 5725     | 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 | PASS    |



REPORT NO.: 4789609364.2-6

Page 337 of 415

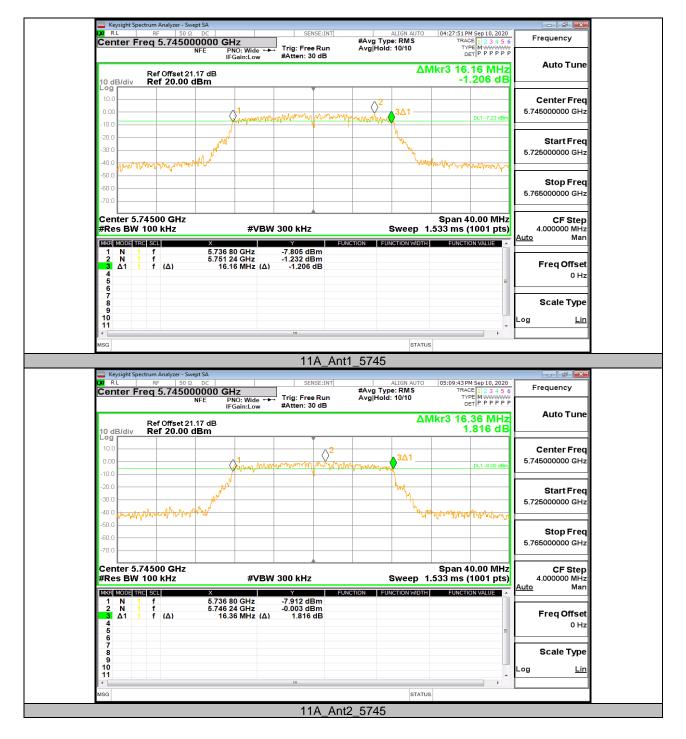
|            | Ant1 | 5720_UNII-<br>3  | 3.56   | 5725     | 5728.560 | 0.5 | PASS |
|------------|------|------------------|--------|----------|----------|-----|------|
|            | Ant2 | 5720_UNII-<br>3  | 3.8    | 5725     | 5728.800 | 0.5 | PASS |
|            | Ant1 | 5745             | 16.760 | 5737.000 | 5753.760 | 0.5 | PASS |
|            | Ant2 | 5745             | 17.400 | 5736.120 | 5753.520 | 0.5 | PASS |
|            | Ant1 | 5785             | 17.440 | 5776.280 | 5793.720 | 0.5 | PASS |
|            | Ant2 | 5785             | 17.680 | 5776.120 | 5793.800 | 0.5 | PASS |
|            | Ant1 | 5825             | 16.720 | 5816.480 | 5833.200 | 0.5 | PASS |
|            | Ant2 | 5825             | 17.600 | 5816.160 | 5833.760 | 0.5 | PASS |
|            | Ant1 | 5710             | 35.200 | 5692.320 | 5727.520 | 0.5 | PASS |
|            | Ant2 | 5710             | 35.280 | 5692.320 | 5727.600 | 0.5 | PASS |
|            | Ant1 | 5710_UNII-<br>2C | 32.68  | 5692.320 | 5725     | 0.5 | PASS |
|            | Ant2 | 5710_UNII-<br>2C | 32.68  | 5692.320 | 5725     | 0.5 | PASS |
| 11AC40MIMO | Ant1 | 5710_UNII-<br>3  | 2.52   | 5725     | 5727.520 | 0.5 | PASS |
|            | Ant2 | 5710_UNII-<br>3  | 2.6    | 5725     | 5727.600 | 0.5 | PASS |
|            | Ant1 | 5755             | 35.200 | 5737.400 | 5772.600 | 0.5 | PASS |
|            | Ant2 | 5755             | 35.280 | 5737.320 | 5772.600 | 0.5 | PASS |
|            | Ant1 | 5795             | 35.200 | 5777.320 | 5812.520 | 0.5 | PASS |
|            | Ant2 | 5795             | 35.280 | 5777.320 | 5812.600 | 0.5 | PASS |
|            | Ant1 | 5690             | 75.360 | 5652.240 | 5727.600 | 0.5 | PASS |
|            | Ant2 | 5690             | 75.360 | 5652.240 | 5727.600 | 0.5 | PASS |
|            | Ant1 | 5690_UNII-<br>2C | 72.76  | 5652.240 | 5725     | 0.5 | PASS |
| 11AC80MIMO | Ant2 | 5690_UNII-<br>2C | 72.76  | 5652.240 | 5725     | 0.5 | PASS |
|            | Ant1 | 5690_UNII-<br>3  | 2.6    | 5725     | 5727.600 | 0.5 | PASS |
|            | Ant2 | 5690_UNII-<br>3  | 2.6    | 5725     | 5727.600 | 0.5 | PASS |
|            | Ant1 | 5775             | 74.080 | 5738.520 | 5812.600 | 0.5 | PASS |
|            | Ant2 | 5775             | 74.240 | 5737.240 | 5811.480 | 0.5 | PASS |



## **Test Graphs**









04:30:48 PM Sep 10, 2020 #Avg Type: RMS Avg|Hold: 10/10 Frequency Trig: Free Run #Atten: 30 dB TYPE M WWWW ΔMkr3 16.40 MHz 0.296 dB **Auto Tune** Ref Offset 21.17 dB Ref 20.00 dBm Center Freq  $\Diamond$ 5.785000000 GHz DL1 -7.90 dE Start Freq 5.765000000 GHz արհահահ<sub>ա</sub>հ Stop Freq 5.805000000 GHz Span 40.00 MHz Sweep 1.533 ms (1001 pts) Center 5.78500 GHz #Res BW 100 kHz **CF Step** 4.000000 MHz **#VBW** 300 kHz Man MKR MODE TRC SCL -9.526 dBm -1.901 dBm 0.296 dB Freq Offset 0 Hz Scale Type Lin STATUS 11A\_Ant1\_5785 Center Freq 5.785000000 GHz

NFE PNO: Wide IFGain:Low #Avg Type: RMS Avg|Hold: 10/10 Frequency Trig: Free Run #Atten: 30 dB Auto Tune ΔMkr3 16.40 MHz Ref Offset 21.17 dB Ref 20.00 dBm -0.655 dB Center Freq 5.785000000 GHz Start Freq 5.765000000 GHz Stop Freq 5.805000000 GHz Center 5.78500 GHz Span 40.00 MHz **CF Step** 4.000000 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 1.533 ms (1001 pts) -7.787 dBm -1.196 dBm -0.655 dB 5.776 80 GHz 5.785 64 GHz 16.40 MHz (Δ) Ν Ν Δ1 f f (Δ) Freq Offset 0 Hz Scale Type .og STATUS 11A Ant2 5785







01:52:50 PM Sep 11, 2020 #Avg Type: RMS Avg|Hold: 10/10 Frequency TYPE M WWWW **Auto Tune** ΔMkr3 17.64 MHz Ref Offset 21.38 dB Ref 20.00 dBm 0.281 dB Center Freq 5.720000000 GHz DL1 -4.64 dE Start Freq 5.700000000 GHz Whathallayllarchaoim Stop Freq 5.740000000 GHz Span 40.00 MHz Sweep 1.533 ms (1001 pts) Center 5.72000 GHz #Res BW 100 kHz **CF Step** 4.000000 MHz **#VBW** 300 kHz Man MKR MODE TRC SCL -6.025 dBm 1.355 dBm 0.281 dB Freq Offset 0 Hz Scale Type Lin STATUS 11N20MIMO\_Ant1\_5720 01:57:10 PM Sep 11, 2020 TRACE 1 2 3 4 5 6 Center Freq 5.720000000 GHz

NFE PNO: Wide IFGain:Low #Avg Type: RMS Avg|Hold: 10/10 Frequency Trig: Free Run #Atten: 30 dB Auto Tune ΔMkr3 17.00 MHz Ref Offset 21.41 dB Ref 20.00 dBm -0.125 dB Center Freq 5.720000000 GHz Start Freq 5.700000000 GHz Stop Freq 5.740000000 GHz Center 5.72000 GHz Span 40.00 MHz **CF Step** 4.000000 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 1.533 ms (1001 pts) -4.354 dBm 2.257 dBm -0.125 dB 5.711 16 GHz 5.719 32 GHz 17.00 MHz (Δ) Ν Ν Δ1 f f (Δ) Freq Offset 0 Hz Scale Type .og STATUS 11N20MIMO Ant2 5720







07:58:03 PM Sep 10, 2020 RL RF | 50 Ω DC |

Center Freq 5.785000000 GHz

NFE PNO: Wide →

IFGain:Low #Avg Type: RMS Avg|Hold: 10/10 Frequency TYPE M WWWW **Auto Tune** ΔMkr3 17.64 MHz Ref Offset 21.17 dB Ref 20.00 dBm 1.465 dB Center Freq 5.785000000 GHz DL1 -7.13 dE Start Freq 5.765000000 GHz Stop Freq 5.805000000 GHz Span 40.00 MHz Sweep 1.533 ms (1001 pts) Center 5.78500 GHz #Res BW 100 kHz **CF Step** 4.000000 MHz **#VBW** 300 kHz Man MKR MODE TRC SCL 5.776 16 GHz 5.781 84 GHz 17.64 MHz (Δ) -9.598 dBm -1.132 dBm 1.465 dB Freq Offset 0 Hz Scale Type Lin STATUS 11N20MIMO\_Ant1\_5785 07:58:26 PM Sep 10, 2020 TRACE 1 2 3 4 5 6 Center Freq 5.785000000 GHz

NFE PNO: Wide IFGain:Low #Avg Type: RMS Avg|Hold: 10/10 Frequency Trig: Free Run #Atten: 30 dB Auto Tune ΔMkr3 17.52 MHz Ref Offset 21.17 dB Ref 20.00 dBm 0.150 dB Center Freq 5.785000000 GHz Start Freq 5.765000000 GHz Stop Freq 5.805000000 GHz Center 5.78500 GHz Span 40.00 MHz **CF Step** 4.000000 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 1.533 ms (1001 pts) -6.776 dBm 0.029 dBm 0.150 dB 5.776 16 GHz 5.784 40 GHz 17.52 MHz (Δ) Ν Ν Δ1 f f (Δ) Freq Offset 0 Hz Scale Type .og STATUS 11N20MIMO Ant2 5785



07:54:30 PM Sep 10, 2020 RL RF 50Ω DC | Center Freq 5.825000000 GHz

NFE PNO: Wide → IFGain:Low #Avg Type: RMS Avg|Hold: 10/10 Frequency TYPE M WWWW **Auto Tune** ΔMkr3 17.68 MHz Ref Offset 21.17 dB Ref 20.00 dBm -1.530 dB Center Freq 5.825000000 GHz DL1 -5.97 dE Start Freq 5.805000000 GHz Stop Freq 5.845000000 GHz Span 40.00 MHz Sweep 1.533 ms (1001 pts) Center 5.82500 GHz #Res BW 100 kHz **CF Step** 4.000000 MHz **#VBW** 300 kHz Man MKR MODE TRC SCL -7.153 dBm 0.032 dBm -1.530 dB Freq Offset 0 Hz Scale Type Lin STATUS 11N20MIMO\_Ant1\_5825 07:56:17 PM Sep 10, 2020 TRACE 1 2 3 4 5 6 Center Freq 5.825000000 GHz

NFE PNO: Wide IFGain:Low #Avg Type: RMS Avg|Hold: 10/10 Frequency Trig: Free Run #Atten: 30 dB Auto Tune ΔMkr3 17.60 MHz Ref Offset 21.17 dB Ref 20.00 dBm 0.079 dB Center Freq 5.825000000 GHz Start Freq 5.805000000 GHz <sup>Վ</sup>ո/ի<sub>Դ</sub>Ն Stop Freq 5.845000000 GHz Center 5.82500 GHz Span 40.00 MHz **CF Step** 4.000000 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 1.533 ms (1001 pts) -3.554 dBm 2.682 dBm 0.079 dB 5.816 20 GHz 5.827 52 GHz 17.60 MHz (Δ) Ν Ν Δ1 f f (Δ) Freq Offset 0 Hz Scale Type .og STATUS

11N20MIMO Ant2 5825



02:11:31 PM Sep 11, 2020 #Avg Type: RMS Avg|Hold: 10/10 Frequency TYPE M WWWW **Auto Tune** ΔMkr3 35.28 MHz Ref Offset 21.38 dB Ref 20.00 dBm -1.116 dB Center Freq **∆**3∆1 5.710000000 GHz Start Freq 5.670000000 GHz Stop Freq 5.750000000 GHz Span 80.00 MHz Sweep 3.000 ms (1001 pts) Center 5.71000 GHz #Res BW 100 kHz **CF Step** 8.000000 MHz **#VBW** 300 kHz Man MKR MODE TRC SCL 5.692 32 GHz 5.707 44 GHz 35.28 MHz (Δ) -5.583 dBm 2.054 dBm -1.116 dB Freq Offset 0 Hz Scale Type Lin STATUS 11N40MIMO\_Ant1\_5710 02:14:37 PM Sep 11, 2020 TRACE 1 2 3 4 5 6 Center Freq 5.710000000 GHz

NFE PNO: Fast →
IFGain:Low #Avg Type: RMS Avg|Hold: 10/10 Frequency Trig: Free Run #Atten: 30 dB Auto Tune ΔMkr3 35.44 MHz Ref Offset 21.41 dB Ref 20.00 dBm -0.449 dB Center Freq 5.710000000 GHz Start Freq 5.670000000 GHz Stop Freq 5.750000000 GHz Center 5.71000 GHz Span 80.00 MHz **CF Step** 8.000000 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 3.000 ms (1001 pts) -6.237 dBm -0.130 dBm -0.449 dB 5.692 08 GHz 5.718 72 GHz 35.44 MHz (Δ) Ν Ν Δ1 f f (Δ) Freq Offset 0 Hz Scale Type .og

11N40MIMO Ant2 5710

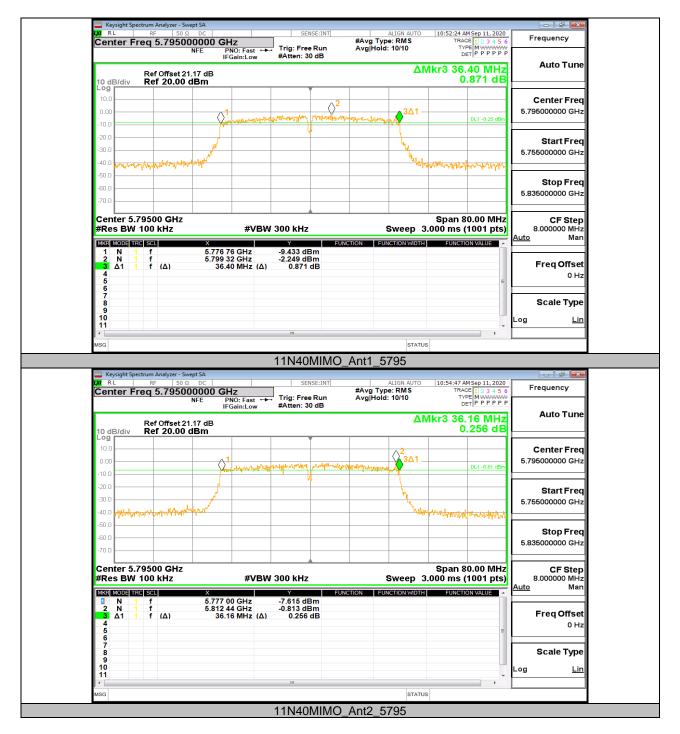
STATUS



10:39:26 AM Sep 11, 2020 #Avg Type: RMS Avg|Hold: 10/10 Frequency TYPE M WWWW **Auto Tune** ΔMkr3 35.20 MHz Ref Offset 21.17 dB Ref 20.00 dBm -1.836 dB Center Freq 5.755000000 GHz DL1 -4.67 d Start Freq 5.715000000 GHz Stop Freq 5.795000000 GHz Span 80.00 MHz Sweep 3.000 ms (1001 pts) Center 5.75500 GHz #Res BW 100 kHz **CF Step** 8.000000 MHz **#VBW** 300 kHz Man MKR MODE TRC SCL 5.737 40 GHz 5.752 44 GHz 35.20 MHz (Δ) -5.754 dBm 1.330 dBm -1.836 dB Freq Offset 0 Hz Scale Type Lin STATUS 11N40MIMO\_Ant1\_5755 10:45:48 AM Sep 11, 2020 Center Freq 5.755000000 GHz

NFE PNO: Fast →
IFGain:Low #Avg Type: RMS Avg|Hold: 10/10 Frequency Trig: Free Run #Atten: 30 dB Auto Tune ΔMkr3 35.20 MHz -2.313 dB Ref Offset 21.17 dB Ref 20.00 dBm Center Freq 5.755000000 GHz Start Freq 5.715000000 GHz Stop Freq 5.795000000 GHz Center 5.75500 GHz Span 80.00 MHz **CF Step** 8.000000 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 3.000 ms (1001 pts) -4.098 dBm 2.099 dBm -2.313 dB 5.737 40 GHz 5.759 96 GHz 35.20 MHz (Δ) 1 N 2 N 3 Δ1 f f (Δ) Freq Offset 0 Hz Scale Type \_og STATUS 11N40MIMO Ant2 5755

















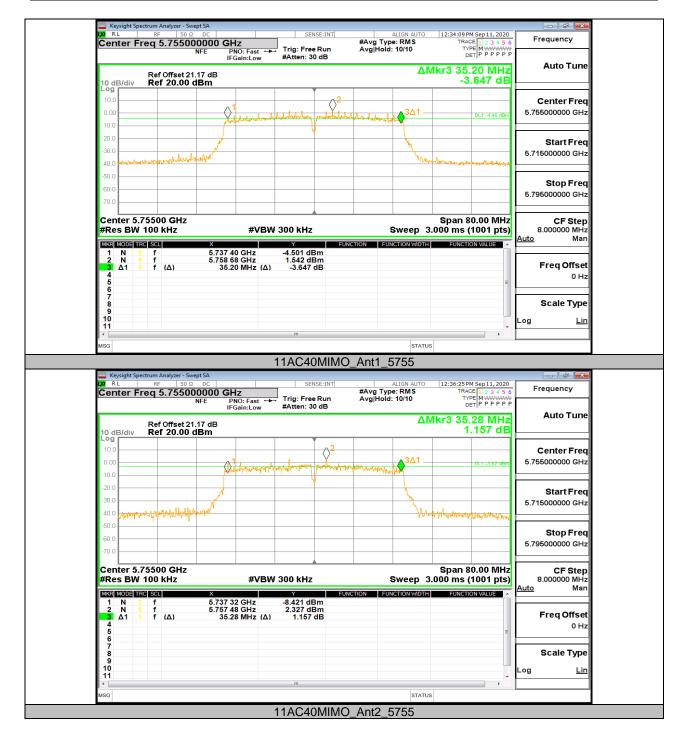








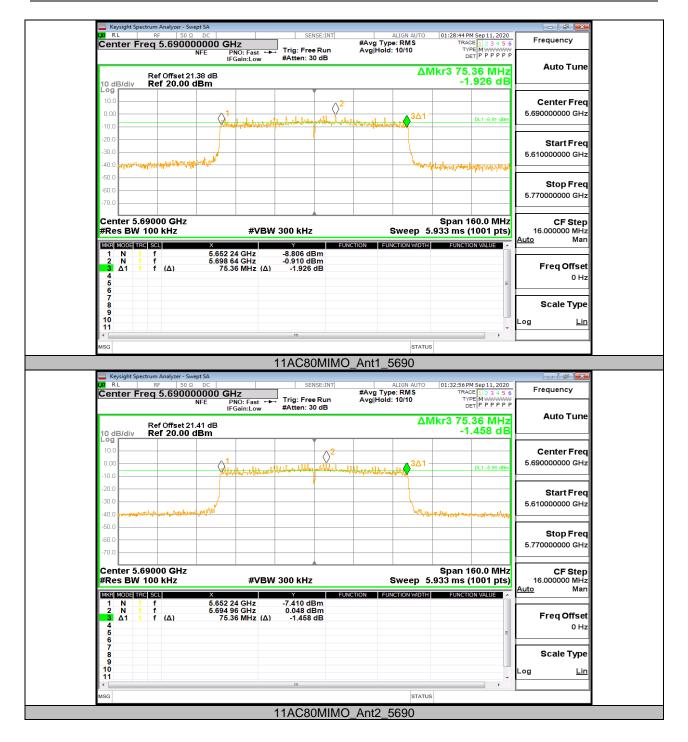


















Appendix B: Maximum conducted output power Test Result

| Test Mode | Antenna | Channel          | Power | Limit    | EIRP           | Limit | Verdict      |
|-----------|---------|------------------|-------|----------|----------------|-------|--------------|
|           |         |                  | [dBm] | [dBm]    | [dBm]          | [dBm] |              |
|           | Ant1    | 5180             | 15.93 | 30       | 19.43          | 22.20 | PASS         |
|           | Ant2    | 5180             | 15.41 | 30       | 18.91          | 22.18 | PASS         |
|           | Ant1    | 5200             | 15.57 | 30       | 19.07          | 22.21 | PASS         |
|           | Ant2    | 5200             | 15.27 | 30       | 18.77          | 22.25 | PASS         |
|           | Ant1    | 5240             | 14.90 | 30       | 18.40          | 22.22 | PASS         |
|           | Ant2    | 5240             | 15.72 | 30       | 19.22<br>19.75 | 22.20 | PASS         |
|           | Ant1    | 5260             | 16.25 | 24       |                | 29.19 | PASS         |
|           | Ant2    | 5260             | 16.33 | 24       | 19.83          | 29.21 | PASS<br>PASS |
|           | Ant1    | 5280             | 16.14 | 24       | 19.64          | 29.20 |              |
|           | Ant2    | 5280             | 16.01 | 24<br>24 | 19.51          | 29.20 | PASS         |
|           | Ant1    | 5320             | 14.63 |          | 18.13          | 29.21 | PASS         |
|           | Ant2    | 5320             | 14.73 | 24       | 18.23          | 29.21 | PASS         |
|           | Ant1    | 5500             | 13.65 | 24       | 17.15          | 29.19 | PASS         |
|           | Ant2    | 5500             | 13.73 | 24       | 17.23          | 29.21 | PASS         |
| 11A       | Ant1    | 5580             | 15.25 | 24       | 18.75          | 29.17 | PASS         |
|           | Ant2    | 5580             | 15.28 | 24       | 18.78          | 29.21 | PASS         |
|           | Ant1    | 5700             | 15.19 | 24       | 18.69          | 29.18 | PASS         |
|           | Ant2    | 5700             | 15.06 | 24       | 18.56          | 29.17 | PASS         |
|           | Ant1    | 5720_UNII-<br>2C | 14.13 | 22.75    | 20.64          | 28.23 | PASS         |
|           | Ant2    | 5720_UNII-<br>2C | 14.02 | 22.75    | 20.53          | 28.26 | PASS         |
|           | Ant1    | 5720_UNII-3      | 6.80  | 30       | 13.31          | 36.02 | PASS         |
|           | Ant2    | 5720_UNII-3      | 6.71  | 30       | 13.22          | 36.02 | PASS         |
|           | Ant1    | 5745             | 13.29 | 30       | 16.79          | 36.02 | PASS         |
|           | Ant2    | 5745             | 14.52 | 30       | 18.02          | 36.02 | PASS         |
|           | Ant1    | 5785             | 11.99 | 30       | 15.49          | 36.02 | PASS         |
|           | Ant2    | 5785             | 12.95 | 30       | 16.45          | 36.02 | PASS         |
|           | Ant1    | 5825             | 13.86 | 30       | 17.36          | 36.02 | PASS         |
|           | Ant2    | 5825             | 13.91 | 30       | 17.41          | 36.02 | PASS         |
|           | Ant1    | 5180             | 10.74 | 30       | 14.24          | 22.47 | PASS         |
|           | Ant2    | 5180             | 10.04 | 30       | 13.54          | 22.46 | PASS         |
|           | total   | 5180             | 13.41 | 29.49    | 19.92          | 22.46 | PASS         |
|           | Ant1    | 5200             | 10.53 | 30       | 14.03          | 22.46 | PASS         |
|           | Ant2    | 5200             | 10.06 | 30       | 13.56          | 22.49 | PASS         |
|           | total   | 5200             | 13.31 | 29.49    | 19.82          | 22.49 | PASS         |
|           | Ant1    | 5240             | 9.51  | 30       | 13.01          | 22.46 | PASS         |
|           | Ant2    | 5240             | 10.26 | 30       | 13.76          | 22.47 | PASS         |
|           | total   | 5240             | 12.91 | 29.49    | 19.42          | 22.47 | PASS         |
|           | Ant1    | 5260             | 16.93 | 23.98    | 20.43          | 29.46 | PASS         |
| 11N20MIMO | Ant2    | 5260             | 16.91 | 23.98    | 20.41          | 29.44 | PASS         |
|           | total   | 5260             | 19.93 | 23.47    | 26.44          | 29.44 | PASS         |
|           | Ant1    | 5280             | 16.62 | 23.98    | 20.12          | 29.48 | PASS         |
|           | Ant2    | 5280             | 16.54 | 23.98    | 20.04          | 29.48 | PASS         |
|           | total   | 5280             | 19.59 | 23.47    | 26.10          | 29.48 | PASS         |
|           | Ant1    | 5320             | 15.02 | 23.98    | 18.52          | 29.47 | PASS         |
|           | Ant2    | 5320             | 15.30 | 23.98    | 18.8           | 29.47 | PASS         |
|           | total   | 5320             | 18.17 | 23.47    | 24.68          | 29.47 | PASS         |
|           | Ant1    | 5500             | 13.90 | 23.98    | 17.4           | 29.45 | PASS         |
|           | Ant2    | 5500             | 14.04 | 23.98    | 17.54          | 29.44 | PASS         |
|           | total   | 5500             | 16.98 | 23.47    | 23.49          | 29.44 | PASS         |
|           | Ant1    | 5580             | 15.17 | 23.98    | 18.67          | 29.46 | PASS         |



Ant2 5580 15.20 23.98 18.70 29.47 **PASS** total 5580 18.20 23.47 24.70 29.47 **PASS** Ant1 5700 15.69 23.98 19.19 29.46 **PASS** Ant2 5700 15.54 23.98 19.04 29.47 **PASS** total 5700 18.63 23.47 25.14 29.47 **PASS** 5720\_UNII-22.78 Ant1 15.18 18.68 28.43 **PASS** 2C 5720\_UNII-Ant2 14.80 22.78 18.3 28.43 **PASS** 2C 5720 UNIItotal 18.00 22.27 24.51 28.43 **PASS** 2C 5720\_UNII-3 8.13 Ant1 30 11.63 36.02 **PASS** 5720\_UNII-3 8.00 30 11.5 36.02 **PASS** Ant2 5720\_UNII-3 11.08 29.49 17.59 36.02 PASS total Ant1 5745 14.73 30 18.23 36.02 **PASS** Ant2 5745 16.06 30 19.56 36.02 **PASS** total 5745 18.46 29.49 24.97 36.02 **PASS** 5785 14.10 30 17.6 36.02 **PASS** Ant1 15.03 **PASS** Ant2 5785 30 18.53 36.02 total 5785 17.6 29.49 24.11 36.02 **PASS** Ant1 5825 14.97 30 18.47 36.02 **PASS** Ant2 15.01 30 **PASS** 5825 18.51 36.02 18.0 29.49 **PASS** total 5825 24.51 36.02 5190 30 **PASS** Ant1 13.35 16.85 23 Ant2 5190 12.81 30 16.31 23 PASS total 5190 16.1 29.49 22.61 23 **PASS** 5230 12.25 30 15.75 23 **PASS** Ant1 5230 13.34 30 16.84 23 **PASS** Ant2 total 5230 15.84 29.49 22.35 23 **PASS** 17.03 Ant1 5270 24 20.53 30 **PASS** Ant2 5270 16.91 24 20.41 30 **PASS** 23.49 total 5270 19.98 26.49 30 **PASS** 24 Ant1 5310 15.72 19.22 30 PASS Ant2 5310 15.99 24 19.49 30 **PASS** total 5310 18.87 23.49 25.38 30 PASS Ant1 5510 14.59 24 18.09 30 PASS 5510 24 30 **PASS** Ant2 14.58 18.08 5510 17.6 23.49 24.11 30 total **PASS** Ant1 5590 15.29 24 18.79 30 **PASS** PASS Ant2 5590 24 19.45 30 15.95 23.49 5590 30 **PASS** total 18.64 25.15 11N40MIMO 24 5670 16.05 30 **PASS** Ant1 19.55 24 Ant2 5670 16.32 19.82 30 PASS 23.49 total 5670 19.2 25.71 30 **PASS** 5710 UNII-Ant1 16.67 24 20.17 30 **PASS** 2C 5710\_UNII-Ant2 16.38 24 19.88 30 **PASS** 2C 5710\_UNII-19.54 23.49 26.05 30 **PASS** total 2C 5710\_UNII-3 4.16 30 7.66 36.02 **PASS** Ant1 Ant2 5710\_UNII-3 4.06 30 7.56 36.02 **PASS** 5710\_UNII-3 total 7.12 29.49 13.63 36.02 **PASS** 15.45 18.95 **PASS** Ant1 5755 30 36.02 Ant2 5755 16.54 30 20.04 36.02 **PASS** total 5755 19.04 29.49 25.55 36.02 **PASS** 30 **PASS** Ant1 5795 15.48 18.98 36.02 Ant2 5795 16.48 30 19.98 36.02 **PASS** total 5795 19.02 29.49 25.53 36.02 PASS 11AC20MIMO Ant1 5180 10.72 30 14.22 22.47 **PASS** 



Ant2 5180 10.00 30 13.5 22.47 **PASS** total 5180 13.39 29.49 19.90 22.47 **PASS** Ant1 5200 10.47 30 13.97 22.49 **PASS** Ant2 5200 10.12 30 13.62 22.47 **PASS** total 5200 13.31 29.49 19.82 22.47 **PASS** Ant1 5240 9.47 30 12.97 22.46 **PASS** Ant2 5240 10.39 30 13.89 22.47 **PASS** 5240 29.49 19.47 22.47 **PASS** total 12.96 5260 16.80 23.94 20.3 29.46 **PASS** Ant1 5260 23.94 29.47 **PASS** Ant2 16.67 20.17 23.43 total 5260 19.75 26.26 29.47 **PASS** 23.94 Ant1 5280 16.58 20.08 29.48 PASS 5280 23.94 29.47 **PASS** Ant2 16.39 19.89 29.47 total 5280 19.5 23.43 26.01 **PASS** Ant1 5320 14.98 23.94 18.48 29.45 **PASS** Ant2 15.11 23.94 18.61 29.47 **PASS** 5320 5320 18.06 23.43 24.57 29.47 **PASS** total 23.94 **PASS** 5500 13.92 29.43 Ant1 17.42 23.94 17.38 29.46 **PASS** Ant2 5500 13.88 total 5500 16.91 23.43 23.42 29.46 PASS Ant1 5580 15.30 23.94 18.80 29.49 **PASS** 5580 15.22 23.94 18.72 29.46 **PASS** Ant2 18.27 23.43 24.79 29.46 **PASS** total 5580 Ant1 5700 15.67 23.94 19.17 29.44 **PASS** Ant2 5700 15.44 23.94 18.94 29.47 **PASS** 18.57 23.43 29.47 **PASS** total 5700 25.08 5720\_UNII-**PASS** 15.14 30 28.43 Ant1 18.64 2C 5720\_UNII-Ant2 14.85 30 18.35 28.44 **PASS** 2C 5720\_UNIItotal 18.01 29.49 24.52 28.44 **PASS** 2C Ant1 5720\_UNII-3 7.89 30 11.39 36.02 **PASS** Ant2 5720\_UNII-3 7.99 30 11.49 36.02 **PASS** total 5720\_UNII-3 10.95 29.49 17.46 36.02 PASS Ant1 5745 14.78 30 18.28 36.02 PASS 5745 15.94 30 Ant2 19.44 36.02 PASS 5745 29.49 24.92 total 18.41 36.02 **PASS** Ant1 5785 14.17 30 17.67 36.02 **PASS** Ant2 15.14 30 **PASS** 5785 18.64 36.02 29.49 **PASS** total 5785 17.69 24.20 36.02 30 5825 15.01 18.51 **PASS** Ant1 36.02 PASS Ant2 5825 15.05 30 18.55 36.02 total 5825 18.04 29.49 24.55 36.02 PASS Ant1 5190 13.39 30 16.89 23 **PASS** 30 23 **PASS** Ant2 5190 13.03 16.53 total 5190 16.22 29.49 22.73 23 **PASS** 5230 12.37 30 15.87 23 **PASS** Ant1 5230 13.47 30 16.97 23 **PASS** Ant2 23 PASS 5230 15.97 29.49 22.48 total 17.27 24 **PASS** 5270 20.77 30 Ant1 17.21 5270 24 20.71 30 **PASS** Ant2 11AC40MIMO total 5270 20.25 23.49 26.76 30 **PASS** Ant1 5310 16.03 24 19.53 30 **PASS** Ant2 5310 16.17 24 30 **PASS** 19.67 23.49 total 5310 19.11 25.62 30 **PASS** Ant1 5510 14.87 24 18.37 30 **PASS** Ant2 14.90 24 30 **PASS** 5510 18.4 17.9 23.49 24.41 30 total 5510 PASS 5590 15.73 24 19.23 30 **PASS** Ant1



|            | 1 4 10 | 5500             | 40.00 | 0.4   | 40.70 | 00    | D400 |
|------------|--------|------------------|-------|-------|-------|-------|------|
|            | Ant2   | 5590             | 16.29 | 24    | 19.79 | 30    | PASS |
|            | total  | 5590             | 19.03 | 23.49 | 25.54 | 30    | PASS |
|            | Ant1   | 5670             | 16.29 | 24    | 19.79 | 30    | PASS |
|            | Ant2   | 5670             | 16.60 | 24    | 20.1  | 30    | PASS |
|            | total  | 5670             | 19.46 | 23.49 | 25.97 | 30    | PASS |
|            | Ant1   | 5710_UNII-<br>2C | 16.73 | 30    | 20.23 | 30    | PASS |
|            | Ant2   | 5710_UNII-<br>2C | 16.37 | 30    | 19.87 | 30    | PASS |
|            | total  | 5710_UNII-<br>2C | 19.56 | 29.49 | 26.07 | 30    | PASS |
|            | Ant1   | 5710_UNII-3      | 4.27  | 30    | 7.77  | 36.02 | PASS |
|            | Ant2   | 5710_UNII-3      | 4.11  | 30    | 7.61  | 36.02 | PASS |
|            | total  | 5710_UNII-3      | 7.2   | 29.49 | 13.71 | 36.02 | PASS |
|            | Ant1   | 5755             | 15.52 | 30    | 19.02 | 36.02 | PASS |
|            | Ant2   | 5755             | 16.63 | 30    | 20.13 | 36.02 | PASS |
|            | total  | 5755             | 19.12 | 29.49 | 25.63 | 36.02 | PASS |
|            | Ant1   | 5795             | 15.68 | 30    | 19.18 | 36.02 | PASS |
|            | Ant2   | 5795             | 16.65 | 30    | 20.15 | 36.02 | PASS |
|            | total  | 5795             | 19.2  | 29.49 | 25.71 | 36.02 | PASS |
|            | Ant1   | 5210             | 13.17 | 30    | 16.67 | 23    | PASS |
|            | Ant2   | 5210             | 12.73 | 30    | 16.23 | 23    | PASS |
|            | total  | 5210             | 15.97 | 29.49 | 22.48 | 23    | PASS |
|            | Ant1   | 5290             | 16.93 | 24    | 20.43 | 30    | PASS |
|            | Ant2   | 5290             | 16.74 | 24    | 20.24 | 30    | PASS |
|            | total  | 5290             | 19.85 | 23.49 | 26.36 | 30    | PASS |
|            | Ant1   | 5530             | 14.52 | 24    | 18.02 | 30    | PASS |
|            | Ant2   | 5530             | 14.73 | 24    | 18.23 | 30    | PASS |
|            | total  | 5530             | 17.64 | 23.49 | 24.15 | 30    | PASS |
|            | Ant1   | 5610             | 15.96 | 24    | 19.46 | 30    | PASS |
|            | Ant2   | 5610             | 16.41 | 24    | 19.91 | 30    | PASS |
| 11AC80MIMO | total  | 5610             | 19.2  | 23.49 | 25.71 | 30    | PASS |
| TACOUNTINO | Ant1   | 5690_UNII-<br>2C | 16.18 | 24    | 19.68 | 30    | PASS |
|            | Ant2   | 5690_UNII-<br>2C | 16.45 | 24    | 19.95 | 30    | PASS |
|            | total  | 5690_UNII-<br>2C | 19.33 | 23.49 | 25.84 | 30    | PASS |
|            | Ant1   | 5690_UNII-3      | 0.77  | 30    | 4.27  | 36.02 | PASS |
|            | Ant2   | 5690_UNII-3      | 1.08  | 30    | 4.58  | 36.02 | PASS |
|            | total  | 5690_UNII-3      | 3.94  | 29.49 | 10.45 | 36.02 | PASS |
|            | Ant1   | 5775             | 15.63 | 30    | 19.13 | 36.02 | PASS |
|            | Ant2   | 5775             | 16.52 | 30    | 20.02 | 36.02 | PASS |
|            | total  | 5775             | 19.11 | 29.49 | 25.62 | 36.02 | PASS |

Note: The Duty Cycle Factor is compensated in the result.



Appendix C: Maximum power spectral density Test Result

| Test Mode  | Antenna | Channel          | Power<br>[dBm/MHz] | Limit<br>[dBm/MHz] | EIRP<br>[dBm/MHz] | Limit<br>[dBm/MHz] | Verdict |
|------------|---------|------------------|--------------------|--------------------|-------------------|--------------------|---------|
|            | Ant1    | 5180             | 5.5                | <=17               | 9.00              | <=10               | PASS    |
|            | Ant2    | 5180             | 5.19               | <=17               | 8.69              | <=10               | PASS    |
|            | Ant1    | 5200             | 5.42               | <=17               | 8.92              | <=10               | PASS    |
|            | Ant2    | 5200             | 5.2                | <=17               | 8.70              | <=10               | PASS    |
|            | Ant1    | 5240             | 4.84               | <=17               | 8.34              | <=10               | PASS    |
|            | Ant2    | 5240             | 5.55               | <=17               | 9.05              | <=10               | PASS    |
|            | Ant1    | 5260             | 7.59               | <=11               |                   | <=                 | PASS    |
|            | Ant2    | 5260             | 7.75               | <=11               |                   | <=                 | PASS    |
|            | Ant1    | 5280             | 7.76               | <=11               |                   | <=                 | PASS    |
|            | Ant2    | 5280             | 7.36               | <=11               |                   | <=                 | PASS    |
|            | Ant1    | 5320             | 4.57               | <=11               |                   | <=                 | PASS    |
|            | Ant2    | 5320             | 4.46               | <=11               |                   | <=                 | PASS    |
|            | Ant1    | 5500             | 3.59               | <=11               |                   | <=                 | PASS    |
|            | Ant2    | 5500             | 3.64               | <=11               |                   | <=                 | PASS    |
| 44 A       | Ant1    | 5580             | 5.83               | <=11               |                   | <=                 | PASS    |
| 11A        | Ant2    | 5580             | 5.35               | <=11               |                   | <=                 | PASS    |
|            | Ant1    | 5700             | 7.6                | <=11               |                   | <=                 | PASS    |
|            | Ant2    | 5700             | 7.2                | <=11               |                   | <=                 | PASS    |
|            | Ant1    | 5720_UNII-<br>2C | 4.79               | <=11               |                   | <=                 | PASS    |
|            | Ant2    | 5720_UNII-<br>2C | 4.99               | <=11               |                   | <=                 | PASS    |
|            | Ant1    | 5720_UNII-3      | 0.22               | <=30               |                   | <=                 | PASS    |
|            | Ant2    | 5720_UNII-3      | -0.01              | <=30               |                   | <=                 | PASS    |
|            | Ant1    | 5745             | 0.31               | <=30               |                   | <=                 | PASS    |
|            | Ant2    | 5745             | 1.6                | <=30               |                   | <=                 | PASS    |
|            | Ant1    | 5785             | -0.7               | <=30               |                   | <=                 | PASS    |
|            | Ant2    | 5785             | 0.08               | <=30               |                   | <=                 | PASS    |
|            | Ant1    | 5825             | 1.6                | <=30               |                   | <=                 | PASS    |
|            | Ant2    | 5825             | 1.63               | <=30               |                   | <=                 | PASS    |
|            | Ant1    | 5180             | 0.39               | <=17               | 6.90              | <=10               | PASS    |
|            | Ant2    | 5180             | -0.33              | <=17               | 6.18              | <=10               | PASS    |
|            | total   | 5180             | 3.06               | <=16.49            | 9.57              | <=10               | PASS    |
|            | Ant1    | 5200             | 0.22               | <=17               | 6.73              | <=10               | PASS    |
|            | Ant2    | 5200             | -0.17              | <=17               | 6.34              | <=10               | PASS    |
|            | total   | 5200             | 3.04               | <=16.49            | 9.55              | <=10               | PASS    |
|            | Ant1    | 5240             | -0.72              | <=17               | 5.79              | <=10               | PASS    |
|            | Ant2    | 5240             | 0.05               | <=17               | 6.56              | <=10               | PASS    |
|            | total   | 5240             | 2.69               | <=16.49            | 9.20              | <=10               | PASS    |
|            | Ant1    | 5260             | 6.76               | <=11               |                   | <=                 | PASS    |
|            | Ant2    | 5260             | 6.48               | <=11               |                   | <=                 | PASS    |
| 11AC20MIMO | total   | 5260             | 9.63               | <=10.49            |                   |                    | PASS    |
| ŀ          | Ant1    | 5280             | 6.09               | <=11               |                   | <=                 | PASS    |
| ŀ          | Ant2    | 5280             | 6.2                | <=11               |                   | <=                 | PASS    |
| ŀ          | total   | 5280             | 9.16               | <=10.49            |                   |                    | PASS    |
| ŀ          | Ant1    | 5320             | 4.51               | <=11               |                   | <=                 | PASS    |
| ŀ          | Ant2    | 5320             | 5.06               | <=11               |                   | <=                 | PASS    |
| ŀ          | total   | 5320             | 7.80               | <=10.49            |                   |                    | PASS    |
| ŀ          | Ant1    | 5500             | 3.61               | <=10.49<br><=11    |                   | <=                 | PASS    |
| ŀ          | Ant2    | 5500             | 3.93               | <=11<br><=11       |                   |                    | PASS    |
| ŀ          | total   | 5500             | 6.78               | <=10.49            |                   | <=                 | PASS    |
| ŀ          |         |                  |                    |                    |                   |                    | PASS    |
|            | Ant1    | 5580             | 5.04               | <=11               |                   | <=                 | rass -  |



Ant2 5580 5.04 <=11 ---<=---**PASS** total 5580 8.05 <=10.49 ------**PASS** Ant1 5700 6.47 <=11 ---<=---**PASS** Ant2 5700 6.11 <=11 <=---**PASS** total 5700 9.30 <=10.49 ---**PASS** 5720\_UNII-Ant1 5.61 <=11 ---<=---**PASS** 2C 5720 UNII-Ant2 5.61 <=11 **PASS** <=---2C 5720 UNIItotal 8.62 <=10.49 **PASS** 2C <=30 Ant1 5720\_UNII-3 1.09 **PASS** <=---5720\_UNII-3 0.94 <=30 **PASS** Ant2 <=---5720\_UNII-3 4.03 <=29.49 **PASS** total 1.95 **PASS** Ant1 5745 <=30 Ant2 5745 2.88 <=30 **PASS** <=--total 5745 5.45 <=29.49 **PASS** 5785 1.24 **PASS** Ant1 <=30 <=---Ant2 5785 1.74 <=30 **PASS** <=---5785 4.51 <=29.49 **PASS** total 5825 2.17 **PASS** Ant1 <=30 <=---1.89 PASS Ant2 5825 <=30 <=---<=29.49 **PASS** 5825 5.04 total <=17 6.93 **PASS** Ant1 5190 0.42 <=10 Ant2 5190 -0.16 <=17 6.35 <=10 PASS total 5190 3.15 <=16.49 9.66 <=10 **PASS** 5230 -0.72<=17 5.79 <=10 **PASS** Ant1 0.28 6.79 **PASS** Ant2 5230 <=17 <=10 5230 2.82 <=16.49 9.33 <=10 **PASS** total <=11 5270 4.01 <=---**PASS** Ant1 <=---Ant2 5270 3.74 <=11 **PASS** 5270 6.89 <=10.49 **PASS** total Ant1 5310 2.6 <=11 PASS Ant2 5310 2.85 <=11 <=---**PASS** total 5310 5.74 <=10.49 **PASS** Ant1 5510 1.06 <=11 <=---**PASS** 5510 **PASS** Ant2 1.16 <=11 <=--total 5510 4.12 <=10.49 **PASS** <=11 5590 2.14 **PASS** Ant1 <=---2.54 **PASS** Ant2 5590 <=11 ---<=---<=10.49 **PASS** total 5590 5.35 ------11AC40MIMO 5670 <=11 **PASS** Ant1 2.56 ---<=---<=---Ant2 5670 2.56 <=11 ---PASS total 5670 5.57 <=10.49 ------**PASS** 5710 UNII-Ant1 3.5 **PASS** <=11 <=---2C 5710\_UNII-Ant2 3.01 <=11 <=---**PASS** 2C 5710\_UNII-6.27 <=10.49 **PASS** total 2C 5710 UNII-3 **PASS** Ant1 -2.8 <=30 <=---Ant2 5710\_UNII-3 -2.58<=30 **PASS** <=-total 5710\_UNII-3 0.32 <=29.49 **PASS PASS** Ant1 5755 -0.63 <=30 <=---<=30 <=---5755 0.35 **PASS** Ant2 total 5755 2.90 <=29.49 **PASS** Ant1 5795 -0.67<=30 <=---**PASS** Ant2 5795 0.1 <=30 **PASS** <=--total 5795 2.74 <=29.49 **PASS** 11AC80MIMO Ant1 5210 -3.02<=17 3.49 <=10 **PASS** 



REPORT NO.: 4789609364.2-6

Page 364 of 415

| Ant2  | 5210             | -3.91 | <=17    | 2.60 | <=10 | PASS |
|-------|------------------|-------|---------|------|------|------|
| total | 5210             | -0.43 | <=16.49 | 6.08 | <=10 | PASS |
| Ant1  | 5290             | 1.16  | <=11    |      | <=   | PASS |
| Ant2  | 5290             | 0.68  | <=11    |      | <=   | PASS |
| total | 5290             | 3.94  | <=10.49 |      |      | PASS |
| Ant1  | 5530             | -1.5  | <=11    |      | <=   | PASS |
| Ant2  | 5530             | -1.25 | <=11    |      | <=   | PASS |
| total | 5530             | 1.64  | <=10.49 |      |      | PASS |
| Ant1  | 5610             | -0.15 | <=11    |      | <=   | PASS |
| Ant2  | 5610             | 0.27  | <=11    |      | <=   | PASS |
| total | 5610             | 3.08  | <=10.49 |      |      | PASS |
| Ant1  | 5690_UNII-<br>2C | 0.5   | <=11    |      | <=   | PASS |
| Ant2  | 5690_UNII-<br>2C | 0.85  | <=11    |      | <=   | PASS |
| total | 5690_UNII-<br>2C | 3.69  | <=10.49 |      |      | PASS |
| Ant1  | 5690_UNII-3      | -5.98 | <=30    |      | <=   | PASS |
| Ant2  | 5690_UNII-3      | -5.72 | <=30    |      | <=   | PASS |
| total | 5690_UNII-3      | -2.84 | <=29.49 |      |      | PASS |
| Ant1  | 5775             | -3.09 | <=30    |      | <=   | PASS |
| Ant2  | 5775             | -1.92 | <=30    |      | <=   | PASS |
| total | 5775             | 0.54  | <=29.49 |      |      | PASS |

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725-5.85 GHz. 2. The Duty Cycle Factor and RBW Factor is compensated in the graph.



**Test Graphs** 





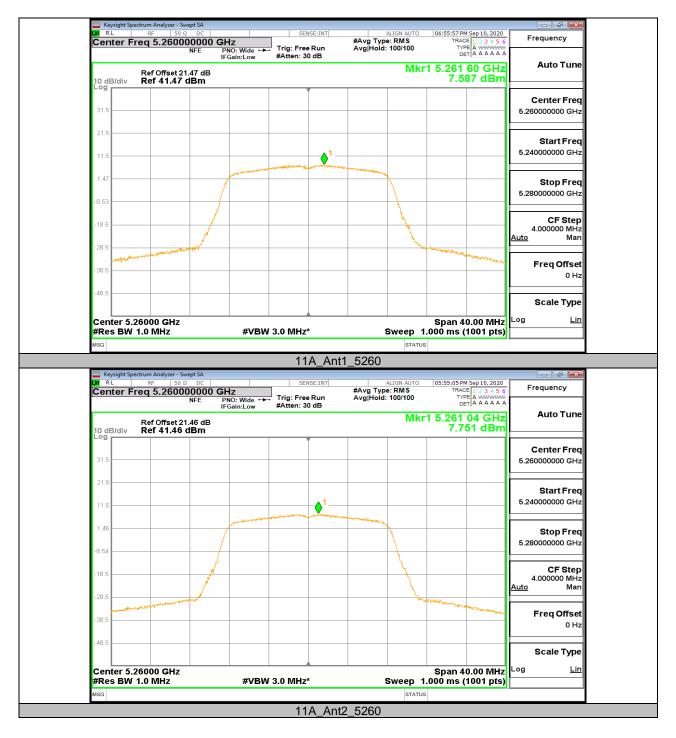
06:15:27 PM Sep 10, 2020 #Avg Type: RMS Avg|Hold: 100/100 Frequency TYPE A WWWWW **Auto Tune** Mkr1 5.198 96 GHz Ref Offset 21.47 dB Ref 41.47 dBm 10 dB/div Log 5.421 dBm Center Freq 5.200000000 GHz Start Freq 5.180000000 GHz Stop Freq 5.220000000 GHz **CF Step** 4.000000 MHz Man Freq Offset 0 Hz Scale Type Span 40.00 MHz Sweep 1.000 ms (1001 pts) Center 5.20000 GHz #Res BW 1.0 MHz Lin #VBW 3.0 MHz\* STATUS 11A\_Ant1\_5200 05:40:39 PM Sep 10, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A #Avg Type: RMS Avg|Hold: 100/100 Frequency Auto Tune Mkr1 5.199 08 GHz Ref Offset 21.48 dB Ref 41.48 dBm 5.195 dBm 10 dB/div Center Freq 5.200000000 GHz Start Freq 5.180000000 GHz Stop Freq 5.220000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz Scale Type Center 5.20000 GHz Span 40.00 MHz Log #Res BW 1.0 MHz #VBW 3.0 MHz\* Sweep 1.000 ms (1001 pts) STATUS 11A Ant2 5200







Page 368 of 415





RL RF 50 Ω DC | Center Freq 5.280000000 GHz | PNO: Wide + FIFGain:Low 06:57:36 PM Sep 10, 2020 #Avg Type: RMS Avg|Hold: 100/100 Frequency TYPE A WWWWW Mkr1 5.278 92 GHz Auto Tune Ref Offset 21.48 dB Ref 41.48 dBm 10 dB/div Log 7.756 dBm Center Freq 5.280000000 GHz Start Freq 5.260000000 GHz Stop Freq 5.300000000 GHz **CF Step** 4.000000 MHz Man Freq Offset 0 Hz Scale Type Center 5.28000 GHz #Res BW 1.0 MHz Span 40.00 MHz Sweep 1.000 ms (1001 pts) Lin #VBW 3.0 MHz\* STATUS 11A\_Ant1\_5280 05:57:29 PM Sep 10, 2020

TRACE 1 2 3 4 5 6

TYPE A WWWW

DET A A A A A A #Avg Type: RMS Avg|Hold: 100/100 Frequency Auto Tune Mkr1 5.278 72 GHz 7.356 dBm Ref Offset 21.46 dB Ref 41.46 dBm 10 dB/div Center Freq 5.280000000 GHz Start Freq 5.260000000 GHz Stop Freq 5.300000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz Scale Type Center 5.28000 GHz Span 40.00 MHz Log #Res BW 1.0 MHz #VBW 3.0 MHz\* Sweep 1.000 ms (1001 pts)

11A Ant2 5280

STATUS



RL RF 50 Ω DC | Center Freq 5.320000000 GHz | PNO: Wide + FIFGain:Low 06:59:28 PM Sep 10, 2020 #Avg Type: RMS Avg|Hold: 100/100 Frequency TYPE A WWWWW Mkr1 5.321 28 GHz **Auto Tune** Ref Offset 21.47 dB Ref 41.47 dBm 10 dB/div Log 4.566 dBm Center Freq 5.320000000 GHz Start Freq 5.300000000 GHz **♦**¹ Stop Freq 5.340000000 GHz **CF Step** 4.000000 MHz Man Freq Offset 0 Hz Scale Type Span 40.00 MHz Sweep 1.000 ms (1001 pts) Center 5.32000 GHz #Res BW 1.0 MHz Lin #VBW 3.0 MHz\* STATUS 11A\_Ant1\_5320 06:00:02 PM Sep 10, 2020

TRACE 1 2 3 4 5 6

TYPE A WWWWW

DET A A A A A A #Avg Type: RMS Avg|Hold: 100/100 Frequency Auto Tune Mkr1 5.318 84 GHz Ref Offset 21.46 dB Ref 41.46 dBm 4.460 dBm 10 dB/div Center Freq 5.320000000 GHz Start Freq 5.300000000 GHz Stop Freq 5.340000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz Scale Type Center 5.32000 GHz Span 40.00 MHz Log #Res BW 1.0 MHz #VBW 3.0 MHz\* Sweep 1.000 ms (1001 pts) STATUS 11A Ant2 5320



07:01:14 PM Sep 10, 2020 #Avg Type: RMS Avg|Hold: 100/100 Frequency TYPE A WWWWW Mkr1 5.499 04 GHz 3.589 dBm **Auto Tune** Ref Offset 21.49 dB Ref 41.49 dBm 10 dB/div Log Center Freq 5.500000000 GHz Start Freq 5.480000000 GHz  $\phi^1$ Stop Freq 5.520000000 GHz **CF Step** 4.000000 MHz Man Freq Offset 0 Hz Scale Type Span 40.00 MHz Sweep 1.000 ms (1001 pts) Center 5.50000 GHz #Res BW 1.0 MHz Lin #VBW 3.0 MHz\* STATUS 11A\_Ant1\_5500 Keysight Spectrum Analyzer - Swept - | GR | RL | RF | SO Q DC | | Center Freq 5.50000000 GHz | PNO: Wide → IFGain:Low 06:01:51 PM Sep 10, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A #Avg Type: RMS Avg|Hold: 100/100 Frequency Auto Tune Mkr1 5.499 08 GHz Ref Offset 21.5 dB Ref 41.50 dBm 3.639 dBm 10 dB/div Center Freq 5.500000000 GHz Start Freq 5.480000000 GHz Stop Freq 5.520000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz Scale Type Center 5.50000 GHz Span 40.00 MHz Log #Res BW 1.0 MHz #VBW 3.0 MHz\* Sweep 1.000 ms (1001 pts) STATUS 11A Ant2 5500



| RF | S0 Ω DC | Center Freq 5.580000000 GHz | PNO: Wide → IFGain:Low #Atten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten: 30 dB | PNO: Wide → IFGain:Low | Rotten #Avg Type: RMS Avg|Hold: 100/100 Frequency Mkr1 5.579 00 GHz **Auto Tune** Ref Offset 21.79 dB Ref 41.79 dBm 5.828 dBm 10 dB/div Center Fred 5.580000000 GHz Start Freq 5.560000000 GHz Stop Freq 5.600000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz Scale Type Center 5.58000 GHz #Res BW 1.0 MHz <u>Lin</u> Span 40.00 MHz Sweep 1.000 ms (1001 pts) #VBW 3.0 MHz\* 11A\_Ant1\_5580 M RL RF 50 Ω DC

| Center Freq 5.580000000 GHz | PNO: Wide → IFGain:Low #Atten: 30 dB Frequency #Avg Type: RMS Avg|Hold: 100/100 Auto Tune Mkr1 5.580 80 GHz 5.348 dBm Ref Offset 21.91 dB Ref 41.91 dBm 10 dB/div Center Freq 5.580000000 GHz Start Freq 5.560000000 GHz Stop Freq 5.600000000 GH CF Step 4.000000 MHz Man Freq Offset Scale Type Span 40.00 MHz Sweep 1.000 ms (1001 pts) Center 5.58000 GHz #Res BW 1.0 MHz Lin **#VBW 3.0 MHz\*** 11A\_Ant2\_5580







RL RF 50 Ω DC Center Freq 5.720000000 GHz

NFE PNO: Wide PIFGain:Low 01:46:05 PM Sep 11, 2020 #Avg Type: RMS Avg|Hold: 100/100 Frequency TYPE A WWWWW Mkr2 5.718 88 GHz **Auto Tune** Ref Offset 21.59 dB Ref 41.59 dBm 10 dB/div Log 4.791 dBm Center Freq 5.720000000 GHz Start Freq 5.700000000 GHz •  $\triangle^1$ Stop Freq 5.740000000 GHz **CF Step** 4.000000 MHz Man Freq Offset 0 Hz Scale Type Span 40.00 MHz Sweep 1.000 ms (1001 pts) Center 5.72000 GHz #Res BW 1.0 MHz Lin #VBW 3.0 MHz\* 11A\_Ant1\_5720\_UNII-2C 01:50:05 PM Sep 11, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A Frequency #Avg Type: RMS Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB Auto Tune Mkr2 5.721 08 GHz Ref Offset 21.62 dB Ref 41.62 dBm 4.989 dBm 10 dB/div Center Freq 5.720000000 GHz Start Freq 5.700000000 GHz  $\Diamond^1$ Stop Freq 5.740000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz Scale Type Center 5.72000 GHz Span 40.00 MHz Log #Res BW 1.0 MHz #VBW 3.0 MHz\* Sweep 1.000 ms (1001 pts) STATUS 11A Ant2 5720 UNII-2C



RL RF 50 Ω DC Center Freq 5.720000000 GHz

NFE PNO: Wide PIFGain:Low 01:46:30 PM Sep 11, 2020 #Avg Type: RMS Avg|Hold: 100/100 Frequency TYPE A WWWWW Mkr2 5.725 28 GHz **Auto Tune** Ref Offset 21.59 dB Ref 41.59 dBm 10 dB/div Log 0.221 dBm Center Freq 5.720000000 GHz Start Freq 5.700000000 GHz Stop Freq 5.740000000 GHz **CF Step** 4.000000 MHz Man Freq Offset 0 Hz Scale Type Center 5.72000 GHz #Res BW 510 kHz Span 40.00 MHz Sweep 1.000 ms (1001 pts) Lin #VBW 1.5 MHz\* 11A\_Ant1\_5720\_UNII-3 01:50:30 PM Sep 11, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A Frequency #Avg Type: RMS Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB Auto Tune Mkr2 5.725 12 GHz -0.005 dBm Ref Offset 21.62 dB Ref 41.62 dBm 10 dB/div Center Freq 5.720000000 GHz Start Freq 5.700000000 GHz Stop Freq 5.740000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz Scale Type Center 5.72000 GHz #Res BW 510 kHz Span 40.00 MHz Log #VBW 1.5 MHz\* Sweep 1.000 ms (1001 pts) STATUS 11A Ant2 5720 UNII-3

Freq Offset 0 Hz

Scale Type

Log

Span 40.00 MHz

Sweep 1.000 ms (1001 pts)

STATUS



Center 5.74500 GHz

#Res BW 510 kHz

RL RF 50 Ω DC Center Freq 5.745000000 GHz

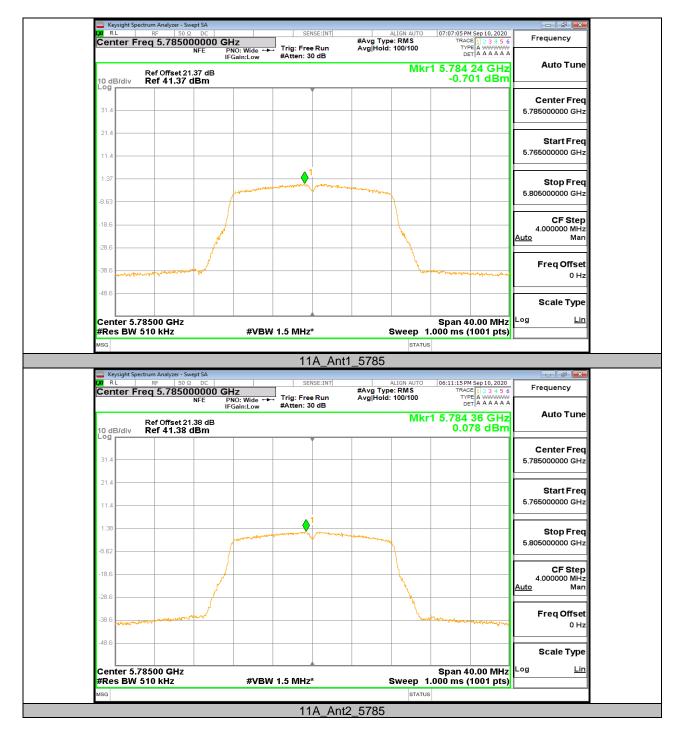
NFE PNO: Wide PIFGain:Low 07:05:54 PM Sep 10, 2020 #Avg Type: RMS Avg|Hold: 100/100 Frequency TYPE A WWWWW Mkr1 5.744 16 GHz **Auto Tune** Ref Offset 21.37 dB Ref 41.37 dBm 10 dB/div Log 0.311 dBm Center Freq 5.745000000 GHz Start Freq 5.725000000 GHz Stop Freq 5.765000000 GHz **CF Step** 4.000000 MHz Man Freq Offset 0 Hz Scale Type Span 40.00 MHz Sweep 1.000 ms (1001 pts) Center 5.74500 GHz #Res BW 510 kHz Lin #VBW 1.5 MHz\* STATUS 11A\_Ant1\_5745 Keysight Spectrum Analyzer - Swept - | Grant RL | RF | S0 0 DC | | Center Freq 5.74500000 GHz

NFE | PNO: Wide → | IFGain:Low 06:08:37 PM Sep 10, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A #Avg Type: RMS Avg|Hold: 100/100 Frequency Auto Tune Mkr1 5.744 44 GHz Ref Offset 21.37 dB Ref 41.37 dBm 1.595 dBm 10 dB/div Center Freq 5.745000000 GHz Start Freq 5.725000000 GHz Stop Freq 5.765000000 GHz CF Step 4.000000 MHz -18.

11A Ant2 5745

#VBW 1.5 MHz\*







M RL RF 50Ω DC |
Center Freq 5.825000000 GHz

NFE PNO: Wide +-IFGain:Low 07:08:19 PM Sep 10, 2020 #Avg Type: RMS Avg|Hold: 100/100 Frequency TYPE A WWWWW Mkr1 5.823 68 GHz **Auto Tune** Ref Offset 21.37 dB Ref 41.37 dBm 10 dB/div Log 1.595 dBm Center Freq 5.825000000 GHz Start Freq 5.805000000 GHz Stop Freq 5.845000000 GHz **CF Step** 4.000000 MHz Man Freq Offset 0 Hz Scale Type Span 40.00 MHz Sweep 1.000 ms (1001 pts) Center 5.82500 GHz #Res BW 510 kHz Lin #VBW 1.5 MHz\* STATUS 11A\_Ant1\_5825 06:12:30 PM Sep 10, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A #Avg Type: RMS Avg|Hold: 100/100 Frequency Auto Tune Mkr1 5.823 48 GHz Ref Offset 21.38 dB Ref 41.38 dBm 1.630 dBm 10 dB/div Center Freq 5.825000000 GHz Start Freq 5.805000000 GHz Stop Freq 5.845000000 GHz CF Step 4.000000 MHz -18. Freq Offset 0 Hz Scale Type Center 5.82500 GHz Span 40.00 MHz Log #Res BW 510 kHz #VBW 1.5 MHz\* Sweep 1.000 ms (1001 pts) STATUS 11A Ant2 5825



09:17:49 AM Sep 11, 2020 #Avg Type: RMS Avg|Hold: 100/100 Frequency TYPE A WWWWW Mkr1 5.181 12 GHz **Auto Tune** Ref Offset 21.48 dB Ref 41.48 dBm 10 dB/div Log 0.388 dBm Center Freq 5.180000000 GHz Start Freq 5.160000000 GHz Stop Freq 5.200000000 GHz **CF Step** 4.000000 MHz Man Freq Offset 0 Hz Scale Type Center 5.18000 GHz #Res BW 1.0 MHz Span 40.00 MHz Sweep 1.000 ms (1001 pts) Lin #VBW 3.0 MHz\* 11N20MIMO\_Ant1\_5180 09:19:04 AM Sep 11, 2020 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A Frequency #Avg Type: RMS Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB Auto Tune Mkr1 5.178 80 GHz Ref Offset 21.49 dB Ref 41.49 dBm -0.330 dBm 10 dB/div Center Freq 5.180000000 GHz Start Freq 5.160000000 GHz Stop Freq 5.200000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz Scale Type Center 5.18000 GHz Span 40.00 MHz Log #Res BW 1.0 MHz #VBW 3.0 MHz\* Sweep 1.000 ms (1001 pts)

11N20MIMO Ant2 5180

STATUS