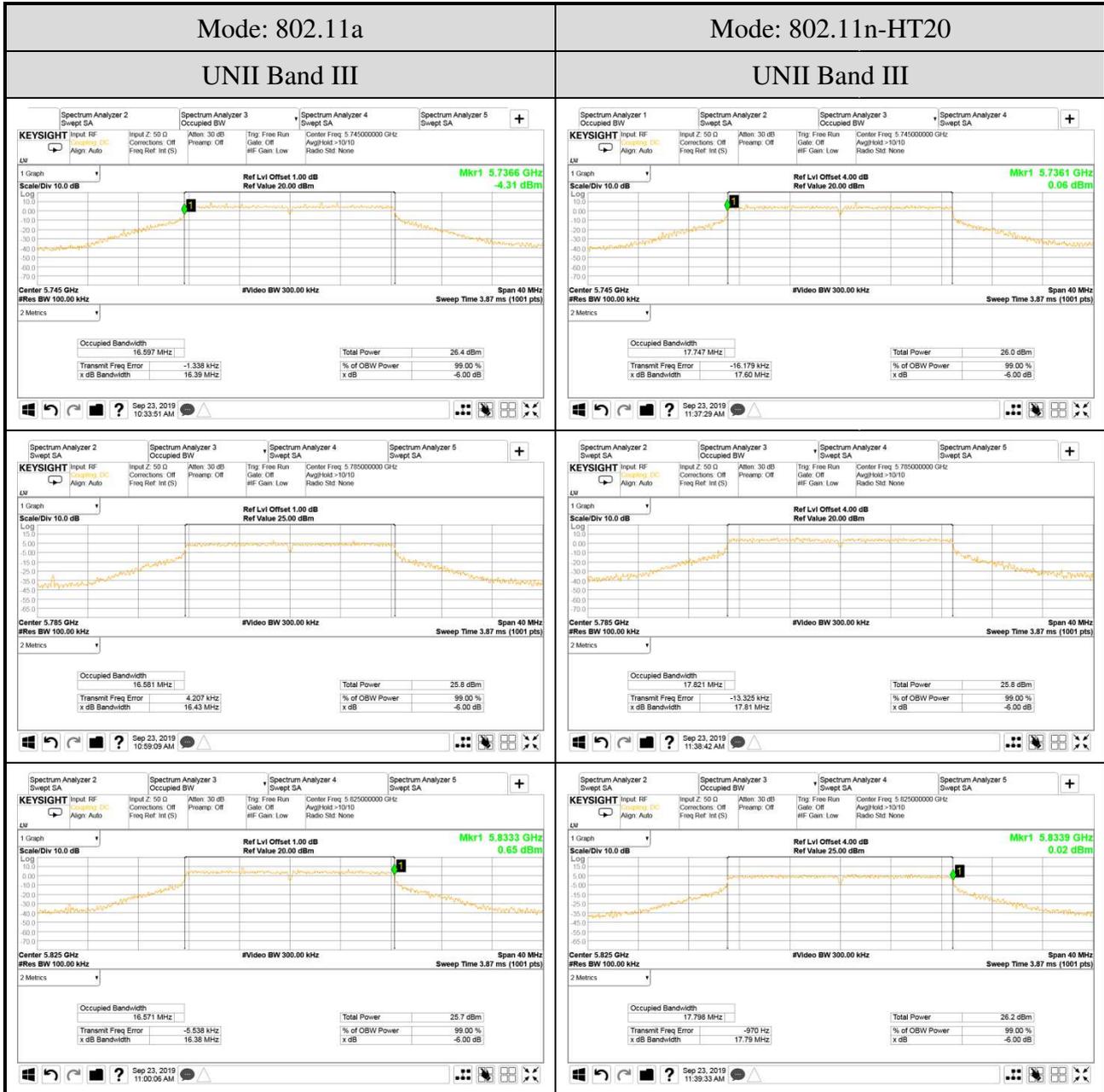
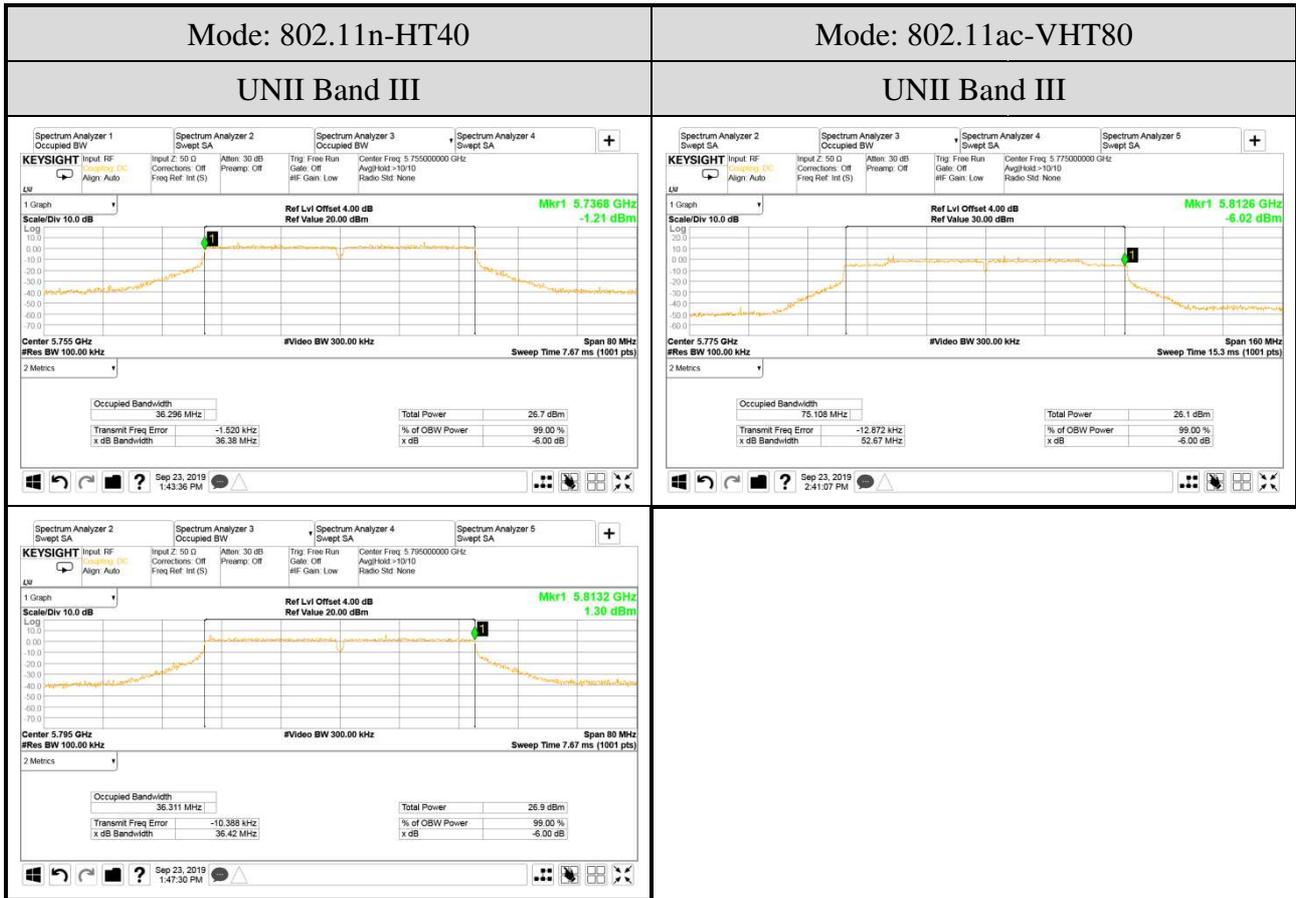
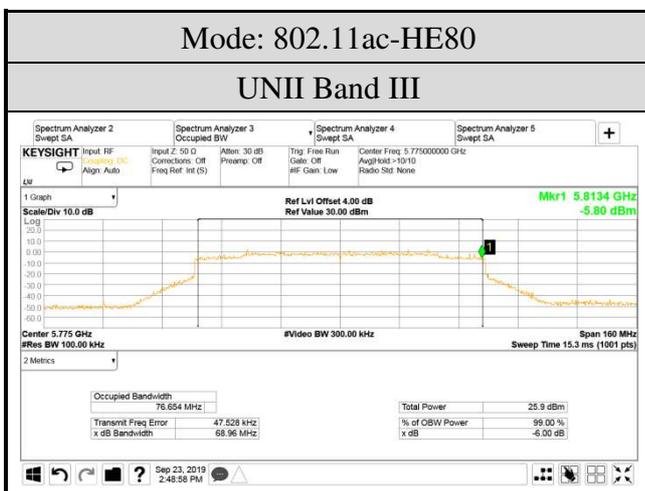
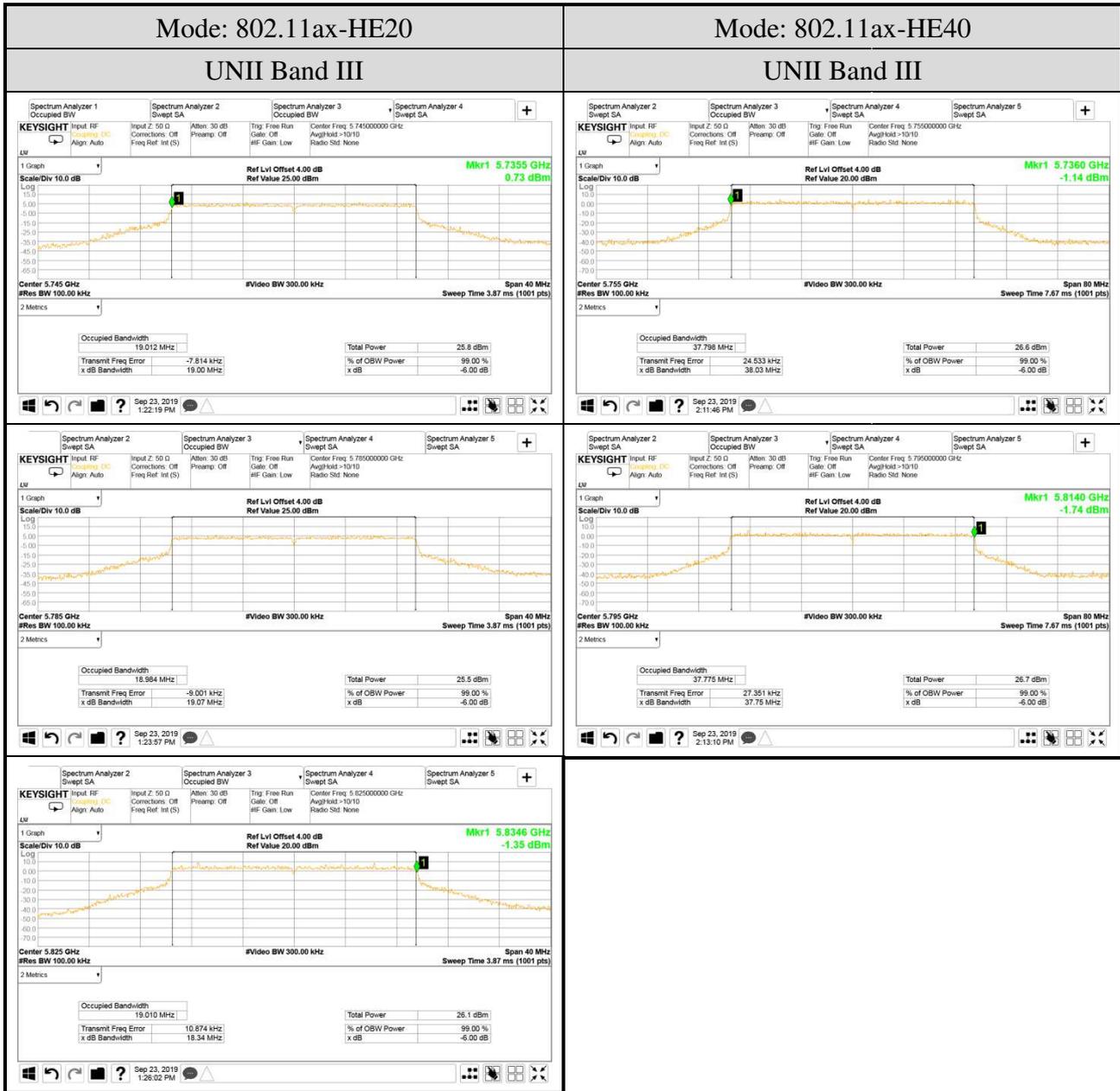
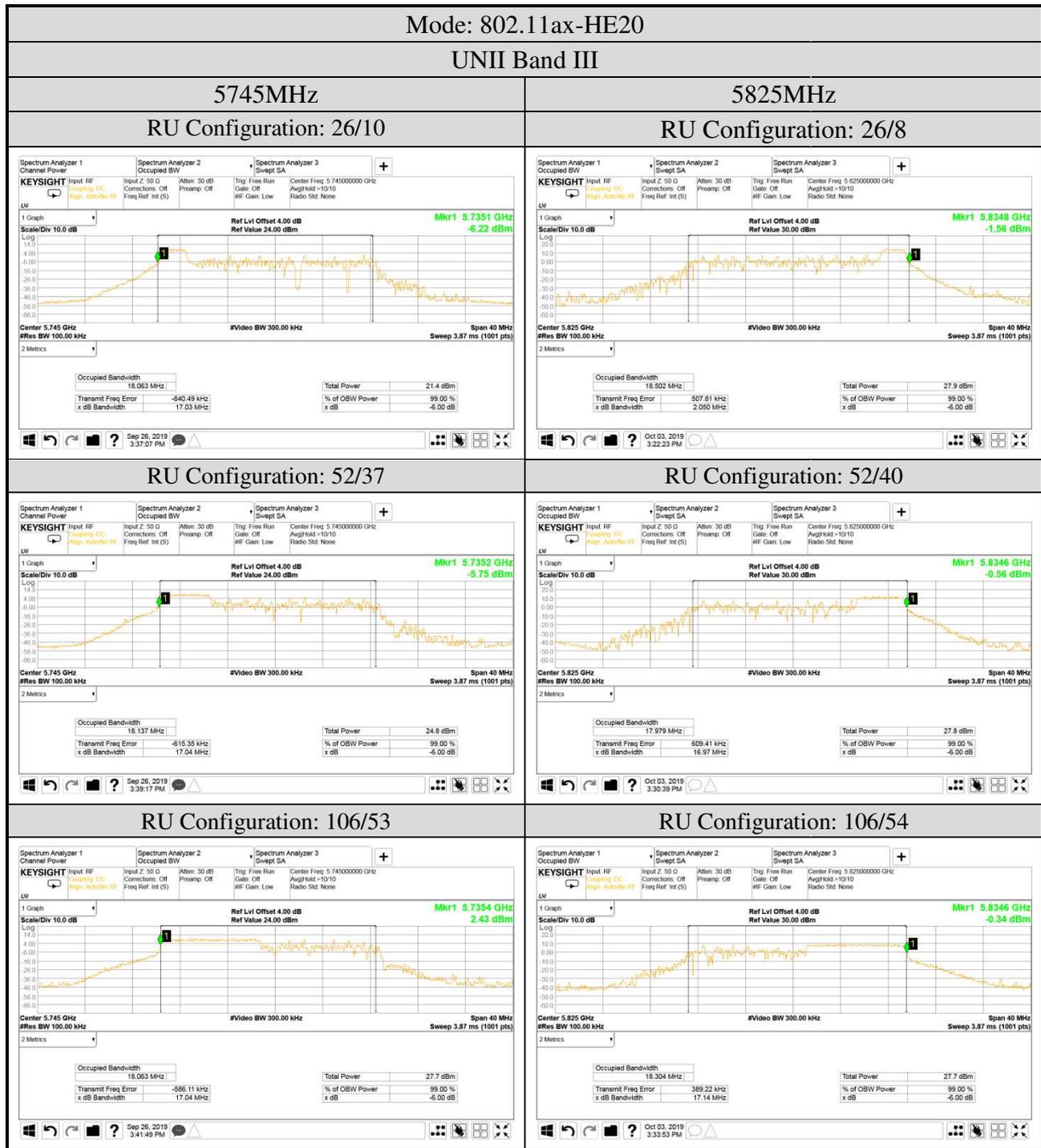


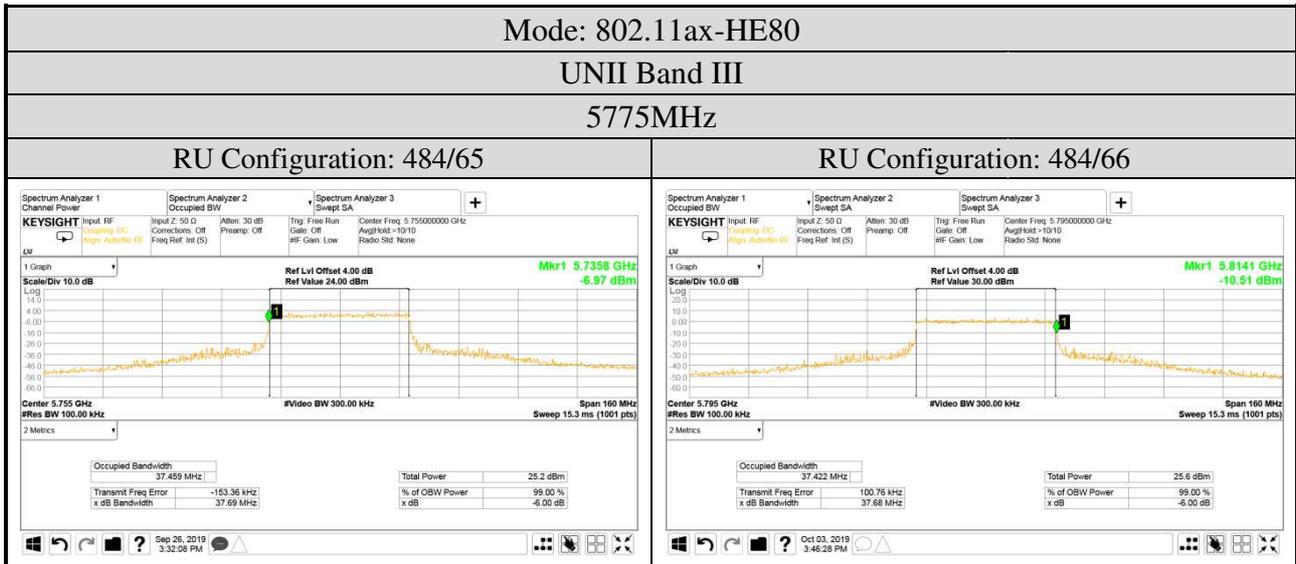
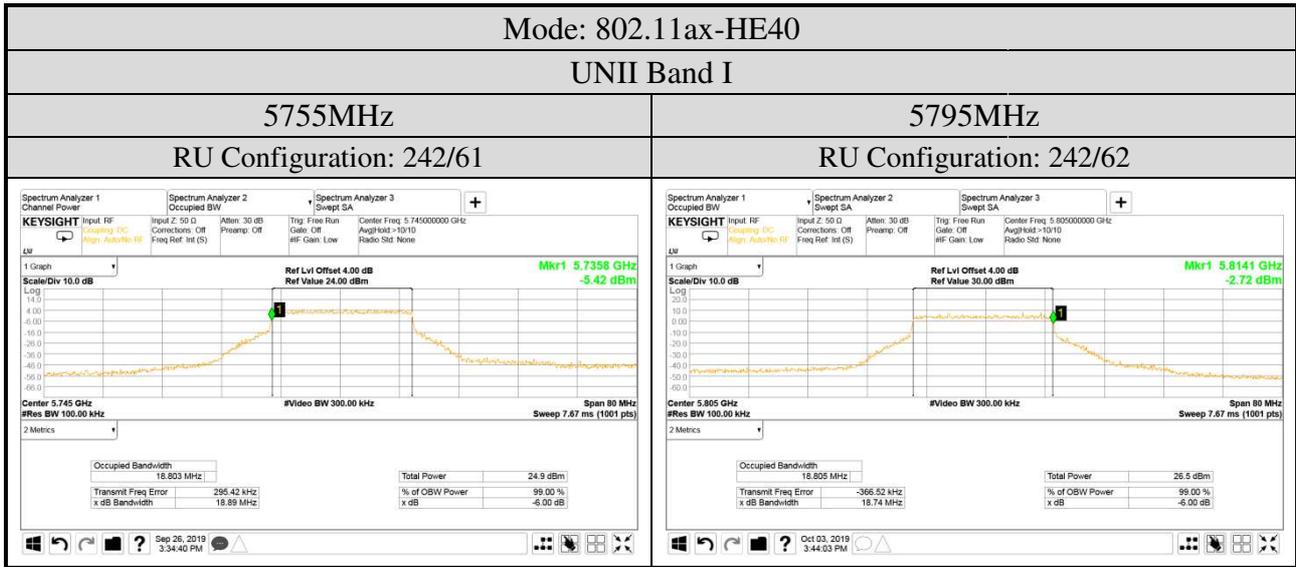
● For 6dB Bandwidth











A.4 MAXIMUM OUTPUT POWER

| | | | |
|--------------|-------------------------------|------------|----------------|
| Test Date | 2019/09/20, 25, 26,10/3 10/4 | Temp./Hum. | 23~24°C/47~53% |
| Cable Loss | 1.00 | Tested By | Martin Chen |
| Test Voltage | AC 120V 60Hz (Via AC Adapter) | Test Model | 15Z90N |

A.4.1 Average Output Power

| Mode | UNII Band | Centre Frequency (MHz) | Average Output Power(dBm) | | 10log (1/X) | Max Average Output Power | | Limit |
|---------|-----------|------------------------|---------------------------|---------|-------------|--------------------------|-------|----------------------|
| | | | Chain 0 | Chain 1 | | (dBm) | (W) | |
| 802.11a | I | 5180 | 18.20 | 18.09 | N/A | 18.20 | 0.066 | < 250 mW (24 dBm) |
| | | 5200 | 18.86 | 18.72 | | 18.86 | 0.077 | |
| | | 5240 | 19.89 | 19.72 | | 19.89 | 0.097 | |
| | II-2A | 5260 | 19.96 | 19.94 | | 19.96 | 0.099 | |
| | | 5300 | 18.98 | 18.77 | | 18.98 | 0.079 | |
| | | 5320 | 18.26 | 17.90 | | 18.26 | 0.067 | |
| | II-2C | 5500 | 18.49 | 18.29 | | 18.49 | 0.071 | |
| | | 5580 | 19.92 | 19.61 | | 19.92 | 0.098 | |
| | | 5700 | 17.75 | 18.26 | | 18.26 | 0.067 | |
| | | 5720 | 20.01 | 19.71 | | 20.01 | 0.100 | |
| | III | 5745 | 19.85 | 20.08 | | 20.08 | 0.102 | < 1 W (30 dBm) |
| | | 5785 | 19.72 | 20.01 | | 20.01 | 0.100 | |
| | | 5825 | 19.67 | 19.79 | | 19.79 | 0.095 | |

| Mode | UNII Band | Centre Frequency (MHz) | Average Output Power(dBm) | | 10log (1/X) | Total Average Output Power | | Limit |
|-----------------|-----------|------------------------|---------------------------|---------|-------------|----------------------------|-------|-------------------|
| | | | Chain 0 | Chain 1 | | (dBm) | (W) | |
| 802.11n-HT20 | I | 5180 | 15.58 | 15.33 | N/A | 18.47 | 0.070 | < 250 mW (24 dBm) |
| | | 5200 | 16.23 | 16.04 | | 19.15 | 0.082 | |
| | | 5240 | 17.46 | 17.18 | | 20.33 | 0.108 | |
| | II-2A | 5260 | 17.61 | 17.49 | | 20.56 | 0.114 | |
| | | 5300 | 16.35 | 16.07 | | 19.22 | 0.084 | |
| | | 5320 | 15.41 | 15.19 | | 18.31 | 0.068 | |
| | II-2C | 5500 | 15.82 | 15.55 | | 18.70 | 0.074 | |
| | | 5580 | 17.52 | 17.29 | | 20.42 | 0.110 | |
| | | 5700 | 15.11 | 14.57 | | 17.86 | 0.061 | |
| | | 5720 | 17.49 | 17.21 | | 20.36 | 0.109 | |
| | III | 5745 | 17.26 | 17.24 | | 20.26 | 0.106 | |
| | | 5785 | 17.35 | 17.25 | | 20.31 | 0.107 | |
| 5825 | | 17.28 | 17.26 | 20.28 | 0.107 | | | |
| 802.11n-HT40 | I | 5190 | 15.81 | 15.51 | N/A | 18.67 | 0.074 | < 250 mW (24 dBm) |
| | | 5230 | 17.35 | 17.11 | | 20.24 | 0.106 | |
| | II-2A | 5270 | 16.69 | 16.61 | | 19.66 | 0.092 | |
| | | 5310 | 14.78 | 14.52 | | 17.66 | 0.058 | |
| | II-2C | 5510 | 15.10 | 14.69 | | 17.91 | 0.062 | |
| | | 5550 | 15.89 | 15.65 | | 18.78 | 0.076 | |
| | | 5670 | 17.35 | 16.88 | | 20.13 | 0.103 | |
| | | 5710 | 17.98 | 17.55 | | 20.78 | 0.120 | |
| | III | 5755 | 17.68 | 17.65 | | 20.68 | 0.117 | |
| | | 5795 | 17.78 | 17.74 | | 20.77 | 0.119 | |
| 802.11ac-VHT80 | I | 5210 | 16.10 | 15.75 | N/A | 18.94 | 0.078 | < 250 mW (24 dBm) |
| | II-2A | 5290 | 14.79 | 14.58 | | 17.70 | 0.059 | |
| | | 5530 | 15.64 | 15.24 | | 18.45 | 0.070 | |
| | II-2C | 5610 | 17.83 | 17.64 | | 20.75 | 0.119 | |
| | | 5690 | 18.19 | 17.84 | | 21.03 | 0.127 | |
| | III | 5775 | 16.50 | 16.53 | | 19.53 | 0.090 | |
| 802.11ac-VHT160 | I/II-2A | 5250 | 11.94 | 11.84 | N/A | 14.90 | 0.031 | < 250 mW (24 dBm) |
| | II-2C | 5570 | 11.51 | 11.39 | | 14.46 | 0.028 | |

Note: The results have been included cable loss.

| Mode | UNII Band | Centre Frequency (MHz) | Average Output Power(dBm) | | 10log (1/X) | Total Average Output Power | | Limit |
|----------------|-----------|------------------------|---------------------------|---------|-------------|----------------------------|-------------------|-------------------|
| | | | Chain 0 | Chain 1 | | (dBm) | (W) | |
| 802.11ax-HE20 | I | 5180 | 15.51 | 15.28 | N/A | 18.41 | 0.069 | < 250 mW (24 dBm) |
| | | 5200 | 16.21 | 15.95 | | 19.09 | 0.081 | |
| | | 5240 | 17.37 | 17.22 | | 20.31 | 0.107 | |
| | II-2A | 5260 | 17.47 | 17.44 | | 20.47 | 0.111 | |
| | | 5300 | 16.22 | 16.01 | | 19.13 | 0.082 | |
| | | 5320 | 15.31 | 15.06 | | 18.20 | 0.066 | |
| | II-2C | 5500 | 15.76 | 15.46 | | 18.62 | 0.073 | |
| | | 5580 | 17.38 | 17.27 | | 20.34 | 0.108 | |
| | | 5700 | 15.01 | 14.45 | | 17.75 | 0.060 | |
| | | 5720 | 17.36 | 17.12 | | 20.25 | 0.106 | |
| | III | 5745 | 17.10 | 17.07 | | 20.10 | 0.102 | |
| | | 5785 | 17.22 | 17.16 | | 20.20 | 0.105 | |
| 5825 | | 17.17 | 17.13 | 20.16 | 0.104 | | | |
| 802.11ax-HE40 | I | 5190 | 15.59 | 15.37 | 18.49 | 0.071 | < 250 mW (24 dBm) | |
| | | 5230 | 17.11 | 16.94 | 20.04 | 0.101 | | |
| | II-2A | 5270 | 16.45 | 16.32 | 19.40 | 0.087 | | |
| | | 5310 | 14.47 | 14.26 | 17.38 | 0.055 | | |
| | II-2C | 5510 | 14.87 | 14.47 | 17.68 | 0.059 | | |
| | | 5550 | 15.67 | 15.44 | 18.57 | 0.072 | | |
| | | 5670 | 17.03 | 16.61 | 19.84 | 0.096 | | |
| | | 5710 | 17.73 | 17.30 | 20.53 | 0.113 | | |
| | III | 5755 | 17.41 | 17.34 | 20.39 | 0.109 | | |
| | | 5795 | 17.52 | 17.43 | 20.49 | 0.112 | | |
| 802.11ax-HE80 | I | 5210 | 15.55 | 15.57 | 18.57 | 0.072 | < 250 mW (24 dBm) | |
| | II-2A | 5290 | 14.33 | 14.34 | 17.35 | 0.054 | | |
| | | 5530 | 15.28 | 15.01 | 18.16 | 0.065 | | |
| | II-2C | 5610 | 17.71 | 17.47 | 20.60 | 0.115 | | |
| | | 5690 | 17.98 | 17.62 | 20.81 | 0.121 | | |
| | III | 5775 | 16.20 | 16.27 | 19.25 | 0.084 | | |
| 802.11ax-HE160 | I/II-2A | 5250 | 11.65 | 11.58 | 14.63 | 0.029 | < 250 mW (24 dBm) | |
| | II-2C | 5570 | 11.23 | 11.15 | 14.20 | 0.026 | | |

Note: The results have been included cable loss.

| Mode | UNII Band | Centre Frequency (MHz) | RU Configuration | Average Output Power(dBm) | | 10log (1/X) | Total Average Output Power | | Limit |
|---------------|-----------|------------------------|------------------|---------------------------|---------|-------------|----------------------------|-------------------|-------------------|
| | | | | Chain 0 | Chain 1 | | (dBm) | (W) | |
| 802.11ax-HE20 | I | 5180 | 26/0 | 11.43 | 11.18 | N/A | 14.32 | 0.027 | < 250 mW (24 dBm) |
| | | | 52/37 | 14.45 | 14.25 | | 17.36 | 0.054 | |
| | | | 106/53 | 15.68 | 15.46 | | 18.58 | 0.072 | |
| | II-2A | 5320 | 26/8 | 11.82 | 11.63 | | 14.74 | 0.030 | |
| | | | 52/40 | 12.06 | 11.92 | | 15.00 | 0.032 | |
| | | | 106/54 | 15.55 | 15.35 | | 18.46 | 0.070 | |
| | II-2C | 5500 | 26/0 | 11.74 | 11.43 | | 14.60 | 0.029 | |
| | | | 52/37 | 14.76 | 14.48 | | 17.63 | 0.058 | |
| | | | 106/53 | 15.78 | 15.64 | | 18.72 | 0.074 | |
| | | 5700 | 26/8 | 11.89 | 11.42 | | 14.67 | 0.029 | |
| | | | 52/40 | 13.06 | 12.59 | | 15.84 | 0.038 | |
| | | | 106/54 | 14.72 | 14.17 | | 17.46 | 0.056 | |
| | III | 5745 | 26/0 | 11.58 | 11.45 | | 14.53 | 0.028 | |
| | | | 52/37 | 14.60 | 14.54 | | 17.58 | 0.057 | |
| | | | 106/53 | 17.17 | 17.15 | | 20.17 | 0.104 | |
| | | 5825 | 26/8 | 16.65 | 16.42 | | 19.55 | 0.090 | |
| 52/40 | | | 16.86 | 16.68 | 19.78 | 0.095 | | | |
| 106/54 | | | 16.96 | 16.64 | 19.81 | 0.096 | | | |
| 802.11ax-HE40 | I | 5190 | 242/61 | 15.42 | 15.34 | 18.39 | 0.069 | < 250 mW (24 dBm) | |
| | II-2A | 5310 | 242/62 | 14.59 | 14.36 | 17.49 | 0.056 | | |
| | II-2C | 5510 | 242/61 | 15.05 | 14.75 | 17.91 | 0.062 | | |
| | | 5670 | 242/62 | 16.98 | 16.64 | 19.82 | 0.096 | | |
| | III | 5755 | 242/61 | 17.03 | 17.02 | 20.04 | 0.101 | < 1 W (30 dBm) | |
| | | 5795 | 242/62 | 16.98 | 16.96 | 19.98 | 0.100 | | |

| Mode | UNII Band | Centre Frequency (MHz) | RU Configuration | Average Output Power(dBm) | | 10log (1/X) | Total Average Output Power | | Limit |
|----------------|-----------|------------------------|------------------|---------------------------|---------|-------------|----------------------------|-------|-------------------|
| | | | | Chain 0 | Chain 1 | | (dBm) | (W) | |
| 802.11ax-HE80 | I | 5210 | 484/65 | 15.21 | 15.47 | N/A | 18.35 | 0.068 | < 250 mW (24 dBm) |
| | II-2A | 5290 | 484/66 | 12.33 | 11.76 | | 15.06 | 0.032 | |
| | II-2C | 5530 | 484/65 | 13.85 | 13.53 | | 16.70 | 0.047 | |
| | | 5610 | 484/66 | 15.78 | 15.62 | | 18.71 | 0.074 | |
| | III | 5775 | 484/65 | 15.39 | 16.22 | | 18.84 | 0.077 | < 1 W (30 dBm) |
| | | | 484/66 | 15.71 | 15.45 | | 18.59 | 0.072 | |
| 802.11ax-HE160 | I/II-2A | 5250 | 996/67 | 10.75 | 10.59 | N/A | 13.68 | 0.023 | < 250 mW (24 dBm) |
| | | | 996/S67 | 10.47 | 10.34 | | 13.42 | 0.022 | |
| | II-2C | 5570 | 996/67 | 10.14 | 9.53 | | 12.86 | 0.019 | |
| | | | 996/S67 | 9.90 | 9.71 | | 12.82 | 0.019 | |

Note: The results have been included cable loss.

A.4.2 Measurement Plots

