

A.4 MAXIMUM PEAK OUTPUT POWER

| | | | |
|--------------|--------------------------------|------------|-----------------------------|
| Test Date | 2021/12/27 ~ 29, 2022/01/28 | Temp./Hum. | 14~16°C/63~70%, 18°C/70% |
| Cable Loss | 0.5dB | Tested By | Kuper Hsu |
| Test Voltage | AC 120V, 60Hz (via AC Adapter) | | |

A.4.1 Peak Output Power

● SPOT CHECK Power

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Max. Peak Output Power | |
|---------|------------------------|-------------------------|---------|------------------------|--------------|
| | | Chain 0 | Chain 1 | (dBm) | (W) |
| 802.11b | 2412 | 23.01 | 23.12 | 23.12 | 0.205 |
| | 2442 | 23.05 | 23.29 | 23.29 | 0.213 |
| | 2462 | 23.1 | 23.25 | 23.25 | 0.211 |
| | 2467 | 22.49 | 22.71 | 22.71 | 0.187 |
| | 2472 | 19.97 | 20.09 | 20.09 | 0.102 |

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Max. Peak Output Power | |
|---------|------------------------|-------------------------|---------|------------------------|--------------|
| | | Chain 0 | Chain 1 | (dBm) | (W) |
| 802.11g | 2412 | 21.49 | 21.82 | 21.82 | 0.152 |
| | 2417 | 23.11 | 23.28 | 23.28 | 0.213 |
| | 2442 | 23.65 | 23.74 | 23.74 | 0.237 |
| | 2457 | 22.68 | 23.3 | 23.30 | 0.214 |
| | 2462 | 21.19 | 21.56 | 21.56 | 0.143 |
| | 2467 | 19.34 | 19.04 | 19.34 | 0.086 |
| | 2472 | 15.77 | 15.81 | 15.81 | 0.038 |

Note: 1. The results have been included cable loss.

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | |
|------------------|------------------------|-------------------------|---------|-------------------------|--------------|
| | | Chain 0 | Chain 1 | (dBm) | (W) |
| 802.11n- HT20 | 2412 | 20.4 | 19.79 | 23.12 | 0.205 |
| | 2417 | 21.02 | 21.44 | 24.25 | 0.266 |
| | 2422 | 22.43 | 22.56 | 25.51 | 0.356 |
| | 2442 | 23.29 | 23.75 | 26.54 | 0.451 |
| | 2457 | 22.38 | 22.55 | 25.48 | 0.353 |
| | 2462 | 19.55 | 19.62 | 22.60 | 0.182 |
| | 2467 | 15.58 | 15.51 | 18.56 | 0.072 |
| | 2472 | 13.34 | 13.52 | 16.44 | 0.044 |

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | |
|------------------|------------------------|-------------------------|---------|-------------------------|--------------|
| | | Chain 0 | Chain 1 | (dBm) | (W) |
| 802.11n- HT40 | 2422 | 20.05 | 20.28 | 23.18 | 0.208 |
| | 2442 | 21.05 | 21.22 | 24.15 | 0.260 |
| | 2452 | 20.19 | 19.82 | 23.02 | 0.200 |
| | 2457 | 17.86 | 17.24 | 20.57 | 0.114 |
| | 2462 | 14.77 | 14.57 | 17.68 | 0.059 |

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | |
|-------------------|------------------------|-------------------------|---------|-------------------------|--------------|
| | | Chain 0 | Chain 1 | (dBm) | (W) |
| 802.11ax- HE20 | 2412 | 20.32 | 20.2 | 23.27 | 0.212 |
| | 2417 | 21.27 | 21.51 | 24.40 | 0.275 |
| | 2422 | 22.32 | 22.45 | 25.40 | 0.347 |
| | 2442 | 23.23 | 23.93 | 26.60 | 0.457 |
| | 2457 | 22.82 | 23.55 | 26.21 | 0.418 |
| | 2462 | 19.7 | 19.59 | 22.66 | 0.185 |
| | 2467 | 15.89 | 15.77 | 18.84 | 0.077 |
| | 2472 | 14.02 | 13.75 | 16.90 | 0.049 |

Note: 1. The results have been included cable loss.

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | |
|---------------|------------------------|-------------------------|---------|-------------------------|--------------|
| | | Chain 0 | Chain 1 | (dBm) | (W) |
| 802.11ax-HE40 | 2422 | 20.37 | 20.24 | 23.32 | 0.215 |
| | 2442 | 21.11 | 21.31 | 24.22 | 0.264 |
| | 2452 | 20.21 | 19.88 | 23.06 | 0.202 |
| | 2457 | 17.54 | 17.36 | 20.46 | 0.111 |
| | 2462 | 13.83 | 13.47 | 16.66 | 0.046 |

| Mode | RU Configuration | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | |
|---------------|------------------|------------------------|-------------------------|---------|-------------------------|--------------|
| | | | Chain 0 | Chain 1 | (dBm) | (W) |
| 802.11ax-HE20 | 26/0 | 2412 | 23.51 | 22.42 | 26.01 | 0.399 |
| | 52/37 | | 23.51 | 22.93 | 26.24 | 0.421 |
| | 106/53 | | 23.47 | 22.85 | 26.18 | 0.415 |
| | 26/8 | 2472 | 18.96 | 18.54 | 21.77 | 0.150 |
| | 52/40 | | 19.56 | 19.22 | 22.40 | 0.174 |
| | 106/54 | | 19.53 | 19.18 | 22.37 | 0.173 |

| Mode | RU Configuration | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | |
|---------------|------------------|------------------------|-------------------------|---------|-------------------------|--------------|
| | | | Chain 0 | Chain 1 | (dBm) | (W) |
| 802.11ax-HE40 | 242/61 | 2422 | 21.31 | 20.34 | 23.86 | 0.243 |
| | 242/62 | 2467 | 20.87 | 20.49 | 23.69 | 0.234 |

Note: 1. The results have been included cable loss.

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Max. Peak Output Power | |
|--------------------|------------------------|-------------------------|---------|------------------------|---------------|
| | | Chain 0 | Chain 1 | (dBm) | (W) |
| BLE (1M) | 2402 | 5.31 | --- | 5.31 | 0.0034 |
| | 2440 | 5.49 | --- | 5.49 | 0.0035 |
| | 2480 | 5.58 | --- | 5.58 | 0.0036 |
| BLE (2M) | 2402 | 5.49 | --- | 5.49 | 0.0034 |
| | 2440 | 5.61 | --- | 5.61 | 0.0035 |
| | 2480 | 5.87 | --- | 5.87 | 0.0036 |
| BLE (PHY Coded S2) | 2402 | 5.39 | --- | 5.39 | 0.0034 |
| | 2440 | 5.19 | --- | 5.19 | 0.0035 |
| | 2480 | 5.28 | --- | 5.28 | 0.0036 |
| BLE (PHY Coded S8) | 2402 | 5.09 | --- | 5.09 | 0.0034 |
| | 2440 | 5.33 | --- | 5.33 | 0.0035 |
| | 2480 | 5.17 | --- | 5.17 | 0.0036 |

Note: 1. The results have been included cable loss.

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

● **FCC ID: BEJNT-16Z90Q & IC: 2703H-16Z90Q Power**

Test SKU: SKU #1

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Max. Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------|------------------------|-------------------------|---------|------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11b | 2412 | 23.29 | 23.36 | 23.36 | 0.217 | 3.2 | 26.56 | 0.453 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 23.26 | 23.38 | 23.38 | 0.218 | | 26.58 | 0.455 | |
| | 2462 | 23.34 | 23.42 | 23.42 | 0.220 | | 26.62 | 0.459 | |
| | 2467 | 22.72 | 22.54 | 22.72 | 0.187 | | 25.92 | 0.391 | |
| | 2472 | 20.91 | 20.26 | 20.91 | 0.123 | | 24.11 | 0.258 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Max. Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------|------------------------|-------------------------|---------|------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11g | 2412 | 21.64 | 22.05 | 22.05 | 0.160 | 3.2 | 25.25 | 0.335 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 23.27 | 23.51 | 23.51 | 0.224 | | 26.71 | 0.469 | |
| | 2442 | 23.81 | 23.86 | 23.86 | 0.243 | | 27.06 | 0.508 | |
| | 2457 | 23.17 | 23.44 | 23.44 | 0.221 | | 26.64 | 0.461 | |
| | 2462 | 21.29 | 21.59 | 21.59 | 0.144 | | 24.79 | 0.301 | |
| | 2467 | 19.11 | 19.37 | 19.37 | 0.086 | | 22.57 | 0.181 | |
| | 2472 | 16.94 | 16.96 | 16.96 | 0.050 | | 20.16 | 0.104 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11n- HT20 | 2412 | 20.14 | 20.19 | 23.18 | 0.208 | 3.2 | 26.38 | 0.435 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 21.57 | 21.67 | 24.63 | 0.290 | | 27.83 | 0.607 | |
| | 2422 | 22.61 | 22.67 | 25.65 | 0.367 | | 28.85 | 0.767 | |
| | 2442 | 23.72 | 23.82 | 26.78 | 0.476 | | 29.98 | 0.995 | |
| | 2457 | 22.78 | 23.09 | 25.95 | 0.394 | | 29.15 | 0.822 | |
| | 2462 | 19.45 | 19.57 | 22.52 | 0.179 | | 25.72 | 0.373 | |
| | 2467 | 15.84 | 15.81 | 18.84 | 0.077 | | 22.04 | 0.160 | |
| | 2472 | 13.46 | 13.55 | 16.52 | 0.045 | | 19.72 | 0.094 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11n- HT40 | 2422 | 20.68 | 20.52 | 23.61 | 0.230 | 3.2 | 26.81 | 0.480 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 21.39 | 21.33 | 24.37 | 0.274 | | 27.57 | 0.571 | |
| | 2452 | 20.54 | 20.48 | 23.52 | 0.225 | | 26.72 | 0.470 | |
| | 2457 | 17.16 | 17.25 | 20.22 | 0.105 | | 23.42 | 0.220 | |
| | 2462 | 14.65 | 14.72 | 17.70 | 0.059 | | 20.90 | 0.123 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|-------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax- HE20 | 2412 | 20.43 | 20.24 | 23.35 | 0.216 | 3.2 | 26.55 | 0.452 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 21.84 | 21.69 | 24.78 | 0.301 | | 27.98 | 0.628 | |
| | 2422 | 23.08 | 22.82 | 25.96 | 0.394 | | 29.16 | 0.824 | |
| | 2442 | 23.96 | 24.01 | 27.00 | 0.501 | | 30.20 | 1.047 | |
| | 2457 | 22.64 | 22.52 | 25.59 | 0.362 | | 28.79 | 0.757 | |
| | 2462 | 19.66 | 19.81 | 22.75 | 0.188 | | 25.95 | 0.394 | |
| | 2467 | 15.59 | 15.79 | 18.70 | 0.074 | | 21.90 | 0.155 | |
| | 2472 | 13.55 | 13.83 | 16.70 | 0.047 | | 19.90 | 0.098 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE40 | 2422 | 20.67 | 20.74 | 23.72 | 0.236 | 3.2 | 26.92 | 0.492 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 21.34 | 21.46 | 24.41 | 0.276 | | 27.61 | 0.577 | |
| | 2452 | 20.35 | 20.46 | 23.42 | 0.220 | | 26.62 | 0.459 | |
| | 2457 | 16.92 | 17.05 | 20.00 | 0.100 | | 23.20 | 0.209 | |
| | 2462 | 13.18 | 13.33 | 16.27 | 0.042 | | 19.47 | 0.089 | |

Note: The results have been included cable loss.

| Mode | RU Configuration | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------------|------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE20 | 26/0 | 2412 | 22.79 | 22.91 | 25.86 | 0.385 | 3.2 | 29.06 | 0.805 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 52/37 | | 22.85 | 22.93 | 25.90 | 0.389 | | 29.10 | 0.813 | |
| | 106/53 | | 23.01 | 23.15 | 26.09 | 0.406 | | 29.29 | 0.849 | |
| | 26/8 | 2472 | 18.68 | 18.72 | 21.71 | 0.148 | | 24.91 | 0.310 | |
| | 52/40 | | 19.21 | 19.18 | 22.21 | 0.166 | | 25.41 | 0.348 | |
| | 106/54 | | 19.25 | 19.19 | 22.23 | 0.167 | | 25.43 | 0.349 | |

Note: The results have been included cable loss.

| Mode | RU Configuration | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------------|------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE40 | 242/61 | 2422 | 20.61 | 20.57 | 23.60 | 0.229 | 3.2 | 26.80 | 0.479 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 242/62 | 2467 | 20.08 | 20.02 | 23.06 | 0.202 | | 26.26 | 0.423 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Max. Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|--------------------|------------------------|-------------------------|---------|------------------------|---------------|--------------------|-------------------------|---------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| BLE (1M) | 2402 | 5.47 | --- | 5.47 | 0.0035 | 3.2 | 8.67 | 0.0074 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2440 | 5.60 | --- | 5.60 | 0.0036 | | 8.80 | 0.0076 | |
| | 2480 | 5.62 | --- | 5.62 | 0.0036 | | 8.82 | 0.0076 | |
| BLE (2M) | 2402 | 5.52 | --- | 5.52 | 0.0036 | | 8.72 | 0.0074 | |
| | 2440 | 5.56 | --- | 5.56 | 0.0036 | | 8.76 | 0.0075 | |
| | 2480 | 5.64 | --- | 5.64 | 0.0037 | | 8.84 | 0.0077 | |
| BLE (PHY Coded S2) | 2402 | 5.38 | --- | 5.38 | 0.0035 | | 8.58 | 0.0072 | |
| | 2440 | 5.52 | --- | 5.52 | 0.0036 | | 8.72 | 0.0074 | |
| | 2480 | 5.60 | --- | 5.60 | 0.0036 | | 8.80 | 0.0076 | |
| BLE (PHY Coded S8) | 2402 | 5.39 | --- | 5.39 | 0.0035 | | 8.59 | 0.0072 | |
| | 2440 | 5.53 | --- | 5.53 | 0.0036 | | 8.73 | 0.0075 | |
| | 2480 | 5.60 | --- | 5.60 | 0.0036 | | 8.80 | 0.0076 | |

Note: The results have been included cable loss.

Test SKU: SKU #2

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Max. Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------|------------------------|-------------------------|---------|------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11b | 2412 | 23.29 | 23.36 | 23.36 | 0.217 | 6.3 | 29.66 | 0.925 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 23.26 | 23.38 | 23.38 | 0.218 | | 29.68 | 0.929 | |
| | 2462 | 23.34 | 23.42 | 23.42 | 0.220 | | 29.72 | 0.938 | |
| | 2467 | 22.72 | 22.54 | 22.72 | 0.187 | | 29.02 | 0.798 | |
| | 2472 | 20.91 | 20.26 | 20.91 | 0.123 | | 27.21 | 0.526 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Max. Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------|------------------------|-------------------------|---------|------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11g | 2412 | 21.64 | 22.05 | 22.05 | 0.160 | 6.3 | 28.35 | 0.684 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 23.27 | 23.51 | 23.51 | 0.224 | | 29.81 | 0.957 | |
| | 2442 | 23.81 | 23.86 | 23.86 | 0.243 | | 30.16 | 1.038 | |
| | 2457 | 23.17 | 23.44 | 23.44 | 0.221 | | 29.74 | 0.942 | |
| | 2462 | 21.29 | 21.59 | 21.59 | 0.144 | | 27.89 | 0.615 | |
| | 2467 | 19.11 | 19.37 | 19.37 | 0.086 | | 25.67 | 0.369 | |
| | 2472 | 16.94 | 16.96 | 16.96 | 0.050 | | 23.26 | 0.212 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11n- HT20 | 2412 | 20.14 | 20.19 | 23.18 | 0.208 | 6.3 | 29.48 | 0.887 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 21.57 | 21.67 | 24.63 | 0.290 | | 30.93 | 1.239 | |
| | 2422 | 22.61 | 22.67 | 25.65 | 0.367 | | 31.95 | 1.567 | |
| | 2442 | 23.72 | 23.82 | 26.78 | 0.476 | | 33.08 | 2.032 | |
| | 2457 | 22.78 | 23.09 | 25.95 | 0.394 | | 32.25 | 1.679 | |
| | 2462 | 19.45 | 19.57 | 22.52 | 0.179 | | 28.82 | 0.762 | |
| | 2467 | 15.84 | 15.81 | 18.84 | 0.077 | | 25.14 | 0.327 | |
| | 2472 | 13.46 | 13.55 | 16.52 | 0.045 | | 22.82 | 0.191 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11n- HT40 | 2422 | 20.68 | 20.52 | 23.61 | 0.230 | 6.3 | 29.91 | 0.979 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 21.39 | 21.33 | 24.37 | 0.274 | | 30.67 | 1.167 | |
| | 2452 | 20.54 | 20.48 | 23.52 | 0.225 | | 29.82 | 0.959 | |
| | 2457 | 17.16 | 17.25 | 20.22 | 0.105 | | 26.52 | 0.449 | |
| | 2462 | 14.65 | 14.72 | 17.70 | 0.059 | | 24.00 | 0.251 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|-------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax- HE20 | 2412 | 20.43 | 20.24 | 23.35 | 0.216 | 6.3 | 29.65 | 0.923 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 21.84 | 21.69 | 24.78 | 0.301 | | 31.08 | 1.282 | |
| | 2422 | 23.08 | 22.82 | 25.96 | 0.394 | | 32.26 | 1.683 | |
| | 2442 | 23.96 | 24.01 | 27.00 | 0.501 | | 33.30 | 2.138 | |
| | 2457 | 22.64 | 22.52 | 25.59 | 0.362 | | 31.89 | 1.545 | |
| | 2462 | 19.66 | 19.81 | 22.75 | 0.188 | | 29.05 | 0.804 | |
| | 2467 | 15.59 | 15.79 | 18.70 | 0.074 | | 25.00 | 0.316 | |
| | 2472 | 13.55 | 13.83 | 16.70 | 0.047 | | 23.00 | 0.200 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE40 | 2422 | 20.67 | 20.74 | 23.72 | 0.236 | 6.3 | 30.02 | 1.005 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 21.34 | 21.46 | 24.41 | 0.276 | | 30.71 | 1.178 | |
| | 2452 | 20.35 | 20.46 | 23.42 | 0.220 | | 29.72 | 0.938 | |
| | 2457 | 16.92 | 17.05 | 20.00 | 0.100 | | 26.30 | 0.427 | |
| | 2462 | 13.18 | 13.33 | 16.27 | 0.042 | | 22.57 | 0.181 | |

Note: The results have been included cable loss.

| Mode | RU Configuration | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------------|------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|---|
| | | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE20 | 26/0 | 2412 | 22.79 | 22.91 | 25.86 | 0.385 | 6.3 | 32.16 | 1.644 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 52/37 | | 22.85 | 22.93 | 25.90 | 0.389 | | 32.20 | 1.660 | |
| | 106/53 | | 23.01 | 23.15 | 26.09 | 0.406 | | 32.39 | 1.734 | |
| | 26/8 | 2472 | 18.68 | 18.72 | 21.71 | 0.148 | | 28.01 | 0.632 | |
| | 52/40 | | 19.21 | 19.18 | 22.21 | 0.166 | | 28.51 | 0.710 | |
| | 106/54 | | 19.25 | 19.19 | 22.23 | 0.167 | | 28.53 | 0.713 | |

Note: The results have been included cable loss.

| Mode | RU Configuration | Centre Frequency (MHz) | Peak Output Power (dBm) | | Total Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|---------------|------------------|------------------------|-------------------------|---------|-------------------------|--------------|--------------------|-------------------------|--------------|---|
| | | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE40 | 242/61 | 2422 | 20.61 | 20.57 | 23.60 | 0.229 | 6.3 | 29.90 | 0.977 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 242/62 | 2467 | 20.08 | 20.02 | 23.06 | 0.202 | | 29.36 | 0.863 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Peak Output Power (dBm) | | Max. Peak Output Power | | Antenna Gain (dBi) | Output Power (E.I.R.P.) | | Limit |
|--------------------|------------------------|-------------------------|---------|------------------------|---------------|--------------------|-------------------------|---------------|--|
| | | Chain 0 | Chain 1 | (dBm) | (W) | | (dBm) | (W) | |
| BLE (1M) | 2402 | 5.47 | --- | 5.47 | 0.0035 | 6.3 | 11.77 | 0.0150 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2440 | 5.60 | --- | 5.60 | 0.0036 | | 11.90 | 0.0155 | |
| | 2480 | 5.62 | --- | 5.62 | 0.0036 | | 11.92 | 0.0156 | |
| BLE (2M) | 2402 | 5.52 | --- | 5.52 | 0.0036 | | 11.82 | 0.0152 | |
| | 2440 | 5.56 | --- | 5.56 | 0.0036 | | 11.86 | 0.0153 | |
| | 2480 | 5.64 | --- | 5.64 | 0.0037 | | 11.94 | 0.0156 | |
| BLE (PHY Coded S2) | 2402 | 5.38 | --- | 5.38 | 0.0035 | | 11.68 | 0.0147 | |
| | 2440 | 5.52 | --- | 5.52 | 0.0036 | | 11.82 | 0.0152 | |
| | 2480 | 5.60 | --- | 5.60 | 0.0036 | | 11.90 | 0.0155 | |
| BLE (PHY Coded S8) | 2402 | 5.39 | --- | 5.39 | 0.0035 | | 11.69 | 0.0148 | |
| | 2440 | 5.53 | --- | 5.53 | 0.0036 | | 11.83 | 0.0152 | |
| | 2480 | 5.60 | --- | 5.60 | 0.0036 | | 11.90 | 0.0155 | |

Note: The results have been included cable loss.

A.4.2 Average Output Power (Reporting only)

● SPOT CHECK Power

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Max. Average Output Power | |
|---------|------------------------|----------------------------|---------|-------------|---------------------------|--------------|
| | | Chain 0 | Chain 1 | | (dBm) | (W) |
| 802.11b | 2412 | 19.48 | 19.64 | 0 | 19.64 | 0.092 |
| | 2442 | 19.72 | 19.76 | | 19.76 | 0.095 |
| | 2462 | 19.67 | 19.75 | | 19.75 | 0.094 |
| | 2467 | 18.74 | 18.65 | | 18.74 | 0.075 |
| | 2472 | 16.39 | 15.65 | | 16.39 | 0.044 |

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Max. Average Output Power | |
|---------|------------------------|----------------------------|---------|-------------|---------------------------|--------------|
| | | Chain 0 | Chain 1 | | (dBm) | (W) |
| 802.11g | 2412 | 16.56 | 16.95 | 0 | 16.95 | 0.050 |
| | 2417 | 18.48 | 18.58 | | 18.58 | 0.072 |
| | 2442 | 19.24 | 19.26 | | 19.26 | 0.084 |
| | 2457 | 18.14 | 18.39 | | 18.39 | 0.069 |
| | 2462 | 16.35 | 16.61 | | 16.61 | 0.046 |
| | 2467 | 14.21 | 14.28 | | 14.28 | 0.027 |
| | 2472 | 11.09 | 11.31 | | 11.31 | 0.014 |

Note: 1. The results have been included cable loss.

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q, IC: 2703H-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | |
|--------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|
| | | Chain 0 | Chain 1 | | (dBm) | (W) |
| 802.11n-HT20 | 2412 | 15.54 | 14.84 | 0 | 18.21 | 0.066 |
| | 2417 | 16.23 | 16.32 | | 19.29 | 0.085 |
| | 2422 | 17.38 | 17.45 | | 20.43 | 0.110 |
| | 2442 | 19.02 | 19.11 | | 22.08 | 0.161 |
| | 2457 | 17.67 | 17.84 | | 20.77 | 0.119 |
| | 2462 | 14.28 | 14.43 | | 17.37 | 0.055 |
| | 2467 | 10.61 | 10.54 | | 13.59 | 0.023 |
| | 2472 | 7.72 | 7.68 | | 10.71 | 0.012 |

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | |
|--------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|
| | | Chain 0 | Chain 1 | | (dBm) | (W) |
| 802.11n-HT40 | 2422 | 13.89 | 14.03 | 0 | 16.97 | 0.050 |
| | 2442 | 14.73 | 14.84 | | 17.80 | 0.060 |
| | 2452 | 13.91 | 13.68 | | 16.81 | 0.048 |
| | 2457 | 11.07 | 11.04 | | 14.07 | 0.026 |
| | 2467 | 6.34 | 6.49 | | 9.43 | 0.009 |

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | |
|---------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|
| | | Chain 0 | Chain 1 | | (dBm) | (W) |
| 802.11ax-HE20 | 2412 | 16.22 | 16.37 | 0 | 19.31 | 0.085 |
| | 2417 | 17.37 | 17.46 | | 20.43 | 0.110 |
| | 2422 | 17.98 | 18.12 | | 21.06 | 0.128 |
| | 2442 | 19.65 | 19.25 | | 22.46 | 0.176 |
| | 2457 | 18.19 | 17.91 | | 21.06 | 0.128 |
| | 2462 | 14.79 | 14.49 | | 17.65 | 0.058 |
| | 2467 | 10.78 | 10.59 | | 13.70 | 0.023 |
| | 2472 | 7.67 | 7.58 | | 10.64 | 0.012 |

Note: 1. The results have been included cable loss.

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q, IC: 2703H-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | |
|---------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|
| | | Chain 0 | Chain 1 | | (dBm) | (W) |
| 802.11ax-HE40 | 2422 | 13.84 | 13.79 | 0 | 16.83 | 0.048 |
| | 2442 | 14.56 | 14.65 | | 17.62 | 0.058 |
| | 2452 | 13.69 | 13.46 | | 16.59 | 0.046 |
| | 2457 | 10.92 | 10.81 | | 13.88 | 0.024 |
| | 2467 | 6.85 | 6.52 | | 9.70 | 0.009 |

| Mode | RU Config | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | |
|---------------|-----------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|
| | | | Chain 0 | Chain 1 | | (dBm) | (W) |
| 802.11ax-HE20 | 26/0 | 2412 | 18.85 | 17.90 | 0 | 21.41 | 0.138 |
| | 52/37 | | 18.25 | 18.69 | | 21.49 | 0.141 |
| | 106/53 | | 18.10 | 18.26 | | 21.19 | 0.132 |
| | 26/8 | 2472 | 5.62 | 5.00 | | 8.33 | 0.007 |
| | 52/40 | | 6.05 | 6.17 | | 9.12 | 0.008 |
| | 106/54 | | 6.11 | 6.25 | | 9.19 | 0.008 |

| Mode | RU Config | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | |
|---------------|-----------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|
| | | | Chain 0 | Chain 1 | | (dBm) | (W) |
| 802.11ax-HE40 | 242/61 | 2422 | 16.18 | 15.33 | 0 | 18.79 | 0.076 |
| | 242/62 | 2467 | 8.16 | 8.44 | | 11.31 | 0.014 |

Note: 1. The results have been included cable loss.

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q, IC: 2703H-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results except to E.I.R.P. test items.

● **FCC ID: BEJNT-16Z90Q & IC: 2703H-16Z90Q Output Power**

Test SKU: SKU #1

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Max. Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------|------------------------|----------------------------|---------|-------------|---------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11b | 2412 | 19.91 | 19.94 | 0 | 19.94 | 0.099 | 3.2 | 23.14 | 0.206 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 19.71 | 19.88 | | 19.88 | 0.097 | | 23.08 | 0.203 | |
| | 2462 | 19.78 | 19.92 | | 19.92 | 0.098 | | 23.12 | 0.205 | |
| | 2467 | 18.94 | 18.83 | | 18.94 | 0.078 | | 22.14 | 0.164 | |
| | 2472 | 16.75 | 15.81 | | 16.75 | 0.047 | | 19.95 | 0.099 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Max. Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------|------------------------|----------------------------|---------|-------------|---------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11g | 2412 | 16.80 | 17.17 | 0.143 | 17.17 | 0.052 | 3.2 | 20.37 | 0.109 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 18.53 | 18.79 | | 18.79 | 0.076 | | 21.99 | 0.158 | |
| | 2442 | 19.29 | 19.46 | | 19.46 | 0.088 | | 22.66 | 0.185 | |
| | 2457 | 18.25 | 18.58 | | 18.58 | 0.072 | | 21.78 | 0.151 | |
| | 2462 | 16.45 | 16.69 | | 16.69 | 0.047 | | 19.89 | 0.097 | |
| | 2467 | 14.39 | 14.43 | | 14.43 | 0.028 | | 17.63 | 0.058 | |
| | 2472 | 11.43 | 11.36 | | 11.43 | 0.014 | | 14.63 | 0.029 | |

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|--------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11n-HT20 | 2412 | 15.17 | 15.06 | 0 | 18.13 | 0.065 | 3.2 | 21.33 | 0.136 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 16.52 | 16.58 | | 19.56 | 0.090 | | 22.76 | 0.189 | |
| | 2422 | 17.64 | 17.77 | | 20.72 | 0.118 | | 23.92 | 0.247 | |
| | 2442 | 19.22 | 19.31 | | 22.28 | 0.169 | | 25.48 | 0.353 | |
| | 2457 | 17.83 | 18.04 | | 20.95 | 0.124 | | 24.15 | 0.260 | |
| | 2462 | 14.60 | 14.56 | | 17.59 | 0.057 | | 20.79 | 0.120 | |
| | 2467 | 10.62 | 10.58 | | 13.61 | 0.023 | | 16.81 | 0.048 | |
| | 2472 | 7.51 | 7.73 | | 10.63 | 0.012 | | 13.83 | 0.024 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|--------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11n-HT40 | 2422 | 14.16 | 14.21 | 0 | 17.20 | 0.052 | 3.2 | 20.40 | 0.110 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 14.89 | 14.97 | | 17.94 | 0.062 | | 21.14 | 0.130 | |
| | 2452 | 13.79 | 13.81 | | 16.81 | 0.048 | | 20.01 | 0.100 | |
| | 2457 | 10.64 | 10.77 | | 13.72 | 0.024 | | 16.92 | 0.049 | |
| | 2462 | 6.84 | 6.88 | | 9.87 | 0.010 | | 13.07 | 0.020 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE20 | 2412 | 16.71 | 16.55 | 0 | 19.64 | 0.092 | 3.2 | 22.84 | 0.192 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 17.91 | 17.80 | | 20.87 | 0.122 | | 24.07 | 0.255 | |
| | 2422 | 18.13 | 18.24 | | 21.20 | 0.132 | | 24.40 | 0.275 | |
| | 2442 | 19.74 | 19.73 | | 22.75 | 0.188 | | 25.95 | 0.394 | |
| | 2457 | 18.01 | 18.21 | | 21.12 | 0.129 | | 24.32 | 0.270 | |
| | 2462 | 14.56 | 14.68 | | 17.63 | 0.058 | | 20.83 | 0.121 | |
| | 2467 | 10.60 | 10.73 | | 13.68 | 0.023 | | 16.88 | 0.049 | |
| | 2472 | 7.53 | 7.77 | | 10.66 | 0.012 | | 13.86 | 0.024 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE40 | 2422 | 14.01 | 14.05 | 0 | 17.04 | 0.051 | 3.2 | 20.24 | 0.106 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 14.68 | 14.67 | | 17.69 | 0.059 | | 20.89 | 0.123 | |
| | 2452 | 13.61 | 13.67 | | 16.65 | 0.046 | | 19.85 | 0.097 | |
| | 2457 | 10.46 | 10.42 | | 13.45 | 0.022 | | 16.65 | 0.046 | |
| | 2462 | 6.92 | 6.84 | | 9.89 | 0.010 | | 13.09 | 0.020 | |

Note: The results have been included cable loss.

| Mode | RU Config | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------------|-----------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|---|
| | | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE20 | 26/0 | 2412 | 18.04 | 18.10 | 0 | 21.08 | 0.128 | 3.2 | 24.28 | 0.268 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 52/37 | | 18.32 | 18.37 | | 21.36 | 0.137 | | 24.56 | 0.286 | |
| | 106/53 | | 18.55 | 18.61 | | 21.59 | 0.144 | | 24.79 | 0.301 | |
| | 26/8 | 2472 | 5.62 | 5.47 | | 8.56 | 0.007 | | 11.76 | 0.015 | |
| | 52/40 | | 6.08 | 6.21 | | 9.16 | 0.008 | | 12.36 | 0.017 | |
| | 106/54 | | 6.08 | 6.37 | | 9.24 | 0.008 | | 12.44 | 0.018 | |

Note: The results have been included cable loss.

| Mode | RU Config | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------------|-----------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|---|
| | | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE40 | 242/61 | 2422 | 15.59 | 15.51 | 0 | 18.56 | 0.072 | 3.2 | 21.76 | 0.150 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 242/62 | 2462 | 8.15 | 7.96 | | 11.07 | 0.013 | | 14.27 | 0.027 | |

Note: The results have been included cable loss.

Test SKU: SKU #2

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Max. Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------|------------------------|----------------------------|---------|-------------|---------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11b | 2412 | 19.91 | 19.94 | 0 | 19.94 | 0.099 | 6.3 | 26.24 | 0.421 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 19.71 | 19.88 | | 19.88 | 0.097 | | 26.18 | 0.415 | |
| | 2462 | 19.78 | 19.92 | | 19.92 | 0.098 | | 26.22 | 0.419 | |
| | 2467 | 18.94 | 18.83 | | 18.94 | 0.078 | | 25.24 | 0.334 | |
| | 2472 | 16.75 | 15.81 | | 16.75 | 0.047 | | 23.05 | 0.202 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Max. Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------|------------------------|----------------------------|---------|-------------|---------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11g | 2412 | 16.80 | 17.17 | 0.143 | 17.17 | 0.052 | 6.3 | 23.47 | 0.222 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 18.53 | 18.79 | | 18.79 | 0.076 | | 25.09 | 0.323 | |
| | 2442 | 19.29 | 19.46 | | 19.46 | 0.088 | | 25.76 | 0.377 | |
| | 2457 | 18.25 | 18.58 | | 18.58 | 0.072 | | 24.88 | 0.308 | |
| | 2462 | 16.45 | 16.69 | | 16.69 | 0.047 | | 22.99 | 0.199 | |
| | 2467 | 14.39 | 14.43 | | 14.43 | 0.028 | | 20.73 | 0.118 | |
| | 2472 | 11.43 | 11.36 | | 11.43 | 0.014 | | 17.73 | 0.059 | |

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|--------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11n-HT20 | 2412 | 15.17 | 15.06 | 0 | 18.13 | 0.065 | 6.3 | 24.43 | 0.277 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 16.52 | 16.58 | | 19.56 | 0.090 | | 25.86 | 0.385 | |
| | 2422 | 17.64 | 17.77 | | 20.72 | 0.118 | | 27.02 | 0.504 | |
| | 2442 | 19.22 | 19.31 | | 22.28 | 0.169 | | 28.58 | 0.721 | |
| | 2457 | 17.83 | 18.04 | | 20.95 | 0.124 | | 27.25 | 0.531 | |
| | 2462 | 14.60 | 14.56 | | 17.59 | 0.057 | | 23.89 | 0.245 | |
| | 2467 | 10.62 | 10.58 | | 13.61 | 0.023 | | 19.91 | 0.098 | |
| | 2472 | 7.51 | 7.73 | | 10.63 | 0.012 | | 16.93 | 0.049 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|--------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11n-HT40 | 2422 | 14.16 | 14.21 | 0 | 17.20 | 0.052 | 6.3 | 23.50 | 0.224 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 14.89 | 14.97 | | 17.94 | 0.062 | | 24.24 | 0.265 | |
| | 2452 | 13.79 | 13.81 | | 16.81 | 0.048 | | 23.11 | 0.205 | |
| | 2457 | 10.64 | 10.77 | | 13.72 | 0.024 | | 20.02 | 0.100 | |
| | 2462 | 6.84 | 6.88 | | 9.87 | 0.010 | | 16.17 | 0.041 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE20 | 2412 | 16.71 | 16.55 | 0 | 19.64 | 0.092 | 6.3 | 25.94 | 0.393 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2417 | 17.91 | 17.80 | | 20.87 | 0.122 | | 27.17 | 0.521 | |
| | 2422 | 18.13 | 18.24 | | 21.20 | 0.132 | | 27.50 | 0.562 | |
| | 2442 | 19.74 | 19.73 | | 22.75 | 0.188 | | 29.05 | 0.804 | |
| | 2457 | 18.01 | 18.21 | | 21.12 | 0.129 | | 27.42 | 0.552 | |
| | 2462 | 14.56 | 14.68 | | 17.63 | 0.058 | | 23.93 | 0.247 | |
| | 2467 | 10.60 | 10.73 | | 13.68 | 0.023 | | 19.98 | 0.100 | |
| | 2472 | 7.53 | 7.77 | | 10.66 | 0.012 | | 16.96 | 0.050 | |

Note: The results have been included cable loss.

| Mode | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE40 | 2422 | 14.01 | 14.05 | 0 | 17.04 | 0.051 | 6.3 | 23.34 | 0.216 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 2442 | 14.68 | 14.67 | | 17.69 | 0.059 | | 23.99 | 0.251 | |
| | 2452 | 13.61 | 13.67 | | 16.65 | 0.046 | | 22.95 | 0.197 | |
| | 2457 | 10.46 | 10.42 | | 13.45 | 0.022 | | 19.75 | 0.094 | |
| | 2462 | 6.92 | 6.84 | | 9.89 | 0.010 | | 16.19 | 0.042 | |

Note: The results have been included cable loss.

| Mode | RU Config | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------------|-----------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE20 | 26/0 | 2412 | 18.04 | 18.10 | 0 | 21.08 | 0.128 | 6.3 | 27.38 | 0.547 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 52/37 | | 18.32 | 18.37 | | 21.36 | 0.137 | | 27.66 | 0.583 | |
| | 106/53 | | 18.55 | 18.61 | | 21.59 | 0.144 | | 27.89 | 0.615 | |
| | 26/8 | 2472 | 5.62 | 5.47 | | 8.56 | 0.007 | | 14.86 | 0.031 | |
| | 52/40 | | 6.08 | 6.21 | | 9.16 | 0.008 | | 15.46 | 0.035 | |
| | 106/54 | | 6.08 | 6.37 | | 9.24 | 0.008 | | 15.54 | 0.036 | |

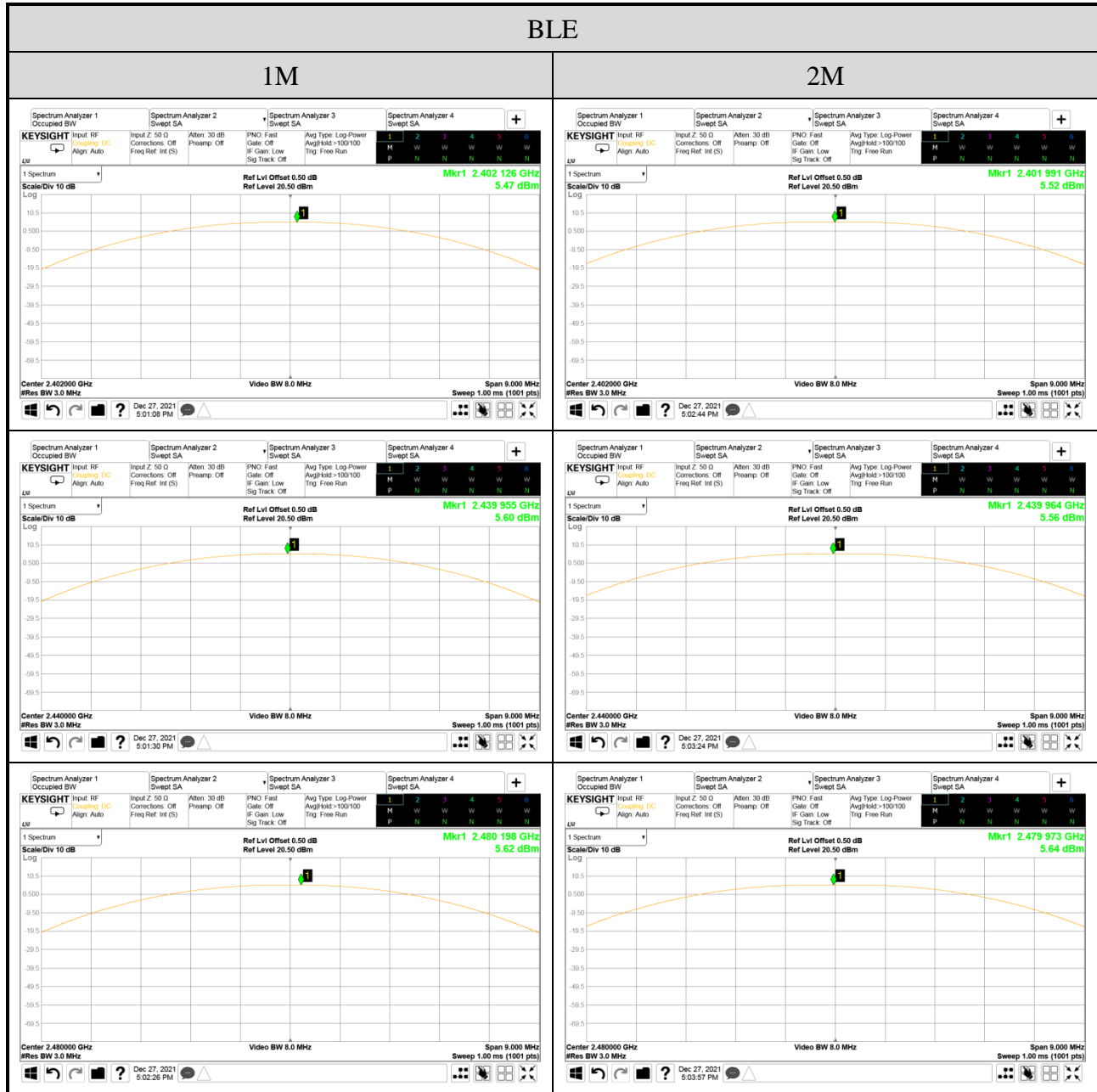
Note: The results have been included cable loss.

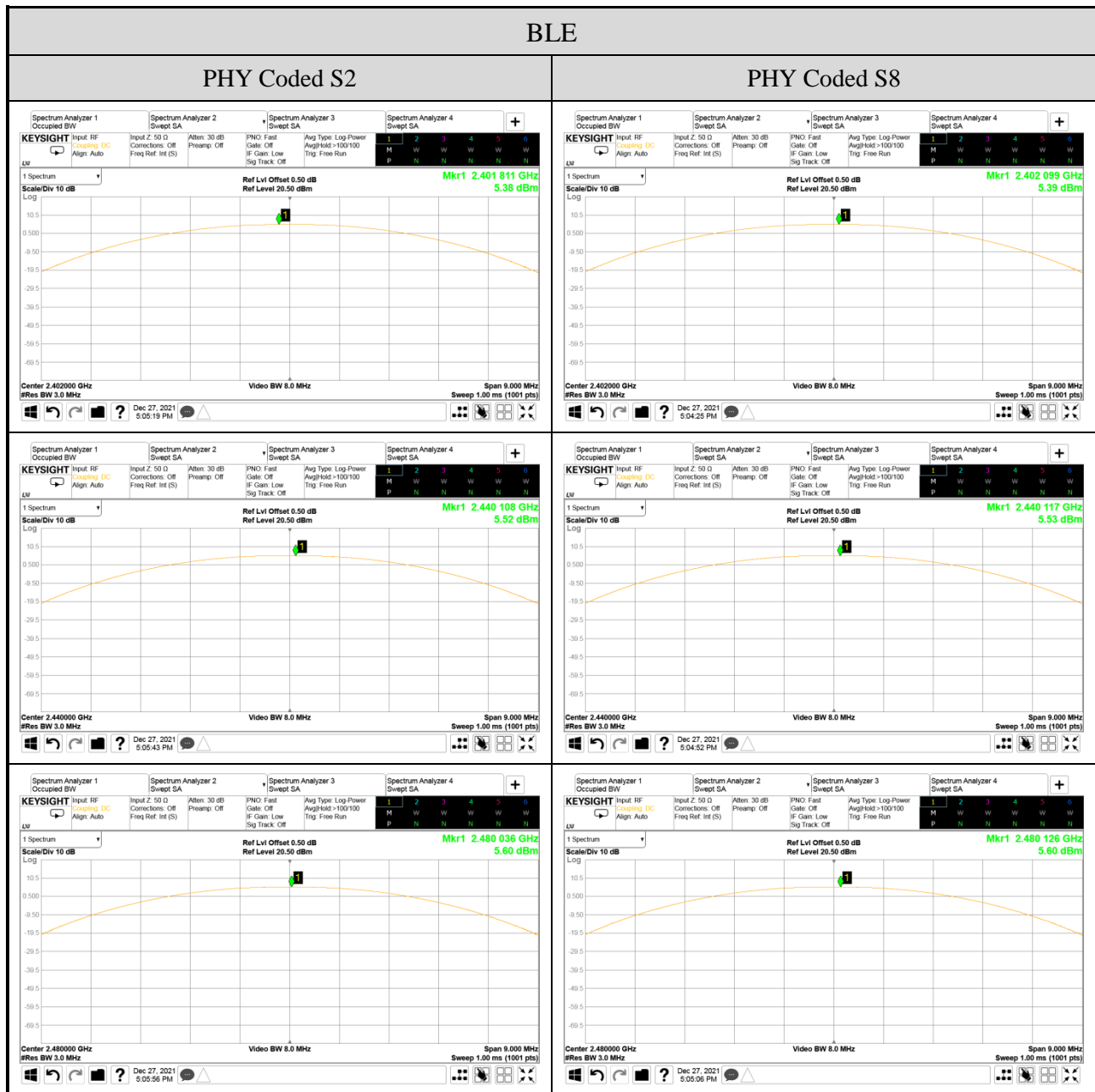
| Mode | RU Config | Centre Frequency (MHz) | Average Output Power (dBm) | | 10log (1/X) | Total Average Output Power | | Antenna Gain (dBi) | Average Output Power (E.I.R.P.) | | Limit |
|---------------|-----------|------------------------|----------------------------|---------|-------------|----------------------------|--------------|--------------------|---------------------------------|--------------|--|
| | | | Chain 0 | Chain 1 | | (dBm) | (W) | | (dBm) | (W) | |
| 802.11ax-HE40 | 242/61 | 2422 | 15.59 | 15.51 | 0 | 18.56 | 0.072 | 6.3 | 24.86 | 0.306 | <30dBm (1W) (Maximum Peak Output Power) <36dBm (4W) (E.I.R.P) |
| | 242/62 | 2462 | 8.15 | 7.96 | | 11.07 | 0.013 | | 17.37 | 0.055 | |

Note: The results have been included cable loss.

A.4.3 Measurement Plots

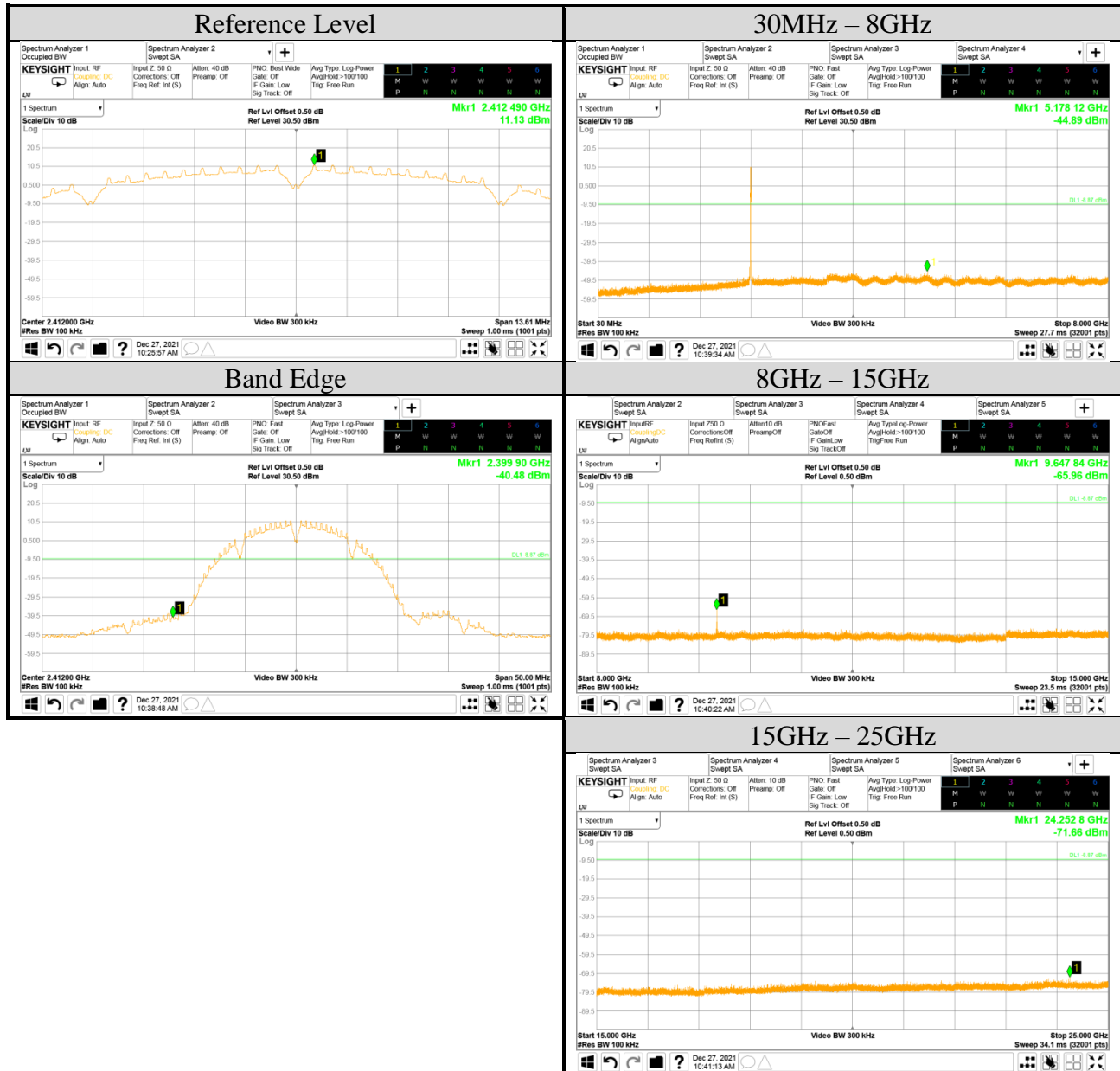
● **FCC ID: BEJNT-16Z90Q & IC: 2703H-16Z90Q Output Power**





A.5 EMISSION LIMITATIONS

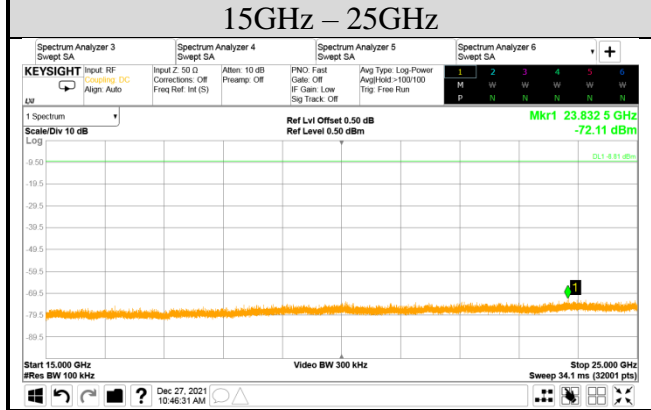
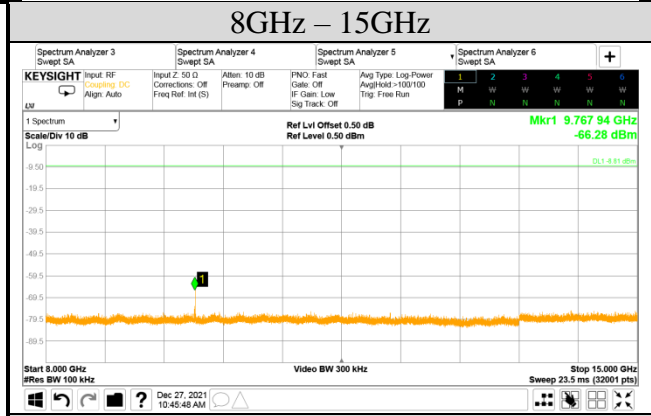
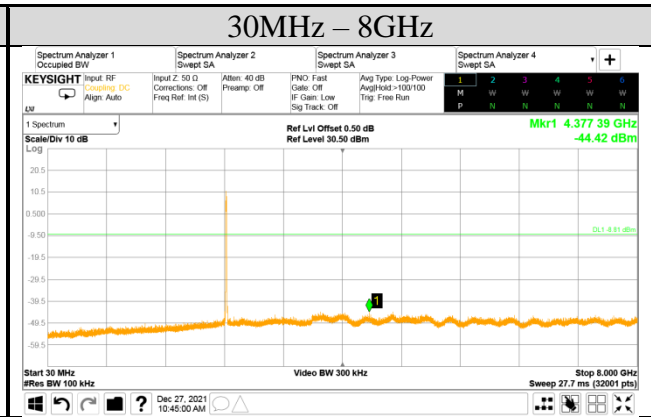
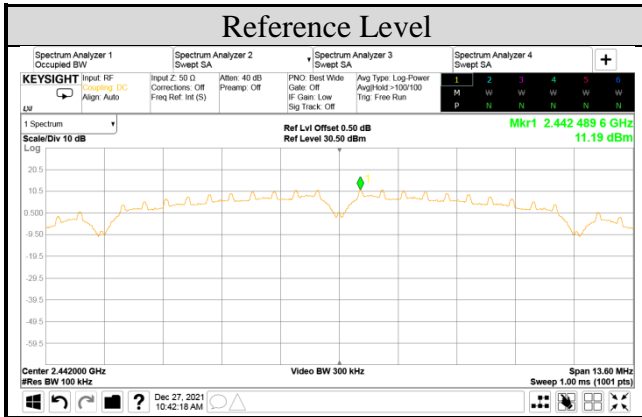
| | | | |
|--|------------|--------------|--------------------------------|
| Test Date | 2021/12/27 | Temp./Hum. | 14°C/70% |
| Cable Loss | 0.50dB | Test Voltage | AC 120V, 60Hz (via AC Adapter) |
| Mode | 802.11b | Tested By | Kuper Hsu |
| Frequency | TX 2412MHz | | |
| Simultaneous Factor10 log(n) (Note: “n” is antenna number) | | | 0 |



Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

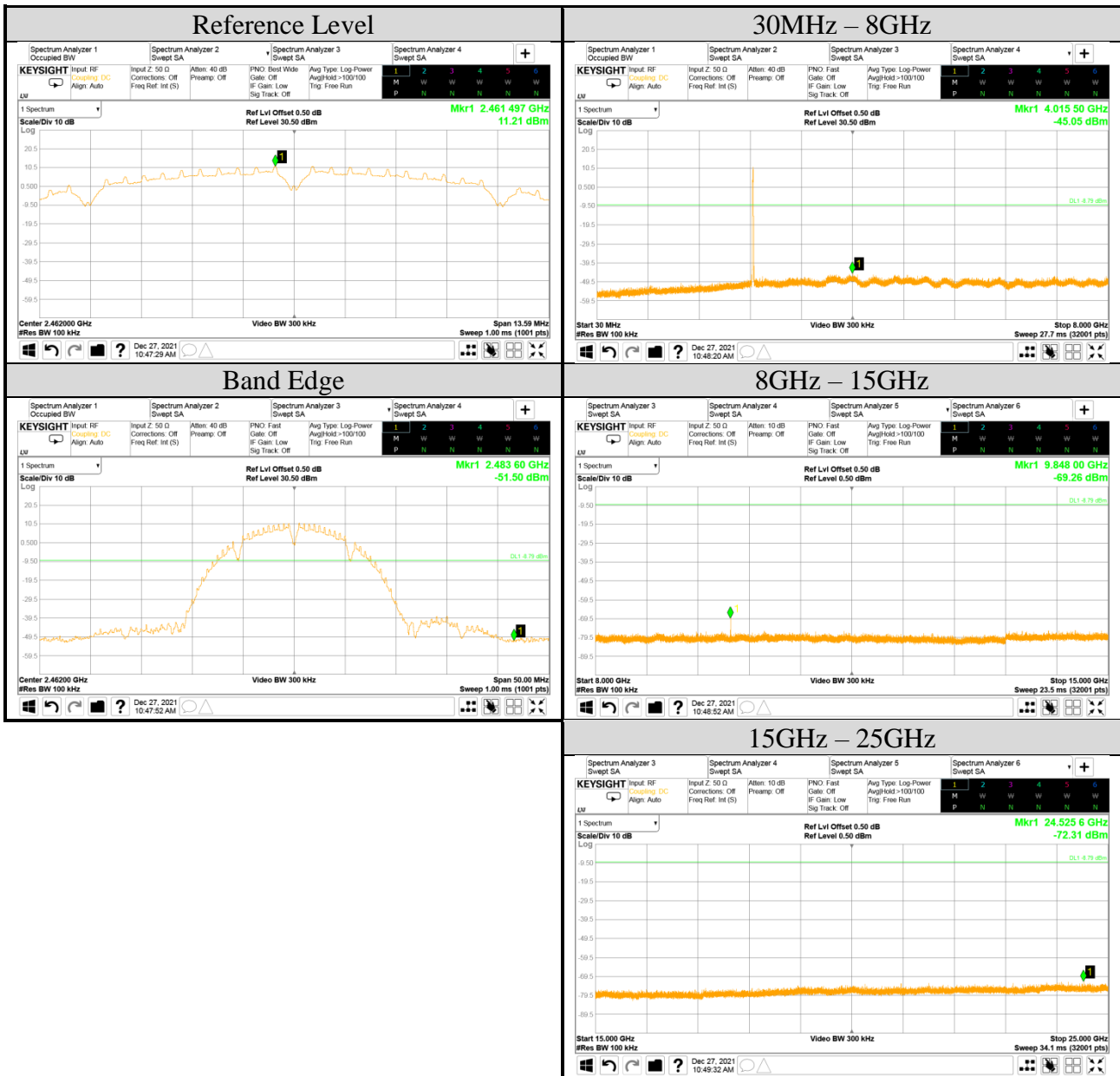
| | | | |
|--|------------|--------------|--------------------------------|
| Test Date | 2021/12/27 | Temp./Hum. | 14°C/70% |
| Cable Loss | 0.50dB | Test Voltage | AC 120V, 60Hz (via AC Adapter) |
| Mode | 802.11b | Tested By | Kuper Hsu |
| Frequency | TX 2442MHz | | |
| Simultaneous Factor10 log(n) (Note: “n” is antenna number) | | | 0 |



Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

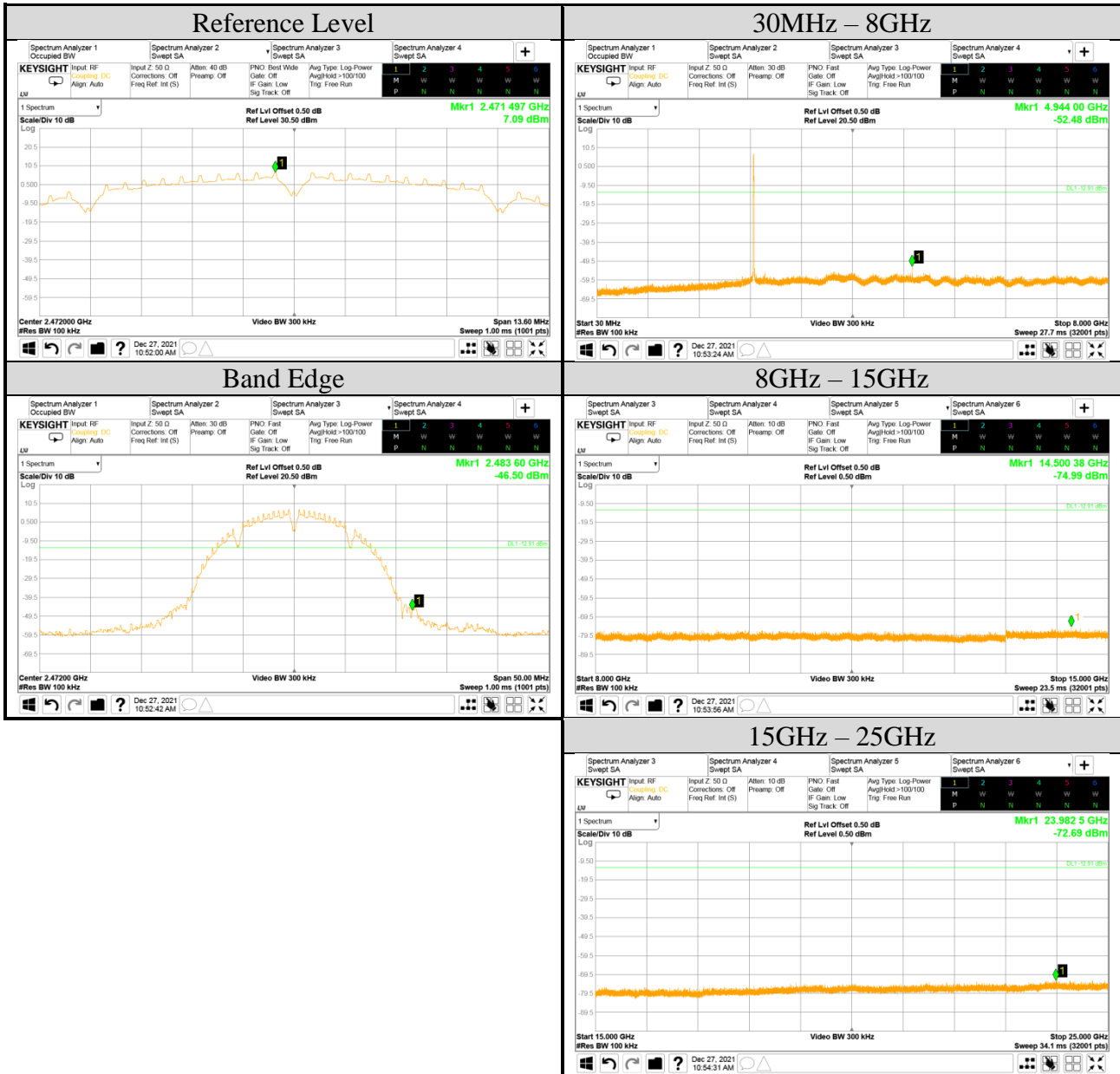
| | | | |
|---|------------|--------------|--------------------------------|
| Test Date | 2021/12/27 | Temp./Hum. | 14°C/70% |
| Cable Loss | 0.50dB | Test Voltage | AC 120V, 60Hz (via AC Adapter) |
| Mode | 802.11b | Tested By | Kuper Hsu |
| Frequency | TX 2462MHz | | |
| Simultaneous Factor 10 log(n) (Note: "n" is antenna number) | | | 0 |



Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

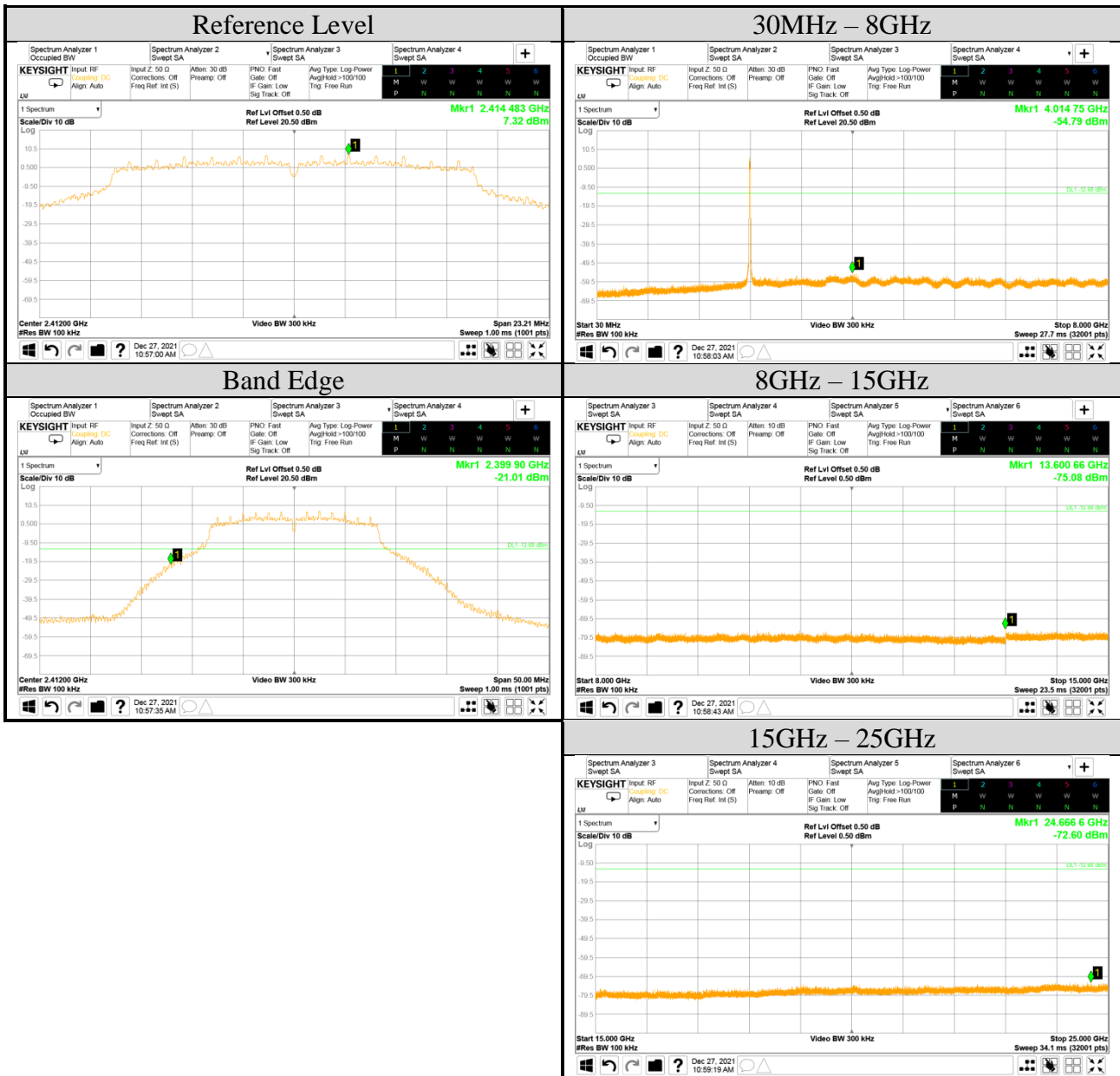
| | | | |
|--|------------|--------------|--------------------------------|
| Test Date | 2021/12/27 | Temp./Hum. | 14°C/70% |
| Cable Loss | 0.50dB | Test Voltage | AC 120V, 60Hz (via AC Adapter) |
| Mode | 802.11b | Tested By | Kuper Hsu |
| Frequency | TX 2472MHz | | |
| Simultaneous Factor10 log(n) (Note: "n" is antenna number) | | | 0 |



Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

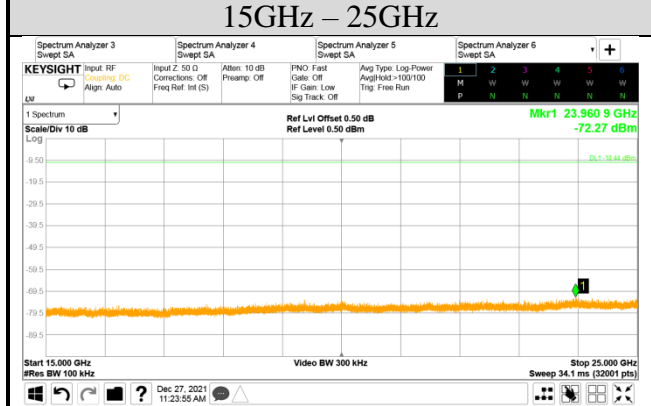
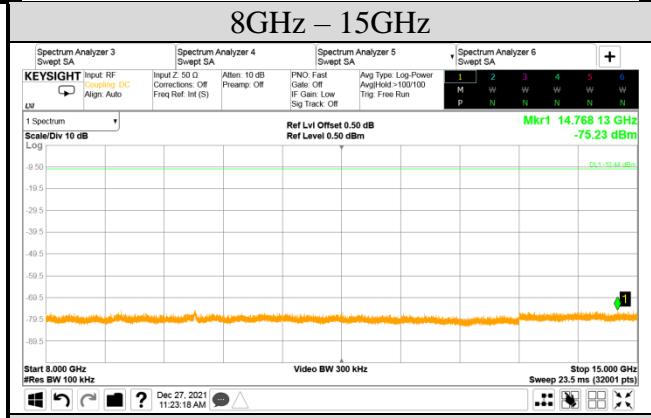
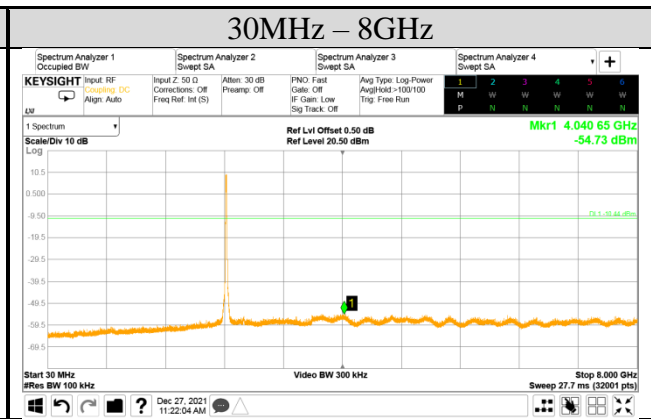
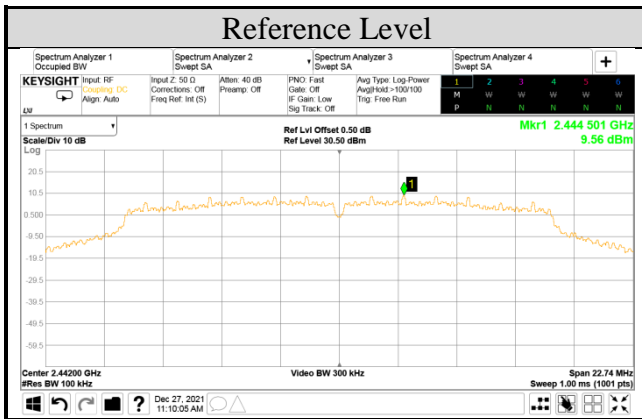
| | | | |
|---|------------|--------------|--------------------------------|
| Test Date | 2021/12/27 | Temp./Hum. | 14°C/70% |
| Cable Loss | 0.50dB | Test Voltage | AC 120V, 60Hz (via AC Adapter) |
| Mode | 802.11g | Tested By | Kuper Hsu |
| Frequency | TX 2412MHz | | |
| Simultaneous Factor 10 log(n) (Note: "n" is antenna number) | | | 0 |



Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

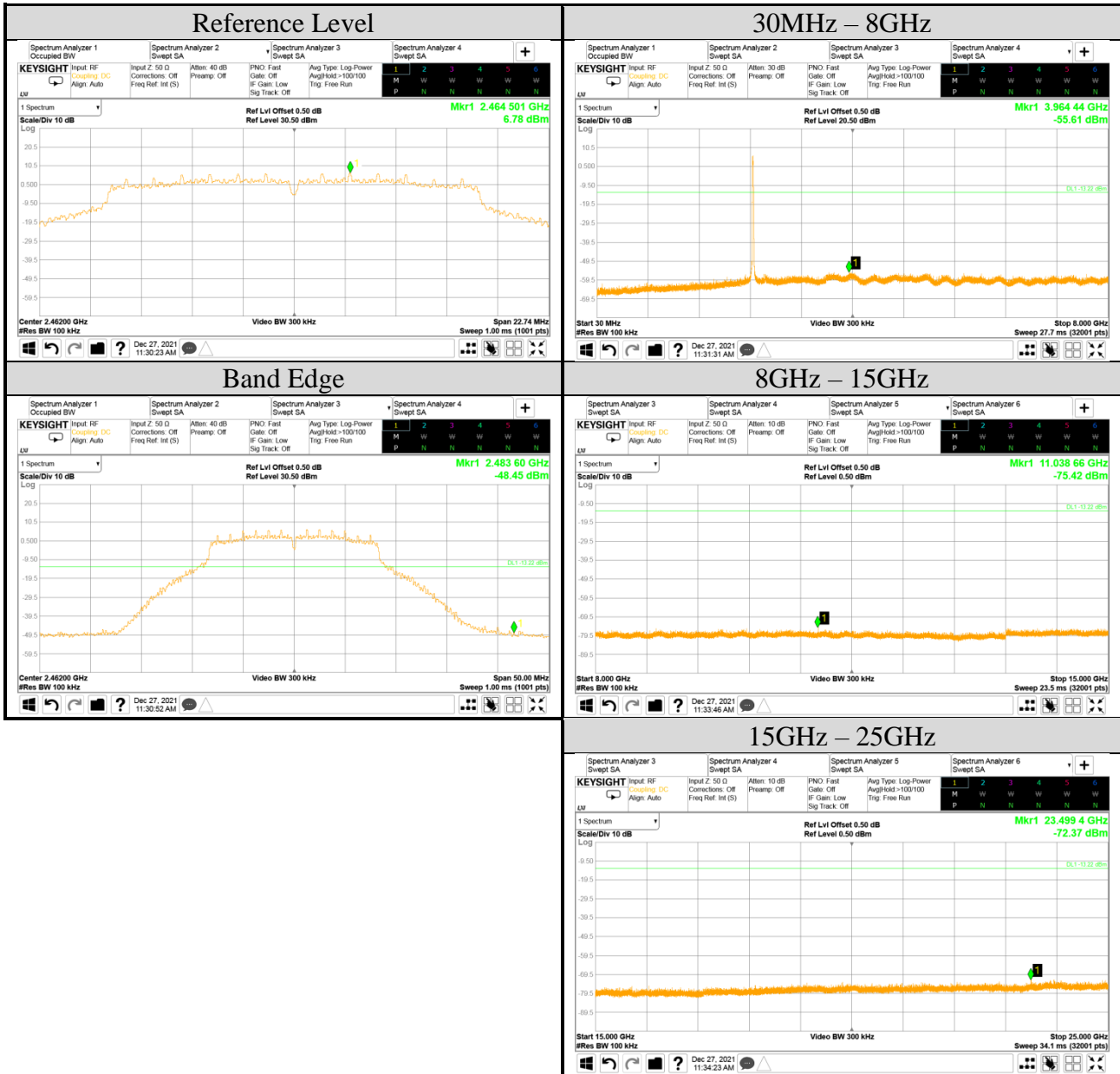
| | | | |
|--|------------|--------------|--------------------------------|
| Test Date | 2021/12/27 | Temp./Hum. | 14°C/70% |
| Cable Loss | 0.50dB | Test Voltage | AC 120V, 60Hz (via AC Adapter) |
| Mode | 802.11g | Tested By | Kuper Hsu |
| Frequency | TX 2442MHz | | |
| Simultaneous Factor10 log(n) (Note: "n" is antenna number) | | | 0 |



Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

| | | | |
|---|------------|--------------|--------------------------------|
| Test Date | 2021/12/27 | Temp./Hum. | 14°C/70% |
| Cable Loss | 0.50dB | Test Voltage | AC 120V, 60Hz (via AC Adapter) |
| Mode | 802.11g | Tested By | Kuper Hsu |
| Frequency | TX 2462MHz | | |
| Simultaneous Factor 10 log(n) (Note: "n" is antenna number) | | | 0 |



Audix Technology Corp.
 No. 491, Zhongfu Rd., Linkou Dist.,
 New Taipei City 244, Taiwan

Tel: +886 2 26099301
 Fax: +886 2 26099303

| | | | |
|---|------------|--------------|--------------------------------|
| Test Date | 2021/12/27 | Temp./Hum. | 14°C/70% |
| Cable Loss | 0.50dB | Test Voltage | AC 120V, 60Hz (via AC Adapter) |
| Mode | 802.11g | Tested By | Kuper Hsu |
| Frequency | TX 2472MHz | | |
| Simultaneous Factor 10 log(n) (Note: "n" is antenna number) | | | 0 |

