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MPE Report

| | |
|-----------------------|---|
| Test Report No. | : 1606FS16 |
| Applicant | : Comtrend Corporation |
| Product Type | : Wireless Gateway |
| Trade Name | : COMTREND |
| Model Number | : NexusLink 3240u, NexusLink 3240, NexusLink 3120ua, NexusLink 3120, WAP-5895ua, WR-6895 |
| Date of Received | : Apr. 19, 2016 |
| Test Period | : Apr. 28, 2016 |
| Date of Issued | : Aug. 16, 2016 |
| Test Specification | : ANSI / IEEE Std.C95.1-1992 / IEEE Std. 1528-2013 47 CFR § 2.1091 47 CFR § 1.1310 |
| Location of Test Lab. | : Chang-an Lab. |

1. The test operations have to be performed with cautious behavior, the test results are as attached.
2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
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Approved By : Bill Hu
(Bill Hu)

Tested By : Mark Duan
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1. Description of Equipment under Test (EUT)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------------|-----------------|---|-----------------|---|-----------------|-----------------------------|-----------------|-----------------------------|-----------------|-------------------------------|-----------------|--|-----------------|------------------------------------|-----------------|--|-----------------|--------------------------------------|-----------------|--|-----------------|------------------------------------|-----------------|--|-----------------|--------------------------------------|-----------------|------------------------------------|-----------------|--------------------------------------|-----------------|
| Applicant | Comtrend Corporation 3F-1, No. 10, Lane 609, Chung Hsin Road, Section 5, San Chung Dist, New Taipei City 24159, Taiwan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer | Comtrend Corporation 3F-1, No. 10, Lane 609, Chung Hsin Road, Section 5, San Chung Dist, New Taipei City 24159, Taiwan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Product Type | Wireless Gateway | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trade Name | COMTREND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Model Number | NexusLink 3240u, NexusLink 3240, NexusLink 3120ua, NexusLink 3120, WAP-5895ua, WR-6895 (Refer to Model Different description table) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FCC ID | L9VNL3240U | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency Range | <table border="0"> <tr> <td>IEEE 802.11b / 802.11g / 802.11n 2.4GHz 20MHz :</td> <td>2412 - 2462 MHz</td> </tr> <tr> <td>IEEE 802.11n 2.4GHz 40MHz :</td> <td>2422 - 2452 MHz</td> </tr> <tr> <td>IEEE 802.11a U-NII Band I :</td> <td>5180 - 5240 MHz</td> </tr> <tr> <td>IEEE 802.11a U-NII Band III :</td> <td>5745 - 5825 MHz</td> </tr> <tr> <td>IEEE 802.11n 5GHz 20MHz U-NII Band I :</td> <td>5180 - 5240 MHz</td> </tr> <tr> <td>IEEE 802.11ac 20MHz U-NII Band I :</td> <td>5180 - 5240 MHz</td> </tr> <tr> <td>IEEE 802.11n 5GHz 20MHz U-NII Band III :</td> <td>5745 - 5825 MHz</td> </tr> <tr> <td>IEEE 802.11ac 20MHz U-NII Band III :</td> <td>5745 - 5825 MHz</td> </tr> <tr> <td>IEEE 802.11n 5GHz 40MHz U-NII Band I :</td> <td>5190 - 5230 MHz</td> </tr> <tr> <td>IEEE 802.11ac 40MHz U-NII Band I :</td> <td>5190 - 5230 MHz</td> </tr> <tr> <td>IEEE 802.11n 5GHz 40MHz U-NII Band III :</td> <td>5755 - 5795 MHz</td> </tr> <tr> <td>IEEE 802.11ac 40MHz U-NII Band III :</td> <td>5755 - 5795 MHz</td> </tr> <tr> <td>IEEE 802.11ac 80MHz U-NII Band I :</td> <td>5210 - 5775 MHz</td> </tr> <tr> <td>IEEE 802.11ac 80MHz U-NII Band III :</td> <td>5210 - 5775 MHz</td> </tr> </table> | | | | | IEEE 802.11b / 802.11g / 802.11n 2.4GHz 20MHz : | 2412 - 2462 MHz | IEEE 802.11n 2.4GHz 40MHz : | 2422 - 2452 MHz | IEEE 802.11a U-NII Band I : | 5180 - 5240 MHz | IEEE 802.11a U-NII Band III : | 5745 - 5825 MHz | IEEE 802.11n 5GHz 20MHz U-NII Band I : | 5180 - 5240 MHz | IEEE 802.11ac 20MHz U-NII Band I : | 5180 - 5240 MHz | IEEE 802.11n 5GHz 20MHz U-NII Band III : | 5745 - 5825 MHz | IEEE 802.11ac 20MHz U-NII Band III : | 5745 - 5825 MHz | IEEE 802.11n 5GHz 40MHz U-NII Band I : | 5190 - 5230 MHz | IEEE 802.11ac 40MHz U-NII Band I : | 5190 - 5230 MHz | IEEE 802.11n 5GHz 40MHz U-NII Band III : | 5755 - 5795 MHz | IEEE 802.11ac 40MHz U-NII Band III : | 5755 - 5795 MHz | IEEE 802.11ac 80MHz U-NII Band I : | 5210 - 5775 MHz | IEEE 802.11ac 80MHz U-NII Band III : | 5210 - 5775 MHz |
| IEEE 802.11b / 802.11g / 802.11n 2.4GHz 20MHz : | 2412 - 2462 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11n 2.4GHz 40MHz : | 2422 - 2452 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11a U-NII Band I : | 5180 - 5240 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11a U-NII Band III : | 5745 - 5825 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11n 5GHz 20MHz U-NII Band I : | 5180 - 5240 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11ac 20MHz U-NII Band I : | 5180 - 5240 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11n 5GHz 20MHz U-NII Band III : | 5745 - 5825 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11ac 20MHz U-NII Band III : | 5745 - 5825 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11n 5GHz 40MHz U-NII Band I : | 5190 - 5230 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11ac 40MHz U-NII Band I : | 5190 - 5230 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11n 5GHz 40MHz U-NII Band III : | 5755 - 5795 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11ac 40MHz U-NII Band III : | 5755 - 5795 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11ac 80MHz U-NII Band I : | 5210 - 5775 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEEE 802.11ac 80MHz U-NII Band III : | 5210 - 5775 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Antenna information | ANT | Trade Name | Model Number | Type | Max. Gain (dBi) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.4GHz ANT-0 | Cortec | AN2450-64D02BBF | External antenna (Reversed-SMA Connector) | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.4GHz ANT-1 | Cortec | AN2450-64D03BBF | External antenna (Reversed-SMA Connector) | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5GHz ANT-0 | Cortec | AN2450-64D02BBF | External antenna | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5GHz ANT-1 | Cortec | NBO351-C195BF | Embedded antenna | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5GHz ANT-2 | Cortec | NBO351-C70BF | Embedded antenna | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5GHz ANT-3 | Cortec | AN2450-64D03BBF | External antenna | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature Range | 0 ~ +40°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RF Evaluation | 0.191 mW/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

The above equipment was tested by A Test Lab Techno Corp. For compliance with the requirements set forth in 47 CFR § 2.1091 / 47 CFR § 1.1310. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties



Model Different description table

| Model | NexusLink 3240u NexusLink 3240 | NexusLink 3120ua NexusLink 3120 | WAP-5895ua WR-6895 |
|----------------|-----------------------------------|------------------------------------|-----------------------|
| DSL | V | V | X |
| USB | V | V | V |
| ETH1-4 | V | V | V |
| ETH WAN | V | V | V |
| PHONE1-2(VOIP) | V | X | X |
| A Main board | V | V | V |

2. Human Exposure Assessment

Due to the design and installation of this product, it is not possible to conduct SAR evaluation. This is because client either manufactures or supplies the antenna(s) that will be used in the installation of this product. Therefore, this product will be evaluated as a mobile device per 47 CFR § 1.1310 titled “Radiofrequency radiation exposure limits”, generally referred to as MPE limits.

In 47 CFR § 2.1091, paragraph (b) defines a mobile device as “a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 cm is normally maintained between the transmitter’s radiating structure(s) and the body of the user or nearby persons.” This product is intended to be installed into a vehicle such that the unit is physically secured at one location. In the installation guide supplied with the product,

Client has made the following statement: “IMPORTANT: To meet the FCC’s RF Exposure Guidelines, the antenna should be installed so there is at least 20 cm of separation between the body of the user and nearby persons and the antenna”. Based on the installation of the transceiver and the antenna, the transmitters radiating structure is more than 20 cm from the user. Thus, this product is a “mobile device” as defined in section § 2.1091 paragraph (b).

| Exposure evaluation |
|---|
| $S = \frac{PG}{4\pi R^2}$ <p>Where</p> <p>S: power density</p> <p>P: power input to the antenna</p> <p>G: power gain of the antenna in the direction of interest relative to an isotropic radiator.</p> <p>R: distance to the center of radiation of the antenna.</p> |



3. RF Output Power

The conducted power turn-up tolerance reference manufacturer specification.

| Band | Data Rate | CH | Frequency (MHz) | Average Conducted power (dBm) | | |
|---------------------------------|-----------|----|-----------------|-------------------------------|-------|---------|
| | | | | ANT-0 | ANT-1 | ANT-0+1 |
| IEEE 802.11b ANT-0 | 1M | 1 | 2412.0 | 16.21 | --- | --- |
| | | 6 | 2437.0 | 16.79 | --- | --- |
| | | 11 | 2462.0 | 17.70 | --- | --- |
| | 2M | 6 | 2437.0 | 16.71 | --- | --- |
| | 5.5M | 6 | 2437.0 | 16.74 | --- | --- |
| | 11M | 6 | 2437.0 | 16.66 | --- | --- |
| IEEE 802.11g ANT-0 | 6M | 1 | 2412.0 | 17.85 | --- | --- |
| | | 6 | 2437.0 | 17.47 | --- | --- |
| | | 11 | 2462.0 | 16.58 | --- | --- |
| | 9M | 6 | 2437.0 | 17.26 | --- | --- |
| | 12M | 6 | 2437.0 | 17.20 | --- | --- |
| | 18M | 6 | 2437.0 | 17.25 | --- | --- |
| | 24M | 6 | 2437.0 | 17.15 | --- | --- |
| | 36M | 6 | 2437.0 | 17.19 | --- | --- |
| | 48M | 6 | 2437.0 | 17.18 | --- | --- |
| | 54M | 6 | 2437.0 | 17.16 | --- | --- |
| IEEE 802.11n 2.4GHz 20MHz | 13M | 1 | 2412.0 | 16.18 | 15.85 | 19.03 |
| | | 6 | 2437.0 | 16.03 | 15.37 | 18.72 |
| | | 11 | 2462.0 | 15.85 | 14.90 | 18.41 |
| | 26M | 6 | 2437.0 | 15.87 | 15.31 | 18.61 |
| | 39M | 6 | 2437.0 | 15.68 | 15.39 | 18.55 |
| | 52M | 6 | 2437.0 | 15.94 | 15.22 | 18.61 |
| | 78M | 6 | 2437.0 | 15.59 | 15.31 | 18.46 |
| | 104M | 6 | 2437.0 | 15.95 | 15.27 | 18.63 |
| | 117M | 6 | 2437.0 | 15.98 | 15.36 | 18.69 |
| | 130M | 6 | 2437.0 | 15.93 | 15.34 | 18.66 |
| IEEE 802.11n 2.4GHz 40MHz | 27M | 3 | 2422.0 | 14.70 | 14.03 | 17.39 |
| | | 6 | 2437.0 | 14.44 | 13.80 | 17.14 |
| | | 9 | 2452.0 | 15.23 | 14.75 | 18.01 |
| | 54M | 6 | 2437.0 | 14.50 | 13.60 | 17.08 |
| | 81M | 6 | 2437.0 | 14.19 | 13.55 | 16.89 |
| | 108M | 6 | 2437.0 | 14.41 | 13.59 | 17.03 |
| | 162M | 6 | 2437.0 | 14.30 | 13.67 | 17.01 |
| | 216M | 6 | 2437.0 | 14.53 | 13.63 | 17.11 |
| | 243M | 6 | 2437.0 | 14.25 | 13.54 | 16.92 |
| | 270M | 6 | 2437.0 | 13.53 | 13.63 | 16.59 |



| Band | Data Rate | CH | Frequency (MHz) | Average Conducted power (dBm) | | | | |
|------------------------|-----------|--------|-----------------|-------------------------------|-------|-------|-------|-------------|
| | | | | ANT-0 | ANT-1 | ANT-2 | ANT-3 | ANT-0+1+2+3 |
| IEEE 802.11a | 6M | 36 | 5180.0 | 17.96 | 17.39 | 19.57 | 18.74 | 24.51 |
| | | 40 | 5200.0 | 17.72 | 17.82 | 19.80 | 19.03 | 24.70 |
| | | 44 | 5220.0 | 17.65 | 17.44 | 19.36 | 18.87 | 24.43 |
| | | 48 | 5240.0 | 17.61 | 17.32 | 19.40 | 18.69 | 24.36 |
| | | 149 | 5745.0 | 17.20 | 17.64 | 19.23 | 18.92 | 24.35 |
| | | 153 | 5765.0 | 17.38 | 17.39 | 19.00 | 18.78 | 24.22 |
| | | 157 | 5785.0 | 17.08 | 17.59 | 18.91 | 18.52 | 24.11 |
| | | 161 | 5805.0 | 17.25 | 17.72 | 18.70 | 18.72 | 24.16 |
| | 165 | 5825.0 | 17.27 | 17.79 | 18.64 | 18.65 | 24.15 | |
| | 54M | 36 | 5180.0 | 17.52 | 17.78 | 19.56 | 19.03 | 24.58 |
| | | 40 | 5200.0 | 17.58 | 17.41 | 19.51 | 18.83 | 24.44 |
| | | 44 | 5220.0 | 17.60 | 17.60 | 19.74 | 19.04 | 24.62 |
| | | 48 | 5240.0 | 17.54 | 17.42 | 19.55 | 19.02 | 24.50 |
| | | 149 | 5745.0 | 17.15 | 17.40 | 19.11 | 18.83 | 24.23 |
| | | 153 | 5765.0 | 17.06 | 17.04 | 18.88 | 18.72 | 24.03 |
| | | 157 | 5785.0 | 17.02 | 17.44 | 18.81 | 18.13 | 23.92 |
| 161 | | 5805.0 | 17.04 | 17.64 | 18.59 | 18.52 | 24.01 | |
| 165 | 5825.0 | 17.10 | 17.72 | 18.58 | 18.42 | 24.01 | | |
| IEEE 802.11ac 20MHz | 26M | 36 | 5180.0 | 17.57 | 17.51 | 19.92 | 19.16 | 24.68 |
| | | 40 | 5200.0 | 17.40 | 17.53 | 19.50 | 19.01 | 24.48 |
| | | 44 | 5220.0 | 17.46 | 17.62 | 19.52 | 19.12 | 24.54 |
| | | 48 | 5240.0 | 17.44 | 17.52 | 19.85 | 19.03 | 24.60 |
| | | 149 | 5745.0 | 17.10 | 17.55 | 19.47 | 19.41 | 24.53 |
| | | 153 | 5765.0 | 17.43 | 17.76 | 19.25 | 19.25 | 24.52 |
| | | 157 | 5785.0 | 17.35 | 17.34 | 19.24 | 19.20 | 24.40 |
| | | 161 | 5805.0 | 17.32 | 17.41 | 19.01 | 19.06 | 24.30 |
| | 165 | 5825.0 | 17.50 | 17.82 | 18.98 | 18.95 | 24.38 | |
| | 312M | 36 | 5180.0 | 17.59 | 17.41 | 19.80 | 19.25 | 24.66 |
| | | 40 | 5200.0 | 17.48 | 17.71 | 19.42 | 18.88 | 24.47 |
| | | 44 | 5220.0 | 17.32 | 17.50 | 19.47 | 18.85 | 24.40 |
| | | 48 | 5240.0 | 17.39 | 17.76 | 19.36 | 18.70 | 24.39 |
| | | 149 | 5745.0 | 17.43 | 17.61 | 19.42 | 19.08 | 24.49 |
| | | 153 | 5765.0 | 17.02 | 17.39 | 19.27 | 18.76 | 24.23 |
| | | 157 | 5785.0 | 17.27 | 17.63 | 18.95 | 18.94 | 24.28 |
| 161 | | 5805.0 | 17.20 | 17.40 | 18.83 | 18.91 | 24.18 | |
| 165 | 5825.0 | 17.27 | 17.76 | 18.78 | 18.45 | 24.13 | | |



| Band | DataRate | CH | Frequency (MHz) | Average Conducted power (dBm) | | | | |
|------------------------|----------|-----|-----------------|-------------------------------|-------|-------|-------|-------------|
| | | | | ANT-0 | ANT-1 | ANT-2 | ANT-3 | ANT-0+1+2+3 |
| IEEE 802.11ac 40MHz | 54M | 38 | 5190.0 | 15.07 | 15.45 | 17.82 | 17.17 | 22.55 |
| | | 46 | 5230.0 | 18.03 | 17.67 | 19.95 | 19.61 | 24.95 |
| | | 151 | 5755.0 | 17.46 | 17.44 | 19.76 | 19.58 | 24.72 |
| | | 159 | 5795.0 | 17.68 | 17.65 | 19.43 | 19.23 | 24.60 |
| | 720M | 38 | 5190.0 | 14.77 | 14.95 | 17.80 | 17.16 | 22.39 |
| | | 46 | 5230.0 | 17.64 | 17.90 | 19.73 | 19.16 | 24.71 |
| | | 151 | 5755.0 | 17.65 | 17.80 | 19.36 | 19.23 | 24.60 |
| | | 159 | 5795.0 | 17.78 | 17.69 | 19.38 | 18.91 | 24.52 |
| IEEE 802.11ac 80MHz | 117.2M | 42 | 5210.0 | 13.51 | 13.50 | 15.24 | 14.87 | 20.37 |
| | | 155 | 5775.0 | 17.44 | 17.25 | 19.21 | 18.70 | 24.25 |
| | 1560M | 42 | 5210.0 | 13.54 | 13.42 | 14.87 | 14.89 | 20.26 |
| | | 155 | 5775.0 | 17.24 | 17.48 | 18.98 | 18.52 | 24.14 |



4. Test Result

| Band | Data Rate | Frequency (MHz) | Limit (mw) | Distance [R] (cm) | Max tune-up Power (upper limit) [P] (dBm) | ANT Gain (dBi) | Numeric Gain [G] | Duty Cycle | [P] x [G] with Duty cycle [TP] (mW) | Power Density [S] (mw)/cm ² |
|--------------------------------|-----------|-----------------|------------|-------------------|---|----------------|------------------|------------|-------------------------------------|--|
| IEEE 802.11b ANT-0 | 1M | 2412 | 1.000 | 20 | 16.40 | 2.50 | 1.78 | 1 | 77.700 | 0.015 |
| | | 2437 | 1.000 | 20 | 16.90 | 2.50 | 1.78 | 1 | 87.180 | 0.017 |
| | | 2462 | 1.000 | 20 | 17.80 | 2.50 | 1.78 | 1 | 107.260 | 0.021 |
| IEEE 802.11g ANT-0 | 6M | 2412 | 1.000 | 20 | 18.00 | 2.50 | 1.78 | 1 | 112.310 | 0.022 |
| | | 2437 | 1.000 | 20 | 17.60 | 2.50 | 1.78 | 1 | 102.430 | 0.020 |
| | | 2462 | 1.000 | 20 | 16.70 | 2.50 | 1.78 | 1 | 83.260 | 0.017 |
| IEEE 802.11n 2.4GHz 20MHz MIMO | 13M | 2412 | 1.000 | 20 | 19.20 | 2.50 | 1.78 | 1 | 148.050 | 0.029 |
| | | 2437 | 1.000 | 20 | 18.90 | 2.50 | 1.78 | 1 | 138.170 | 0.027 |
| | | 2462 | 1.000 | 20 | 18.60 | 2.50 | 1.78 | 1 | 128.950 | 0.026 |
| IEEE 802.11n 2.4GHz 40MHz MIMO | 27M | 2422 | 1.000 | 20 | 17.50 | 2.50 | 1.78 | 1 | 100.100 | 0.020 |
| | | 2437 | 1.000 | 20 | 17.30 | 2.50 | 1.78 | 1 | 95.590 | 0.019 |
| | | 2452 | 1.000 | 20 | 18.20 | 2.50 | 1.78 | 1 | 117.600 | 0.023 |



| Band | Data Rate | Frequency (MHz) | Limit (mw) | Distance [R] (cm) | Max tune-up Power (upper limit) [P] (dBm) | ANT Gain (dBi) | Numeric Gain [G] | Duty Cycle | [P] x [G] with Duty cycle [TP] (mW) | Power Density [S] (mw)/cm ² |
|--------------------------|-----------|-----------------|------------|-------------------|---|----------------|------------------|------------|-------------------------------------|--|
| IEEE 802.11a MIMO | 6M | 5180 | 1.000 | 20 | 24.70 | 4.00 | 2.51 | 1 | 740.750 | 0.147 |
| | | 5200 | 1.000 | 20 | 24.90 | 4.00 | 2.51 | 1 | 775.660 | 0.154 |
| | | 5220 | 1.000 | 20 | 24.80 | 4.00 | 2.51 | 1 | 758.010 | 0.151 |
| | | 5240 | 1.000 | 20 | 24.70 | 4.00 | 2.51 | 1 | 740.750 | 0.147 |
| | | 5745 | 1.000 | 20 | 24.50 | 4.00 | 2.51 | 1 | 707.410 | 0.141 |
| | | 5765 | 1.000 | 20 | 24.40 | 4.00 | 2.51 | 1 | 691.310 | 0.138 |
| | | 5785 | 1.000 | 20 | 24.30 | 4.00 | 2.51 | 1 | 675.580 | 0.134 |
| | | 5805 | 1.000 | 20 | 24.30 | 4.00 | 2.51 | 1 | 675.580 | 0.134 |
| | | 5825 | 1.000 | 20 | 24.30 | 4.00 | 2.51 | 1 | 675.580 | 0.134 |
| IEEE 802.11ac 20MHz MIMO | 26M | 5180 | 1.000 | 20 | 24.80 | 4.00 | 2.51 | 1 | 758.010 | 0.151 |
| | | 5200 | 1.000 | 20 | 24.60 | 4.00 | 2.51 | 1 | 723.890 | 0.144 |
| | | 5220 | 1.000 | 20 | 24.70 | 4.00 | 2.51 | 1 | 740.750 | 0.147 |
| | | 5240 | 1.000 | 20 | 24.80 | 4.00 | 2.51 | 1 | 758.010 | 0.151 |
| | | 5745 | 1.000 | 20 | 24.70 | 4.00 | 2.51 | 1 | 740.750 | 0.147 |
| | | 5765 | 1.000 | 20 | 24.70 | 4.00 | 2.51 | 1 | 740.750 | 0.147 |
| | | 5785 | 1.000 | 20 | 24.60 | 4.00 | 2.51 | 1 | 723.890 | 0.144 |
| | | 5805 | 1.000 | 20 | 24.50 | 4.00 | 2.51 | 1 | 707.410 | 0.141 |
| | | 5825 | 1.000 | 20 | 24.50 | 4.00 | 2.51 | 1 | 707.410 | 0.141 |
| IEEE 802.11ac 40MHz MIMO | 54M | 5190 | 1.000 | 20 | 22.70 | 4.00 | 2.51 | 1 | 467.380 | 0.093 |
| | | 5230 | 1.000 | 20 | 25.10 | 4.00 | 2.51 | 1 | 812.220 | 0.162 |
| | | 5755 | 1.000 | 20 | 24.90 | 4.00 | 2.51 | 1 | 775.660 | 0.154 |
| | | 5795 | 1.000 | 20 | 24.70 | 4.00 | 2.51 | 1 | 740.750 | 0.147 |
| IEEE 802.11ac 80MHz MIMO | 117.2M | 5210 | 1.000 | 20 | 20.50 | 4.00 | 2.51 | 1 | 281.630 | 0.056 |
| | | 5775 | 1.000 | 20 | 24.40 | 4.00 | 2.51 | 1 | 691.310 | 0.138 |

Note:

1. The Numeric Gain calculated by $10^{(\text{ant. Gain(dBi)} / 10)}$.
2. Each band max power which perform MPE of any configurations.
3. The device operating IEEE 802.11b / g mode is Diversity with transmit signals to 1 TX.
4. The device operating IEEE 802.11a / n / ac mode is MIMO with transmit signals to 4 TX.
5. In WLAN 2.4G and WLAN 5G functions, they can be chosen to simultaneously transmitted.

Simultaneous Transmitting:

Total MPE = WLAN 2.4GHz MPE + WLAN 5GHz MPE = 0.029 + 0.162 = 0.191 mW/cm² < 1mW/cm²