# Radio Frequency Exposure

| | | |
|---|---|---|
| Applicant | : | ELO TOUCH SOLUTIONS, INC. |
| Address | : | 670 N. McCarthy Blvd., Suite 100 Milpitas, CA 95035 USA |
| Equipment | : | Touch All-in-One Computer |
| Model No. | : | ESY15I1E |
| Trade Name | : | Elo or elo |
| FCC ID | : | RBWESYQC5PAY |

**I HEREBY CERTIFY THAT :**

**The sample was received on Nov. 24, 2025 and the testing was completed on Jan. 31, 2026 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.**

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory

## CONTENTS

## History of this test report

| Report No. | Issued Date | Description |
|---|---|---|
| 25110183-TRFCC10 | Mar. 02, 2026 | Original |
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# 1. Summary of Test Procedure and Test Results

## 1.1. Applicable Standards

**FCC Rules and Regulations Part 2.1091**

| FCC Rule | . Description of Test | Result |
|---|---|---|
| 2.1091 | . Radio Frequency Exposure | PASS |

*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement, measurement uncertainty evaluation is not considered.

After engineering evaluation, the test results can refer to original report number: 24070407-TRFCC01 & 24070407-TRFCC02 & 24070407-TRFCC03 & 24070407-TRFCC04-A & 24070407-TRFCC06

# 2. Test Configuration of Equipment under Test

## 2.1. Feature of Equipment under Test

| | |
|---|---|
| Operation Frequency Range | NFC: 13.553~13.567MHz (NFC only for 15.6 inch EUT)<br>BT / BLE: 2400-2483.5MHz<br>WLAN:802.11b/g/n/ax: 2400-2483.5MHz<br>5GHz:802.11a/n/ac/ax:5150-5250MHz, 5250-5350MHz,<br>5470-5725MHz, 5725-5875MHz<br>6GHz: 802.11a/ax: 5925MHz~6425MHz, 6425MHz~6525MHz<br>6525MHz~6875MHz, 6875MHz~7125MHz |
| Center Frequency Range | NFC: 13.56MHz (NFC only for 15.6 inch EUT)<br>BT / BLE: 2402MHz-2480MHz<br>WLAN:802.11b/g/n/ax: 2412MHz-2462MHz<br>5GHz:802.11a/n/ac/ax:5180-5240MHz, 5260-5320MHz,<br>5500-5720MHz, 5745-5825MHz<br>6GHz: 802.11a/ax: 5955MHz~6415MHz, 6435MHz~6515MHz<br>6535MHz~6855MHz, 6875MHz~7115MHz |
| Modulation Type | NFC: ASK (NFC only for 15.6 inch EUT)<br>BT: GFSK, $\pi$/4-DQPSK, 8DPSK<br>BLE: GFSK<br>WLAN:<br>2.4GHz:<br>802.11b: CCK, DQPSK, DBPSK<br>802.11g/n: BPSK, QPSK, 16QAM, 64QAM<br>802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM<br>5GHz:<br>802.11a/n: BPSK, QPSK, 16QAM, 64QAM<br>802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM<br>802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM<br>6GHz<br>802.11a: BPSK, QPSK, 16QAM, 64QAM<br>802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM |
| Modulation Technology | DSSS, OFDM, FHSS, DTS, OFDMA |
| Data Rate | BT:<br>GFSK: 1Mbps, $\pi$/4-DQPSK: 2Mbps, 8DPSK: 3Mbps<br>BLE:<br>GFSK: 1Mbps, 2Mbps<br>WLAN:<br>2.4GHz:<br>802.11b: 1, 2, 5.5, 11Mbps<br>802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps<br>802.11n: MCS0 – MCS15, HT20/40<br>802.11ax: MCS0 – MCS11, HE20/40<br>5GHz:<br>802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps<br>802.11n: MCS0 – MCS15, HT20/40<br>802.11ac: MCS0 – MCS9, VHT20/40/80/160<br>802.11ax: MCS0 – MCS11, HE20/40/80/160<br>6GHz<br>802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps<br>802.11ax: MCS0 – MCS11, HE20/40/80/160 |

| | |
|---|---|
| Antenna Type | NFC: PCB Antenna (NFC only for 15.6 inch EUT)<br>BT/BLE/WLAN: PIFA Antenna |
| Antenna Gain<br>(NFC only for 15.6 inch EUT) | For NFC:0 dBi<br>For BT / BLE:<br>2400-2500MHz: ANT A: 2.72dBi<br>For WLAN:<br>2400-2500MHz: ANT A: 2.72dBi, ANT B: 2.42dBi<br>5150-5250MHz: ANT A: 2.44dBi, ANT B: 2.65dBi<br>5250-5350MHz: ANT A: 1.86dBi, ANT B: 2.69dBi<br>5470-5725MHz: ANT A: 2.83dBi, ANT B: 2.79dBi<br>5725-5850MHz: ANT A: 2.63dBi, ANT B: 2.79dBi<br>5925~6425MHz:ANT A: 2.53dBi, ANT B: 2.48dBi<br>6425~6525MHz:ANT A: 2.42dBi, ANT B: 2.44dBi<br>6525~6875MHz:ANT A: 2.42dBi, ANT B: 2.44dBi<br>6875~7125MHz:ANT A: 2.59dBi, ANT B: 2.44dBi |

EUT powered by

| Adapter | ESY15I1E |
|---|---|
| Brand: Billion<br>Model: BA090-190474MBX | ☒ |
| Brand: Billion<br>Model: BA070-190342MBX | ☒ |
| Brand: Delta<br>Model: ADP-65JH HB | ☒ |

Flip Stand Without Panel powered by

| Adapter | ESY15I1E |
|---|---|
| Brand: Billion<br>Model: BS180-240625MBX | ☒ |
| Brand: Delta<br>Model: ADP-150EH B | ☒ |

| | |
|---|---|
| Power Cable(EU)*2 | Brand: I-SHENG<br>Model: CAB-PWR-EU-3 LOBE-1.8M-BLK-R |
| Power Cable(US)*2 | Brand: I-SHENG<br>Model: CAB-PWR-US-3 LOBE-1.8M-BLK-R |
| Flip Stand Without Panel | Brand: ELO<br>Model: E767356 KIT, Z20-POS-STAND-GEN2-15 |
| Type-C Cable | Brand: Hotron<br>Model: E113033 CAB, USB-C TO USB-C, Z20 Gen2 15,330mm,HT |
| Poe Module | Brand: ELO<br>Model: E669163, ELO-KIT-POE-ADAPTER-5.0 |
| Panel | Brand: BOE<br>Model: BOE PV156FHM-N20<br>Brand: LG<br>Model: LP156WFC-SPDZ<br>Brand: K&D<br>Model: KD156N29-30NI-A022 |

Note:
1. EUT support TPC Function.
2. EUT supports DFS Client Mode, without radar detection.
3. WLAN and BT can simultaneously transmission.
4. The device not support Channel Puncturing or Bandwidth Reduction mechanisms supported
5. 802.11ax EUT Only Support Full RU
6. EUT Operating mode : Indoor Client.
7. For more details, please refer to the User's manual of the EUT.

## 2.2. General Information of Test

| | | |
|---|---|---|
| Organization | Cerpass Technology Corp. | |
| ☒ Test Site | Cerpass Technology Corporation Test Laboratory<br>Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.)<br>Tel: +886-3-3226-888<br>Fax: +886-3-3226-881 | |
| | FCC | TW1439, TW1079 |
| | IC | 4934E-1, 4934E-2 |
| Frequency Range Investigated | Conducted: from 150kHz to 30 MHz<br>Radiation: from 30 MHz to 40,000MHz | |
| Test Distance | The test distance of radiated emission from antenna to EUT is 3 M. | |

For NFC

| Test Item | Test Site | Test period | Environmental Conditions | Tested By |
|---|---|---|---|---|
| Radiated Emissions | 3M02-NK | 2026/01/31 | 21.3℃ / 45% | Leon Huang |

For 24070407-TRFCC01-BT

| Test Item | Test Site | Test period | Environmental Conditions | Tested By |
|---|---|---|---|---|
| RF Conducted | RFCON01-NK | 2024/09/24 | 25.5°C / 44% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/09/25 | 25.9°C / 41% | Leon Huang |

For 24070407-TRFCC02-BLE

| Test Item | Test Site | Test period | Environmental Conditions | Tested By |
|---|---|---|---|---|
| RF Conducted | RFCON01-NK | 2024/09/05 | 28.1℃ / 44% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/09/06 | 27.3℃ / 48% | Leon Huang |

For 24070407-TRFCC03-WIFI 2.4G -SISO-ANT A &ANT B

| Test Item | Test Site | Test period | Environmental Conditions | Tested By |
|---|---|---|---|---|
| RF Conducted | RFCON01-NK | 2024/08/27 | 28.3°C / 49% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/08/28 | 28.1°C / 48% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/09/23 | 25.2°C / 42% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/09/24 | 25.5°C / 44% | Leon Huang |

For 24070407-TRFCC03-WIFI 2.4G-MIMO

| Test Item | Test Site | Test period | Environmental Conditions | Tested By |
|---|---|---|---|---|
| RF Conducted | RFCON01-NK | 2024/08/25 | 26.5°C / 46% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/08/26 | 26.7°C/ 43% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/09/12 | 27.2°C / 42% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/09/13 | 27.8°C / 44% | Leon Huang |

24070407-TRFCC04-A-WIFI 5G-SISO-ANT A &ANT B

| Test Item | Test Site | Test period | Environmental Conditions | Tested By |
|---|---|---|---|---|
| RF Conducted | RFCON01-NK | 2024/08/28 | 28.1°C / 48% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/08/29 | 26.8°C / 45% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/09/19 | 25.8°C / 41% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/10/08 | 25.6°C / 44% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/10/28 | 24.6°C / 45% | Leon Huang |

24070407-TRFCC04-A-WIFI 5G-MIMO

| Test Item | Test Site | Test Period | Environmental Conditions | Tested By |
|---|---|---|---|---|
| RF Conducted | RFCON01-NK | 2024/08/26 | 26.7℃ / 43% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/08/27 | 28.3°C / 49% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/08/28 | 28.1°C / 48% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/09/19 | 25.8°C / 41% | Leon Huang |

24070407-TRFCC06-WIFI 6E-SISO-ANT A &ANT B

| Test Item | Test Site | Test period | Environmental Conditions | Tested By |
|---|---|---|---|---|
| RF Conducted | RFCON01-NK | 2024/10/28 | 24.6°C/ 45% | Leon Huang |
| RF Conducted | RFCON01-NK | 2024/11/15 | 24.9°C / 56% | Leon Huang |

24070407-TRFCC06-WIFI 6E-MIMO

| Test Item | Test Site | Test period | Environmental Conditions | Tested By |
|---|---|---|---|---|
| RF Conducted | RFCON01-NK | 2024/10/28 | 24.6°C / 45% | Leon Huang |

## 2.3. Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

For BT / BLE / 2.4G

| Measurement Item | Uncertainty |
|---|---|
| AC Power Line Conduction(150K~30MHz) | ±3.12dB |
| Radiated Spurious Emission(9KHz~30MHz) | ±3.5dB |
| Radiated Spurious Emission(30MHz~1GHz) | ±5.1dB |
| Radiated Spurious Emission(1GHz~40GHz) | ±5.2dB |
| Conducted Spurious Emission | ±2.1dB |
| 6dB Bandwidth | ±5.4% |
| 20dB Bandwidth | ±4.4% |
| Occupied Bandwidth | ±4.5% |
| Peak Output Power(Conducted Power Meter) | ±1.1dB |
| Dwell Time / Deactivation Time | ±7.6% |
| Power Spectral Density | ±2.0dB |
| Duty Cycle | ±3.5% |

For 5G&6E

| Measurement Item | Uncertainty |
|---|---|
| AC Power Line Conduction(150K~30MHz) | ±3.12dB |
| Radiated Spurious Emission(9KHz~30MHz) | ±3.5dB |
| Radiated Spurious Emission(30MHz~1GHz) | ±5.1dB |
| Radiated Spurious Emission(1GHz~40GHz) | ±5.2dB |
| 6dB Bandwidth | ±5.4% |
| 26dB Bandwidth | ±4.4% |
| Occupied Bandwidth | ±4.5% |
| Peak Output Power(Conducted Power Meter) | ±1.1dB |
| Power Spectral Density | ±2.0dB |
| Duty Cycle | ±3.5% |
| Frequency Stability | ±0.23KHz |

For NFC

| Measurement Item | Uncertainty |
|---|---|
| Radiated Spurious Emission(9KHz~30MHz) | ±3.4dB |
| Radiated Spurious Emission(30MHz~1GHz) | ±5.2dB |
| 20dB Bandwidth | ±4.5% |
| Occupied Bandwidth | ±4.4% |
| Frequency Stability | ±0.22kHz |

## 3. Test Equipment and Ancillaries Used for Tests

For 24070407-TRFCC01 & 24070407-TRFCC02 & 24070407-TRFCC03 & 24070407-TRFCC04-A & 24070407-TRFCC06

| Test Item | RF Conducted | | | | |
|---|---|---|---|---|---|
| Test Site | RFCON01-NK | | | | |
| Instrument | Manufacturer | Model No | Serial No | Calibration Date | Valid Date |
| CAX Signal Analyzer | KEYSIGHT | N9000B | MY57100339 | 2023/11/06 | 2024/11/05 |
| Power Meter | Anritsu | ML2495A | 1224005 | 2024/02/17 | 2025/02/16 |
| Power Sensor | Anritsu | MA2411B | 1207295 | 2024/02/17 | 2025/02/16 |
| Attenuator | KEYSIGHT | 8491B | MY39250703 | 2024/02/20 | 2025/02/19 |

For NFC

| Test Item | Radiated Emissions | | | | |
|---|---|---|---|---|---|
| Test Site | Semi Anechoic Room(3M02-NK) | | | | |
| **Instrument** | **Manufacturer** | **Model No** | **Serial No** | **Calibration Date** | **Valid Date** |
| Bilog Antenna | Schwarzbeck | VULB9168 | VULB 9168-369 | 2025/02/17 | 2026/02/16 |
| Active Loop Antenna | Schwarzbeck | FMZB 1513 | 00414 | 2025/02/18 | 2026/02/17 |
| Horn Anrenna | EMCO | 3116 | 31974 | 2025/02/20 | 2026/02/19 |
| Horn Antenna | EMCO | 3115 | 31589 | 2025/02/20 | 2026/02/19 |
| Spectrum Analyzer | ROHDE & SCHWARZ | FSV 40-N | 102151 | 2025/08/18 | 2026/08/17 |
| EMI Receiver | ROHDE & SCHWARZ | ESCI | 101423 | 2025/07/10 | 2026/07/09 |
| Preamplifier | Agilent | 8449B | 3008A01954 | 2025/02/12 | 2026/02/11 |
| Preamplifier | EMC INSTRUMENTS | EMC184045 | 980065 | 2025/10/13 | 2026/10/12 |
| Preamplifier | EM Electronics corp. | EM330 | 60659 | 2025/12/18 | 2026/12/17 |
| Cable-4m(9k-3G) | EMEC | RG-223 | 18274M | 2025/07/02 | 2026/07/01 |
| Cable-3in1(30M-1G) | HARBOUR INDUSTRIES | LL142 | CCE1315 | 2025/02/21 | 2026/02/20 |
| Cable-0.5m(1G-40G) | HUBER SUHNER | SUCOFLEX 104 | 805443/4 | 2025/02/26 | 2026/02/25 |
| Cable-3m(1G-40G) | HUBER SUHNER | SUCOFLEX 104 | 805796/4 | 2025/02/26 | 2026/02/25 |
| Cable-8m(1G-26.5G) | WOKEN | WCBA-WCA203SM | CCE1374 | 2025/02/26 | 2026/02/25 |
| Cable-1m(1G-40G) | HUBER SUHNER | SF102E | 602125 | 2025/07/19 | 2026/07/18 |
| Cable-3m(1G-40G) | HUBER SUHNER | SF102E | 552450 | 2025/07/09 | 2026/07/08 |
| Highpass Filter | Warison | WFIL-H7500-18000F | WRQ4BFWC2J1 | 2025/02/21 | 2026/02/20 |
| Notch Filter | Warison | WFIL-N5925-7125F-04 | WRQ4BFWC4M1 | 2025/02/11 | 2026/02/10 |
| High Pass Filter | Warison | WFIL-H3000-18000F-03 | WRJ5CFWC2J1 | 2025/07/09 | 2026/07/08 |
| E3 | AUDIX | v8.2014-8-6 | RK-000529 | NA | NA |

# 4. Radio Frequency Exposure

## 4.1. Applicable Standards

<table>
<tr><td>☐<br>§1.1307(b)(3)(i)(A)</td><td>The available maximum time-averaged power is no more than 1 mW, regardless of separation distance.</td></tr>
<tr><td>☒<br>§1.1307(b)(3)(i)(c)</td><td>ERP is below a threshold calculated based on the distance , R between the person and t antenna / radiating structure, where R > λ / 2 π.<br>TABLE B.1—THRESHOLDS FOR SINGLE RF SOURCES SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION
<table>
<tr><th colspan="3">RF Source Frequency</th><th colspan="3">Minimum Distance</th><th>Threshold ERP</th></tr>
<tr><td>$f_L$ MHz</td><td></td><td>$f_H$ MHz</td><td>$\lambda_L / 2\pi$</td><td></td><td>$\lambda_H / 2\pi$</td><td>W</td></tr>
<tr><td>0.3</td><td>–</td><td>1.34</td><td>159 m</td><td>–</td><td>35.6 m</td><td>1,920 $R^2$</td></tr>
<tr><td>1.34</td><td>–</td><td>30</td><td>35.6 m</td><td>–</td><td>1.6 m</td><td>3,450 $R^2/f^2$</td></tr>
<tr><td>30</td><td>–</td><td>300</td><td>1.6 m</td><td>–</td><td>159 mm</td><td>3.83 $R^2$</td></tr>
<tr><td>300</td><td>–</td><td>1,500</td><td>159 mm</td><td>–</td><td>31.8 mm</td><td>0.0128 $R^2f$</td></tr>
<tr><td>1,500</td><td>–</td><td>100,000</td><td>31.8 mm</td><td>–</td><td>0.5 mm</td><td>19.2$R^2$</td></tr>
<tr><td colspan="7">Subscripts L and H are low and high; λ is wavelength.<br>From § 1.1307(b)(3)(i)(C), modified by adding Minimum Distance columns.</td></tr>
</table></td></tr>
<tr><td>☒<br>§ 1.1307(b)(3)(i)(B).</td><td>Device operates between 300 MHz and 6 GHz and the maximum time-averaged power or effective radiated power (ERP), whichever is greater, <= Pth<br>$$P_{th}\ (\text{mW}) = \begin{cases} ERP_{20\ cm}(d/20\ \text{cm})^x & d \le 20\ \text{cm} \\ ERP_{20\ cm} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases}$$<br>Where<br>$$x = -\log_{10}\left(\frac{60}{ERP_{20\ cm}\sqrt{f}}\right)$$ and $f$ is in GHz;<br>and<br>$$ERP_{20\ cm}\ (\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases}$$<br>$d$ = the separation distance (cm);</td></tr>
</table>

## 4.2. EUT Specification

For 24070407-TRFCC01 & 24070407-TRFCC02 & 24070407-TRFCC03 & 24070407-TRFCC04-A & 24070407-TRFCC06

| | |
|---|---|
| **Frequency band (Operating)** | ☒ WLAN: 2412MHz ~ 2462MHz<br>☒ WLAN: 5150MHz ~ 5250MHz<br>☒ WLAN: 5250MHz ~ 5350MHz<br>☒ WLAN: 5470MHz ~ 5725MHz<br>☒ WLAN: 5725MHz ~ 5850MHz<br>☒ WLAN: 5955MHz ~6415MHz<br>☒ WLAN: 6435MHz ~6515MHz<br>☒ WLAN: 6535MHz ~6855MHz<br>☒ WLAN: 6875MHz ~7115MHz<br>☒ Bluetooth: 2402MHz ~ 2480MHz<br>☒ NFC:13.553MHz ~ 13.567MHz |
| **Device category** | ☐ Portable (<20cm separation)<br>☒ Mobile (>20cm separation) |
| **Antenna diversity** | SISO<br>☒ Single antenna<br>☐ Multiple antennas<br>☐ Tx diversity<br>☐ Rx diversity<br>☐ Tx/Rx diversity<br>MIMO<br>☐ Single antenna<br>☒ Multiple antennas<br>☒ Tx diversity<br>☐ Rx diversity<br>☐ Tx/Rx diversity |
| **Evaluation applied** | ☐ Blanket 1 mW Blanket Exemption<br>☒ MPE-based Exemption<br>☐ SAR-based Exemption |

***Remark:***

The maximum conducted output power is 87.31 dBuV/m at 13.56MHz (with 0dBi antenna gain.)-For NFC

The maximum conducted output power is 15.69dBm (37.068mW) at 2402MHz (with 2.32dBi antenna gain.)-For BT

The maximum conducted output power is 6.51dBm (4.477mW) at 2440MHz (with 2.32dBi antenna gain.)-For BLE

The maximum conducted output power is 24.02dBm (252.348mW) at 2437MHz (with 2.72dBi antenna gain.)-For WIFI 2.4G

The maximum conducted output power is 19.28dBm (84.711 mW) at 5260MHz (with 2.69dBi antenna gain.)-For WIFI 5G

The maximum conducted output power is 11.61dBm (12.11mW) at 6985MHz (with 2.28dBi antenna gain.) -For WIFI 6E

### 4.3. Result

For NFC

| Channel Frequency (MHz) | Fundamental Emission (dBm) | Antenna Gain (dBi) | Conducted Power (dBm) | Max. Tune up power (dBm) | Fundamental Emission (mW) | Limit (mW) |
|---|---|---|---|---|---|---|
| 13.56 | -7.92 | 0.00 | -7.92 | -7.42 | 0.181184589 | 1 |

| Antenna Gain (dBi) | Antenna Gain (linear) | Distance (m) | Fundamental Emission (dBuV/m) | Fundamental Emission (V/m) | Fundamental Emission (W) | Fundamental Emission (dBm) |
|---|---|---|---|---|---|---|
| 0 | 1 | 3 | 87.31 | 0.02320064 | 0.00016148093 | -7.9187875 |

For 24070407-TRFCC01-BT

| Modulation Mode | Channel Frequency (MHz) | Max. Conducted output power (dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max.Tune up e.r.p. Power (dBm) | Max. Tune up e.r.p power (mW) | Limit (mW) |
|---|---|---|---|---|---|---|---|
| GFSK | 2402-2480 | 15.51 | 16.01 | 2.72 | 16.58 | 45.50 | 3060 |

No non-compliance noted.

For 24070407-TRFCC02-BLE

| Modulation Mode | Channel Frequency (MHz) | Max. Conducted output power (dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max.Tune up e.r.p. Power (dBm) | Max. Tune up e.r.p power (mW) | Limit (mW) |
|---|---|---|---|---|---|---|---|
| GFSK(1Mbps) | 2402-2480 | 6.42 | 6.92 | 2.72 | 7.49 | 5.61 | 3060 |

No non-compliance noted.

For 24070407-TRFCC03-WIFI 2.4G - SISO-ANT A

| Channel Frequency (MHz) | Max. Conducted output power(dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max.Tune up e.r.p. Power (dBm) | Max.Tune up e.r.p. Power (mW) | Limit (mW) |
|---|---|---|---|---|---|---|
| 2412-2462 | 24.02 | 24.52 | 2.72 | 25.09 | 322.85 | 3060 |

No non-compliance noted

For 24070407-TRFCC03-WIFI 2.4G - SISO-ANT B

| Channel Frequency (MHz) | Max. Conducted output power(dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max.Tune up e.r.p. Power (dBm) | Max.Tune up e.r.p. Power (mW) | Limit (mW) |
|---|---|---|---|---|---|---|
| 2412-2462 | 22.07 | 22.57 | 2.42 | 22.84 | 192.31 | 3060 |

No non-compliance noted

For 24070407-TRFCC03-WIFI 2.4G -MIMO

| Channel Frequency (MHz) | Max. Conducted output power(dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max.Tune up e.r.p. Power (dBm) | Max.Tune up e.r.p. Power (mW) | Limit (mW) |
|---|---|---|---|---|---|---|
| 2412-2462 | 20.41 | 20.91 | 2.72 | 21.48 | 140.45 | 3060 |

No non-compliance noted.

For 24070407-TRFCC04-A-WIFI 5G
ANT A

| Modulation Type | Channel Frequency (MHz) | Max. Conducted output power(dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max.Tune up e.r.p. Power (dBm) | Max. Tune up e.r.p power (mW) | Limit (mW) |
|---|---|---|---|---|---|---|---|
| 11a | 5180-5240 | 18.20 | 18.70 | 2.44 | 18.99 | 79.25 | 3060 |
| 11a | 5260-5320 | 15.27 | 15.77 | 1.86 | 15.48 | 35.32 | 3060 |
| 11a | 5500-5720 | 16.01 | 16.51 | 2.83 | 17.19 | 52.36 | 3060 |
| 11a | 5745-5825 | 15.40 | 15.90 | 2.63 | 16.38 | 43.45 | 3060 |

For 24070407-TRFCC04-A-ANT B

| Modulation Type | Channel Frequency (MHz) | Max. Conducted output power(dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max.Tune up e.r.p. Power (dBm) | Max. Tune up e.r.p power (mW) | Limit (mW) |
|---|---|---|---|---|---|---|---|
| 11a | 5180-5240 | 19.09 | 19.59 | 2.65 | 20.09 | 102.09 | 3060 |
| 11a | 5260-5320 | 18.06 | 18.56 | 2.69 | 19.10 | 81.28 | 3060 |
| 11a | 5500-5720 | 17.53 | 18.03 | 2.79 | 18.67 | 73.62 | 3060 |
| 11a | 5745-5825 | 17.57 | 18.07 | 2.79 | 18.71 | 74.30 | 3060 |

For 24070407-TRFCC04-A-ANT A, B

| Modulation Type | Channel Frequency (MHz) | Max. Conducted output power(dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max.Tune up e.r.p. Power (dBm) | Max. Tune up e.r.p power (mW) | Limit (mW) |
|---|---|---|---|---|---|---|---|
| 11ax20 | 5180-5240 | 18.09 | 18.59 | 2.65 | 19.09 | 81.04 | 3060 |
| 11ax20 | 5260-5320 | 19.28 | 19.78 | 2.69 | 20.32 | 107.63 | 3060 |
| 11ax40 | 5500-5720 | 17.91 | 18.41 | 2.83 | 19.09 | 81.09 | 3060 |
| 11ax20 | 5745-5825 | 16.32 | 16.82 | 2.79 | 17.46 | 55.69 | 3060 |

No non-compliance noted.

For 24070407-TRFCC06-WIFI 6E - SISO-ANT A

| Channel Frequency (MHz) | Max. Conducted output power(dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max. Tune up EIRP (dBm) | Max. Tune up ERP (dBm) | Distance (cm) | λ/2π (cm) | Max. Tune up ERP (W) | ERP Threshold (W) |
|---|---|---|---|---|---|---|---|---|---|
| 5955 | 6.48 | 6.98 | 2.53 | 9.51 | 7.36 | 20 | 0.8022 | 0.005 | 0.768 |
| 6435 | 5.44 | 5.94 | 2.42 | 8.36 | 6.21 | 20 | 0.74236 | 0.004 | 0.768 |
| 6715 | 6.16 | 6.66 | 2.42 | 9.08 | 6.93 | 20 | 0.7114 | 0.005 | 0.768 |
| 7015 | 7.24 | 7.74 | 2.59 | 10.33 | 8.18 | 20 | 0.68098 | 0.007 | 0.768 |

No non-compliance noted

For 24070407-TRFCC06-WIFI 6E - SISO-ANT B

| Channel Frequency (MHz) | Max. Conducted output power(dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max. Tune up EIRP (dBm) | Max. Tune up ERP (dBm) | Distance (cm) | λ/2π (cm) | Max. Tune up ERP (W) | ERP Threshold (W) |
|---|---|---|---|---|---|---|---|---|---|
| 5955 | 5.41 | 5.91 | 2.48 | 8.39 | 6.24 | 20 | 0.8022 | 0.004 | 0.768 |
| 6515 | 5.11 | 5.61 | 2.44 | 8.05 | 5.90 | 20 | 0.73324 | 0.004 | 0.768 |
| 6715 | 5.98 | 6.48 | 2.44 | 8.92 | 6.77 | 20 | 0.7114 | 0.005 | 0.768 |
| 7015 | 6.83 | 7.33 | 2.44 | 9.77 | 7.62 | 20 | 0.68098 | 0.006 | 0.768 |

No non-compliance noted

For 24070407-TRFCC06-WIFI 6E -MIMO

| Channel Frequency (MHz) | Max. Conducted output power(dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Max. Tune up EIRP (dBm) | Max. Tune up ERP (dBm) | Distance (cm) | λ/2π (cm) | Max. Tune up ERP (W) | ERP Threshold (W) |
|---|---|---|---|---|---|---|---|---|---|
| 6025 | 11.28 | 11.78 | 2.53 | 14.31 | 12.16 | 20 | 0.7929 | 0.016 | 0.768 |
| 6465 | 7.84 | 8.34 | 2.44 | 10.78 | 8.63 | 20 | 0.73891 | 0.007 | 0.768 |
| 6705 | 8.52 | 9.02 | 2.44 | 11.46 | 9.31 | 20 | 0.71246 | 0.009 | 0.768 |
| 6985 | 11.47 | 11.97 | 2.59 | 14.56 | 12.41 | 20 | 0.6839 | 0.017 | 0.768 |

No non-compliance noted.

## Maximum Permissible Exposure (Co-location)

For 24070407-TRFCC01
Co-Located (BT+2.4G)

| Modulation Type | Channel Frequency (MHz) | Max. Conducted output power (dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Distance (cm) | Max.Tune up e.r.p. Power(mW) | Limit (mW) | MPE Ratio | |
|---|---|---|---|---|---|---|---|---|---|
| GFSK | 2402-2480 | 15.51 | 16.01 | 2.72 | 20 | 45.50 | 3060.00 | 0.01 | Pass |
| 11b | 2412-2462 | 24.02 | 24.52 | 2.72 | 20 | 322.85 | 3060.00 | 0.11 | |
| Co-location Total | | | | | | | --- | 0.12 | |
| ΣMPE ratios Limit | | | | | | | --- | 1.00 | |

Co-Located (BT+5G)

| Modulation Type | Channel Frequency (MHz) | Max. Conducted output power (dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Distance (cm) | Max.Tune up e.r.p. Power(mW) | Limit (mW) | MPE Ratio | |
|---|---|---|---|---|---|---|---|---|---|
| GFSK | 2402-2480 | 15.51 | 16.01 | 2.72 | 20 | 45.50 | 3060.00 | 0.01 | Pass |
| 11ax HE20 | 5260-5320 | 19.28 | 19.78 | 2.69 | 20 | 107.63 | 3060.00 | 0.04 | |
| Co-location Total | | | | | | | --- | 0.05 | |
| ΣMPE ratios Limit | | | | | | | --- | 1.00 | |

For ESY15I1E (BT+6E)

| Modulation Type | Channel Frequency (MHz) | Max. Conducted output power (dBm) | Max. Tune up power (dBm) | Antenna Gain(dBi) | Distance (cm) | Max.Tune up e.r.p. Power(mW) | Limit (mW) | MPE Ratio | |
|---|---|---|---|---|---|---|---|---|---|
| GFSK | 2402-2480 | 15.51 | 16.01 | 2.72 | 20 | 45.50 | 3060.00 | 0.01 | Pass |
| 11ax HE160 | 6985 | 11.47 | 11.97 | 2.59 | 20 | 17.42 | 768.00 | 0.02 | |
| Co-location Total | | | | | | | --- | 0.03 | |
| ΣMPE ratios Limit | | | | | | | --- | 1.00 | |

**----------THE END OF REPORT----------**