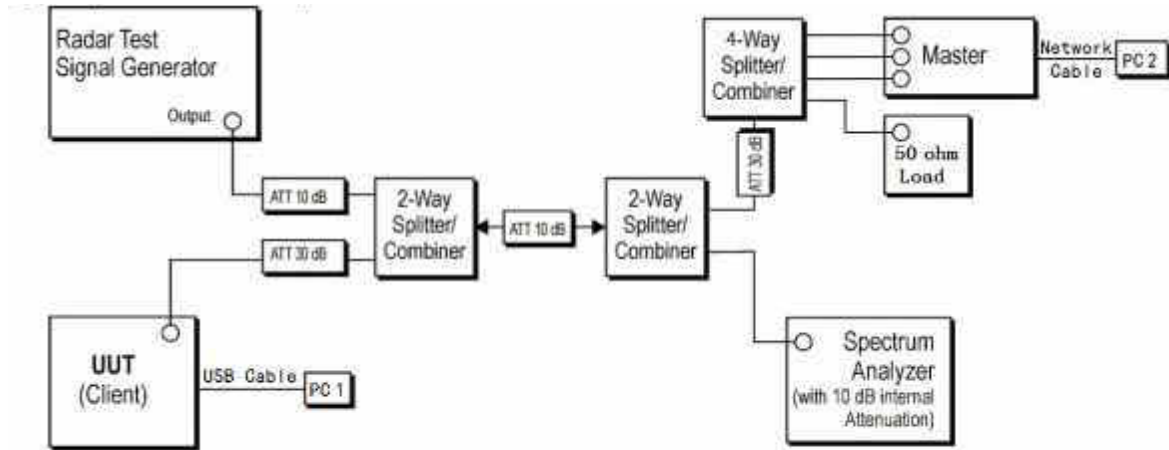


## 15.6. Test Setup

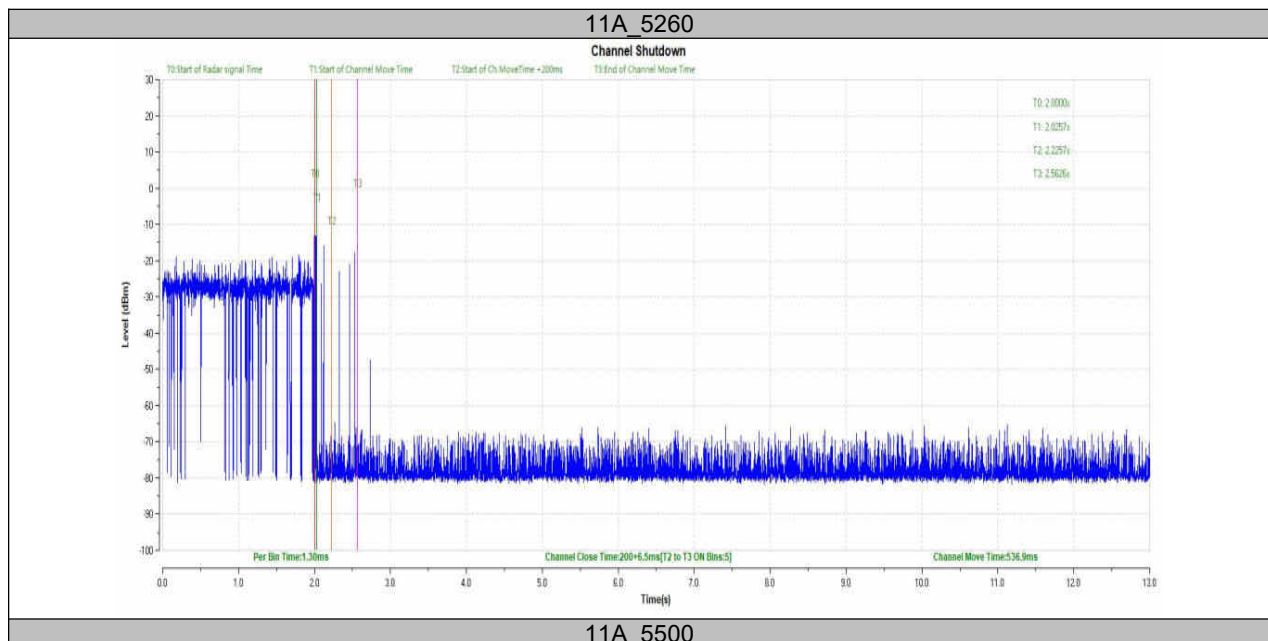
Setup for Client with injection at the Master

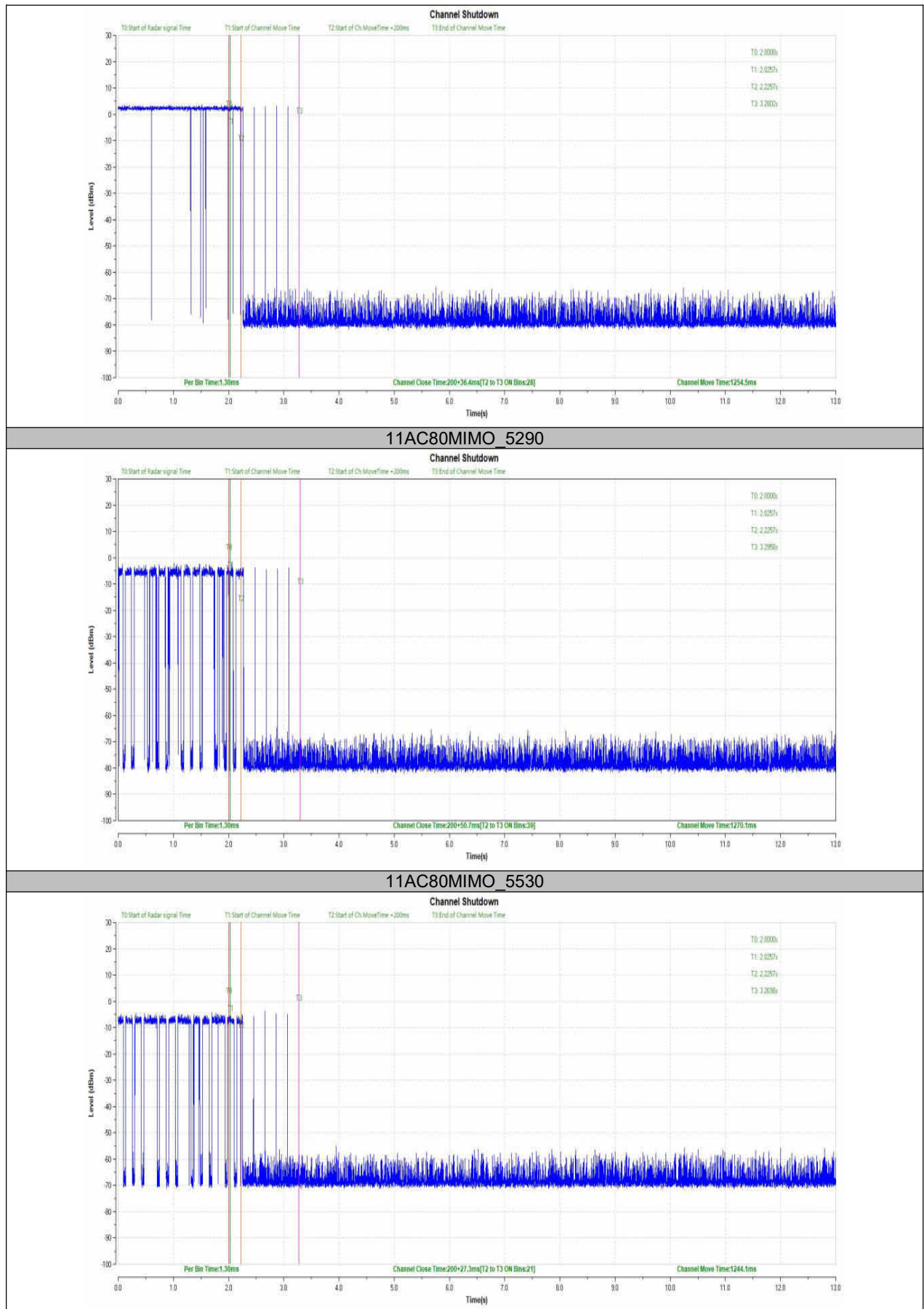
| Master Name                        | Brand Name | Model Name  | FCC ID       | Run-up Time(s) |
|------------------------------------|------------|-------------|--------------|----------------|
| ROG Rapture Tri-band Gaming Router | ASUS       | GT-AXE11000 | MSQ-RTAXJF00 | 90             |



## 15.7. Test Result

| TestMode   | Frequency(MHz) | CCTT(ms) | Limit(ms) | CMT(ms) | Limit(ms) | Verdict |
|------------|----------------|----------|-----------|---------|-----------|---------|
| 11A        | 5260           | 200+6.5  | 200+60    | 536.9   | 10000     | PASS    |
|            | 5500           | 200+36.4 | 200+60    | 1254.5  | 10000     | PASS    |
| 11AC80MIMO | 5290           | 200+50.7 | 200+60    | 1270.1  | 10000     | PASS    |
|            | 5530           | 200+27.3 | 200+60    | 1244.1  | 10000     | PASS    |





## **16. Antenna Requirements**

### **16.1. Applicable Requirements**

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### **16.2. Result**

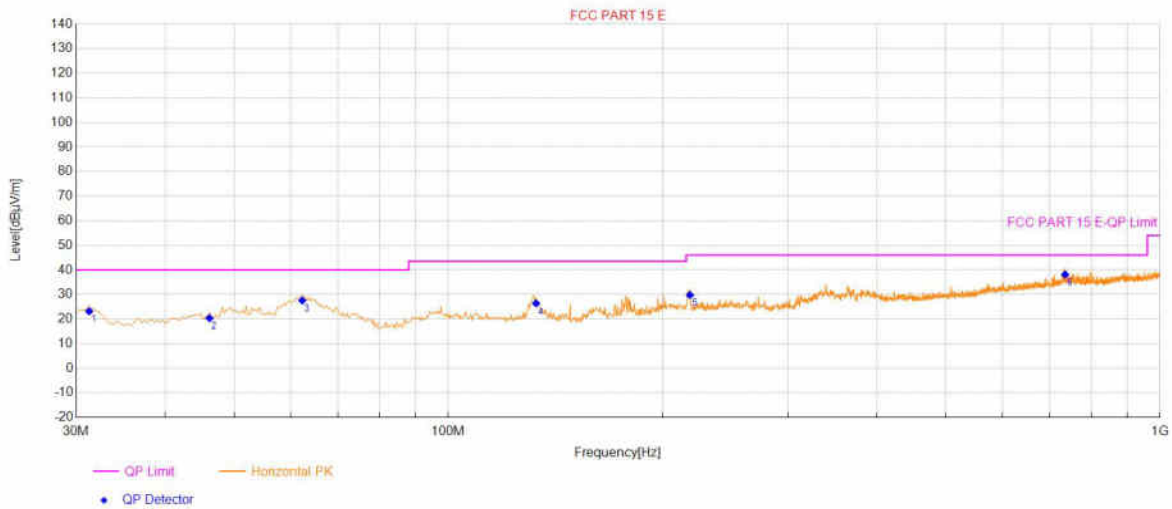
The device support 2T2R MIMO, the antennas both used for this product are dedicated External Antenna antennas and other than that furnished by the responsible party shall be used with the device, maximum antenna gain is 4.65 dBi.

## APPENDIX A - Radiated Emission Below 1GHz Test Data Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IG PC Module    |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5180            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      |                     |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 09:27:28

### Test Graph



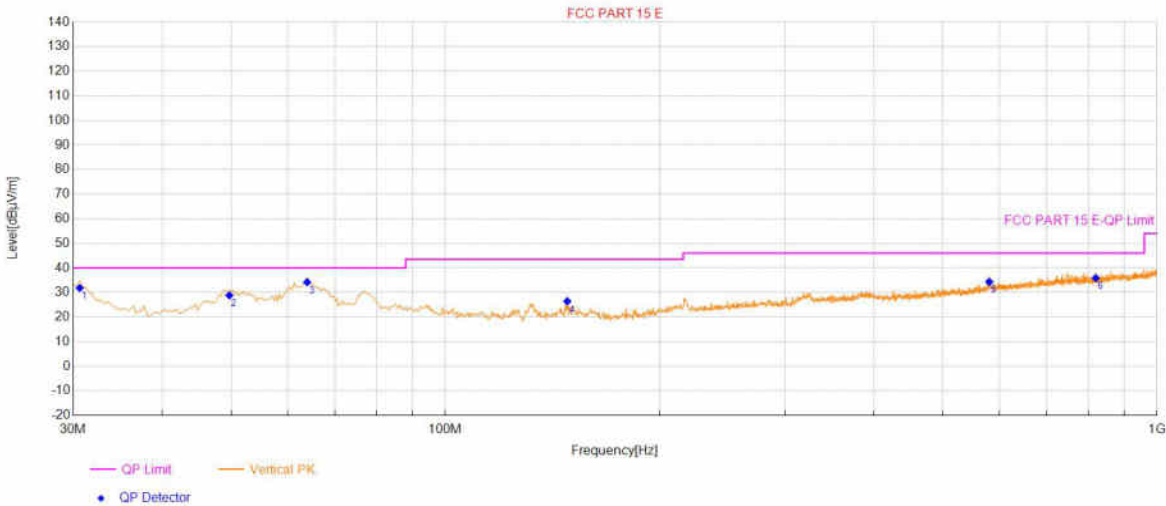
| Final Data List |                 |               |                   |                   |                |             |           |            |         |
|-----------------|-----------------|---------------|-------------------|-------------------|----------------|-------------|-----------|------------|---------|
| NO.             | Frequency (MHz) | Factor (dB/m) | QP Value (dBµV/m) | QP Limit (dBµV/m) | QP Margin (dB) | Height (cm) | Angle (°) | Polarity   | Verdict |
| 1               | 31.2938         | 17.73         | 23.20             | 40.00             | 16.80          | 100         | 301       | Horizontal | PASS    |
| 2               | 46.1721         | 21.11         | 20.38             | 40.00             | 19.62          | 100         | 32        | Horizontal | PASS    |
| 3               | 62.3441         | 19.70         | 27.60             | 40.00             | 12.40          | 100         | 342       | Horizontal | PASS    |
| 4               | 132.8543        | 16.89         | 26.39             | 43.50             | 17.11          | 100         | 82        | Horizontal | PASS    |
| 5               | 218.5662        | 21.05         | 29.79             | 46.00             | 16.21          | 100         | 108       | Horizontal | PASS    |
| 6               | 735.7486        | 32.36         | 38.12             | 46.00             | 7.88           | 100         | 301       | Horizontal | PASS    |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IG PC Module    |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5180            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      |                     |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 09:29:20

Test Graph



Final Data List

| NO. | Frequency (MHz) | Factor (dB/m) | QP Value (dBµV/m) | QP Limit (dBµV/m) | QP Margin (dB) | Height (cm) | Angle (°) | Polarity | Verdict |
|-----|-----------------|---------------|-------------------|-------------------|----------------|-------------|-----------|----------|---------|
| 1   | 30.6469         | 17.73         | 31.83             | 40.00             | 8.17           | 100         | 250       | Vertical | PASS    |
| 2   | 49.7299         | 21.44         | 28.84             | 40.00             | 11.16          | 100         | 32        | Vertical | PASS    |
| 3   | 63.9613         | 19.28         | 34.20             | 40.00             | 5.80           | 100         | 107       | Vertical | PASS    |
| 4   | 148.3795        | 17.01         | 26.40             | 43.50             | 17.10          | 100         | 167       | Vertical | PASS    |
| 5   | 581.1437        | 29.78         | 34.33             | 46.00             | 11.67          | 100         | 360       | Vertical | PASS    |
| 6   | 820.1667        | 33.26         | 35.88             | 46.00             | 10.12          | 100         | 353       | Vertical | PASS    |

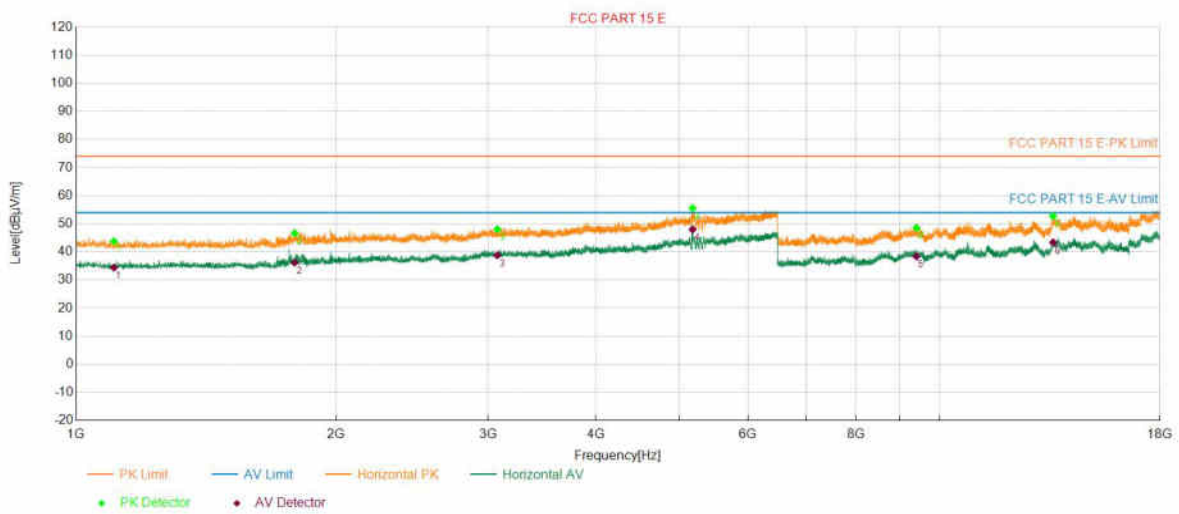
## APPENDIX B – Radiated Emission Above 1GHz Test Data

### Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5180            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 15       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:12:00

#### Test Graph



#### PK Final Data List

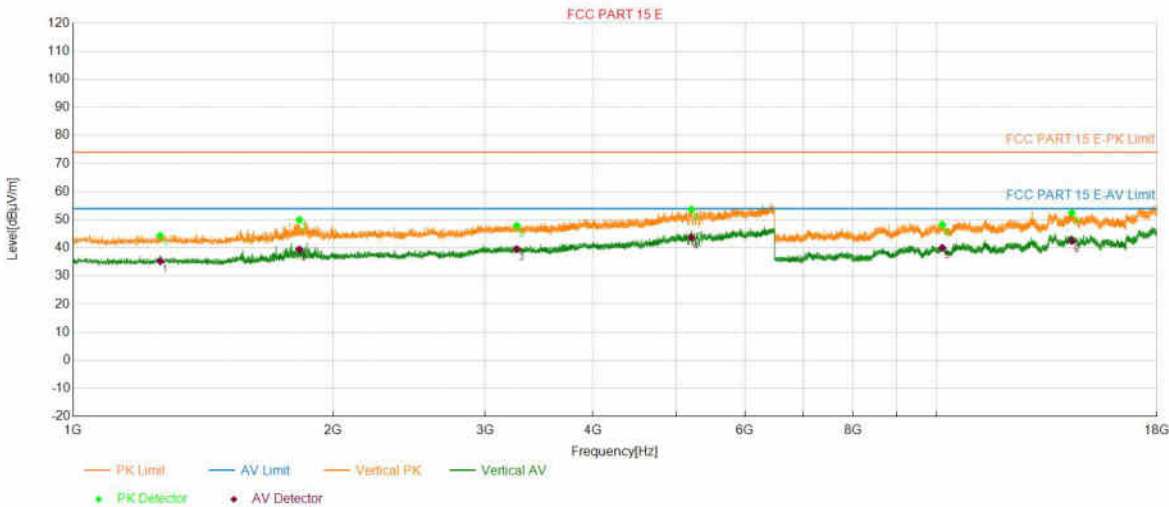
| NO. | Frequency (MHz) | PK Value (dBμV/m) | PK Limit (dBμV/m) | PK Margin (dB) | AV Value (dBμV/m) | AV Limit (dBμV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
|-----|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| 1   | 1106.1606       | 43.79             | 74.00             | 30.21          | 34.37             | 54.00             | 19.63          | 150         | 316       | Horizontal |
| 2   | 1790.9791       | 46.66             | 74.00             | 27.34          | 36.20             | 54.00             | 17.80          | 150         | 224       | Horizontal |
| 3   | 3075.3575       | 48.03             | 74.00             | 25.97          | 38.80             | 54.00             | 15.20          | 150         | 46        | Horizontal |
| 4   | 5174.9175       | 55.55             | 74.00             | 18.45          | 47.93             | 54.00             | 6.07           | 150         | 279       | Horizontal |
| 5   | 9399.4399       | 48.53             | 74.00             | 25.47          | 38.37             | 54.00             | 15.63          | 150         | 174       | Horizontal |
| 6   | 13535.2535      | 52.74             | 74.00             | 21.26          | 43.32             | 54.00             | 10.68          | 150         | 5         | Horizontal |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5180            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 15       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:13:22

Test Graph



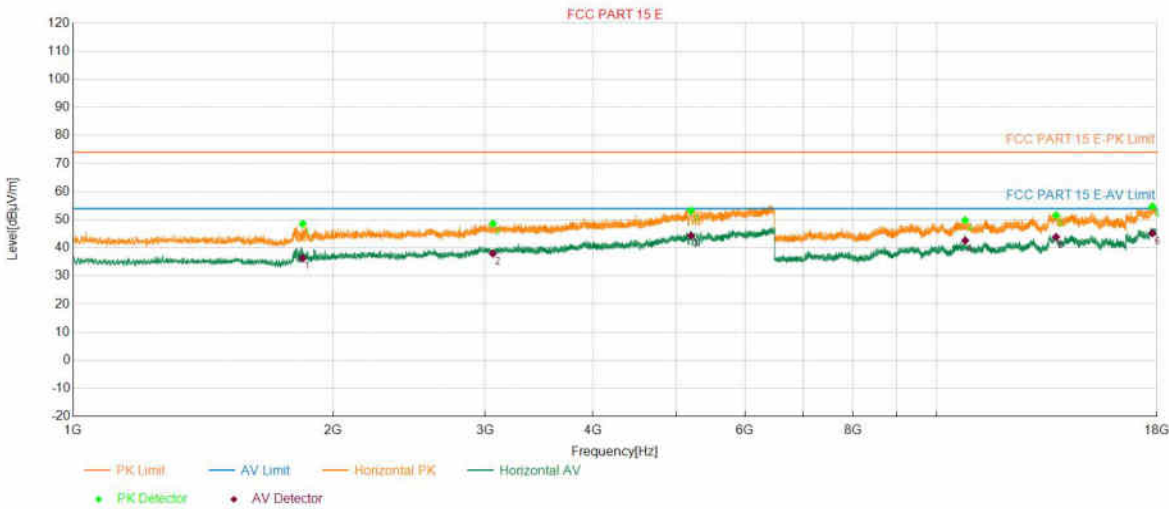
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1261.2761       | 44.32             | 74.00             | 29.68          | 35.25             | 54.00             | 18.75          | 150         | 208       | Vertical |
| 2                  | 1828.3828       | 49.96             | 74.00             | 24.04          | 39.44             | 54.00             | 14.56          | 150         | 176       | Vertical |
| 3                  | 3265.1265       | 47.83             | 74.00             | 26.17          | 39.59             | 54.00             | 14.41          | 150         | 356       | Vertical |
| 4                  | 5199.6700       | 53.59             | 74.00             | 20.41          | 43.60             | 54.00             | 10.40          | 150         | 109       | Vertical |
| 5                  | 10150.4650      | 48.27             | 74.00             | 25.73          | 40.04             | 54.00             | 13.96          | 150         | 17        | Vertical |
| 6                  | 14341.4841      | 52.50             | 74.00             | 21.50          | 42.43             | 54.00             | 11.57          | 150         | 295       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5200            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 13       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:18:38

Test Graph



| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1844.3344       | 48.57             | 74.00             | 25.43          | 36.31             | 54.00             | 17.69          | 150         | 227       | Horizontal |
| 2                  | 3062.7063       | 48.60             | 74.00             | 25.40          | 37.96             | 54.00             | 16.04          | 150         | 0         | Horizontal |
| 3                  | 5194.7195       | 53.21             | 74.00             | 20.79          | 44.30             | 54.00             | 9.70           | 150         | 1         | Horizontal |
| 4                  | 10792.2292      | 49.83             | 74.00             | 24.17          | 42.59             | 54.00             | 11.41          | 150         | 5         | Horizontal |
| 5                  | 13752.6253      | 51.59             | 74.00             | 22.41          | 43.87             | 54.00             | 10.13          | 150         | 103       | Horizontal |
| 6                  | 17779.1779      | 54.76             | 74.00             | 19.24          | 45.15             | 54.00             | 8.85           | 150         | 2         | Horizontal |

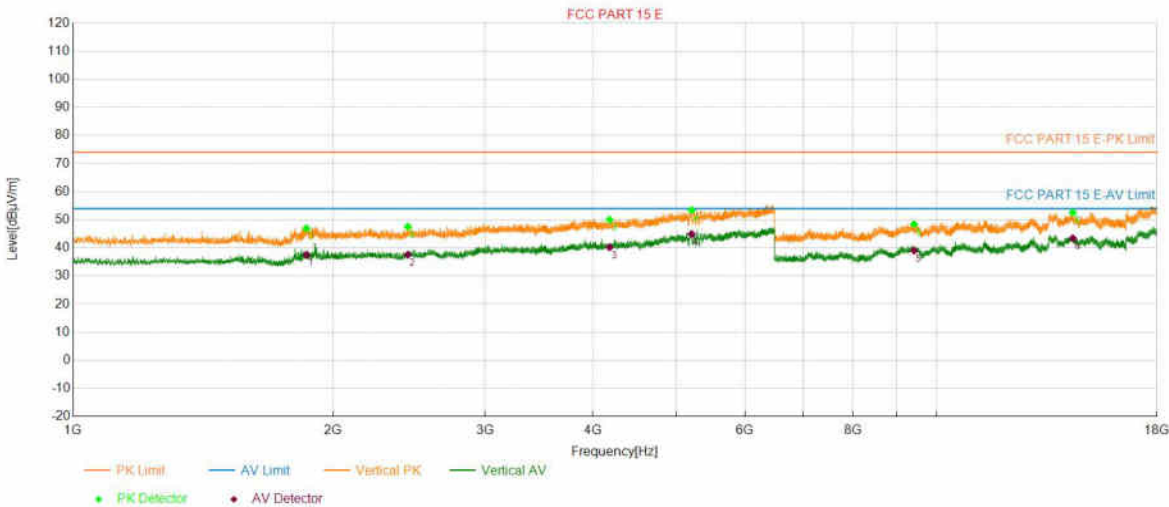


Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5200            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 13       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:20:00

Test Graph



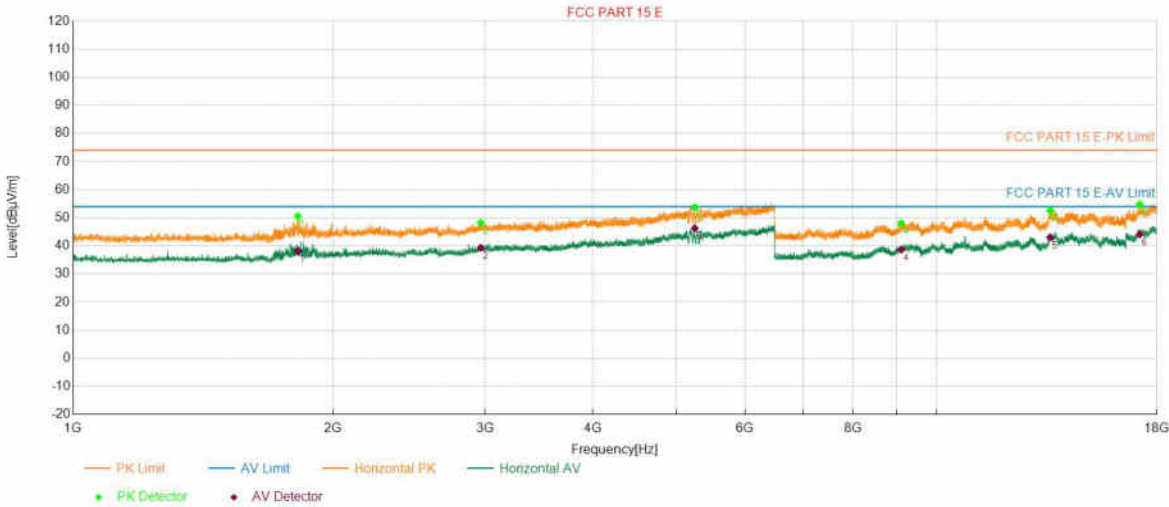
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1863.0363       | 46.91             | 74.00             | 27.09          | 37.46             | 54.00             | 16.54          | 150         | 162       | Vertical |
| 2                  | 2441.6942       | 47.53             | 74.00             | 26.47          | 37.55             | 54.00             | 16.45          | 150         | 224       | Vertical |
| 3                  | 4181.5182       | 50.03             | 74.00             | 23.97          | 40.19             | 54.00             | 13.81          | 150         | 1         | Vertical |
| 4                  | 5204.0704       | 53.43             | 74.00             | 20.57          | 44.89             | 54.00             | 9.11           | 150         | 95        | Vertical |
| 5                  | 9416.6917       | 48.40             | 74.00             | 25.60          | 39.04             | 54.00             | 14.96          | 150         | 222       | Vertical |
| 6                  | 14379.4379      | 52.54             | 74.00             | 21.46          | 43.39             | 54.00             | 10.61          | 150         | 115       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5240            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:24:11

Test Graph



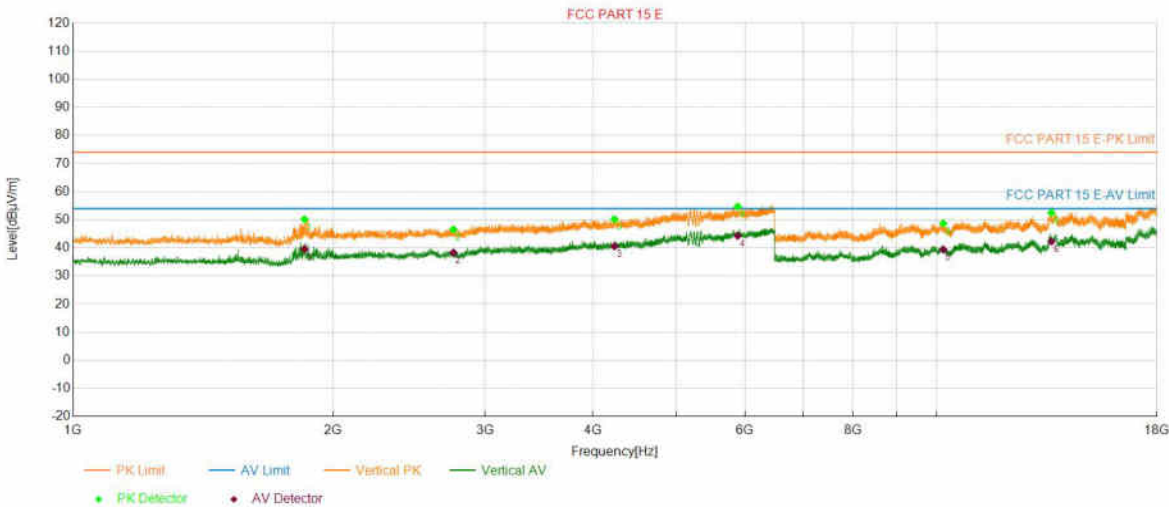
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBμV/m) | PK Limit (dBμV/m) | PK Margin (dB) | AV Value (dBμV/m) | AV Limit (dBμV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1820.6821       | 50.56             | 74.00             | 23.44          | 38.09             | 54.00             | 15.91          | 150         | 224       | Horizontal |
| 2                  | 2964.7965       | 48.16             | 74.00             | 25.84          | 39.30             | 54.00             | 14.70          | 150         | 148       | Horizontal |
| 3                  | 5246.4246       | 53.72             | 74.00             | 20.28          | 46.25             | 54.00             | 7.75           | 150         | 299       | Horizontal |
| 4                  | 9100.4100       | 47.97             | 74.00             | 26.03          | 38.68             | 54.00             | 15.32          | 150         | 212       | Horizontal |
| 5                  | 13537.5538      | 52.55             | 74.00             | 21.45          | 43.03             | 54.00             | 10.97          | 150         | 193       | Horizontal |
| 6                  | 17192.6193      | 54.77             | 74.00             | 19.23          | 44.06             | 54.00             | 9.94           | 150         | 350       | Horizontal |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5240            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:25:32

Test Graph



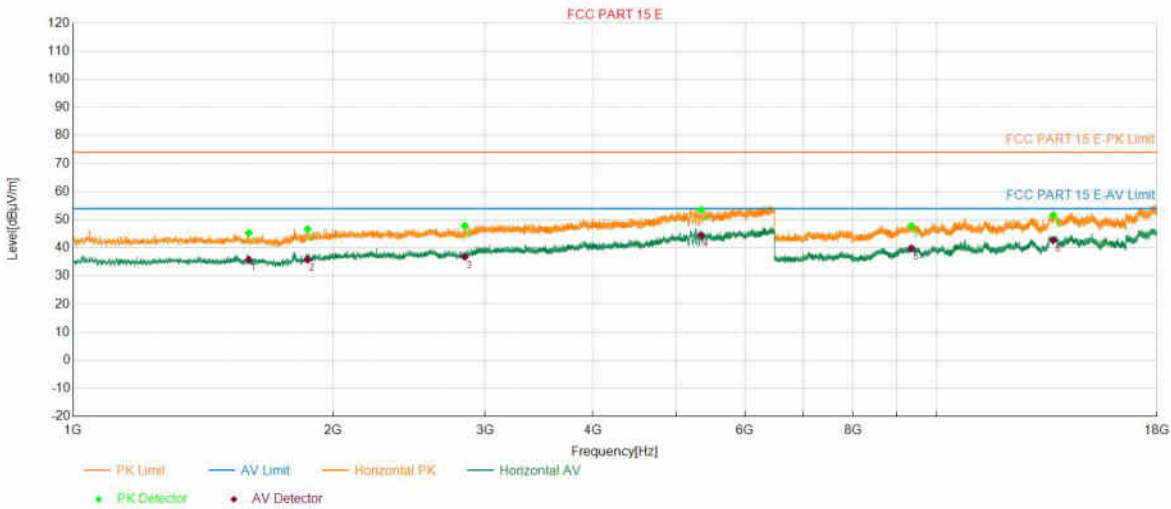
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1853.6854       | 50.17             | 74.00             | 23.83          | 39.57             | 54.00             | 14.43          | 150         | 174       | Vertical |
| 2                  | 2756.8757       | 46.56             | 74.00             | 27.44          | 38.32             | 54.00             | 15.68          | 150         | 228       | Vertical |
| 3                  | 4235.4235       | 50.23             | 74.00             | 23.77          | 40.58             | 54.00             | 13.42          | 150         | 337       | Vertical |
| 4                  | 5884.4884       | 54.72             | 74.00             | 19.28          | 44.26             | 54.00             | 9.74           | 150         | 204       | Vertical |
| 5                  | 10180.3680      | 48.71             | 74.00             | 25.29          | 39.40             | 54.00             | 14.60          | 150         | 86        | Vertical |
| 6                  | 13583.5584      | 52.49             | 74.00             | 21.51          | 42.28             | 54.00             | 11.72          | 150         | 256       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5260            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:28:18

Test Graph



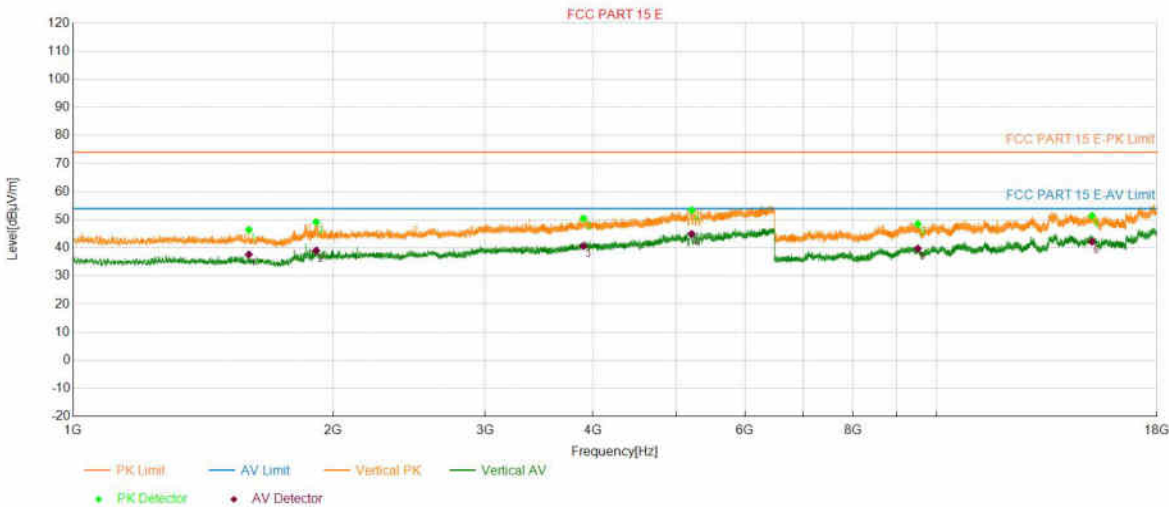
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1597.3597       | 45.33             | 74.00             | 28.67          | 35.83             | 54.00             | 18.17          | 150         | 187       | Horizontal |
| 2                  | 1867.9868       | 46.68             | 74.00             | 27.32          | 35.81             | 54.00             | 18.19          | 150         | 218       | Horizontal |
| 3                  | 2841.5842       | 47.86             | 74.00             | 26.14          | 36.81             | 54.00             | 17.19          | 150         | 292       | Horizontal |
| 4                  | 5338.2838       | 53.51             | 74.00             | 20.49          | 44.47             | 54.00             | 9.53           | 150         | 117       | Horizontal |
| 5                  | 9344.2344       | 47.84             | 74.00             | 26.16          | 39.81             | 54.00             | 14.19          | 150         | 31        | Horizontal |
| 6                  | 13652.5653      | 51.60             | 74.00             | 22.40          | 42.70             | 54.00             | 11.30          | 150         | 211       | Horizontal |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5260            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:29:40

Test Graph



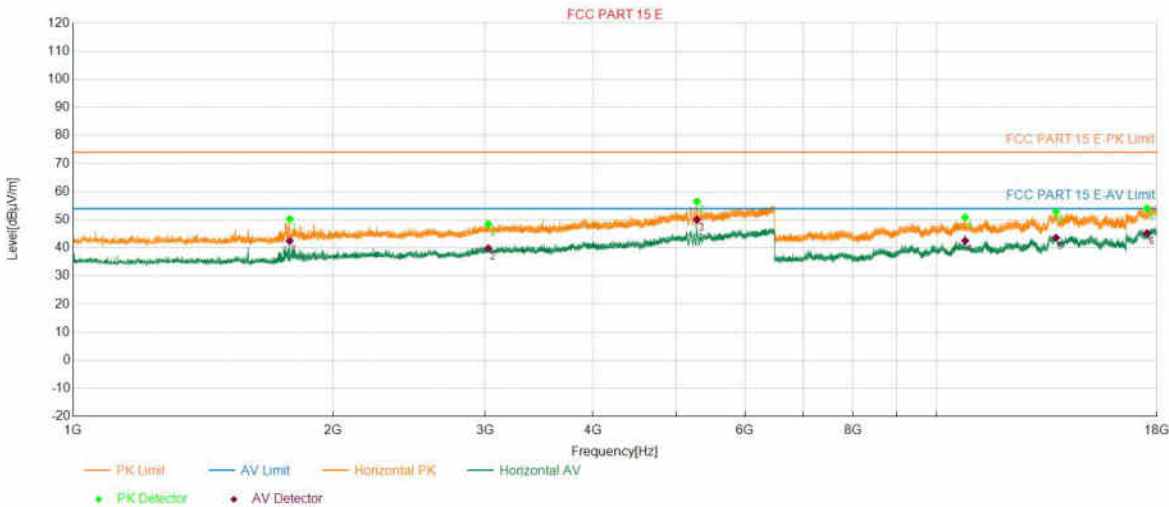
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1597.9098       | 46.41             | 74.00             | 27.59          | 37.65             | 54.00             | 16.35          | 150         | 82        | Vertical |
| 2                  | 1911.4411       | 49.18             | 74.00             | 24.82          | 38.99             | 54.00             | 15.01          | 150         | 184       | Vertical |
| 3                  | 3898.7899       | 50.46             | 74.00             | 23.54          | 40.60             | 54.00             | 13.40          | 150         | 249       | Vertical |
| 4                  | 5204.6205       | 53.40             | 74.00             | 20.60          | 44.93             | 54.00             | 9.07           | 150         | 249       | Vertical |
| 5                  | 9511.0011       | 48.47             | 74.00             | 25.53          | 39.77             | 54.00             | 14.23          | 150         | 100       | Vertical |
| 6                  | 15131.6132      | 51.41             | 74.00             | 22.59          | 42.20             | 54.00             | 11.80          | 150         | 118       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5280            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:36:16

Test Graph



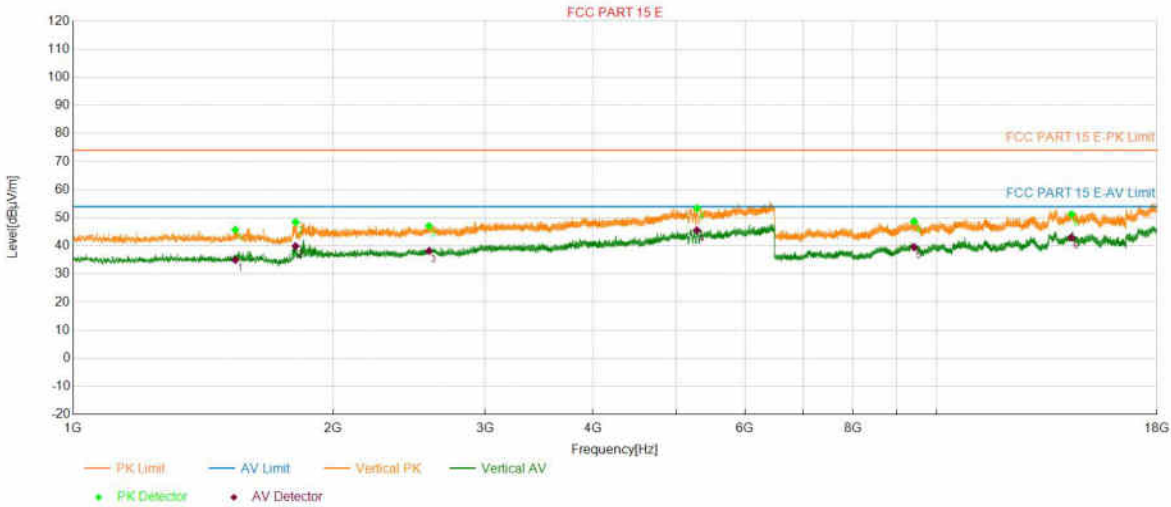
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1781.6282       | 50.25             | 74.00             | 23.75          | 42.42             | 54.00             | 11.58          | 150         | 140       | Horizontal |
| 2                  | 3025.8526       | 48.39             | 74.00             | 25.61          | 39.84             | 54.00             | 14.16          | 150         | 2         | Horizontal |
| 3                  | 5277.2277       | 56.52             | 74.00             | 17.48          | 50.03             | 54.00             | 3.97           | 150         | 287       | Horizontal |
| 4                  | 10791.0791      | 50.88             | 74.00             | 23.12          | 42.53             | 54.00             | 11.47          | 150         | 2         | Horizontal |
| 5                  | 13751.4751      | 52.80             | 74.00             | 21.20          | 43.57             | 54.00             | 10.43          | 150         | 91        | Horizontal |
| 6                  | 17525.0025      | 54.02             | 74.00             | 19.98          | 45.19             | 54.00             | 8.81           | 150         | 343       | Horizontal |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5280            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:37:38

Test Graph



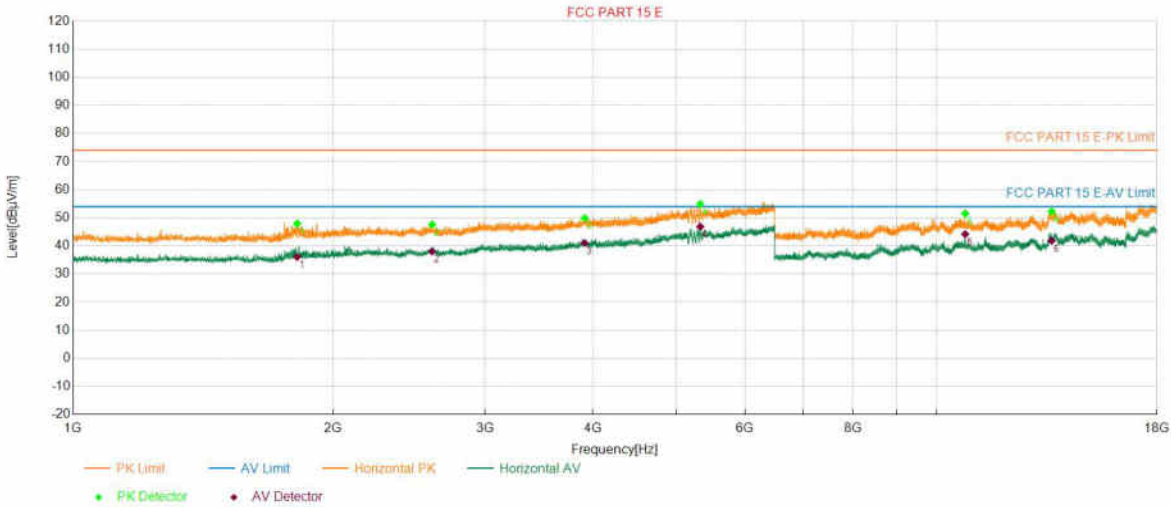
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1541.2541       | 45.71             | 74.00             | 28.29          | 34.98             | 54.00             | 19.02          | 150         | 5         | Vertical |
| 2                  | 1809.6810       | 48.44             | 74.00             | 25.56          | 39.89             | 54.00             | 14.11          | 150         | 183       | Vertical |
| 3                  | 2583.0583       | 47.05             | 74.00             | 26.95          | 38.17             | 54.00             | 15.83          | 150         | 221       | Vertical |
| 4                  | 5277.2277       | 53.38             | 74.00             | 20.62          | 45.54             | 54.00             | 8.46           | 150         | 172       | Vertical |
| 5                  | 9415.5416       | 48.67             | 74.00             | 25.33          | 39.57             | 54.00             | 14.43          | 150         | 283       | Vertical |
| 6                  | 14331.1331      | 51.29             | 74.00             | 22.71          | 42.94             | 54.00             | 11.06          | 150         | 312       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5320            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:40:57

Test Graph



| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1817.3817       | 47.93             | 74.00             | 26.07          | 36.04             | 54.00             | 17.96          | 150         | 142       | Horizontal |
| 2                  | 2604.5105       | 47.57             | 74.00             | 26.43          | 37.98             | 54.00             | 16.02          | 150         | 0         | Horizontal |
| 3                  | 3912.5413       | 49.89             | 74.00             | 24.11          | 40.99             | 54.00             | 13.01          | 150         | 137       | Horizontal |
| 4                  | 5324.5325       | 54.90             | 74.00             | 19.10          | 46.79             | 54.00             | 7.21           | 150         | 273       | Horizontal |
| 5                  | 10792.2292      | 51.51             | 74.00             | 22.49          | 44.17             | 54.00             | 9.83           | 150         | 360       | Horizontal |
| 6                  | 13591.6092      | 52.17             | 74.00             | 21.83          | 41.86             | 54.00             | 12.14          | 150         | 110       | Horizontal |

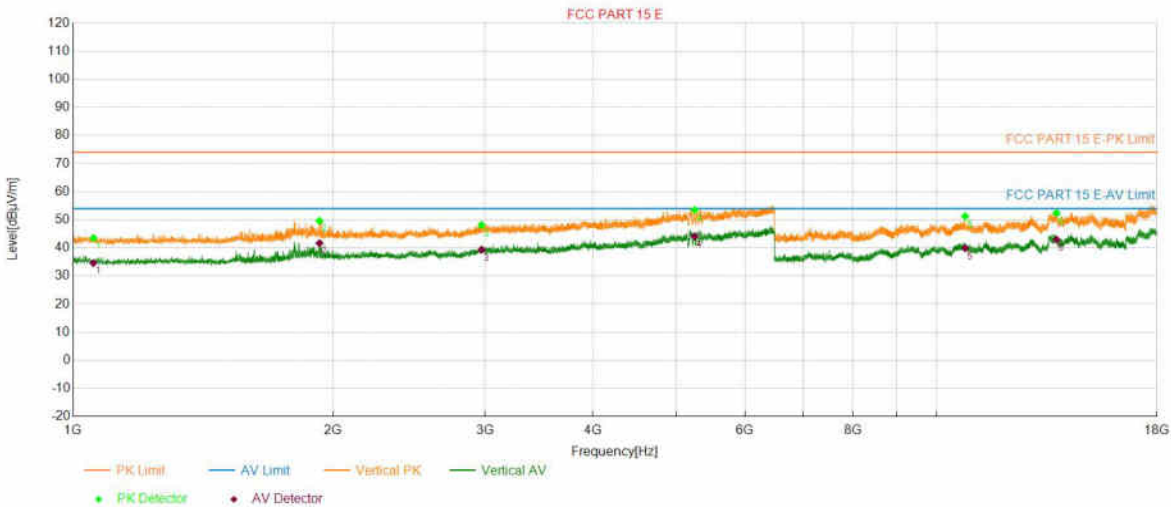


Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5320            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:42:18

Test Graph



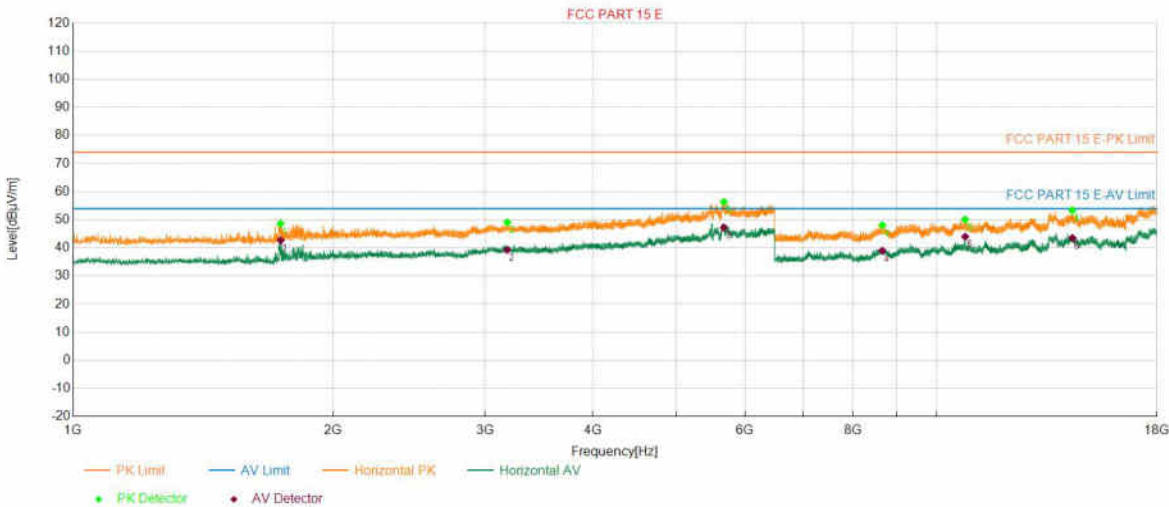
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1055.5556       | 43.48             | 74.00             | 30.52          | 34.58             | 54.00             | 19.42          | 150         | 98        | Vertical |
| 2                  | 1929.0429       | 49.62             | 74.00             | 24.38          | 41.65             | 54.00             | 12.35          | 150         | 149       | Vertical |
| 3                  | 2971.9472       | 48.11             | 74.00             | 25.89          | 39.35             | 54.00             | 14.65          | 150         | 198       | Vertical |
| 4                  | 5245.3245       | 53.46             | 74.00             | 20.54          | 44.11             | 54.00             | 9.89           | 150         | 186       | Vertical |
| 5                  | 10791.0791      | 51.23             | 74.00             | 22.77          | 39.91             | 54.00             | 14.09          | 150         | 204       | Vertical |
| 6                  | 13767.5768      | 52.36             | 74.00             | 21.64          | 42.90             | 54.00             | 11.10          | 150         | 144       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5500            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:46:37

Test Graph



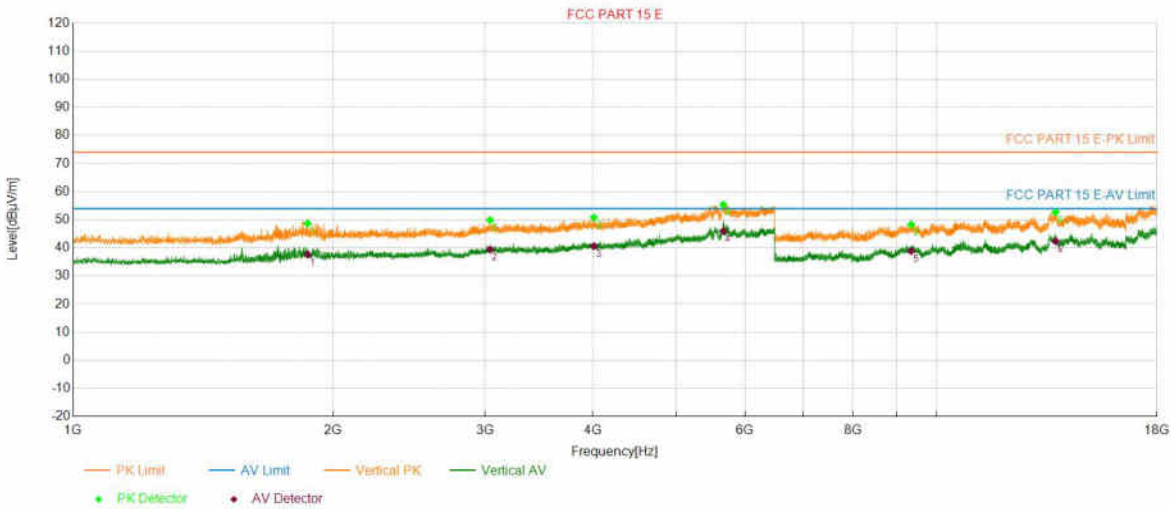
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1738.7239       | 48.61             | 74.00             | 25.39          | 42.66             | 54.00             | 11.34          | 150         | 149       | Horizontal |
| 2                  | 3182.0682       | 49.07             | 74.00             | 24.93          | 39.29             | 54.00             | 14.71          | 150         | 251       | Horizontal |
| 3                  | 5671.0671       | 56.40             | 74.00             | 17.60          | 47.24             | 54.00             | 6.76           | 150         | 347       | Horizontal |
| 4                  | 8650.7151       | 48.07             | 74.00             | 25.93          | 38.97             | 54.00             | 15.03          | 150         | 121       | Horizontal |
| 5                  | 10792.2292      | 50.09             | 74.00             | 23.91          | 43.98             | 54.00             | 10.02          | 150         | 203       | Horizontal |
| 6                  | 14362.1862      | 53.31             | 74.00             | 20.69          | 43.50             | 54.00             | 10.50          | 150         | 355       | Horizontal |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5500            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:47:59

Test Graph



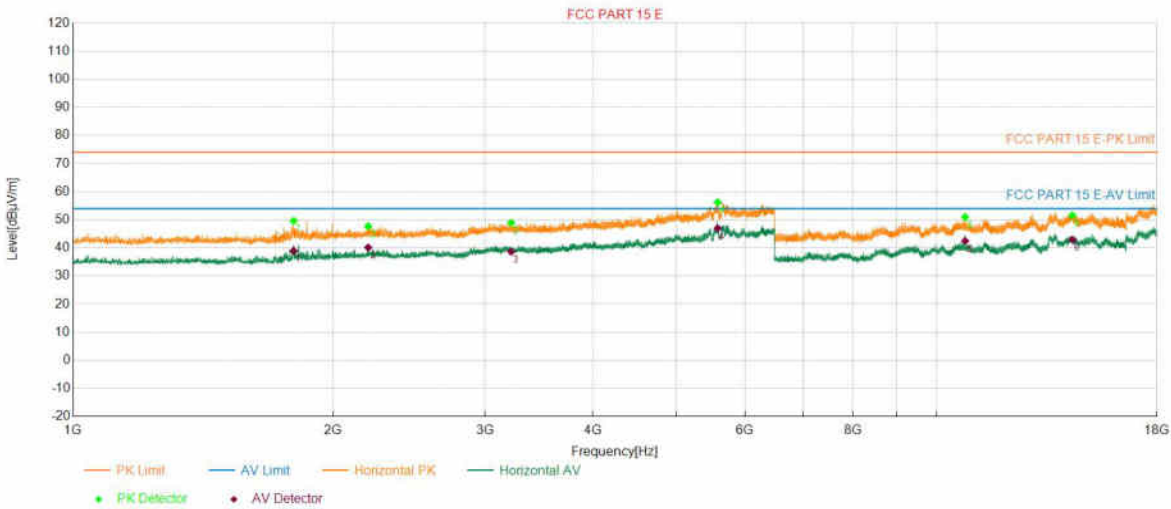
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1869.0869       | 48.67             | 74.00             | 25.33          | 37.60             | 54.00             | 16.40          | 150         | 186       | Vertical |
| 2                  | 3040.7041       | 49.89             | 74.00             | 24.11          | 39.40             | 54.00             | 14.60          | 150         | 308       | Vertical |
| 3                  | 4009.3509       | 50.80             | 74.00             | 23.20          | 40.62             | 54.00             | 13.38          | 150         | 69        | Vertical |
| 4                  | 5661.7162       | 55.38             | 74.00             | 18.62          | 46.00             | 54.00             | 8.00           | 150         | 233       | Vertical |
| 5                  | 9345.3845       | 48.26             | 74.00             | 25.74          | 38.91             | 54.00             | 15.09          | 150         | 34        | Vertical |
| 6                  | 13736.5237      | 52.70             | 74.00             | 21.30          | 42.36             | 54.00             | 11.64          | 150         | 332       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5580            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:51:08

Test Graph



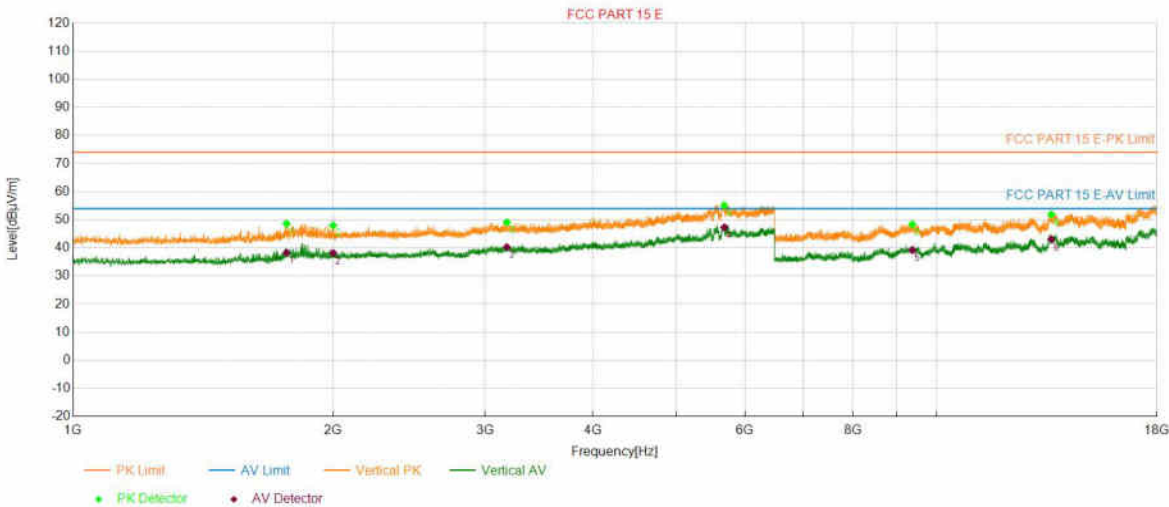
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1800.3300       | 49.61             | 74.00             | 24.39          | 38.93             | 54.00             | 15.07          | 150         | 138       | Horizontal |
| 2                  | 2196.3696       | 47.66             | 74.00             | 26.34          | 40.12             | 54.00             | 13.88          | 150         | 155       | Horizontal |
| 3                  | 3215.6216       | 48.91             | 74.00             | 25.09          | 38.62             | 54.00             | 15.38          | 150         | 20        | Horizontal |
| 4                  | 5578.6579       | 56.23             | 74.00             | 17.77          | 46.97             | 54.00             | 7.03           | 150         | 272       | Horizontal |
| 5                  | 10791.0791      | 50.94             | 74.00             | 23.06          | 42.45             | 54.00             | 11.55          | 150         | 360       | Horizontal |
| 6                  | 14363.3363      | 51.53             | 74.00             | 22.47          | 42.92             | 54.00             | 11.08          | 150         | 198       | Horizontal |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5580            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:52:30

Test Graph



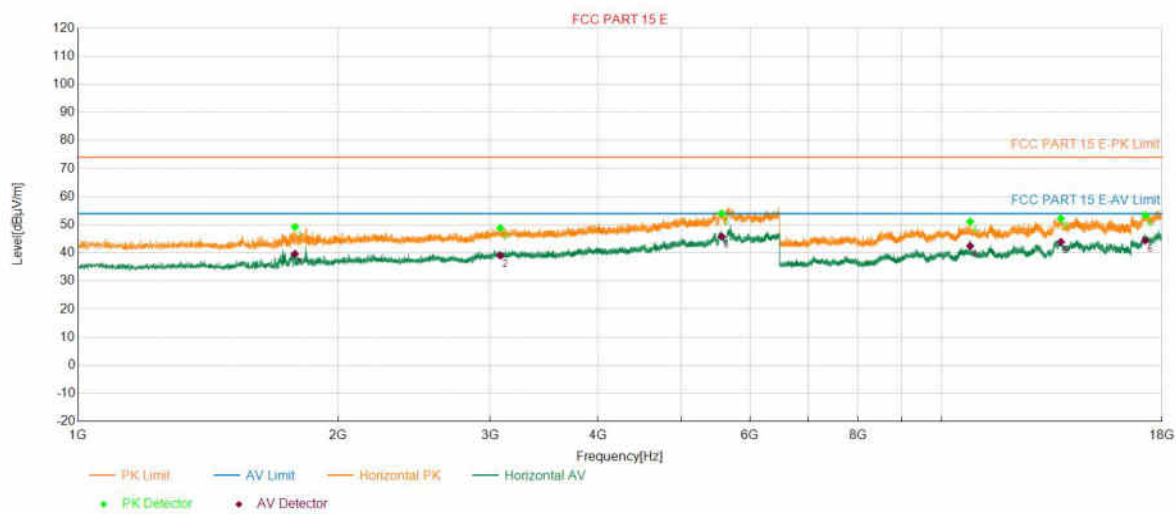
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1766.7767       | 48.58             | 74.00             | 25.42          | 38.26             | 54.00             | 15.74          | 150         | 2         | Vertical |
| 2                  | 2000.5501       | 47.98             | 74.00             | 26.02          | 38.16             | 54.00             | 15.84          | 150         | 208       | Vertical |
| 3                  | 3178.7679       | 49.11             | 74.00             | 24.89          | 40.28             | 54.00             | 13.72          | 150         | 156       | Vertical |
| 4                  | 5676.0176       | 55.09             | 74.00             | 18.91          | 47.28             | 54.00             | 6.72           | 150         | 266       | Vertical |
| 5                  | 9374.1374       | 48.31             | 74.00             | 25.69          | 39.19             | 54.00             | 14.81          | 150         | 309       | Vertical |
| 6                  | 13577.8078      | 51.87             | 74.00             | 22.13          | 43.06             | 54.00             | 10.94          | 150         | 144       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5700            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:56:48

Test Graph



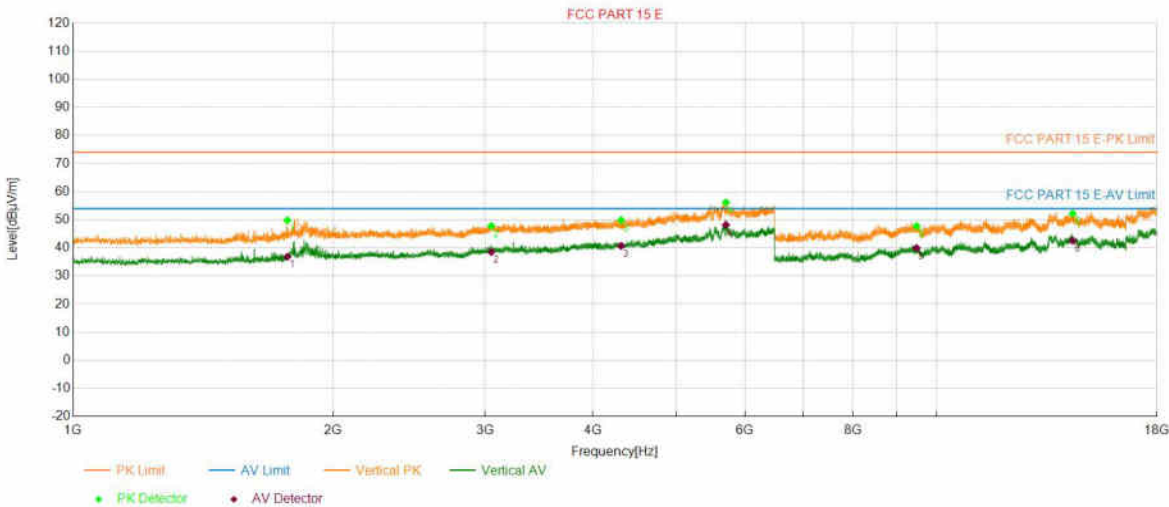
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1782.7283       | 49.26             | 74.00             | 24.74          | 39.64             | 54.00             | 14.36          | 150         | 146       | Horizontal |
| 2                  | 3082.5083       | 48.81             | 74.00             | 25.19          | 39.03             | 54.00             | 14.97          | 150         | 4         | Horizontal |
| 3                  | 5561.6062       | 54.03             | 74.00             | 19.97          | 45.84             | 54.00             | 8.16           | 150         | 28        | Horizontal |
| 4                  | 10791.0791      | 51.10             | 74.00             | 22.90          | 42.44             | 54.00             | 11.56          | 150         | 210       | Horizontal |
| 5                  | 13743.4243      | 52.17             | 74.00             | 21.83          | 43.89             | 54.00             | 10.11          | 150         | 210       | Horizontal |
| 6                  | 17212.1712      | 53.36             | 74.00             | 20.64          | 44.36             | 54.00             | 9.64           | 150         | 174       | Horizontal |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5700            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 16:58:10

Test Graph



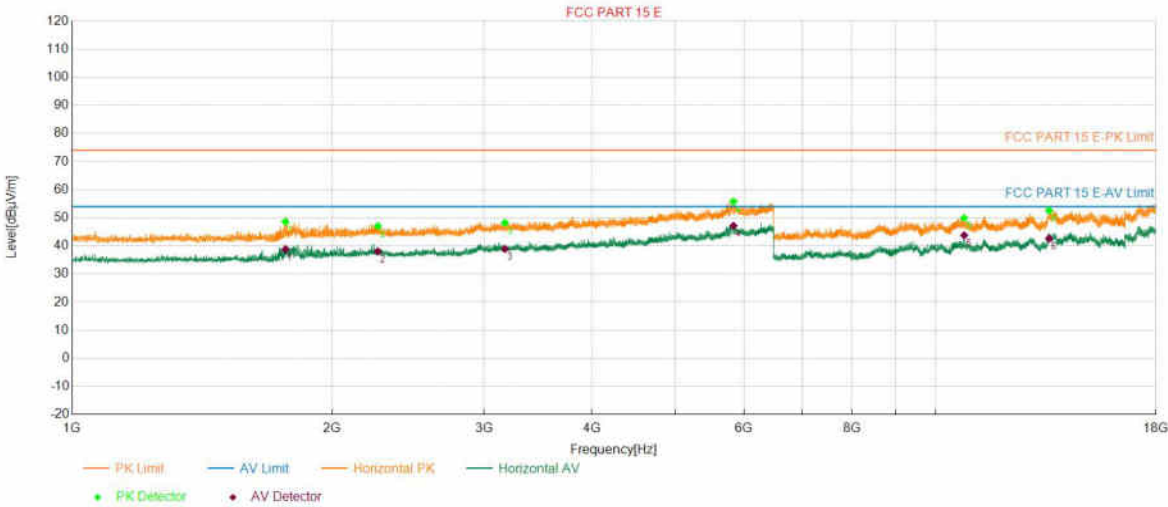
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1770.6271       | 49.82             | 74.00             | 24.18          | 36.83             | 54.00             | 17.17          | 150         | 163       | Vertical |
| 2                  | 3050.0550       | 47.80             | 74.00             | 26.20          | 38.53             | 54.00             | 15.47          | 150         | 252       | Vertical |
| 3                  | 4310.7811       | 49.86             | 74.00             | 24.14          | 40.69             | 54.00             | 13.31          | 150         | 4         | Vertical |
| 4                  | 5701.3201       | 56.16             | 74.00             | 17.84          | 48.16             | 54.00             | 5.84           | 150         | 183       | Vertical |
| 5                  | 9479.9480       | 47.73             | 74.00             | 26.27          | 39.93             | 54.00             | 14.07          | 150         | 340       | Vertical |
| 6                  | 14371.3871      | 52.18             | 74.00             | 21.82          | 42.55             | 54.00             | 11.45          | 150         | 353       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5745            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 17:07:02

Test Graph



| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1766.2266       | 48.59             | 74.00             | 25.41          | 38.79             | 54.00             | 15.21          | 150         | 138       | Horizontal |
| 2                  | 2259.6260       | 47.01             | 74.00             | 26.99          | 38.04             | 54.00             | 15.96          | 150         | 156       | Horizontal |
| 3                  | 3171.0671       | 48.17             | 74.00             | 25.83          | 38.86             | 54.00             | 15.14          | 150         | 114       | Horizontal |
| 4                  | 5832.2332       | 55.77             | 74.00             | 18.23          | 47.16             | 54.00             | 6.84           | 150         | 162       | Horizontal |
| 5                  | 10792.2292      | 49.91             | 74.00             | 24.09          | 43.76             | 54.00             | 10.24          | 150         | 360       | Horizontal |
| 6                  | 13532.9533      | 52.57             | 74.00             | 21.43          | 42.60             | 54.00             | 11.40          | 150         | 121       | Horizontal |

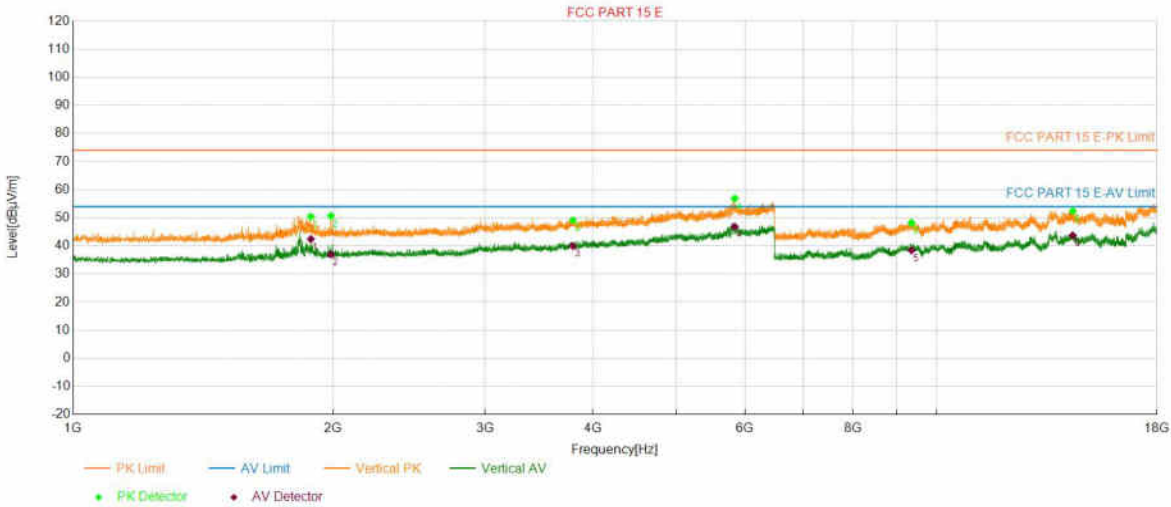


Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5745            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 17:08:24

Test Graph



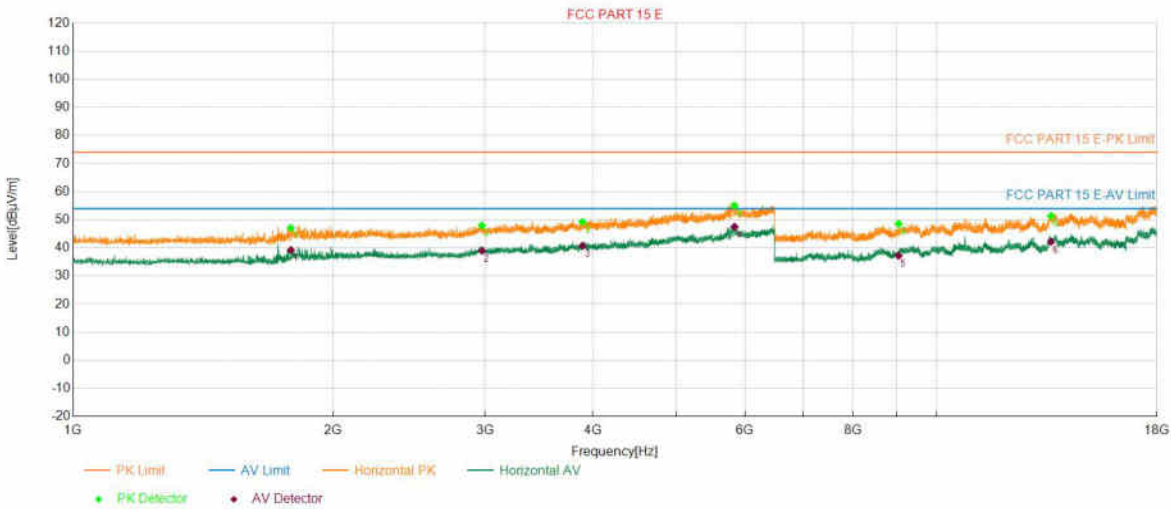
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1885.0385       | 50.40             | 74.00             | 23.60          | 42.42             | 54.00             | 11.58          | 150         | 342       | Vertical |
| 2                  | 1988.9989       | 50.66             | 74.00             | 23.34          | 36.93             | 54.00             | 17.07          | 150         | 165       | Vertical |
| 3                  | 3791.5292       | 49.12             | 74.00             | 24.88          | 39.95             | 54.00             | 14.05          | 150         | 301       | Vertical |
| 4                  | 5835.5336       | 56.84             | 74.00             | 17.16          | 46.83             | 54.00             | 7.17           | 150         | 252       | Vertical |
| 5                  | 9352.2852       | 48.21             | 74.00             | 25.79          | 38.41             | 54.00             | 15.59          | 150         | 360       | Vertical |
| 6                  | 14375.9876      | 52.40             | 74.00             | 21.60          | 43.71             | 54.00             | 10.29          | 150         | 297       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5785            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 17:12:43

Test Graph



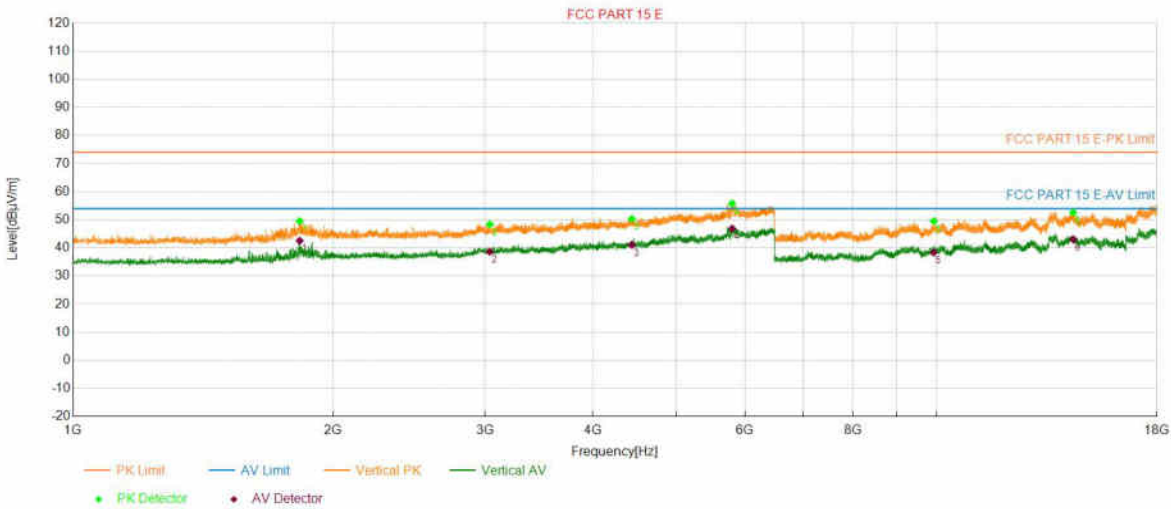
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1787.1287       | 47.08             | 74.00             | 26.92          | 39.24             | 54.00             | 14.76          | 150         | 143       | Horizontal |
| 2                  | 2974.6975       | 47.95             | 74.00             | 26.05          | 38.97             | 54.00             | 15.03          | 150         | 136       | Horizontal |
| 3                  | 3889.9890       | 49.23             | 74.00             | 24.77          | 40.74             | 54.00             | 13.26          | 150         | 27        | Horizontal |
| 4                  | 5833.3333       | 55.05             | 74.00             | 18.95          | 47.52             | 54.00             | 6.48           | 150         | 358       | Horizontal |
| 5                  | 9034.8535       | 48.53             | 74.00             | 25.47          | 37.21             | 54.00             | 16.79          | 150         | 219       | Horizontal |
| 6                  | 13567.4567      | 51.33             | 74.00             | 22.67          | 42.18             | 54.00             | 11.82          | 150         | 342       | Horizontal |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5785            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 17:14:05

Test Graph



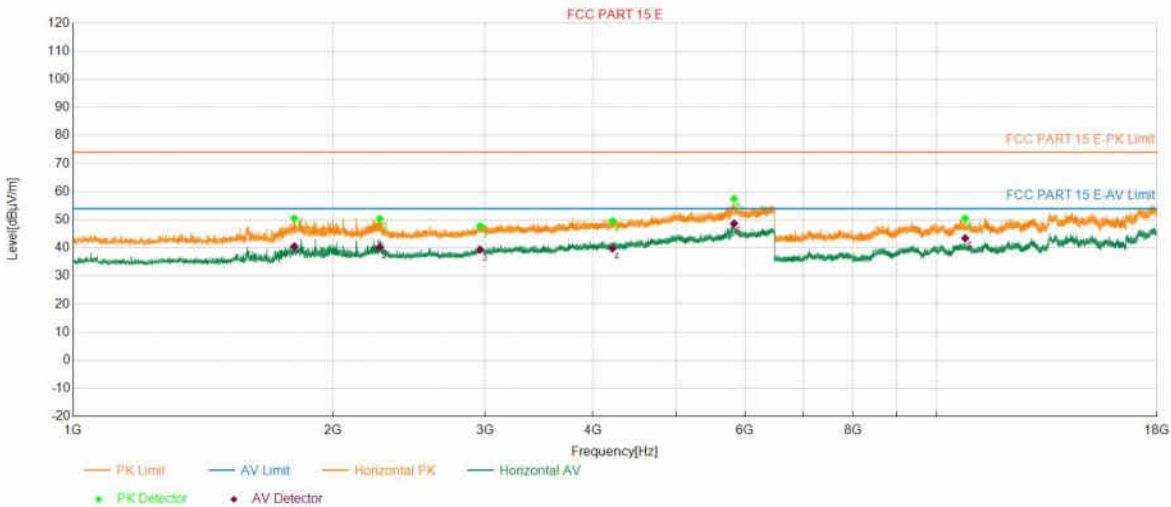
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1829.4829       | 49.53             | 74.00             | 24.47          | 42.53             | 54.00             | 11.47          | 150         | 126       | Vertical |
| 2                  | 3038.5039       | 48.38             | 74.00             | 25.62          | 38.62             | 54.00             | 15.38          | 150         | 31        | Vertical |
| 3                  | 4437.2937       | 50.31             | 74.00             | 23.69          | 41.07             | 54.00             | 12.93          | 150         | 24        | Vertical |
| 4                  | 5796.4796       | 55.80             | 74.00             | 18.20          | 46.82             | 54.00             | 7.18           | 150         | 120       | Vertical |
| 5                  | 9925.0425       | 49.51             | 74.00             | 24.49          | 38.35             | 54.00             | 15.65          | 150         | 193       | Vertical |
| 6                  | 14394.3894      | 52.59             | 74.00             | 21.41          | 43.03             | 54.00             | 10.97          | 150         | 159       | Vertical |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5825            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 17:17:16

Test Graph



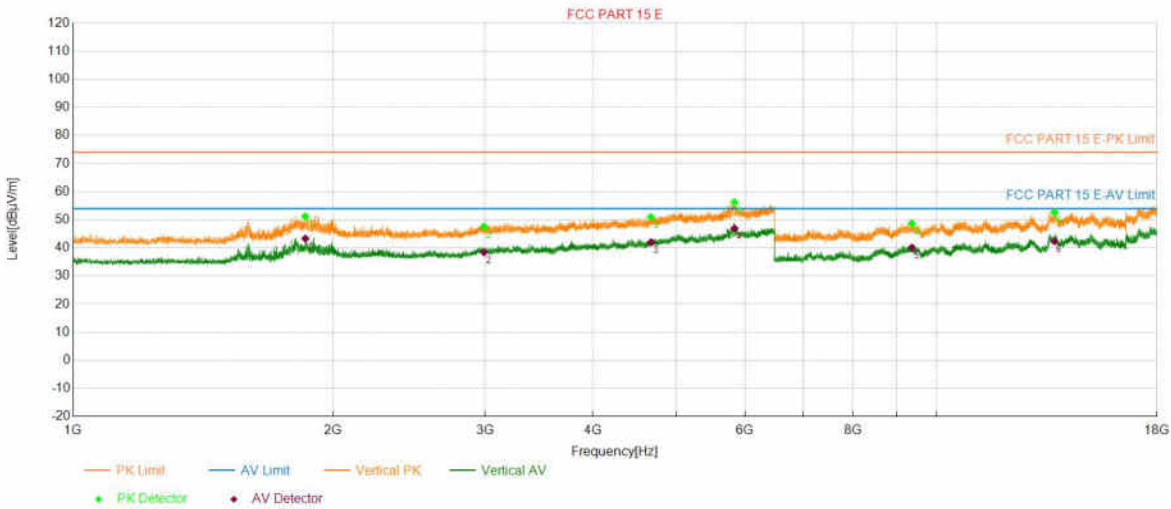
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |            |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|------------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                  | 1803.6304       | 50.50             | 74.00             | 23.50          | 40.57             | 54.00             | 13.43          | 150         | 142       | Horizontal |
| 2                  | 2265.1265       | 50.32             | 74.00             | 23.68          | 40.17             | 54.00             | 13.83          | 150         | 156       | Horizontal |
| 3                  | 2960.3960       | 47.76             | 74.00             | 26.24          | 39.32             | 54.00             | 14.68          | 150         | 156       | Horizontal |
| 4                  | 4212.8713       | 49.55             | 74.00             | 24.45          | 39.73             | 54.00             | 14.27          | 150         | 336       | Horizontal |
| 5                  | 5826.7327       | 57.41             | 74.00             | 16.59          | 48.67             | 54.00             | 5.33           | 150         | 268       | Horizontal |
| 6                  | 10792.2292      | 50.53             | 74.00             | 23.47          | 43.41             | 54.00             | 10.59          | 150         | 167       | Horizontal |

Test Report

| Project Information          |                     |           |          |
|------------------------------|---------------------|-----------|----------|
| Customer:                    |                     |           |          |
| EUT:                         | PC27IGPCModule      |           |          |
| Model:                       | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                        | 11A_5825            | Voltage:  | DC 19V   |
| Environment:                 | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                      | Power set: 12       |           |          |
| Test Standard: FCC PART 15 E |                     |           |          |

Start of Test:2024-07-19 17:18:39

Test Graph



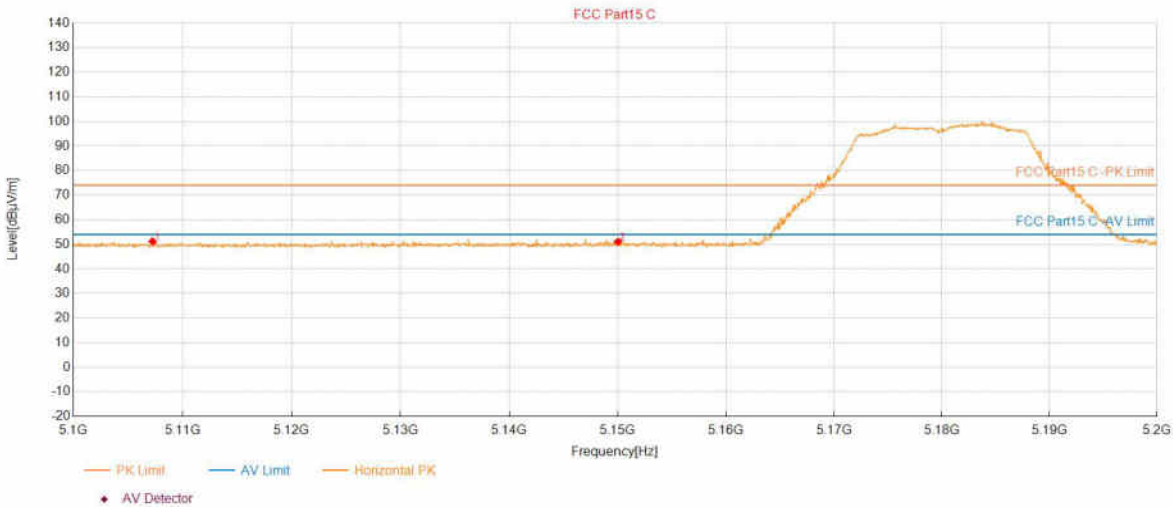
| PK Final Data List |                 |                   |                   |                |                   |                   |                |             |           |          |
|--------------------|-----------------|-------------------|-------------------|----------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | PK Value (dBµV/m) | PK Limit (dBµV/m) | PK Margin (dB) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 1857.5358       | 51.20             | 74.00             | 22.80          | 43.31             | 54.00             | 10.69          | 150         | 121       | Vertical |
| 2                  | 2991.1991       | 47.56             | 74.00             | 26.44          | 38.37             | 54.00             | 15.63          | 150         | 0         | Vertical |
| 3                  | 4668.8669       | 50.96             | 74.00             | 23.04          | 41.96             | 54.00             | 12.04          | 150         | 288       | Vertical |
| 4                  | 5832.7833       | 56.24             | 74.00             | 17.76          | 46.93             | 54.00             | 7.07           | 150         | 264       | Vertical |
| 5                  | 9361.4861       | 48.66             | 74.00             | 25.34          | 40.06             | 54.00             | 13.94          | 150         | 276       | Vertical |
| 6                  | 13692.8193      | 52.65             | 74.00             | 21.35          | 42.33             | 54.00             | 11.67          | 150         | 109       | Vertical |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11A_5180            | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 15       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:12:07

Test Graph



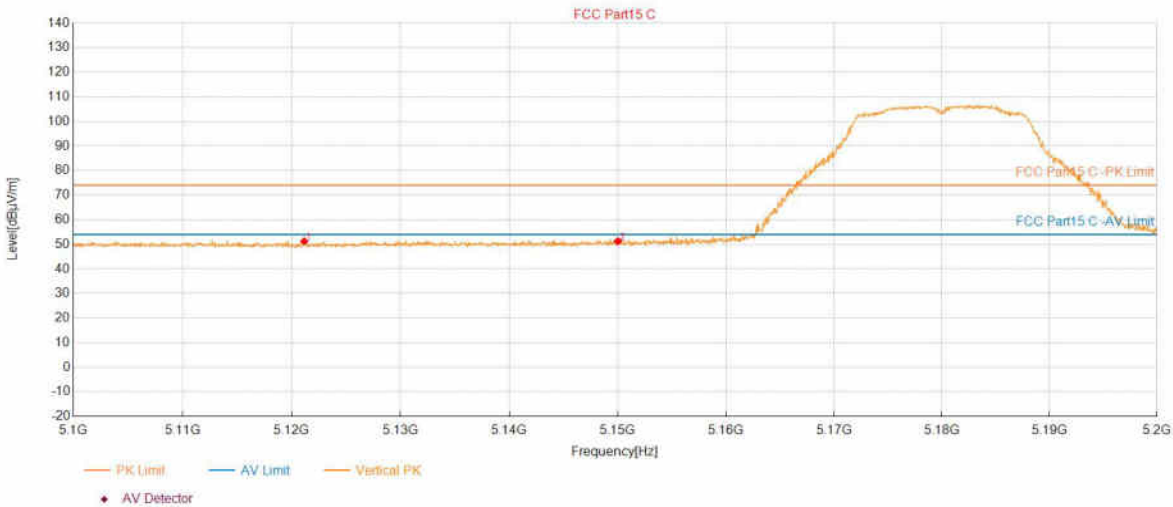
| Suspected Data List |                 |                |                |             |             |           |            |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                   | 5107.25         | 51.24          | 74.00          | 22.76       | 150         | 359       | Horizontal |
| 2                   | 5150.03         | 51.09          | 74.00          | 22.91       | 150         | 8         | Horizontal |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11A_5180            | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 15       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:13:04

Test Graph



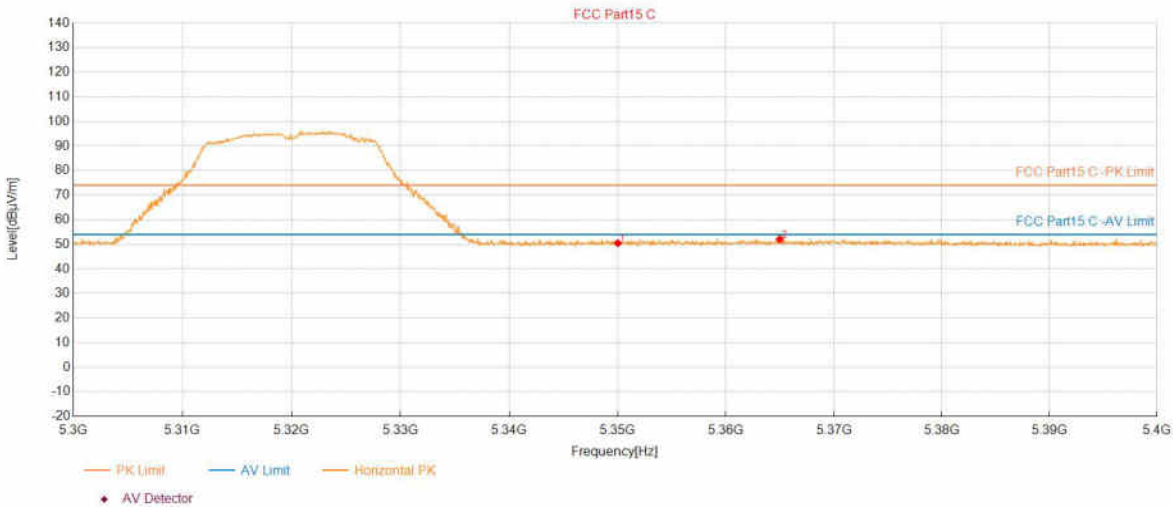
| Suspected Data List |                 |                |                |             |             |           |          |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                   | 5121.16         | 51.25          | 74.00          | 22.75       | 150         | 352       | Vertical |
| 2                   | 5150.03         | 51.22          | 74.00          | 22.78       | 150         | 245       | Vertical |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11A_5320            | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 13       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:32:12

Test Graph



| Suspected Data List |                 |                |                |             |             |           |            |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                   | 5350.03         | 50.45          | 74.00          | 23.55       | 150         | 358       | Horizontal |
| 2                   | 5364.98         | 52.10          | 74.00          | 21.90       | 150         | 87        | Horizontal |

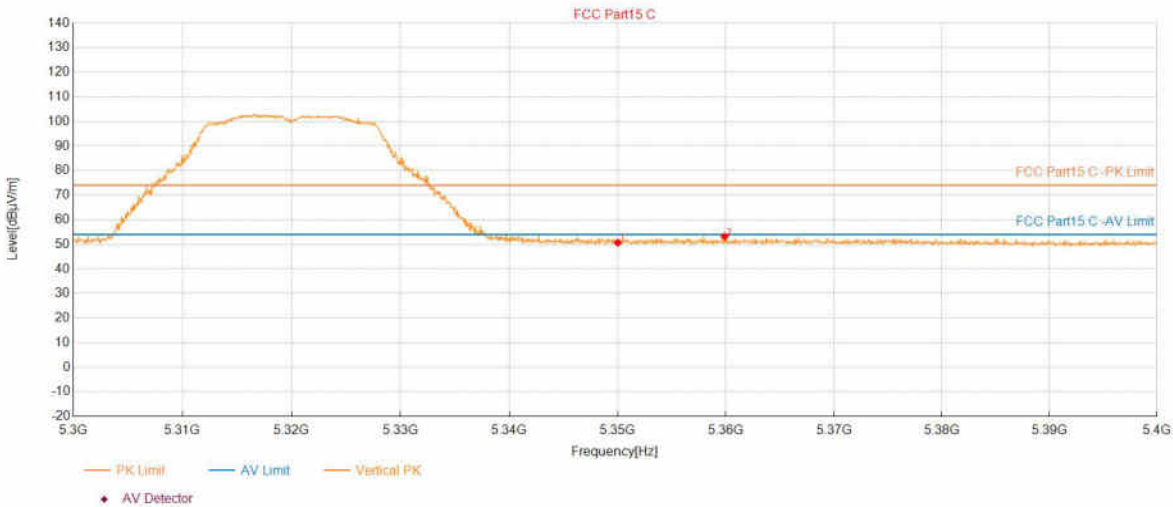


Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11A_5320            | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 13       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:32:57

Test Graph



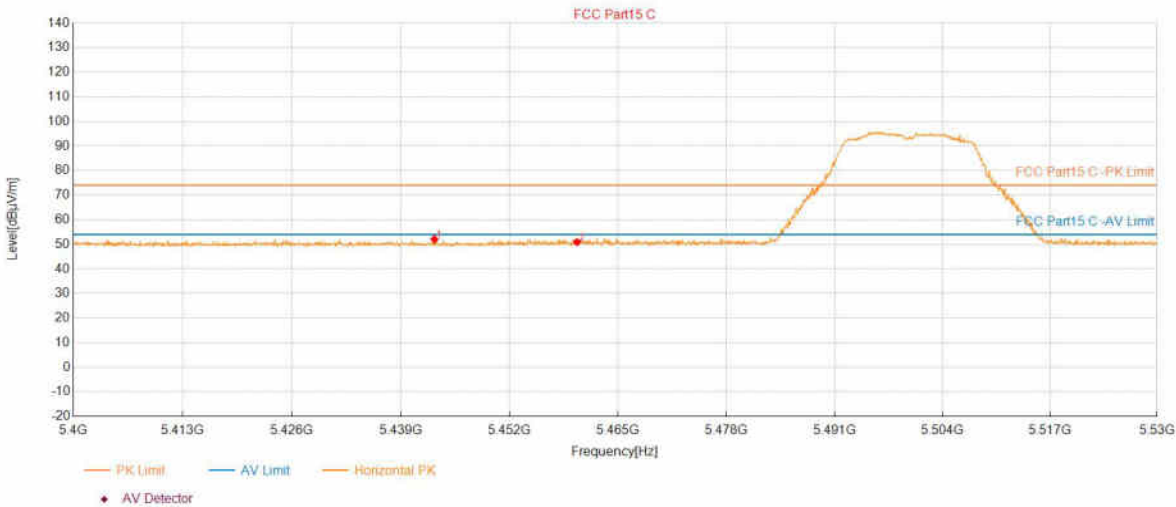
| Suspected Data List |                 |                |                |             |             |           |          |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                   | 5350.03         | 50.69          | 74.00          | 23.31       | 150         | 296       | Vertical |
| 2                   | 5359.88         | 53.18          | 74.00          | 20.82       | 150         | 296       | Vertical |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11A_5500            | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 12       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:35:37

Test Graph



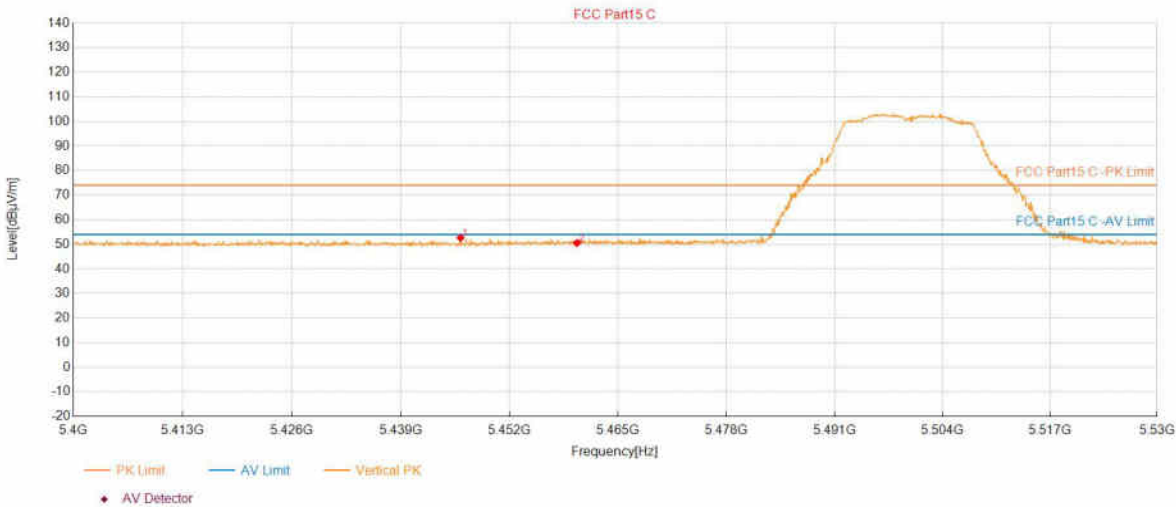
| Suspected Data List |                 |                |                |             |             |           |            |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                   | 5442.99         | 52.11          | 74.00          | 21.89       | 150         | 267       | Horizontal |
| 2                   | 5460.03         | 50.91          | 74.00          | 23.09       | 150         | 3         | Horizontal |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11A_5500            | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 12       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:36:23

Test Graph



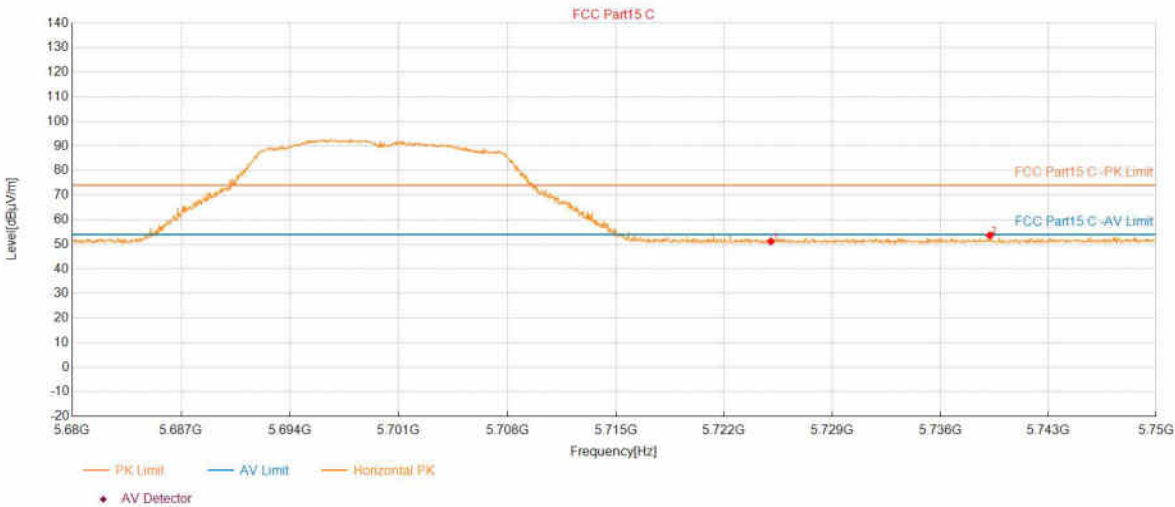
| Suspected Data List |                 |                |                |             |             |           |          |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                   | 5446.11         | 52.61          | 74.00          | 21.39       | 150         | 219       | Vertical |
| 2                   | 5460.03         | 50.50          | 74.00          | 23.50       | 150         | 43        | Vertical |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11A_5700            | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 12       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:39:52

Test Graph



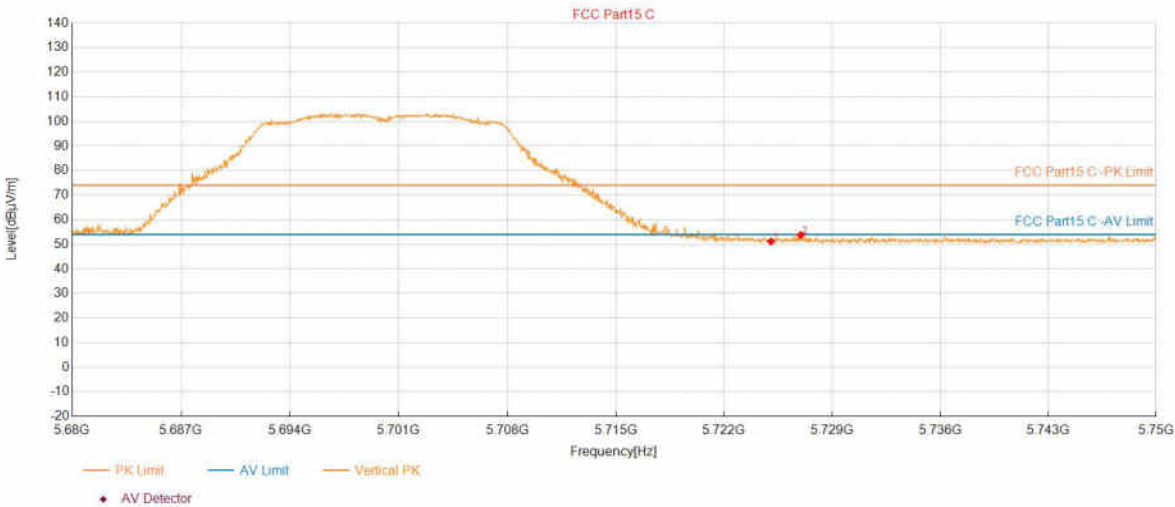
| Suspected Data List |                 |                |                |             |             |           |            |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                   | 5725.03         | 51.17          | 74.00          | 22.83       | 150         | 356       | Horizontal |
| 2                   | 5739.21         | 53.61          | 74.00          | 20.39       | 150         | 191       | Horizontal |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11A_5700            | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 12       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:40:37

Test Graph



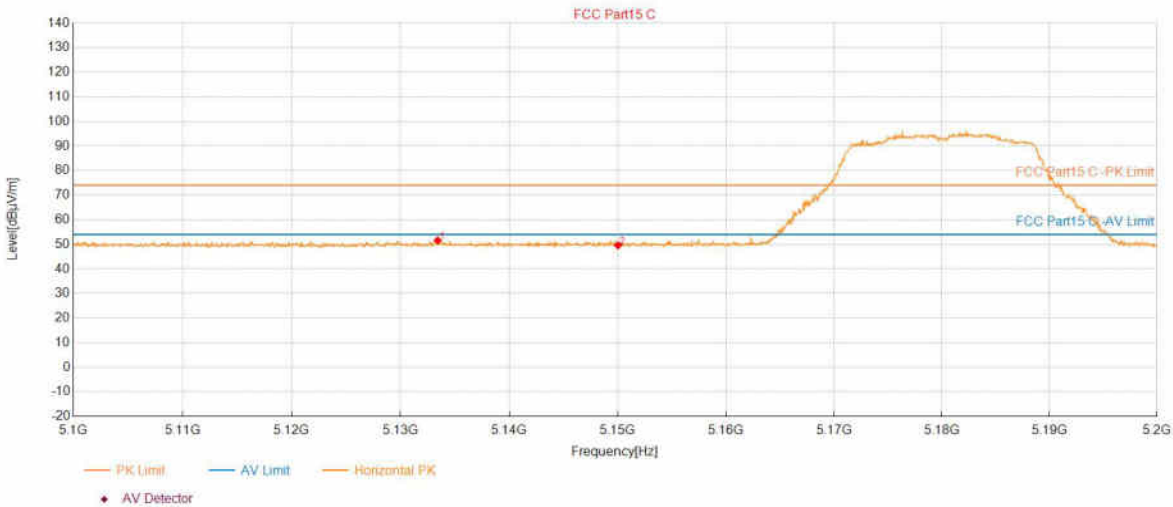
| Suspected Data List |                 |                |                |             |             |           |          |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                   | 5725.03         | 51.16          | 74.00          | 22.84       | 150         | 303       | Vertical |
| 2                   | 5726.96         | 53.74          | 74.00          | 20.26       | 150         | 78        | Vertical |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11N20_5180          | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 10       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:48:08

Test Graph



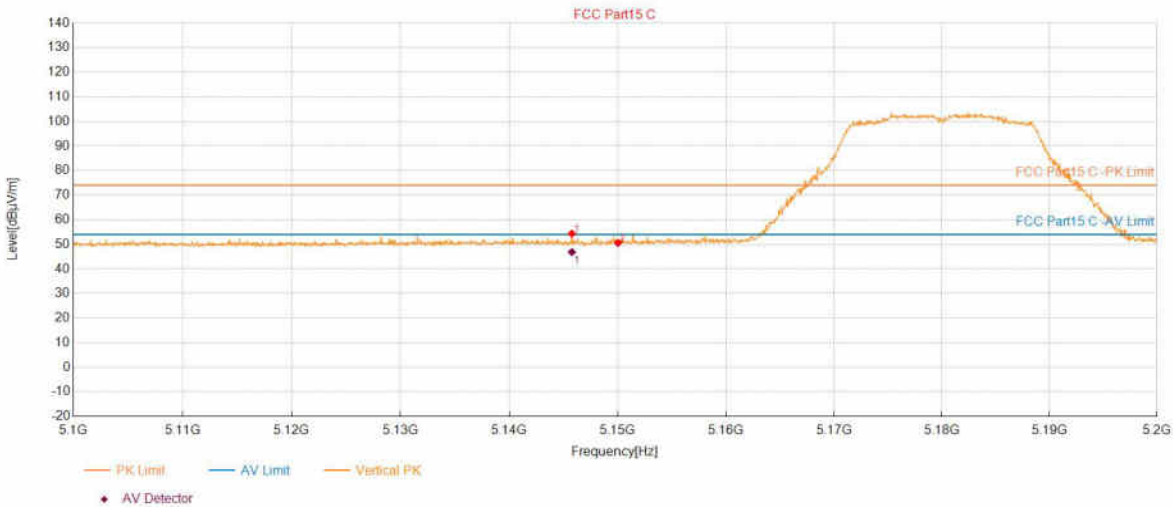
| Suspected Data List |                 |                |                |             |             |           |            |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                   | 5133.42         | 51.59          | 74.00          | 22.41       | 150         | 345       | Horizontal |
| 2                   | 5150.03         | 49.56          | 74.00          | 24.44       | 150         | 3         | Horizontal |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11N20_5180          | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 10       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 10:48:53

Test Graph



| Suspected Data List |                 |                |                |             |             |           |          |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|----------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                   | 5145.77         | 54.35          | 74.00          | 19.65       | 150         | 61        | Vertical |
| 2                   | 5150.03         | 50.55          | 74.00          | 23.45       | 150         | 263       | Vertical |

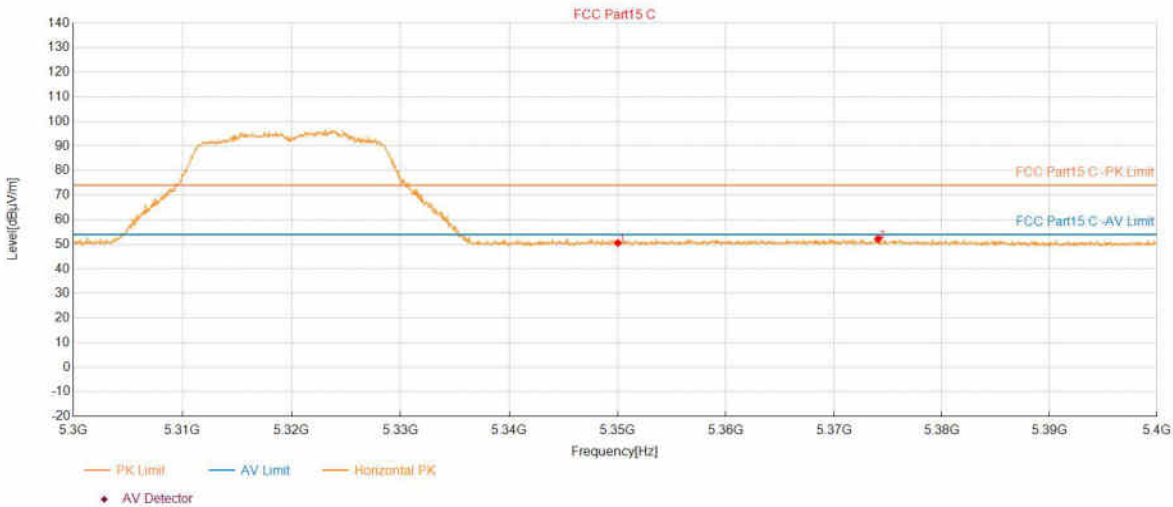
| PK Final Data List |                 |               |                   |                   |                |             |           |          |
|--------------------|-----------------|---------------|-------------------|-------------------|----------------|-------------|-----------|----------|
| NO.                | Frequency (MHz) | Factor (dB/m) | AV Value (dBµV/m) | AV Limit (dBµV/m) | AV Margin (dB) | Height (cm) | Angle (°) | Polarity |
| 1                  | 5145.7756       | 14.85         | 46.84             | 54.00             | 7.16           | 124.8       | 294       | Vertical |

Test Report

| Project Information         |                     |           |          |
|-----------------------------|---------------------|-----------|----------|
| Customer:                   |                     |           |          |
| EUT:                        | PC27IG PC Module    |           |          |
| Model:                      | CTI-PCOPS-PC27-IG   | SN:       |          |
| Mode:                       | 11N20_5320          | Voltage:  | DC 19V   |
| Environment:                | Temp: 25℃; Humi:60% | Engineer: | Soho Liu |
| Remark:                     | Power Set: 10       |           |          |
| Test Standard: FCC Part15 C |                     |           |          |

Start of Test:2024-07-20 11:03:10

Test Graph



| Suspected Data List |                 |                |                |             |             |           |            |
|---------------------|-----------------|----------------|----------------|-------------|-------------|-----------|------------|
| NO.                 | Frequency (MHz) | Level (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Angle (°) | Polarity   |
| 1                   | 5350.03         | 50.56          | 74.00          | 23.44       | 150         | 185       | Horizontal |
| 2                   | 5374.09         | 52.17          | 74.00          | 21.83       | 150         | 250       | Horizontal |