



Test Report No.:
FCC2022-0033-2/R2

TEST REPORT

FCC ID : 2AR82-SKIWB921AU1
Applicant : Guangzhou Shikun Electronics Co., Ltd
Product Name : Module
Mode No. : SKI.WB921AU.1

CVC Testing Technology Co., Ltd.

| Applicant | Name: Guangzhou Shikun Electronics Co., Ltd Address: NO.6 Liankun Road,Huangpu District,Guangzhou,China | | | | |
|--|--|---|-----------------------|--|--|
| Manufacturer | Name: Guangzhou Shikun Electronics Co., Ltd Address: NO.6 Liankun Road,Huangpu District,Guangzhou,China | | | | |
| Equipment Under Test | Product Name : Module Model No. : SKI.WB921AU.1 Trade mark : / Serial no. : B4ADA3CE77D8 Sampling : — | | | | |
| Date of Receipt. | 2022.06.02 | Date of Testing | 2022.06.02~2022.08.26 | | |
| Test Specification | | Test Result | | | |
| FCC CFR47 Part 15C (2020) Radio Frequency Devices ANSI C63.10 (2013) KDB 558074 D01 DTS Meas Guidance v05 KDB 66911 D01 Multiple Transmitter Output v02r01 | | PASS | | | |
| Evaluation of Test Result | The equipment under test was found to comply with the requirements of the standards applied. | | | | |
| | Seal of CVC Issue Date: 2022.08.26 | | | | |
| Tested by: Xu Zhenfei  | Reviewed by: Liu YongHai  | Approved by: Chen HuaWen  | | | |
| Other Aspects: NONE. | | | | | |
| Abbreviations:OK, | Pass= passed | Fail = failed | N/A= not applicable | | |
| EUT= equipment, sample(s) under tested | | | | | |
| This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC . After this report is released, it will replace the report numbered FCC2022-0033-2/R1. | | | | | |

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1. General Product Information

1.1 General information

| | | |
|----------------------|--|---|
| Product Name | Module | |
| Model No. | SKI.WB921AU.1 | |
| Power Supply | DC 3.3V | |
| Serial Number(SN) | B4ADA3CE77D8 | |
| Power Supply | Adapter | / |
| | Battery | / |
| Antenna Type | External Antenna | |
| Antenna Connector | A permanently attached antenna (meet with the standard FCC Part 15.203 requirement) | |
| Antenna Gain | 3.5 dBi (provided by client) | |
| Beamforming gain | 0 dBi (provided by client) | |
| Frequency Range | Bluetooth(Low Energy): 2402~2480MHz IEEE 802.11b/g/n/ax(20MHz): 2412~2462MHz IEEE 802.11n/ax(40MHz): 2422~2452MHz | |
| Channel Number | Bluetooth(Low Energy):40 Channels IEEE 802.11b/g/n/ax(20MHz): 11 Channels IEEE 802.11n/ax(40MHz): 7 Channels | |
| Type of Modulation | Bluetooth(Low Energy):GFSK IEEE 802.11b: DSSS (CCK,DQPSK,DBPSK); IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK); IEEE 802.11n(HT20 and HT40) : OFDM (1024QAM,256QAM,64QAM, 16QAM,QPSK,BPSK); IEEE 802.11ax(HE20 and HE40) : OFDM (1024QAM,256QAM,64QAM, 16QAM,QPSK,BPSK). | |
| Max. Conducted Power | Bluetooth(Low Energy):15.92 dBm WIFI 2.4GHz: 17.10 dBm | |
| Operate Temp.Range | -40°C to +125°C | |

Note:

1. The information of the EUT is declared by the manufacturer.
2. The laboratory is not responsible for the product technical specification provided by the client.
3. Note: This module (the module number is SKI.WB921AU.1) has passed the certification. The module plans to add four models of antennas, as shown in the table below. In the report, only the radiated emission is tested, and the antenna used is A100-0062. Other test items and test data will refer to the report of the module (FCC ID:2AR82-SKIWB921AU1)

| | | | | |
|----------|----------------|----------------|---------------------|-----------|
| Antennas | AG-011320-0679 | 3D0504BK07-001 | SLK-KG-B3DBS-SMA(P) | A100-0062 |
| Gain | 3.0dBi | 3.5dBi | 3.5dBi | 3.5dBi |

2. Test Sites

2.1 Test Facilities

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology Co., Ltd.

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Telephone : +86-20-32293888

Fax : +86-20-32293889

FCC(Test firm designation number: CN1282)

IC(Test firm CAB identifier number: CN0103)

2.2 Description of Non-standard Method and Deviations

The testing and measurement methods used in this report are applied by all standard methods. Not any non-standard method or deviation from the used standards was used.

2.3 List of Test and Measurement Instruments

Refer to Appendix E.

3. Test Configuration

3.1 Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

| Test Mode | Antenna Delivery | Test Channel |
|------------------------------------|------------------|--------------|
| Bluetooth(Low Energy) | 2TX / 2RX | 0,19,39 |
| IEEE 802.11b TX mode | 2TX / 2RX | 1,6,11 |
| IEEE 802.11g TX mode | 2TX / 2RX | 1,6,11 |
| IEEE 802.11n 2.4GHz 20MHz TX mode | 2TX / 2RX | 1,6,11 |
| IEEE 802.11n 2.4GHz 40MHz TX mode | 2TX / 2RX | 3,6,9 |
| IEEE 802.11ax 2.4GHz 20MHz TX mode | 2TX / 2RX | 3,6,9 |
| IEEE 802.11ax 2.4GHz 40MHz TX mode | 2TX / 2RX | 3,6,9 |

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (X axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

| Test Mode | Data Rate | | |
|------------------------------------|-----------|-----------|-------|
| | Antenna 1 | Antenna 2 | MIMO |
| Bluetooth(Low Energy) | 1 | 1 | / |
| IEEE 802.11b TX mode | 1 | 1 | / |
| IEEE 802.11g TX mode | 6 | 6 | / |
| IEEE 802.11n 2.4GHz 20MHz TX mode | MCS 0 | MCS 0 | MCS 8 |
| IEEE 802.11n 2.4GHz 40MHz TX mode | MCS 0 | MCS 0 | MCS 8 |
| IEEE 802.11ax 2.4GHz 20MHz TX mode | MCS 0 | MCS 0 | MCS 8 |
| IEEE 802.11ax 2.4GHz 40MHz TX mode | MCS 0 | MCS 0 | MCS 8 |

4. Summary of measurement results

| Summary of measurements of results | Clause in FCC rules | Verdict | Note |
|------------------------------------|-------------------------|---------|------|
| Radiated Emissions | 15.247(d),15.205,15.209 | PASS | / |
| Maximum conducted output power | 15.247(b)(3) | PASS | / |

5. Measurement procedure

5.1 Radiated Emission

Ambient condition:

| Temperature | Relative humidity | Pressure |
|-------------|-------------------|----------|
| 23°C ~25°C | 45%~50% | 101.5kPa |

Method of Measurement:

The EUT was setup and tested according to ANSI C63.10, 2013.

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from Antenna to the EUT was 3 meters.

The Antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the Antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.

The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

The frequency range from 30MHz to 10th harmonic is checked.

Note: When doing emission measurement above 1GHz, the horn Antenna will be bended down a little (as horn

Antenna has the narrow beamwidth) in order to keeping the Antenna in the “cone of radiation” of EUT. The 3dB beamwidth is 10~60 degrees for H-plane and 10~90 degrees for E-plane.

Limits:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

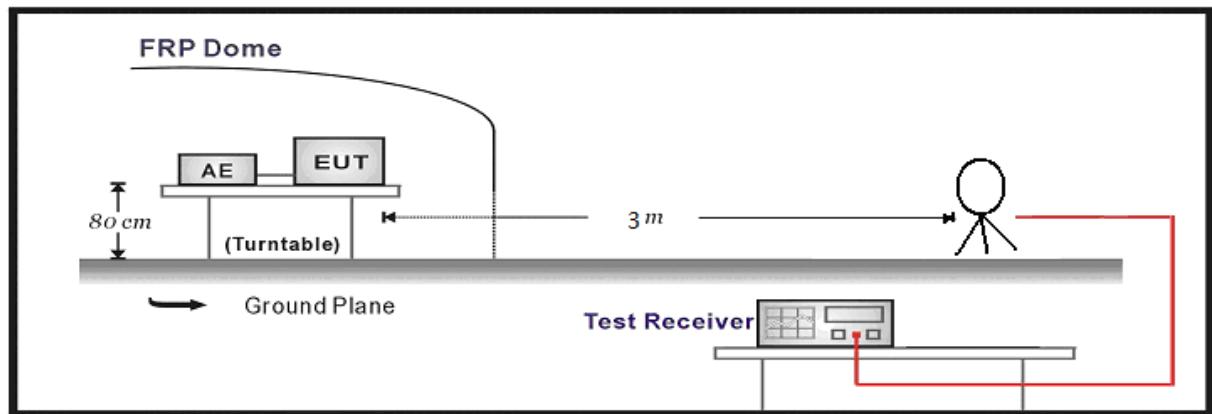
| Frequency | Limit (dB μ V/m @3m) | Remark |
|---------------|--------------------------|------------------|
| 30MHz-88MHz | 40.0 | Quasi-peak Level |
| 88MHz-216MHz | 43.5 | Quasi-peak Level |
| 216MHz-960MHz | 46.0 | Quasi-peak Level |
| 960MHz-1GHz | 54.0 | Quasi-peak Level |
| Above 1GHz | 54.0 | Average Level |
| | 74.0 | Peak Level |

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

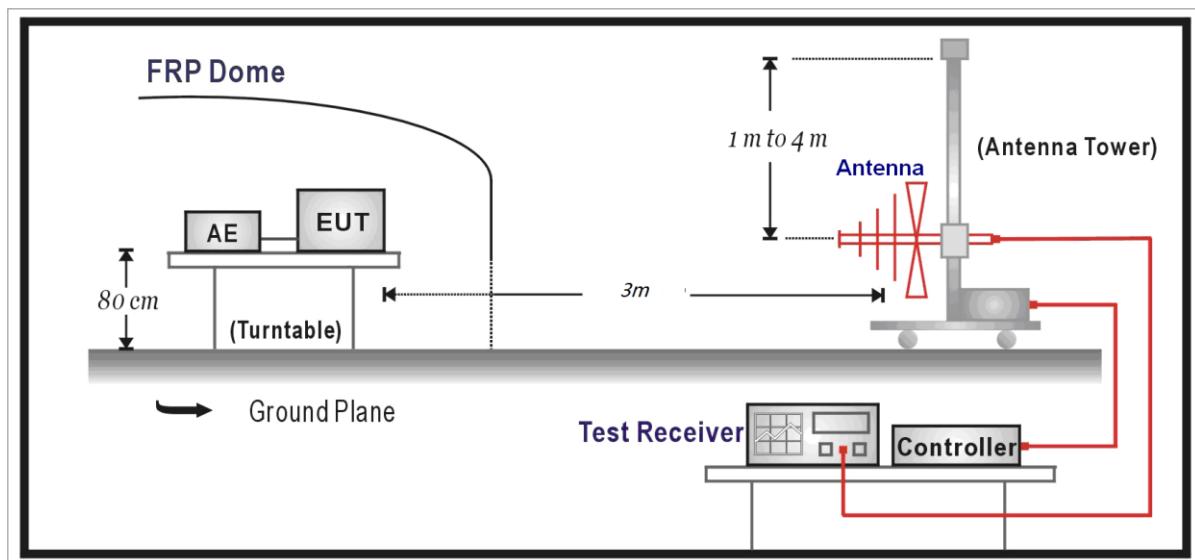
| MHz | MHz | MHz | GHz |
|-------------------|---------------------|---------------|-------------|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| 0.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 |
| 6.31175-6.31225 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36. |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | / |
| 13.36-13.41 | / | / | / |

Test Setup:

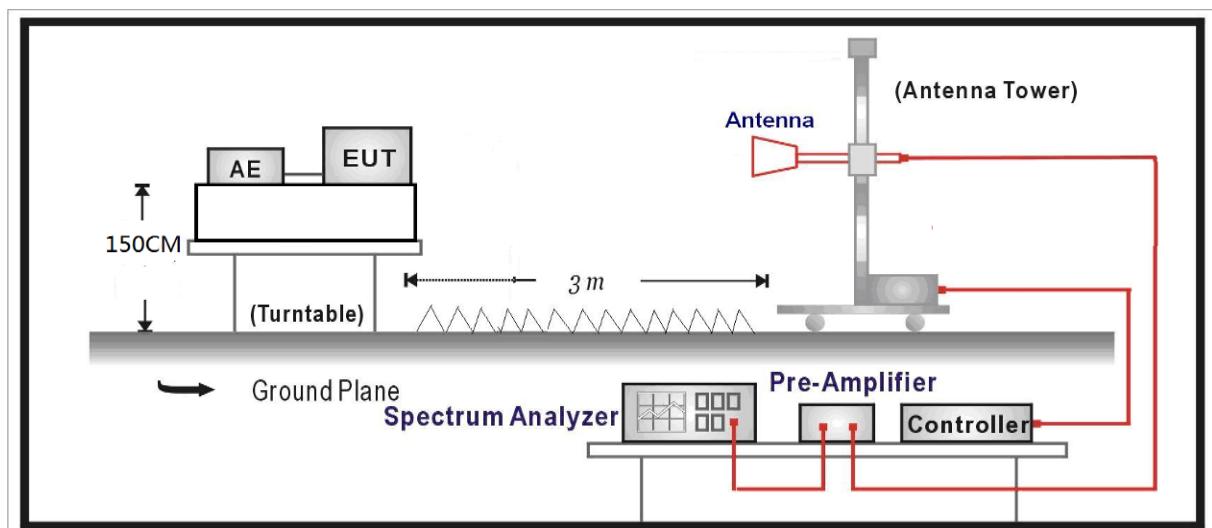
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



Measurement Data:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Level =Reading - Factor

Factor = Preamplifier Factor – Antenna Factor–Cable Loss

Measurement Uncertainty:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

| Frequency | Uncertainty |
|--------------|-------------|
| 9KHz-30MHz | 3.55 dB |
| 30MHz-200MHz | 4.19 dB |
| 200MHz-1GHz | 3.63 dB |
| Above 1GHz | 3.68 dB |

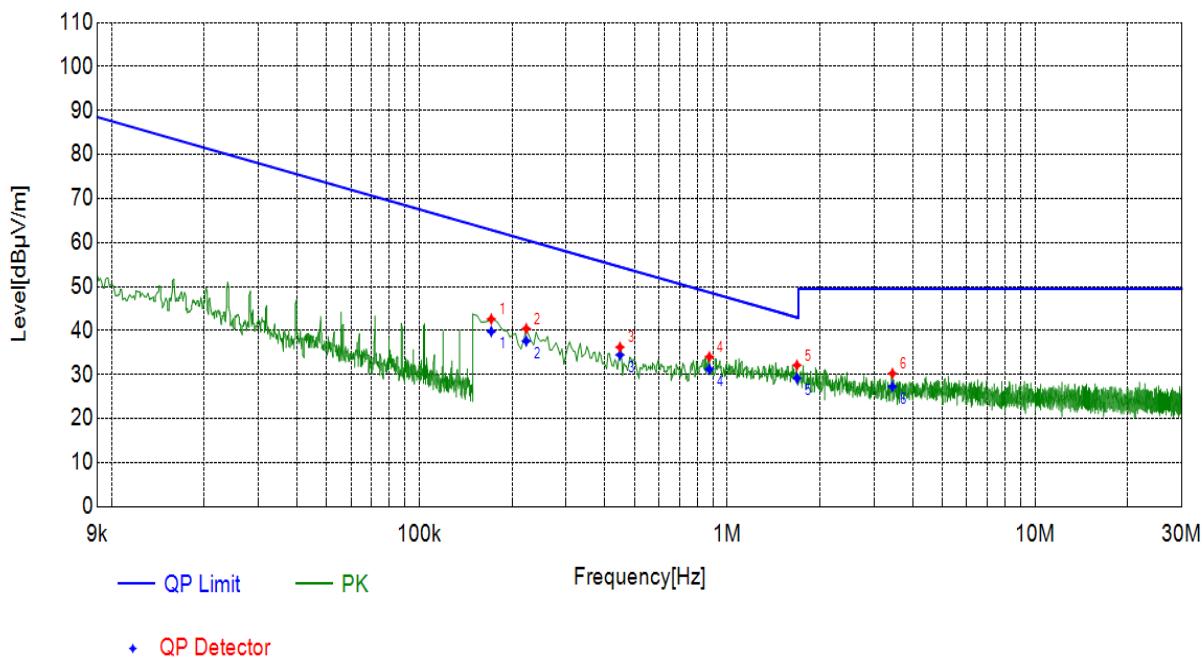
Test Results:

SPURIOUS EMISSIONS:

During the test, the Radiates Emission from 9KHz to 30MHz was performed in all modes with all channels and all antenna. 802.11ax20, Channel 1,MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

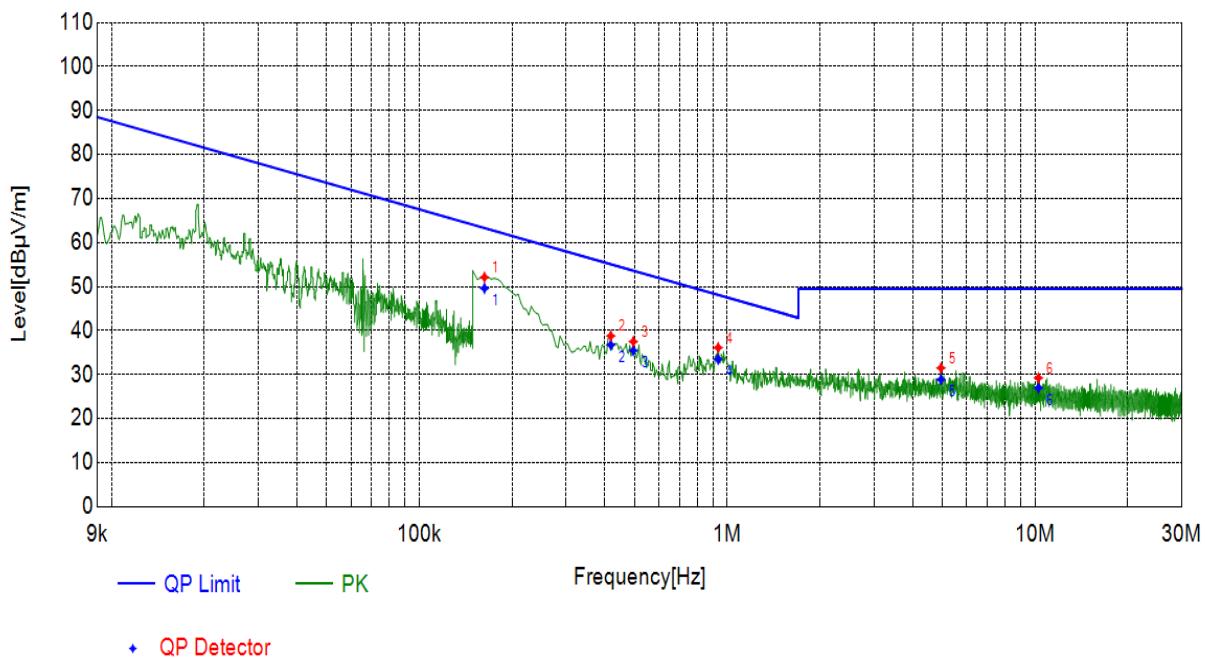
| | |
|-------------------|------------|
| Radiated Emission | 9KHz-30MHz |
| Polarity | X axis |
| Test channel | Worst-Case |

| Final Data List | | | | | | | | |
|-----------------|----------|-------------|-------------------------|-------------------------|----------------|-------------|-----------|-----------|
| Frequency [MHz] | Polarity | Factor [dB] | QP Value [dB μ V/m] | QP Limit [dB μ V/m] | QP Margin [dB] | Height [cm] | Angle [°] | Pass/Fail |
| 0.1713 | X axis | 20.40 | 39.78 | 62.85 | 23.07 | 100 | 150 | PASS |
| 0.2225 | X axis | 20.37 | 37.61 | 60.57 | 22.96 | 100 | 90 | PASS |
| 0.4485 | X axis | 20.41 | 34.47 | 54.47 | 20.00 | 100 | 250 | PASS |
| 0.8750 | X axis | 20.59 | 31.21 | 48.68 | 17.47 | 100 | 320 | PASS |
| 1.6854 | X axis | 20.73 | 29.14 | 43.00 | 13.86 | 100 | 40 | PASS |
| 3.4425 | X axis | 20.99 | 27.26 | 49.50 | 22.24 | 100 | 0 | PASS |



| | |
|-------------------|------------|
| Radiated Emission | 9KHz-30MHz |
| Polarity | Y axis |
| Test channel | Worst-Case |

| Final Data List | | | | | | | | |
|-----------------|----------|-------------|-------------------------|-------------------------|----------------|-------------|-----------|-----------|
| Frequency [MHz] | Polarity | Factor [dB] | QP Value [dB μ V/m] | QP Limit [dB μ V/m] | QP Margin [dB] | Height [cm] | Angle [°] | Pass/Fail |
| 0.1628 | Y axis | 20.41 | 49.61 | 63.29 | 13.68 | 100 | 270 | PASS |
| 0.4187 | Y axis | 20.32 | 36.75 | 55.07 | 18.32 | 100 | 300 | PASS |
| 0.4955 | Y axis | 20.56 | 35.47 | 53.60 | 18.13 | 100 | 320 | PASS |
| 0.9347 | Y axis | 20.56 | 33.49 | 48.11 | 14.62 | 100 | 90 | PASS |
| 4.9480 | Y axis | 21.13 | 28.87 | 49.50 | 20.63 | 100 | 270 | PASS |
| 10.2578 | Y axis | 20.95 | 26.98 | 49.50 | 22.52 | 100 | 230 | PASS |

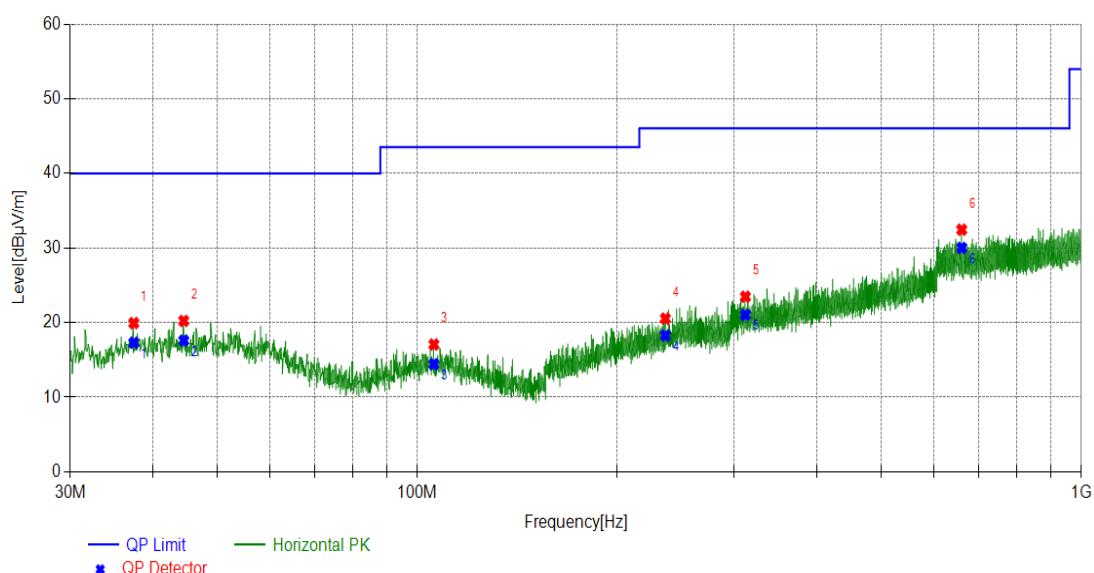


WIFI:

During the test, the Radiates Emission from 30MHz to 40GHz was performed in WIFI all modes with all channels and all antenna. 802.11ax20, Channel 1,MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

| Radiates Emission | 30M~1G | | | | | | | | | |
|-----------------------|------------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | Worst-Case | | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 37.4181 | Horizontal | 13.39 | 6.55 | 19.94 | 40.00 | 20.06 | PK | 100 | 20 | PASS |
| 44.4938 | Horizontal | 14.21 | 6.02 | 20.23 | 40.00 | 19.77 | PK | 100 | 20 | PASS |
| 105.9498 | Horizontal | 12.43 | 4.64 | 17.07 | 43.52 | 26.45 | PK | 100 | 40 | PASS |
| 236.4510 | Horizontal | 14.28 | 6.26 | 20.54 | 46.02 | 25.48 | PK | 100 | 30 | PASS |
| 312.1154 | Horizontal | 15.54 | 7.92 | 23.46 | 46.02 | 22.56 | PK | 100 | 40 | PASS |
| 660.9365 | Horizontal | 21.78 | 10.67 | 32.45 | 46.02 | 13.57 | PK | 100 | 20 | PASS |

| Final Data List | | | | | | | | |
|------------------------|------------|-------------|-------------------------|-------------------------|----------------|-------------|-----------|-----------|
| Frequency [MHz] | Polarity | Factor [dB] | QP Value [dB μ V/m] | QP Limit [dB μ V/m] | QP Margin [dB] | Height [cm] | Angle [°] | Pass/Fail |
| 37.4181 | Horizontal | 13.39 | 17.30 | 40.00 | 22.70 | 130 | 20 | PASS |
| 44.4938 | Horizontal | 14.21 | 17.59 | 40.00 | 22.41 | 170 | 20 | PASS |
| 105.9498 | Horizontal | 12.43 | 14.43 | 43.52 | 29.09 | 190 | 40 | PASS |
| 236.4510 | Horizontal | 14.28 | 18.26 | 46.02 | 27.76 | 220 | 30 | PASS |
| 312.1154 | Horizontal | 15.54 | 21.02 | 46.02 | 25.00 | 240 | 40 | PASS |
| 660.9365 | Horizontal | 21.78 | 30.01 | 46.02 | 16.01 | 320 | 20 | PASS |



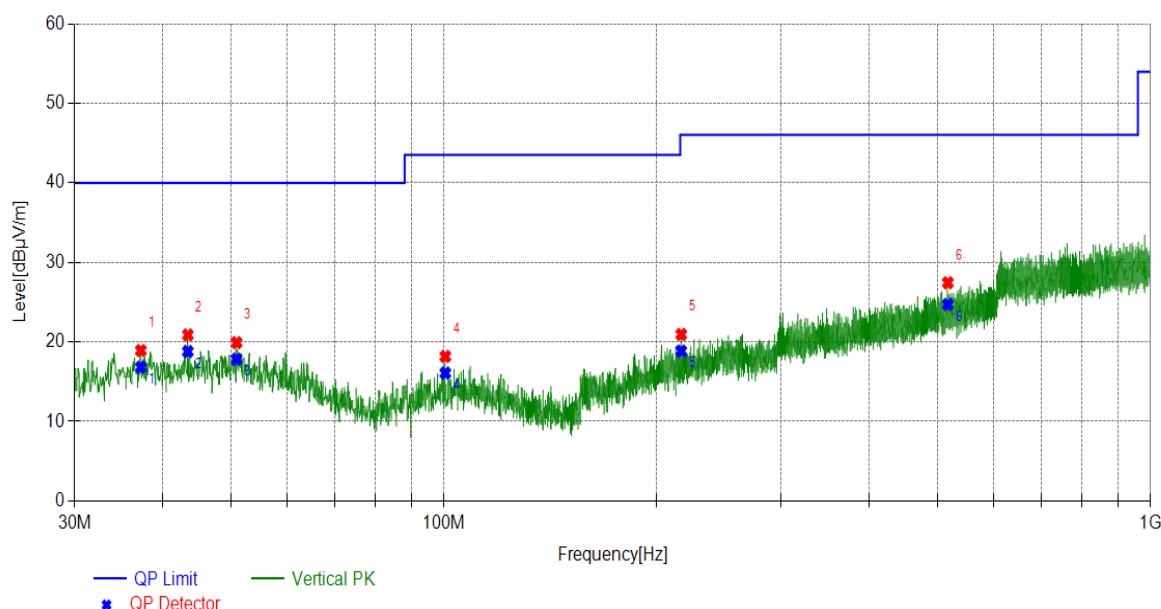
| | |
|-------------------|------------|
| Radiates Emission | 30M~1G |
| Test channel | Worst-Case |

Suspected List

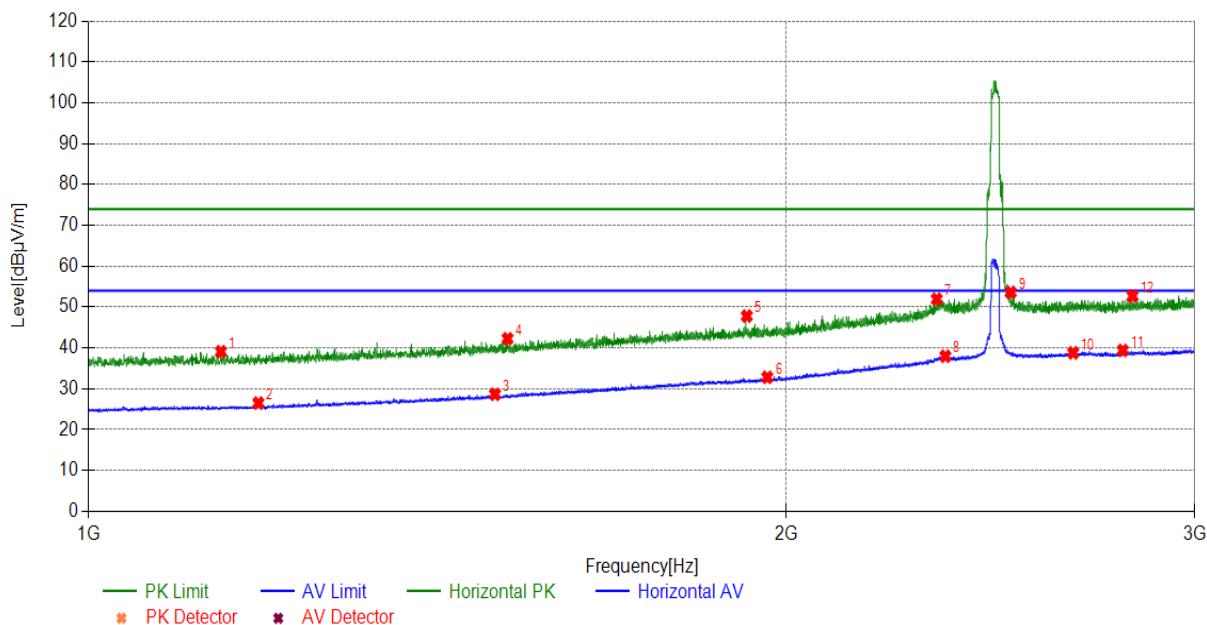
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
|-----------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| 37.2469 | Vertical | 13.35 | 5.56 | 18.91 | 40.00 | 21.09 | PK | 100 | 30 | PASS |
| 43.4096 | Vertical | 14.15 | 6.73 | 20.88 | 40.00 | 19.12 | PK | 100 | 30 | PASS |
| 50.8848 | Vertical | 14.42 | 5.49 | 19.91 | 40.00 | 20.09 | PK | 100 | 30 | PASS |
| 100.4718 | Vertical | 12.42 | 5.75 | 18.17 | 43.52 | 25.35 | PK | 100 | 20 | PASS |
| 216.7645 | Vertical | 13.33 | 7.61 | 20.94 | 46.02 | 25.08 | PK | 100 | 30 | PASS |
| 516.7975 | Vertical | 19.48 | 7.96 | 27.44 | 46.02 | 18.58 | PK | 100 | 30 | PASS |

Final Data List

| Frequency [MHz] | Polarity | Factor [dB] | QP Value [dB μ V/m] | QP Limit [dB μ V/m] | QP Margin [dB] | Height [cm] | Angle [°] | Pass/Fail |
|-----------------|----------|-------------|-------------------------|-------------------------|----------------|-------------|-----------|-----------|
| 37.2469 | Vertical | 13.35 | 16.82 | 40.00 | 23.18 | 114 | 30 | PASS |
| 43.4096 | Vertical | 14.15 | 18.79 | 40.00 | 21.21 | 156 | 30 | PASS |
| 50.8848 | Vertical | 14.42 | 17.82 | 40.00 | 22.18 | 190 | 30 | PASS |
| 100.4718 | Vertical | 12.42 | 16.08 | 43.52 | 27.44 | 222 | 20 | PASS |
| 216.7645 | Vertical | 13.33 | 18.85 | 46.02 | 27.17 | 260 | 30 | PASS |
| 516.7975 | Vertical | 19.48 | 24.71 | 46.02 | 21.31 | 338 | 30 | PASS |

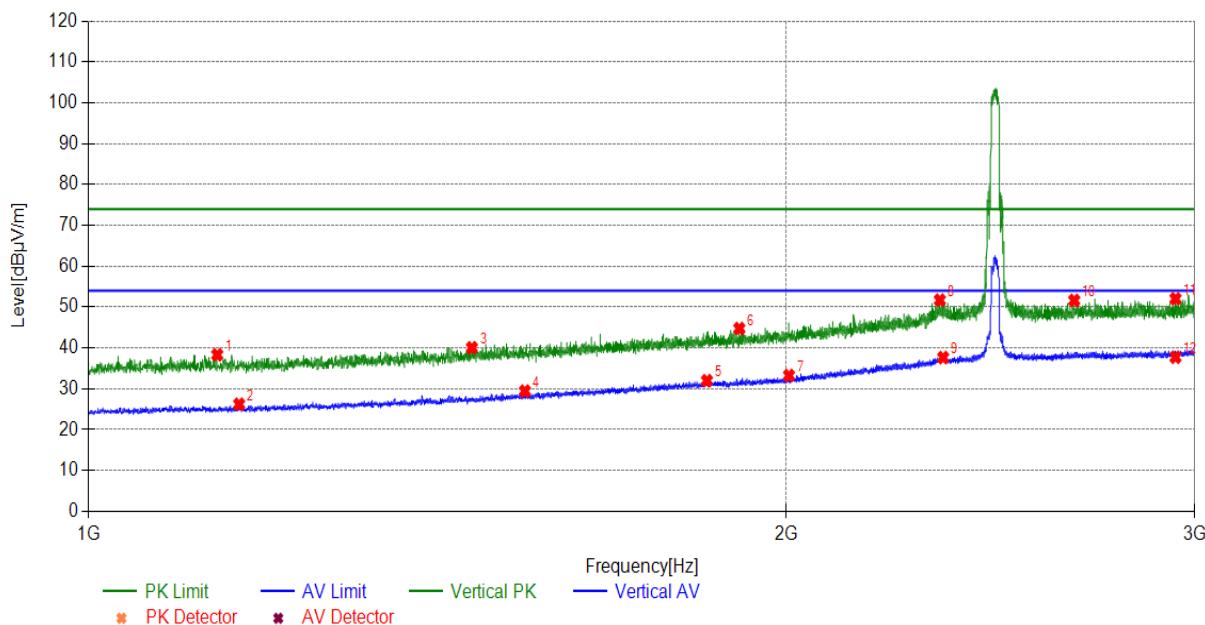


| Radiates Emission | | 1G~3G | | | | | | | | |
|-----------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 2820.58 | Horizont | 37.38 | 15.29 | 52.67 | 74.00 | 21.33 | PK | 100 | 150 | PASS |
| 1922.89 | Horizont | 31.56 | 16.23 | 47.79 | 74.00 | 26.21 | PK | 100 | 40 | PASS |
| 1140.61 | Horizont | 25.97 | 13.12 | 39.09 | 74.00 | 34.91 | PK | 100 | 190 | PASS |
| 2322.13 | Horizont | 35.25 | 16.67 | 51.92 | 74.00 | 22.08 | PK | 100 | 130 | PASS |
| 2499.14 | Horizont | 36.27 | 17.33 | 53.60 | 74.00 | 20.40 | PK | 100 | 180 | PASS |
| 1516.25 | Horizont | 28.33 | 13.93 | 42.26 | 74.00 | 31.74 | PK | 100 | 240 | PASS |
| 2659.16 | Horizont | 36.87 | 1.94 | 38.81 | 54.00 | 15.19 | AV | 100 | 10 | PASS |
| 1183.81 | Horizont | 26.15 | 0.36 | 26.51 | 54.00 | 27.49 | AV | 100 | 10 | PASS |
| 1497.44 | Horizont | 28.17 | 0.48 | 28.65 | 54.00 | 25.35 | AV | 100 | 10 | PASS |
| 2793.37 | Horizont | 37.30 | 2.09 | 39.39 | 54.00 | 14.61 | AV | 100 | 10 | PASS |
| 2342.13 | Horizont | 35.41 | 2.56 | 37.97 | 54.00 | 16.03 | AV | 100 | 10 | PASS |
| 1962.49 | Horizont | 31.77 | 1.05 | 32.82 | 54.00 | 21.18 | AV | 100 | 10 | PASS |



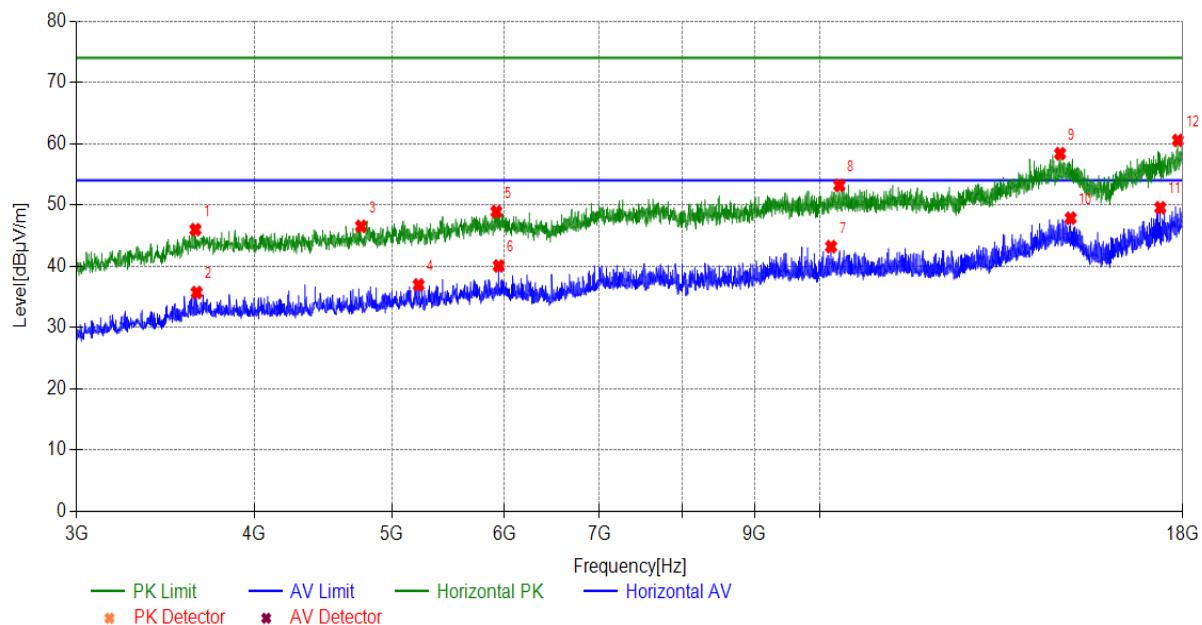
Note: The signal beyond the limit is carrier

| Radiates Emission | | 1G~3G | | | | | | | | |
|-----------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 1136.41 | Vertical | 25.96 | 12.36 | 38.32 | 74.00 | 35.68 | PK | 100 | 20 | PASS |
| 2661.96 | Vertical | 36.88 | 14.74 | 51.62 | 74.00 | 22.38 | PK | 100 | 30 | PASS |
| 2943.59 | Vertical | 37.77 | 14.25 | 52.02 | 74.00 | 21.98 | PK | 100 | 30 | PASS |
| 2329.33 | Vertical | 35.30 | 16.39 | 51.69 | 74.00 | 22.31 | PK | 100 | 20 | PASS |
| 1908.69 | Vertical | 31.49 | 13.25 | 44.74 | 74.00 | 29.26 | PK | 100 | 20 | PASS |
| 1463.44 | Vertical | 27.91 | 12.13 | 40.04 | 74.00 | 33.96 | PK | 100 | 20 | PASS |
| 2336.93 | Vertical | 35.37 | 2.28 | 37.65 | 54.00 | 16.35 | AV | 100 | 20 | PASS |
| 1161.41 | Vertical | 26.06 | 0.17 | 26.23 | 54.00 | 27.77 | AV | 100 | 10 | PASS |
| 1542.65 | Vertical | 28.56 | 0.88 | 29.44 | 54.00 | 24.56 | AV | 100 | 10 | PASS |
| 1848.28 | Vertical | 31.17 | 0.83 | 32.00 | 54.00 | 22.00 | AV | 100 | 10 | PASS |
| 2005.10 | Vertical | 32.03 | 1.23 | 33.26 | 54.00 | 20.74 | AV | 100 | 10 | PASS |
| 2943.59 | Vertical | 37.77 | -0.04 | 37.73 | 54.00 | 16.27 | AV | 100 | 30 | PASS |

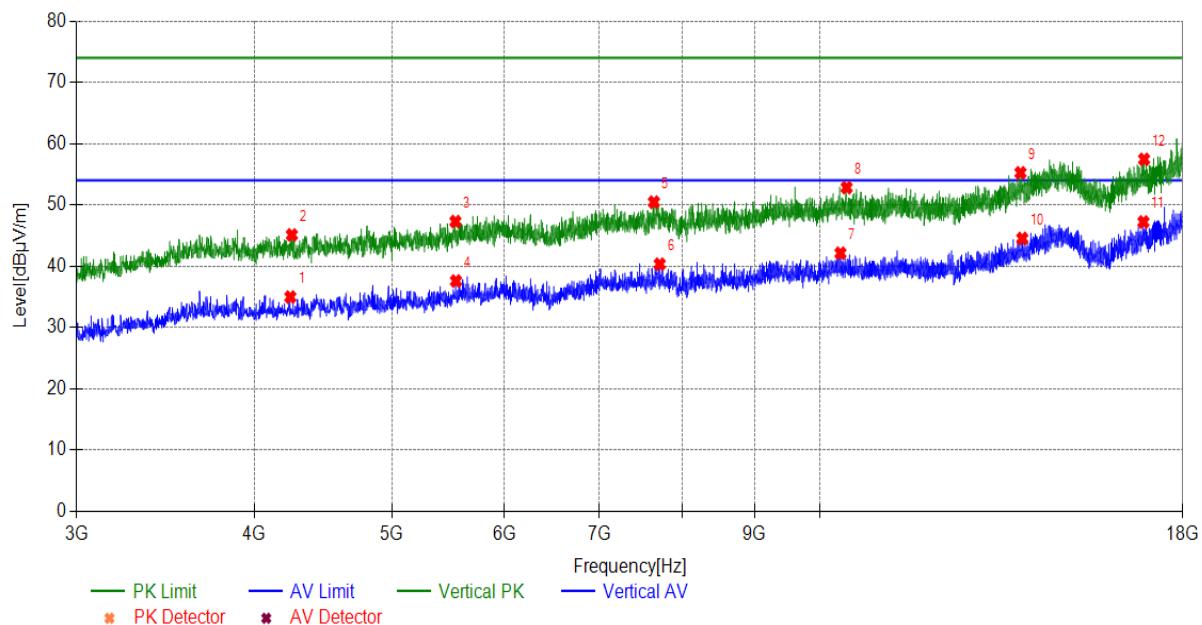


Note: The signal beyond the limit is carrier

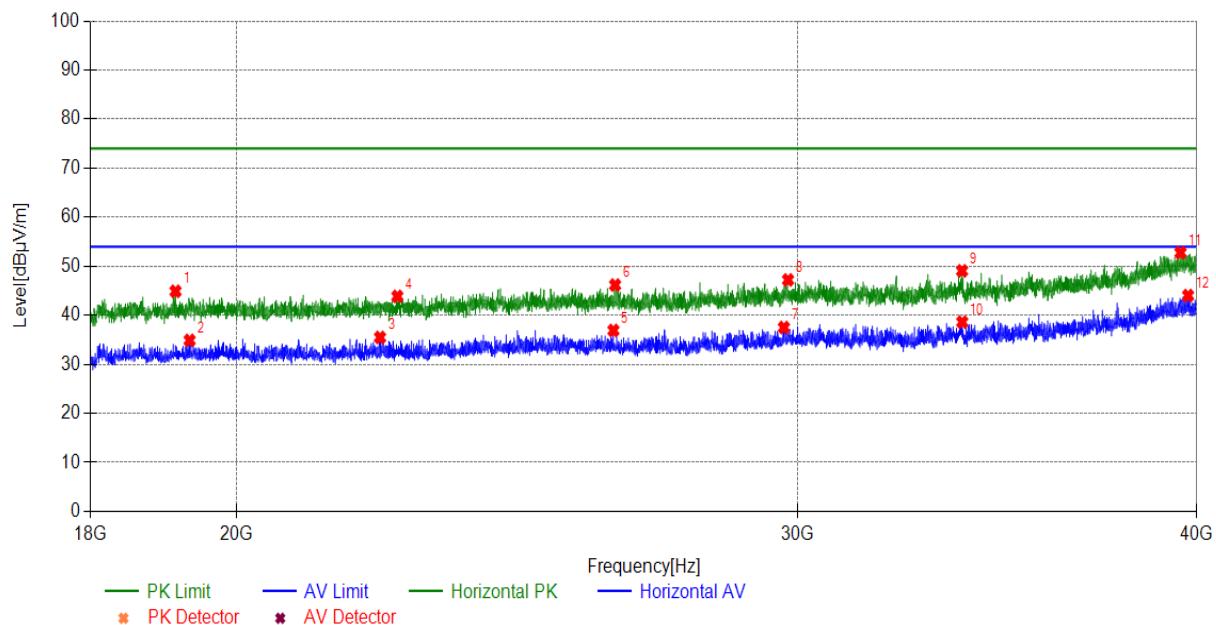
| Radiates Emission | | 3G~18G | | | | | | | | |
|-------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 17861.9 | Horizont | 14.73 | 45.80 | 60.53 | 74.00 | 13.47 | PK | 100 | 290 | PASS |
| 5922.29 | Horizont | -4.27 | 53.17 | 48.90 | 74.00 | 25.10 | PK | 100 | 100 | PASS |
| 3637.56 | Horizont | -7.20 | 53.17 | 45.97 | 74.00 | 28.03 | PK | 100 | 100 | PASS |
| 10322.2 | Horizont | 4.38 | 48.80 | 53.18 | 74.00 | 20.82 | PK | 100 | 190 | PASS |
| 14759.6 | Horizont | 8.63 | 49.74 | 58.37 | 74.00 | 15.63 | PK | 100 | 20 | PASS |
| 4756.67 | Horizont | -5.87 | 52.38 | 46.51 | 74.00 | 27.49 | PK | 100 | 110 | PASS |
| 5221.72 | Horizont | -5.61 | 42.55 | 36.94 | 54.00 | 17.06 | AV | 100 | 10 | PASS |
| 3645.06 | Horizont | -7.19 | 42.90 | 35.71 | 54.00 | 18.29 | AV | 100 | 10 | PASS |
| 15014.7 | Horizont | 8.60 | 39.24 | 47.84 | 54.00 | 6.16 | AV | 100 | 10 | PASS |
| 10185.7 | Horizont | 4.04 | 39.15 | 43.19 | 54.00 | 10.81 | AV | 100 | 10 | PASS |
| 17360.9 | Horizont | 12.10 | 37.44 | 49.54 | 54.00 | 4.46 | AV | 100 | 10 | PASS |
| 5944.79 | Horizont | -4.20 | 44.25 | 40.05 | 54.00 | 13.95 | AV | 100 | 10 | PASS |



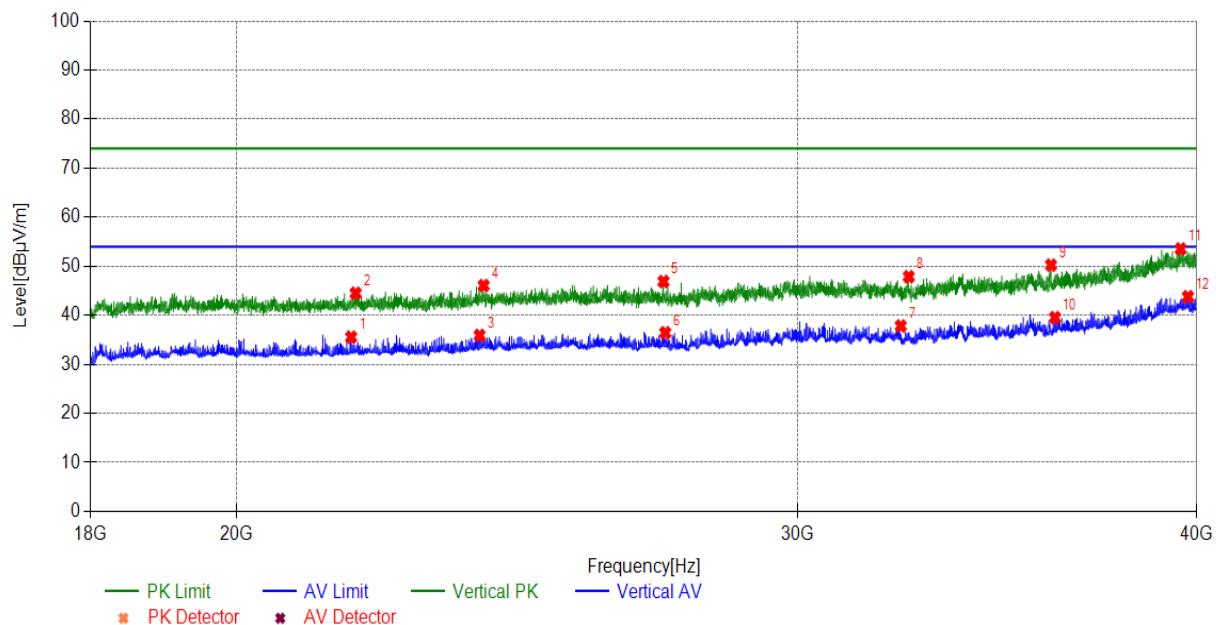
| Radiates Emission | | 3G~18G | | | | | | | | |
|-----------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 16912.3 | Vertical | 9.91 | 47.53 | 57.44 | 74.00 | 16.56 | PK | 100 | 60 | PASS |
| 4252.62 | Vertical | -6.36 | 51.47 | 45.11 | 74.00 | 28.89 | PK | 100 | 80 | PASS |
| 5542.75 | Vertical | -5.51 | 52.79 | 47.28 | 74.00 | 26.72 | PK | 100 | 30 | PASS |
| 10445.2 | Vertical | 4.68 | 48.14 | 52.82 | 74.00 | 21.18 | PK | 100 | 50 | PASS |
| 13843.0 | Vertical | 6.75 | 48.49 | 55.24 | 74.00 | 18.76 | PK | 100 | 70 | PASS |
| 7644.46 | Vertical | -0.28 | 50.73 | 50.45 | 74.00 | 23.55 | PK | 100 | 20 | PASS |
| 5547.25 | Vertical | -5.50 | 43.09 | 37.59 | 54.00 | 16.41 | AV | 100 | 20 | PASS |
| 7716.47 | Vertical | -0.26 | 40.59 | 40.33 | 54.00 | 13.67 | AV | 100 | 10 | PASS |
| 10341.7 | Vertical | 4.43 | 37.69 | 42.12 | 54.00 | 11.88 | AV | 100 | 10 | PASS |
| 13882.0 | Vertical | 6.84 | 37.68 | 44.52 | 54.00 | 9.48 | AV | 100 | 10 | PASS |
| 16892.8 | Vertical | 9.87 | 37.34 | 47.21 | 54.00 | 6.79 | AV | 100 | 10 | PASS |
| 4242.12 | Vertical | -6.37 | 41.34 | 34.97 | 54.00 | 19.03 | AV | 100 | 10 | PASS |



| Radiates Emission | | 18G~40G | | | | | | | | |
|-------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 19139.7 | Horizont | 1.34 | 43.55 | 44.89 | 74.00 | 29.11 | PK | 100 | 90 | PASS |
| 26288.2 | Horizont | 4.62 | 41.54 | 46.16 | 74.00 | 27.84 | PK | 100 | 50 | PASS |
| 39537.9 | Horizont | 10.78 | 41.97 | 52.75 | 74.00 | 21.25 | PK | 100 | 30 | PASS |
| 29782.1 | Horizont | 6.55 | 40.66 | 47.21 | 74.00 | 26.79 | PK | 100 | 20 | PASS |
| 33768.9 | Horizont | 6.53 | 42.52 | 49.05 | 74.00 | 24.95 | PK | 100 | 20 | PASS |
| 22464.2 | Horizont | 2.36 | 41.49 | 43.85 | 74.00 | 30.15 | PK | 100 | 90 | PASS |
| 26255.2 | Horizont | 4.60 | 32.30 | 36.90 | 54.00 | 17.10 | AV | 100 | 10 | PASS |
| 19335.5 | Horizont | 1.33 | 33.55 | 34.88 | 54.00 | 19.12 | AV | 100 | 10 | PASS |
| 22184.8 | Horizont | 2.08 | 33.39 | 35.47 | 54.00 | 18.53 | AV | 100 | 10 | PASS |
| 29694.1 | Horizont | 6.49 | 31.01 | 37.50 | 54.00 | 16.50 | AV | 100 | 10 | PASS |
| 33773.3 | Horizont | 6.53 | 32.07 | 38.60 | 54.00 | 15.40 | AV | 100 | 10 | PASS |
| 39753.5 | Horizont | 10.79 | 33.22 | 44.01 | 54.00 | 9.99 | AV | 100 | 10 | PASS |



| Radiates Emission | | 18G~40G | | | | | | | | |
|-------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 27221.1 | Vertical | 5.01 | 41.86 | 46.87 | 74.00 | 27.13 | PK | 100 | 270 | PASS |
| 32495.0 | Vertical | 6.10 | 41.75 | 47.85 | 74.00 | 26.15 | PK | 100 | 320 | PASS |
| 39540.1 | Vertical | 10.78 | 42.75 | 53.53 | 74.00 | 20.47 | PK | 100 | 320 | PASS |
| 23907.5 | Vertical | 3.63 | 42.42 | 46.05 | 74.00 | 27.95 | PK | 100 | 60 | PASS |
| 36008.8 | Vertical | 7.16 | 43.06 | 50.22 | 74.00 | 23.78 | PK | 100 | 220 | PASS |
| 21797.5 | Vertical | 1.85 | 42.63 | 44.48 | 74.00 | 29.52 | PK | 100 | 90 | PASS |
| 32308.0 | Vertical | 6.02 | 31.79 | 37.81 | 54.00 | 16.19 | AV | 100 | 10 | PASS |
| 27256.3 | Vertical | 5.03 | 31.40 | 36.43 | 54.00 | 17.57 | AV | 100 | 10 | PASS |
| 23837.1 | Vertical | 3.57 | 32.31 | 35.88 | 54.00 | 18.12 | AV | 100 | 10 | PASS |
| 39751.3 | Vertical | 10.79 | 33.00 | 43.79 | 54.00 | 10.21 | AV | 100 | 10 | PASS |
| 36112.2 | Vertical | 7.23 | 32.28 | 39.51 | 54.00 | 14.49 | AV | 100 | 10 | PASS |
| 21727.1 | Vertical | 1.83 | 33.70 | 35.53 | 54.00 | 18.47 | AV | 100 | 10 | PASS |

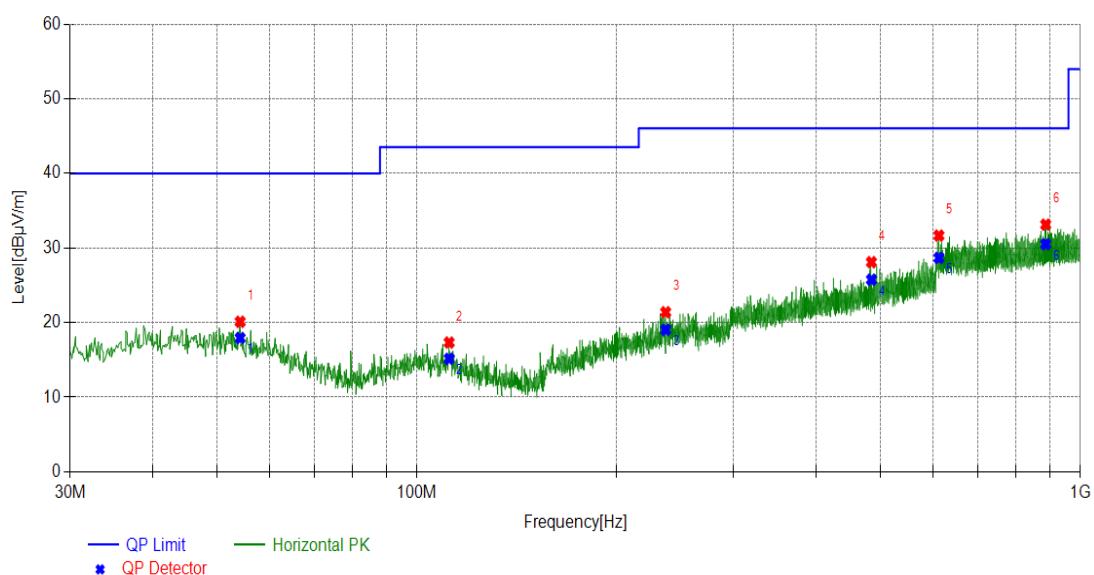


Bluetooth(Low Energy):

During the test, the Radiates Emission from 30MHz to 40GHz was performed in Bluetooth(Low Energy) all modes with all channels and all antenna. BLE(1Mbps), Channel 39, antenna 1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

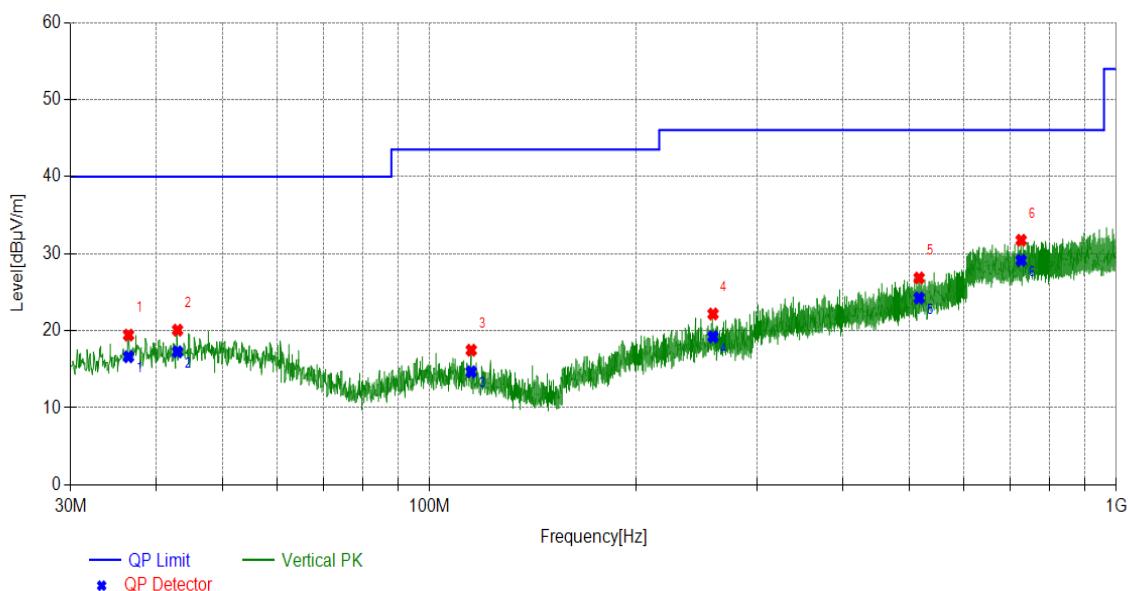
| Radiates Emission | | 30M~1G | | | | | | | | | |
|-------------------|------------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|--|
| Test channel | | Worst-Case | | | | | | | | | |
| Suspected List | | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail | |
| 54.1554 | Horizontal | 14.03 | 6.08 | 20.11 | 40.00 | 19.89 | PK | 100 | 60 | PASS | |
| 111.8762 | Horizontal | 12.25 | 5.08 | 17.33 | 43.52 | 26.19 | PK | 100 | 30 | PASS | |
| 237.2127 | Horizontal | 14.32 | 7.07 | 21.39 | 46.02 | 24.63 | PK | 100 | 30 | PASS | |
| 484.4904 | Horizontal | 18.90 | 9.20 | 28.10 | 46.02 | 17.92 | PK | 100 | 70 | PASS | |
| 612.3492 | Horizontal | 21.21 | 10.45 | 31.66 | 46.02 | 14.36 | PK | 100 | 20 | PASS | |
| 887.1777 | Horizontal | 24.39 | 8.74 | 33.13 | 46.02 | 12.89 | PK | 100 | 40 | PASS | |

| Final Data List | | | | | | | | |
|-----------------|------------|-------------|-------------------------|-------------------------|----------------|-------------|-----------|-----------|
| Frequency [MHz] | Polarity | Factor [dB] | QP Value [dB μ V/m] | QP Limit [dB μ V/m] | QP Margin [dB] | Height [cm] | Angle [°] | Pass/Fail |
| 54.1554 | Horizontal | 14.03 | 17.93 | 40.00 | 22.07 | 102 | 60 | PASS |
| 111.8762 | Horizontal | 12.25 | 15.15 | 43.52 | 28.37 | 130 | 30 | PASS |
| 237.2127 | Horizontal | 14.32 | 19.04 | 46.02 | 26.98 | 160 | 30 | PASS |
| 484.4904 | Horizontal | 18.90 | 25.75 | 46.02 | 20.27 | 230 | 70 | PASS |
| 612.3492 | Horizontal | 21.21 | 28.67 | 46.02 | 17.35 | 140 | 20 | PASS |
| 887.1777 | Horizontal | 24.39 | 30.50 | 46.02 | 15.52 | 302 | 40 | PASS |

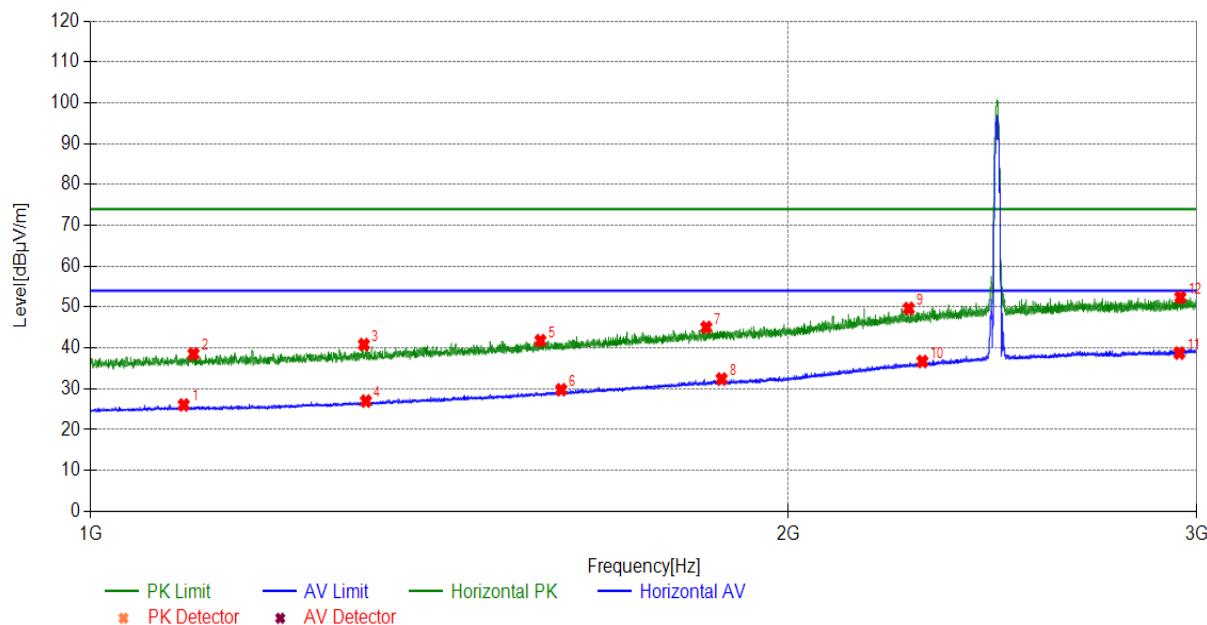


| Radiates Emission | 30M~1G | | | | | | | | | |
|-----------------------|------------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | Worst-Case | | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 36.4480 | Vertical | 13.18 | 6.26 | 19.44 | 40.00 | 20.56 | PK | 100 | 30 | PASS |
| 42.9531 | Vertical | 14.13 | 5.95 | 20.08 | 40.00 | 19.92 | PK | 100 | 30 | PASS |
| 115.0226 | Vertical | 11.94 | 5.54 | 17.48 | 43.52 | 26.04 | PK | 100 | 40 | PASS |
| 258.7623 | Vertical | 15.00 | 7.18 | 22.18 | 46.02 | 23.84 | PK | 100 | 30 | PASS |
| 516.3980 | Vertical | 19.48 | 7.37 | 26.85 | 46.02 | 19.17 | PK | 100 | 40 | PASS |
| 727.1857 | Vertical | 22.56 | 9.18 | 31.74 | 46.02 | 14.28 | PK | 100 | 30 | PASS |

| Final Data List | | | | | | | | |
|------------------------|----------|-------------|-------------------------|-------------------------|----------------|-------------|-----------|-----------|
| Frequency [MHz] | Polarity | Factor [dB] | QP Value [dB μ V/m] | QP Limit [dB μ V/m] | QP Margin [dB] | Height [cm] | Angle [°] | Pass/Fail |
| 36.4480 | Vertical | 13.18 | 16.63 | 40.00 | 23.37 | 110 | 30 | PASS |
| 42.9531 | Vertical | 14.13 | 17.27 | 40.00 | 22.73 | 146 | 30 | PASS |
| 115.0226 | Vertical | 11.94 | 14.67 | 43.52 | 28.85 | 182 | 40 | PASS |
| 258.7623 | Vertical | 15.00 | 19.21 | 46.02 | 26.81 | 204 | 30 | PASS |
| 516.3980 | Vertical | 19.48 | 24.24 | 46.02 | 21.78 | 256 | 40 | PASS |
| 727.1857 | Vertical | 22.56 | 29.13 | 46.02 | 16.89 | 310 | 30 | PASS |

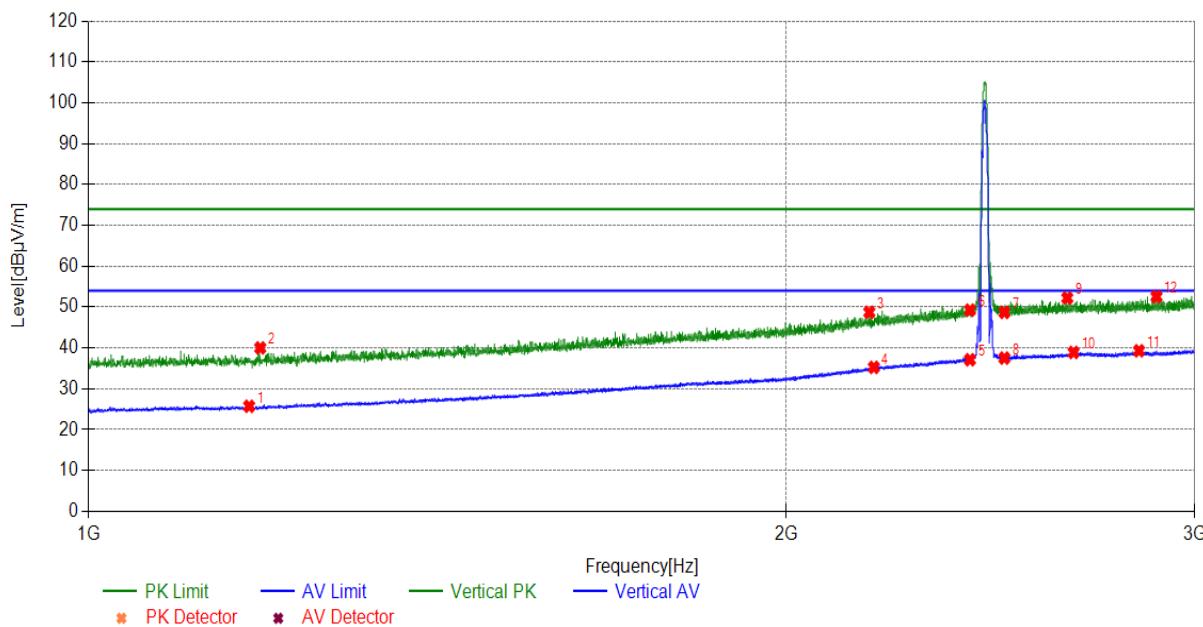


| Radiates Emission | | 1G~3G | | | | | | | | | |
|-------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|--|
| Test channel | | Worst-Case | | | | | | | | | |
| Suspected List | | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail | |
| 2976.59 | Horizont | 37.88 | 14.81 | 52.69 | 74.00 | 21.31 | PK | 100 | 297 | PASS | |
| 2720.97 | Horizont | 37.07 | 16.05 | 53.12 | 74.00 | 20.88 | PK | 100 | 360 | PASS | |
| 1914.09 | Horizont | 31.52 | 15.28 | 46.80 | 74.00 | 27.20 | PK | 100 | 120 | PASS | |
| 2154.71 | Horizont | 33.75 | 15.17 | 48.92 | 74.00 | 25.08 | PK | 100 | 164 | PASS | |
| 1045.00 | Horizont | 25.58 | 12.55 | 38.13 | 74.00 | 35.87 | PK | 100 | 275 | PASS | |
| 1478.44 | Horizont | 28.03 | 13.14 | 41.17 | 74.00 | 32.83 | PK | 100 | 360 | PASS | |
| 2964.79 | Horizont | 37.84 | 1.66 | 39.50 | 54.00 | 14.50 | AV | 100 | 186 | PASS | |
| 1912.49 | Horizont | 31.51 | 0.62 | 32.13 | 54.00 | 21.87 | AV | 100 | 31 | PASS | |
| 1476.84 | Horizont | 28.01 | 0.04 | 28.05 | 54.00 | 25.95 | AV | 100 | 186 | PASS | |
| 2152.11 | Horizont | 33.72 | 1.11 | 34.83 | 54.00 | 19.17 | AV | 100 | 275 | PASS | |
| 2702.77 | Horizont | 37.01 | 1.90 | 38.91 | 54.00 | 15.09 | AV | 100 | 120 | PASS | |
| 1035.60 | Horizont | 25.55 | -0.17 | 25.38 | 54.00 | 28.62 | AV | 100 | 75 | PASS | |



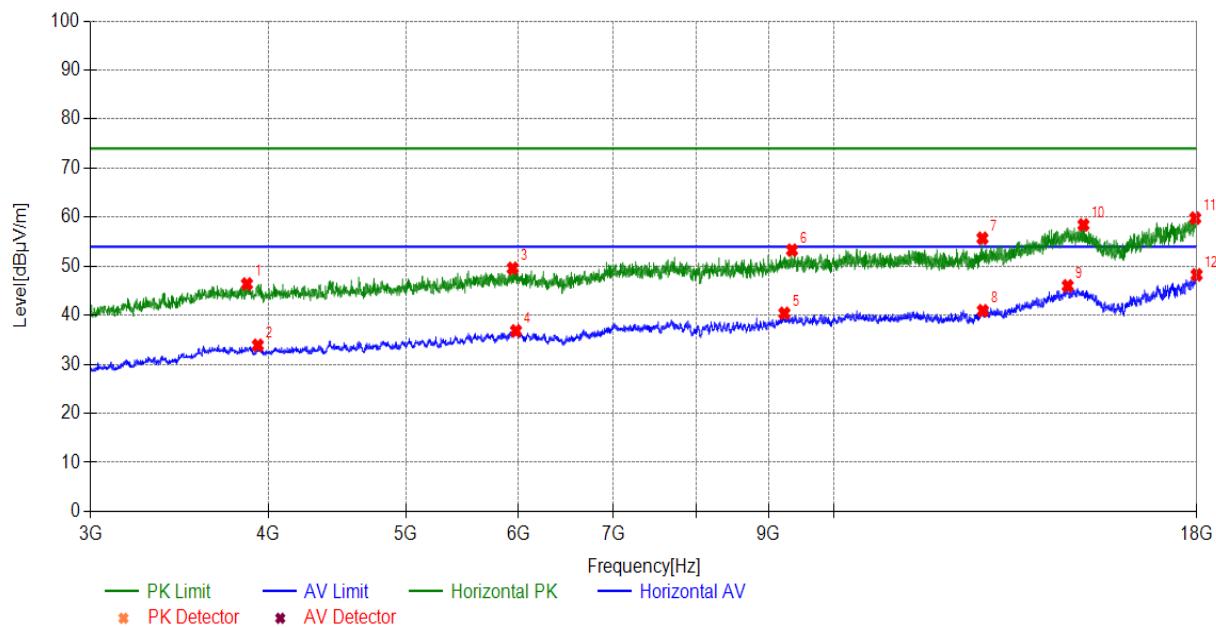
Note: The signal beyond the limit is carrier

| Radiates Emission | | 1G~3G | | | | | | | | |
|-----------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 2888.58 | Vertical | 37.60 | 14.94 | 52.54 | 74.00 | 21.46 | PK | 100 | 326 | PASS |
| 2171.71 | Vertical | 33.94 | 14.78 | 48.72 | 74.00 | 25.28 | PK | 100 | 145 | PASS |
| 2400.14 | Vertical | 35.87 | 13.38 | 49.25 | 74.00 | 24.75 | PK | 100 | 190 | PASS |
| 1186.01 | Vertical | 26.16 | 13.85 | 40.01 | 74.00 | 33.99 | PK | 100 | 98 | PASS |
| 2643.56 | Vertical | 36.82 | 15.39 | 52.21 | 74.00 | 21.79 | PK | 100 | 349 | PASS |
| 2483.54 | Vertical | 36.20 | 12.51 | 48.71 | 74.00 | 25.29 | PK | 100 | 235 | PASS |
| 2181.51 | Vertical | 34.06 | 1.19 | 35.25 | 54.00 | 18.75 | AV | 100 | 53 | PASS |
| 2400.14 | Vertical | 35.87 | 1.25 | 37.12 | 54.00 | 16.88 | AV | 100 | 8 | PASS |
| 2838.98 | Vertical | 37.44 | 1.87 | 39.31 | 54.00 | 14.69 | AV | 100 | 75 | PASS |
| 2660.16 | Vertical | 36.88 | 2.02 | 38.90 | 54.00 | 15.10 | AV | 100 | 280 | PASS |
| 2483.54 | Vertical | 36.20 | 1.33 | 37.53 | 54.00 | 16.47 | AV | 100 | 190 | PASS |
| 1173.01 | Vertical | 26.11 | -0.38 | 25.73 | 54.00 | 28.27 | AV | 100 | 303 | PASS |

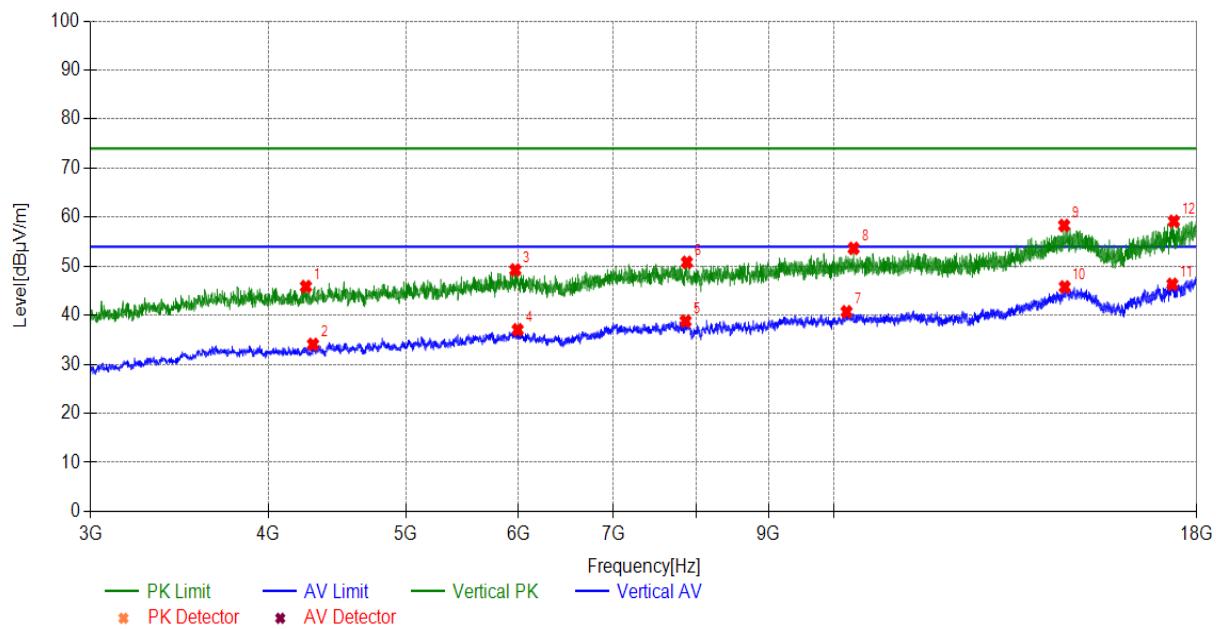


Note: The signal beyond the limit is carrier

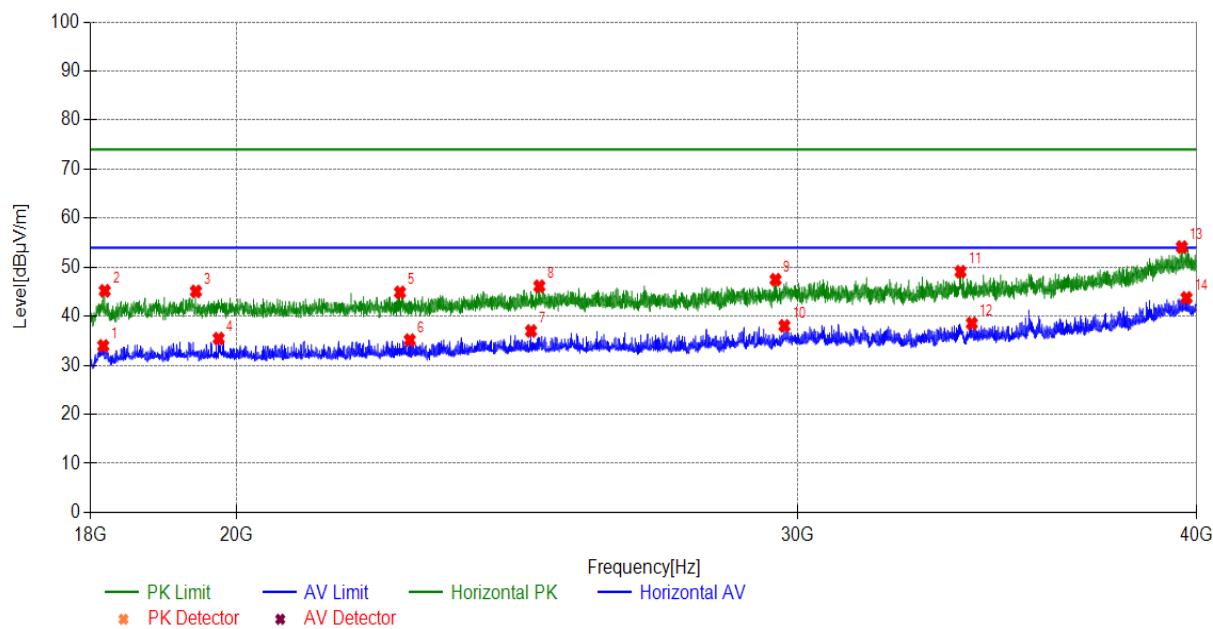
| Radiates Emission | | 3G~18G | | | | | | | | |
|-----------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 3865.58 | Horizont | -6.79 | 53.16 | 46.37 | 74.00 | 27.63 | PK | 100 | 194 | PASS |
| 14986.1 | Horizont | 8.64 | 49.78 | 58.42 | 74.00 | 15.58 | PK | 100 | 298 | PASS |
| 17959.4 | Horizont | 15.23 | 44.57 | 59.80 | 74.00 | 14.20 | PK | 100 | 55 | PASS |
| 5944.79 | Horizont | -4.20 | 53.77 | 49.57 | 74.00 | 24.43 | PK | 100 | 31 | PASS |
| 9347.13 | Horizont | 2.32 | 50.95 | 53.27 | 74.00 | 20.73 | PK | 100 | 352 | PASS |
| 12723.9 | Horizont | 4.85 | 50.84 | 55.69 | 74.00 | 18.31 | PK | 100 | 220 | PASS |
| 14608.1 | Horizont | 8.62 | 37.37 | 45.99 | 54.00 | 8.01 | AV | 100 | 352 | PASS |
| 3934.59 | Horizont | -6.67 | 40.54 | 33.87 | 54.00 | 20.13 | AV | 100 | 352 | PASS |
| 5976.29 | Horizont | -4.10 | 40.91 | 36.81 | 54.00 | 17.19 | AV | 100 | 352 | PASS |
| 9231.62 | Horizont | 2.06 | 38.33 | 40.39 | 54.00 | 13.61 | AV | 100 | 352 | PASS |
| 12731.4 | Horizont | 4.86 | 36.06 | 40.92 | 54.00 | 13.08 | AV | 100 | 352 | PASS |
| 18000.0 | Horizont | 15.44 | 32.80 | 48.24 | 54.00 | 5.76 | AV | 100 | 352 | PASS |



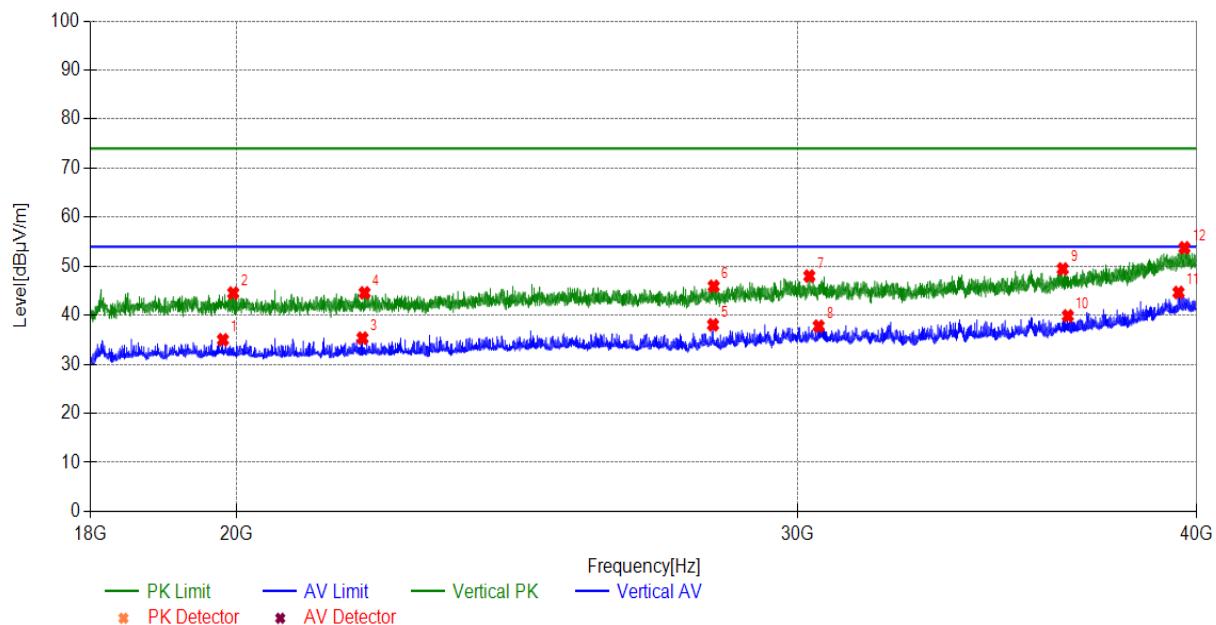
| Radiates Emission | | 3G~18G | | | | | | | | |
|-----------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 17347.4 | Vertical | 12.02 | 47.14 | 59.16 | 74.00 | 14.84 | PK | 100 | 27 | PASS |
| 4252.62 | Vertical | -6.36 | 52.21 | 45.85 | 74.00 | 28.15 | PK | 100 | 37 | PASS |
| 7882.98 | Vertical | -0.21 | 51.01 | 50.80 | 74.00 | 23.20 | PK | 100 | 22 | PASS |
| 10328.2 | Vertical | 4.39 | 49.25 | 53.64 | 74.00 | 20.36 | PK | 100 | 12 | PASS |
| 14524.1 | Vertical | 8.61 | 49.69 | 58.30 | 74.00 | 15.70 | PK | 100 | 17 | PASS |
| 5970.29 | Vertical | -4.12 | 53.35 | 49.23 | 74.00 | 24.77 | PK | 100 | 17 | PASS |
| 5992.79 | Vertical | -4.04 | 41.06 | 37.02 | 54.00 | 16.98 | AV | 100 | 12 | PASS |
| 4302.13 | Vertical | -6.33 | 40.38 | 34.05 | 54.00 | 19.95 | AV | 100 | 12 | PASS |
| 14537.6 | Vertical | 8.61 | 37.16 | 45.77 | 54.00 | 8.23 | AV | 100 | 12 | PASS |
| 10209.7 | Vertical | 4.10 | 36.60 | 40.70 | 54.00 | 13.30 | AV | 100 | 12 | PASS |
| 17305.4 | Vertical | 11.79 | 34.52 | 46.31 | 54.00 | 7.69 | AV | 100 | 12 | PASS |
| 7866.48 | Vertical | -0.21 | 39.00 | 38.79 | 54.00 | 15.21 | AV | 100 | 12 | PASS |



| Radiates Emission | | 18G~40G | | | | | | | | | |
|-------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|--|
| Test channel | | Worst-Case | | | | | | | | | |
| Suspected List | | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail | |
| 19423.5 | Horizont | 1.33 | 43.74 | 45.07 | 74.00 | 28.93 | PK | 100 | 100 | PASS | |
| 24888.8 | Horizont | 4.06 | 42.06 | 46.12 | 74.00 | 27.88 | PK | 100 | 60 | PASS | |
| 39575.3 | Horizont | 10.78 | 43.33 | 54.11 | 74.00 | 19.89 | PK | 100 | 150 | PASS | |
| 18187.0 | Horizont | 1.15 | 44.03 | 45.18 | 74.00 | 28.82 | PK | 100 | 60 | PASS | |
| 33731.5 | Horizont | 6.52 | 42.56 | 49.08 | 74.00 | 24.92 | PK | 100 | 180 | PASS | |
| 22506.0 | Horizont | 2.41 | 42.47 | 44.88 | 74.00 | 29.12 | PK | 100 | 90 | PASS | |
| 29515.9 | Horizont | 6.36 | 41.10 | 47.46 | 74.00 | 26.54 | PK | 100 | 170 | PASS | |
| 19744.7 | Horizont | 1.31 | 34.14 | 35.45 | 54.00 | 18.55 | AV | 100 | 10 | PASS | |
| 22666.6 | Horizont | 2.57 | 32.56 | 35.13 | 54.00 | 18.87 | AV | 100 | 10 | PASS | |
| 24739.2 | Horizont | 4.00 | 32.99 | 36.99 | 54.00 | 17.01 | AV | 100 | 10 | PASS | |
| 39709.5 | Horizont | 10.79 | 32.95 | 43.74 | 54.00 | 10.26 | AV | 100 | 10 | PASS | |
| 29705.1 | Horizont | 6.49 | 31.53 | 38.02 | 54.00 | 15.98 | AV | 100 | 10 | PASS | |
| 34008.8 | Horizont | 6.60 | 31.94 | 38.54 | 54.00 | 15.46 | AV | 100 | 10 | PASS | |
| 18167.2 | Horizont | 1.14 | 32.82 | 33.96 | 54.00 | 20.04 | AV | 100 | 10 | PASS | |



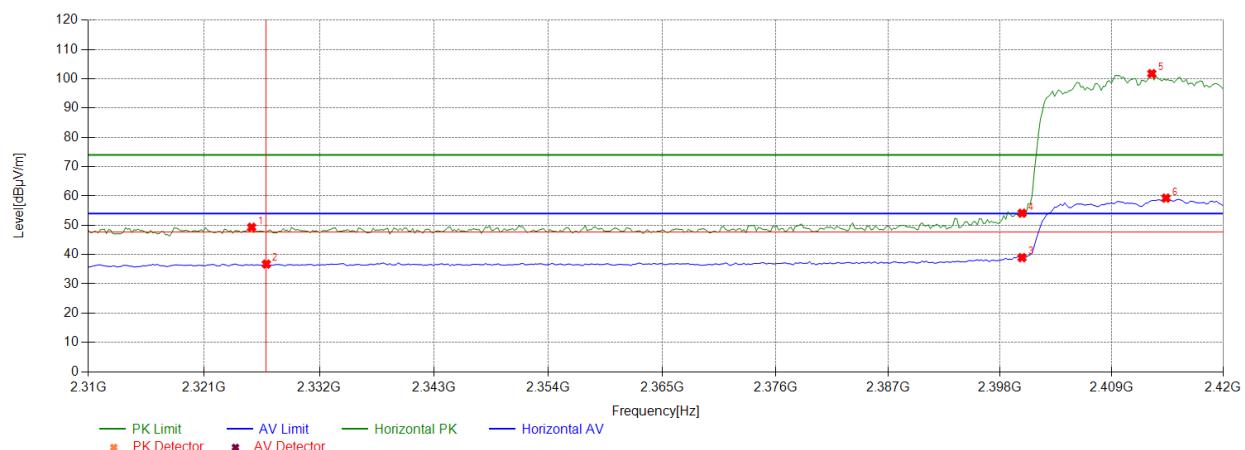
| Radiates Emission | | 18G~40G | | | | | | | | |
|-------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | Worst-Case | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 39650.1 | Vertical | 10.78 | 42.97 | 53.75 | 74.00 | 20.25 | PK | 100 | 230 | PASS |
| 19953.7 | Vertical | 1.30 | 43.22 | 44.52 | 74.00 | 29.48 | PK | 100 | 150 | PASS |
| 28226.6 | Vertical | 5.54 | 40.37 | 45.91 | 74.00 | 28.09 | PK | 100 | 190 | PASS |
| 30244.2 | Vertical | 6.59 | 41.39 | 47.98 | 74.00 | 26.02 | PK | 100 | 200 | PASS |
| 36314.6 | Vertical | 7.38 | 42.06 | 49.44 | 74.00 | 24.56 | PK | 100 | 30 | PASS |
| 21938.3 | Vertical | 1.88 | 42.69 | 44.57 | 74.00 | 29.43 | PK | 100 | 270 | PASS |
| 39480.7 | Vertical | 10.77 | 33.87 | 44.64 | 54.00 | 9.36 | AV | 100 | 10 | PASS |
| 28213.4 | Vertical | 5.53 | 32.52 | 38.05 | 54.00 | 15.95 | AV | 100 | 10 | PASS |
| 21905.3 | Vertical | 1.88 | 33.45 | 35.33 | 54.00 | 18.67 | AV | 100 | 10 | PASS |
| 36448.8 | Vertical | 7.48 | 32.39 | 39.87 | 54.00 | 14.13 | AV | 100 | 10 | PASS |
| 30448.8 | Vertical | 6.50 | 31.27 | 37.77 | 54.00 | 16.23 | AV | 100 | 10 | PASS |
| 19806.3 | Vertical | 1.31 | 33.68 | 34.99 | 54.00 | 19.01 | AV | 100 | 10 | PASS |



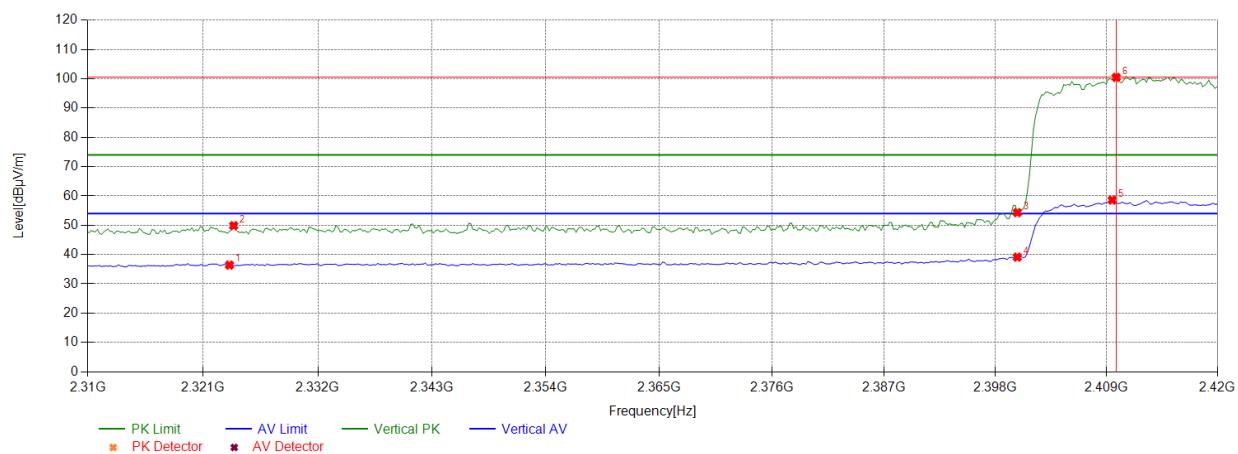
Band Edge:

During the test, the Band Edge was performed in WIFI all modes with all channels and all antenna. 802.11ax20, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

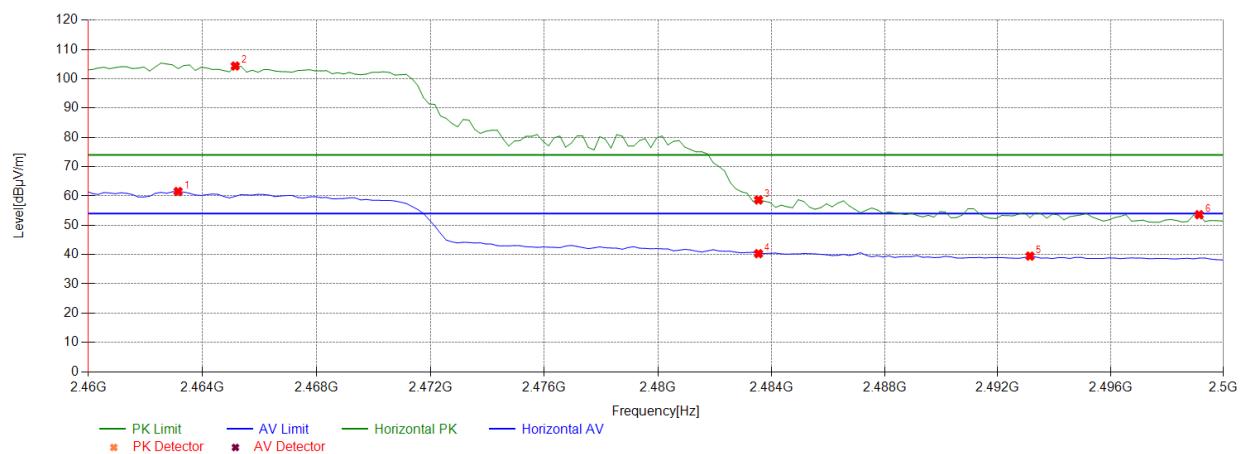
| Test mode | | 802.11AX(HE20) | | | | | | | | |
|-----------------|----------|----------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | LOW channel | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 2325.53 | Horizont | 35.27 | 14.05 | 49.32 | 74.00 | 24.68 | PK | 100 | 98 | PASS |
| 2390.14 | Horizont | 35.87 | 18.26 | 54.13 | 74.00 | 19.87 | PK | 100 | 340 | PASS |
| 2412.94 | Horizont | 35.92 | 65.86 | 101.78 | 74.00 | -27.78 | PK | 100 | 340 | - |
| 2326.93 | Horizont | 35.29 | 1.45 | 36.74 | 54.00 | 17.26 | AV | 100 | 297 | PASS |
| 2414.34 | Horizont | 35.93 | 23.34 | 59.27 | 54.00 | -5.27 | AV | 100 | 319 | - |
| 2390.14 | Horizont | 35.87 | 3.09 | 38.96 | 54.00 | 15.04 | AV | 100 | 319 | PASS |



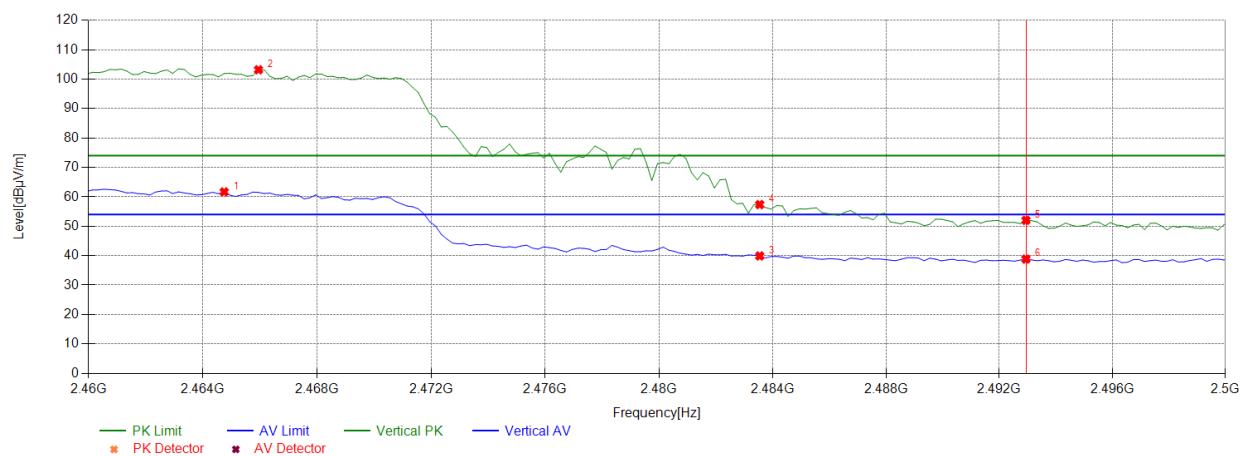
| Test mode | | 802.11AX(HE20) | | | | | | | | |
|-----------------------|----------|----------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | LOW channel | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 2409.94 | Vertical | 35.91 | 64.59 | 100.50 | 74.00 | -26.50 | PK | 100 | 345 | - |
| 2323.93 | Vertical | 35.26 | 14.61 | 49.87 | 74.00 | 24.13 | PK | 100 | 33 | PASS |
| 2390.14 | Vertical | 35.87 | 18.45 | 54.32 | 74.00 | 19.68 | PK | 100 | 345 | PASS |
| 2390.14 | Vertical | 35.87 | 3.25 | 39.12 | 54.00 | 14.88 | AV | 100 | 301 | PASS |
| 2409.54 | Vertical | 35.91 | 22.68 | 58.59 | 54.00 | -4.59 | AV | 100 | 301 | - |
| 2323.53 | Vertical | 35.26 | 1.15 | 36.41 | 54.00 | 17.59 | AV | 100 | 190 | PASS |



| Test mode | | 802.11AX(HE20) | | | | | | | | |
|-----------------------|----------|----------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | HIGH channel | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 2499.14 | Horizont | 36.27 | 17.33 | 53.60 | 74.00 | 20.40 | PK | 100 | 180 | PASS |
| 2465.14 | Horizont | 36.13 | 68.24 | 104.37 | 74.00 | -30.37 | PK | 100 | 210 | - |
| 2483.54 | Horizont | 36.20 | 22.44 | 58.64 | 74.00 | 15.36 | PK | 100 | 160 | PASS |
| 2483.54 | Horizont | 36.20 | 4.11 | 40.31 | 54.00 | 13.69 | AV | 100 | 70 | PASS |
| 2493.14 | Horizont | 36.24 | 3.23 | 39.47 | 54.00 | 14.53 | AV | 100 | 160 | PASS |
| 2463.14 | Horizont | 36.12 | 25.41 | 61.53 | 54.00 | -7.53 | AV | 100 | 240 | - |

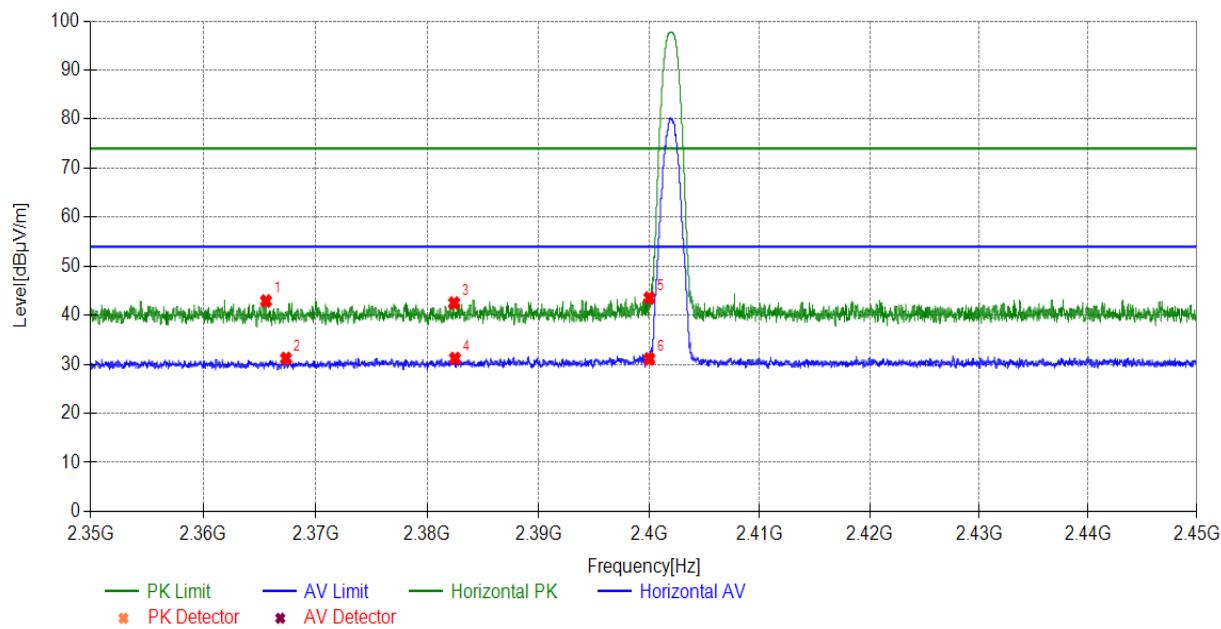


| Test mode | | 802.11AX(HE20) | | | | | | | | |
|-----------------------|----------|----------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | HIGH channel | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 2465.94 | Vertical | 36.13 | 67.08 | 103.21 | 74.00 | -29.21 | PK | 100 | 30 | - |
| 2483.54 | Vertical | 36.20 | 21.17 | 57.37 | 74.00 | 16.63 | PK | 100 | 30 | PASS |
| 2492.94 | Vertical | 36.24 | 15.78 | 52.02 | 74.00 | 21.98 | PK | 100 | 30 | PASS |
| 2483.54 | Vertical | 36.20 | 3.71 | 39.91 | 54.00 | 14.09 | AV | 100 | 30 | PASS |
| 2492.94 | Vertical | 36.24 | 2.60 | 38.84 | 54.00 | 15.16 | AV | 100 | 10 | PASS |
| 2464.74 | Vertical | 36.13 | 25.55 | 61.68 | 54.00 | -7.68 | AV | 100 | 10 | - |

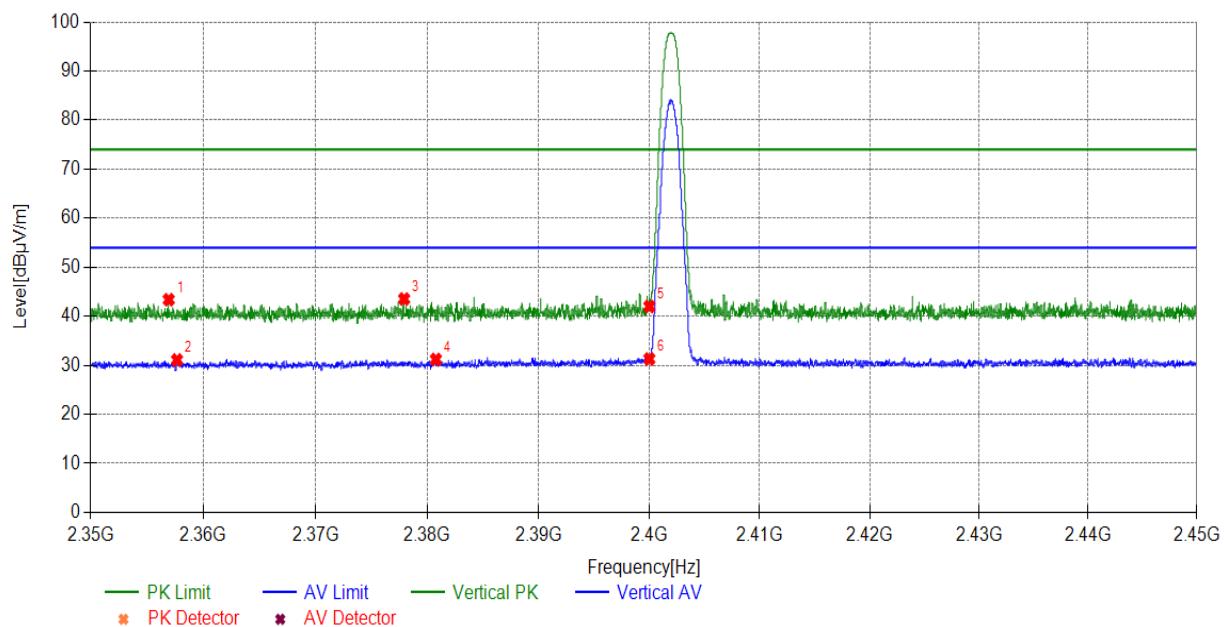


During the test, the Band Edge was performed in BLE all modes with all channels and all antenna. BLE(1Mbps), Channel 0, Antenna 1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

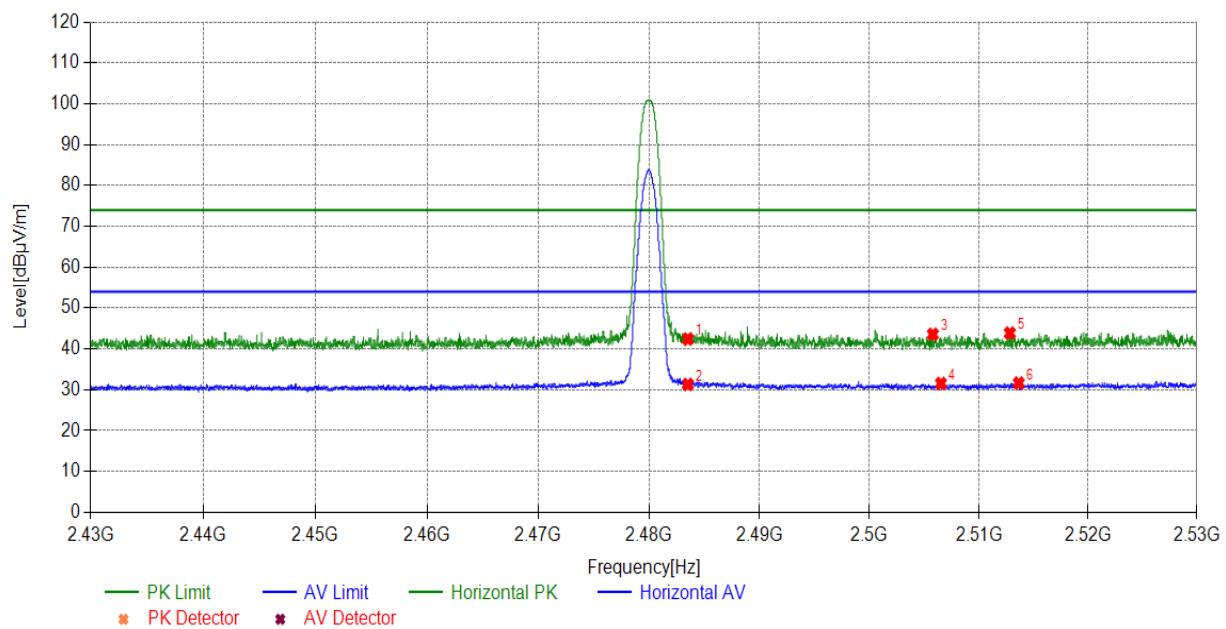
| Test mode | | BLE(1Mbps) | | | | | | | | | |
|-----------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|--|
| Test channel | | Channel 0 | | | | | | | | | |
| Suspected List | | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail | |
| 2365.59 | Horizont | 29.58 | 13.32 | 42.90 | 74.00 | 31.10 | PK | 100 | 10 | PASS | |
| 2382.41 | Horizont | 29.62 | 12.88 | 42.50 | 74.00 | 31.50 | PK | 100 | 20 | PASS | |
| 2400.00 | Horizont | 29.67 | 13.86 | 43.53 | 74.00 | 30.47 | PK | 100 | 20 | PASS | |
| 2367.37 | Horizont | 29.58 | 1.62 | 31.20 | 54.00 | 22.80 | AV | 100 | 10 | PASS | |
| 2382.49 | Horizont | 29.62 | 1.57 | 31.19 | 54.00 | 22.81 | AV | 100 | 10 | PASS | |
| 2400.00 | Horizont | 29.67 | 1.43 | 31.10 | 54.00 | 22.90 | AV | 100 | 20 | PASS | |



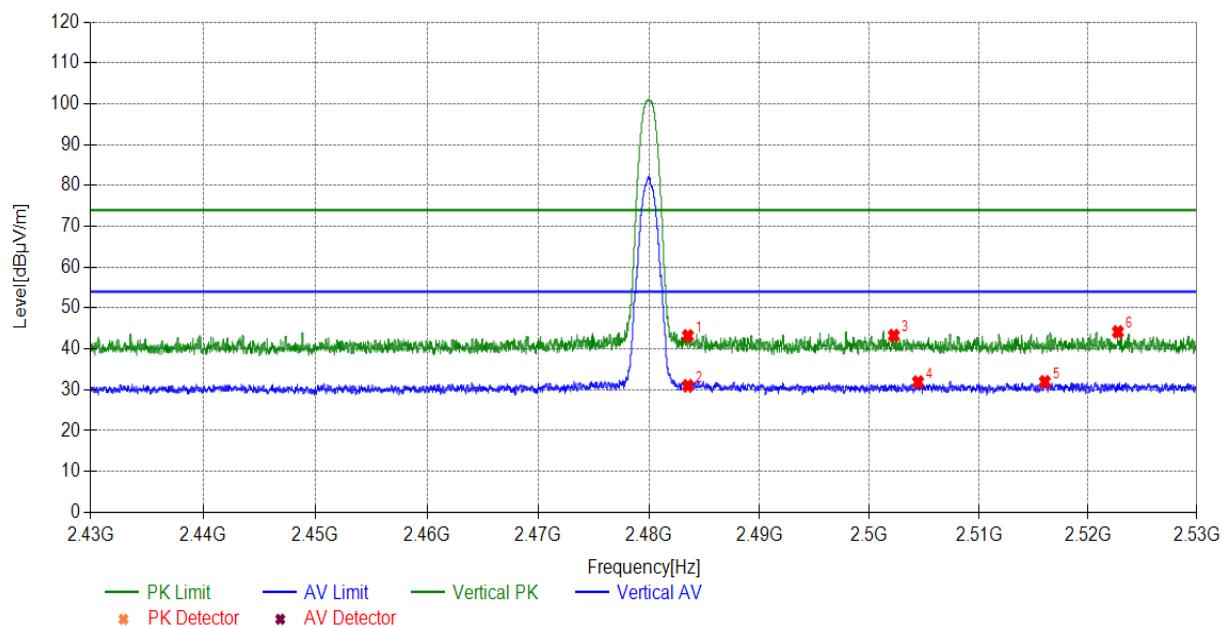
| Test mode | | BLE(1Mbps) | | | | | | | | |
|-----------------------|----------|-------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | LOW channel | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 2356.94 | Vertical | 29.55 | 13.83 | 43.38 | 74.00 | 30.62 | PK | 100 | 30 | PASS |
| 2377.93 | Vertical | 29.61 | 13.91 | 43.52 | 74.00 | 30.48 | PK | 100 | 20 | PASS |
| 2400.00 | Vertical | 29.67 | 12.32 | 41.99 | 74.00 | 32.01 | PK | 100 | 20 | PASS |
| 2357.68 | Vertical | 29.55 | 1.54 | 31.09 | 54.00 | 22.91 | AV | 100 | 20 | PASS |
| 2380.78 | Vertical | 29.62 | 1.58 | 31.20 | 54.00 | 22.80 | AV | 100 | 20 | PASS |
| 2400.00 | Vertical | 29.67 | 1.62 | 31.29 | 54.00 | 22.71 | AV | 100 | 20 | PASS |



| Test mode | | BLE(1Mbps) | | | | | | | | |
|-----------------------|----------|--------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | HIGH channel | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 2483.50 | Horizont | 29.91 | 12.50 | 42.41 | 74.00 | 31.59 | PK | 100 | 30 | PASS |
| 2505.78 | Horizont | 29.98 | 13.60 | 43.58 | 74.00 | 30.42 | PK | 100 | 50 | PASS |
| 2512.82 | Horizont | 30.01 | 13.86 | 43.87 | 74.00 | 30.13 | PK | 100 | 20 | PASS |
| 2483.50 | Horizont | 29.91 | 1.41 | 31.32 | 54.00 | 22.68 | AV | 100 | 40 | PASS |
| 2506.52 | Horizont | 29.99 | 1.57 | 31.56 | 54.00 | 22.44 | AV | 100 | 30 | PASS |
| 2513.64 | Horizont | 30.02 | 1.63 | 31.65 | 54.00 | 22.35 | AV | 100 | 20 | PASS |



| Test mode | | BLE(1Mbps) | | | | | | | | |
|-----------------------|----------|--------------|------------------------|----------------------|----------------------|-------------|-----------|-------------|-----------|-----------|
| Test channel | | HIGH channel | | | | | | | | |
| Suspected List | | | | | | | | | | |
| Frequency [MHz] | Polarity | Factor [dB] | Reading [dB μ V/m] | Level [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] | Detect or | Height [cm] | Angle deg | Pass/Fail |
| 2522.74 | Vertical | 30.05 | 14.14 | 44.19 | 74.00 | 29.81 | PK | 100 | 20 | PASS |
| 2483.50 | Vertical | 29.91 | 13.28 | 43.19 | 74.00 | 30.81 | PK | 100 | 20 | PASS |
| 2502.22 | Vertical | 29.97 | 13.30 | 43.27 | 74.00 | 30.73 | PK | 100 | 20 | PASS |
| 2504.43 | Vertical | 29.98 | 1.93 | 31.91 | 54.00 | 22.09 | AV | 100 | 10 | PASS |
| 2516.03 | Vertical | 30.03 | 1.93 | 31.96 | 54.00 | 22.04 | AV | 100 | 10 | PASS |
| 2483.50 | Vertical | 29.91 | 1.08 | 30.99 | 54.00 | 23.01 | AV | 100 | 10 | PASS |



5.2 Maximum conducted output power

Ambient condition:

| Temperature | Relative humidity | Pressure |
|-------------|-------------------|----------|
| 23°C ~25°C | 45%~50% | 101.5kPa |

Method of Measurement:

The EUT was tested according to DTS test procedure of ANSI C63.10 for compliance to FCC 47CFR 15.247 requirements. The maximum conducted output power using ANSI C63.10 section 11.9.2.3 AVGPM Average power meter method.

1. Power meter and sensor's minimum video bandwidth is 50MHz, larger than 802.11n(40MHz) bandwidth;
2. Fast responding diode sensors respond immediately to changes in power level to reduce total test time.
3. Use average detector to test.

During the process of the testing, The EUT was connected to Spectrum Analyzer with a known loss. The EUT is max power transmission with proper modulation. The Average detector is used. We use Maximum Average Conducted Output Power Level Method AVGSA-2 in KDB 558074 D01 /KDB662911 D01 for this test.

The conducted Power is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

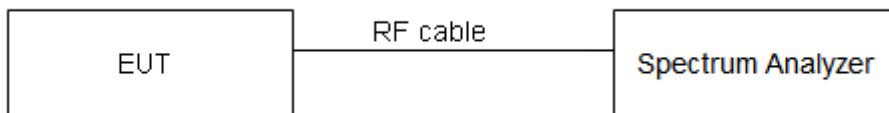
Limits:

| Average Output Power | $\leq 1W$ (30dBm) |
|----------------------|-------------------|
|----------------------|-------------------|

Note: the conducted output power limit specified above is based on the use the antennas with directional gains that do not exceed 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated Levels above, as appropriate, by the amount in dB that the directional gain of antenna exceeds 6 dBi.

Systems operating in the 2400-2483.5 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Test Setup:



Measurement Uncertainty:

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.44$ dB.

Test Results:

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|---------|-------------|------------|---------|
| 11B | Ant1 | 2412 | 13.79 | <=30 | PASS |
| | Ant2 | 2412 | 13.91 | <=30 | PASS |
| | Ant1 | 2437 | 17.00 | <=30 | PASS |
| | Ant2 | 2437 | 10.81 | <=30 | PASS |
| | Ant1 | 2462 | 11.07 | <=30 | PASS |
| | Ant2 | 2462 | 14.00 | <=30 | PASS |
| 11G | Ant1 | 2412 | 11.21 | <=30 | PASS |
| | Ant2 | 2412 | 11.32 | <=30 | PASS |
| | Ant1 | 2437 | 14.30 | <=30 | PASS |
| | Ant2 | 2437 | 12.50 | <=30 | PASS |
| | Ant1 | 2462 | 12.56 | <=30 | PASS |
| | Ant2 | 2462 | 15.50 | <=30 | PASS |
| 11N20SISO | Ant1 | 2412 | 12.32 | <=30 | PASS |
| | Ant2 | 2412 | 12.48 | <=30 | PASS |
| | Ant1 | 2437 | 15.40 | <=30 | PASS |
| | Ant2 | 2437 | 14.07 | <=30 | PASS |
| | Ant1 | 2462 | 13.84 | <=30 | PASS |
| | Ant2 | 2462 | 13.61 | <=30 | PASS |
| 11N40SISO | Ant1 | 2422 | 13.92 | <=30 | PASS |
| | Ant2 | 2422 | 14.75 | <=30 | PASS |
| | Ant1 | 2437 | 13.90 | <=30 | PASS |
| | Ant2 | 2437 | 13.93 | <=30 | PASS |
| | Ant1 | 2452 | 12.81 | <=30 | PASS |
| | Ant2 | 2452 | 13.63 | <=30 | PASS |
| 11AX20SISO | Ant1 | 2412 | 12.70 | <=30 | PASS |
| | Ant2 | 2412 | 14.60 | <=30 | PASS |
| | Ant1 | 2437 | 12.47 | <=30 | PASS |
| | Ant2 | 2437 | 13.84 | <=30 | PASS |
| | Ant1 | 2462 | 13.20 | <=30 | PASS |
| | Ant2 | 2462 | 13.93 | <=30 | PASS |
| 11AX40SISO | Ant1 | 2422 | 12.94 | <=30 | PASS |
| | Ant2 | 2422 | 14.90 | <=30 | PASS |
| | Ant1 | 2437 | 12.96 | <=30 | PASS |
| | Ant2 | 2437 | 12.89 | <=30 | PASS |
| | Ant1 | 2452 | 12.79 | <=30 | PASS |
| | Ant2 | 2452 | 12.40 | <=30 | PASS |

| | | | | | |
|------------|-------|------|-------|------|------|
| 11N20MIMO | Ant1 | 2412 | 13.79 | <=30 | PASS |
| | Ant2 | 2412 | 13.91 | <=30 | PASS |
| | total | 2412 | 17.00 | <=30 | PASS |
| | Ant1 | 2437 | 10.81 | <=30 | PASS |
| | Ant2 | 2437 | 11.07 | <=30 | PASS |
| | total | 2437 | 14.00 | <=30 | PASS |
| | Ant1 | 2462 | 11.21 | <=30 | PASS |
| | Ant2 | 2462 | 11.32 | <=30 | PASS |
| | total | 2462 | 14.30 | <=30 | PASS |
| | | | | | |
| 11N40MIMO | Ant1 | 2422 | 12.50 | <=30 | PASS |
| | Ant2 | 2422 | 12.56 | <=30 | PASS |
| | total | 2422 | 15.50 | <=30 | PASS |
| | Ant1 | 2437 | 12.32 | <=30 | PASS |
| | Ant2 | 2437 | 12.48 | <=30 | PASS |
| | total | 2437 | 15.40 | <=30 | PASS |
| | Ant1 | 2452 | 12.62 | <=30 | PASS |
| | Ant2 | 2452 | 12.49 | <=30 | PASS |
| | total | 2452 | 16.60 | <=30 | PASS |
| | | | | | |
| 11AX20MIMO | Ant1 | 2412 | 13.96 | <=30 | PASS |
| | Ant2 | 2412 | 14.10 | <=30 | PASS |
| | total | 2412 | 17.00 | <=30 | PASS |
| | Ant1 | 2437 | 14.1 | <=30 | PASS |
| | Ant2 | 2437 | 14.03 | <=30 | PASS |
| | total | 2437 | 17.10 | <=30 | PASS |
| | Ant1 | 2462 | 14.27 | <=30 | PASS |
| | Ant2 | 2462 | 13.81 | <=30 | PASS |
| | total | 2462 | 17.10 | <=30 | PASS |
| | | | | | |
| 11AX40MIMO | Ant1 | 2422 | 13.92 | <=30 | PASS |
| | Ant2 | 2422 | 14.06 | <=30 | PASS |
| | total | 2422 | 17.00 | <=30 | PASS |
| | Ant1 | 2437 | 14.02 | <=30 | PASS |
| | Ant2 | 2437 | 14.06 | <=30 | PASS |
| | total | 2437 | 17.10 | <=30 | PASS |
| | Ant1 | 2452 | 14.07 | <=30 | PASS |
| | Ant2 | 2452 | 13.74 | <=30 | PASS |
| | total | 2452 | 16.90 | <=30 | PASS |
| | | | | | |

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| BLE_1M | Ant1 | 2402 | 13.10 | <=30 | PASS |
| | | 2440 | 12.82 | <=30 | PASS |
| | | 2480 | 12.95 | <=30 | PASS |
| BLE_2M | Ant1 | 2402 | 15.66 | <=30 | PASS |
| | | 2440 | 13.83 | <=30 | PASS |
| | | 2480 | 14.87 | <=30 | PASS |
| BLE_1M | Ant2 | 2402 | 13.07 | <=30 | PASS |
| | | 2440 | 13.30 | <=30 | PASS |
| | | 2480 | 12.92 | <=30 | PASS |
| BLE_2M | Ant2 | 2402 | 15.92 | <=30 | PASS |
| | | 2440 | 13.74 | <=30 | PASS |
| | | 2480 | 14.88 | <=30 | PASS |

6. Appendix E

| Test Equipment | Type/Mode | SERIAL NO. | Equipment No. | Manufacturer | Cal. Due |
|---------------------------|--|-------------|---------------|--------------|------------|
| 3m Semi-Anechoic Chamber | FACT-4 | ST08035 | WKNA-0024 | ETS | 2024-12-12 |
| Semi-Anechoic Chamber(5m) | SAC-5 | SAC-5-2.0 | EM-000557 | COMTEST | 2024-11-02 |
| Spectrum Analyzer | N9010B | MY57470323 | DZ-000174 | KEYSIGHT | 2023-03-02 |
| EMI Test Receiver | N9038A-508 | MY532290079 | EM-000397 | Agilent | 2023-03-02 |
| EMI Test Receiver | ESR7 | 102235 | VGDY-0956 | R&S | 2023-03-03 |
| Broadband Antenna | VULB 9163 | 9163-530 | EM-000342 | SCHWARZBECK | 2023-06-26 |
| Waveguide Horn Antenna | HF906 | 360306/008 | WKNA-0024-8 | R&S | 2023-03-04 |
| Waveguide Horn Antenna | BBHA9170 | 00949 | EM-000383 | SCHWARZBECK | 2022-08-27 |
| Loop Antenna | HLA 6121 | 540046 | EM-000546 | TESEQ | 2023-06-07 |
| Loop Antenna | FMZB1513 | 1513-170 | EM-000384 | SCHWARZBECK | 2023-03-04 |
| Broadband Antenna(5m) | VULB 9163 | 9163-676 | EM-000382 | SCHWARZBECK | 2023-05-06 |
| Bandstop Filters | SW-BSF-2400-100 -7-A1 | / | EM-000495 | / | 2022-08-31 |
| 5G Bandstop Filters | WRCJV12-4900-5 100-5900-6100-5 OEE | 1 | DZ-000186 | WI | 2022-12-20 |
| Spectrum Analyzer | FSV40 | 101580 | DZ-000238-3 | R&S | 2023-06-05 |
| RF Radio Frequency Switch | JS0806-2 | 19H9080187 | / | Tonscend | 2023-06-06 |

The End