

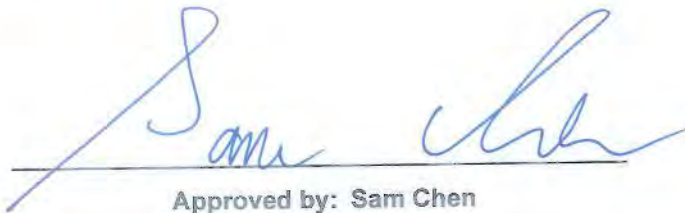


RADIO TEST REPORT

FCC ID : 2AXJ4X60V3
Equipment : AX4300 Whole Home Mesh Wi-Fi 6 System
Brand Name : tp-link
Model Name : Deco X4300 Pro
Applicant : TP-Link Corporation Limited
Room 901, 9/F. , New East Ocean Centre, 9 Science
Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Manufacturer : TP-Link Corporation Limited
Room 901, 9/F. , New East Ocean Centre, 9 Science
Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong
Standard : 47 CFR FCC Part 15.247

The product was received on Apr. 21, 2022, and testing was started from Apr. 23, 2022 and completed on May 23, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



Table of Contents

History of this test report.....3

Summary of Test Result.....4

1 General Description5

1.1 Information.....5

1.2 Applicable Standards7

1.3 Testing Location Information.....7

1.4 Measurement Uncertainty7

1.5 The Worst Case Measurement Configuration.....8

1.6 EUT Operation during Test8

1.7 Accessories8

1.8 Support Equipment.....9

1.9 Test Setup Diagram10

2 Transmitter Test Result12

2.1 Emissions in Restricted Frequency Bands.....12

3 Test Equipment and Calibration Data16

Appendix A. Test Results of Emissions in Restricted Frequency Bands

Appendix B. Test Photos

Photographs of EUT v01



Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|-----------------|---|--------------------|--------|
| 1.1.2 | 15.203 | Antenna Requirement | PASS | - |
| 2.1 | 15.247(d) | Emissions in Restricted Frequency Bands | PASS | - |

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: **Sam Chen**

Report Producer: **Penny Kao**



1 General Description

1.1 Information

1.1.1 RF General Information

| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Frequency (MHz) | Channel Number |
|-----------------------|-----------------------------------|---------------------|----------------|
| 2400-2483.5 | b, g, n (HT20), VHT20, ax (HEW20) | 2412-2462 | 1-11 [11] |
| 2400-2483.5 | n (HT40), VHT40, ax (HEW40) | 2422-2452 | 3-9 [7] |

| Band | Mode | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 2.4-2.4835GHz | 802.11b | 20 | 2TX |
| 2.4-2.4835GHz | 802.11g | 20 | 2TX |
| 2.4-2.4835GHz | 802.11n HT20 | 20 | 2TX |
| 2.4-2.4835GHz | VHT20 | 20 | 2TX |
| 2.4-2.4835GHz | 802.11ax HEW20 | 20 | 2TX |
| 2.4-2.4835GHz | 802.11n HT40 | 40 | 2TX |
| 2.4-2.4835GHz | VHT40 | 40 | 2TX |
| 2.4-2.4835GHz | 802.11ax HEW40 | 40 | 2TX |

Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

| Ant. | Port | | Brand | Model Name | Type | Connector | Gain (dBi) | |
|------|--------|------|---------|------------|------|-----------|------------|------|
| | 2.4GHz | 5GHz | | | | | 2.4GHz | 5GHz |
| 1 | 1 | 2 | TP-Link | 3101502756 | PCB | I-PEX | 1.93 | 0.90 |
| 2 | 2 | 1 | TP-Link | 3101502757 | PCB | I-PEX | 1.94 | 0.97 |
| 3 | - | 4 | TP-Link | 3101503632 | PCB | I-PEX | - | 0.97 |
| 4 | - | 3 | TP-Link | 3101503633 | PCB | I-PEX | - | 0.88 |

Note 1: The above information was declared by manufacturer.

Note 2:

For WLAN 2.4GHz, 11b/g/n/ax/VHT mode (2TX/2RX):

Port 1 and Port 2 could transmit/receive simultaneously.

For WLAN 5GHz, 11a/n/ac/ax mode (4TX/4RX):

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.



1.1.3 EUT Operational Condition

| | | | |
|------------------------------|---|---|--|
| EUT Power Type | From power adapter | | |
| Beamforming Function | <input type="checkbox"/> With beamforming | <input checked="" type="checkbox"/> Without beamforming | |
| Function | <input checked="" type="checkbox"/> Point-to-multipoint | <input type="checkbox"/> Point-to-point | |
| Test Software Version | QPST[v2.7] · QSPR (version 5.0-00196) | | |

Note: The above information was declared by manufacturer.

1.1.4 Table for EUT Supports Functions

| Function |
|-----------|
| AP Router |
| Mesh |

Note: After evaluating, there is only AP Router mode was selected to test and record in the report.

1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR122333AA.

Below is the table for the change of the product with respect to the original one.

| Modifications | Performance Checking |
|--|--|
| 1. Adding LAN 3 (2.5Gbps) port via changing RJ-45 interface and switching chip. (a.) Add PHY chip RTL8221B-CG(located U70) (b.) Move RJ-45 and signal transformer from motherboard to daughter board (c.) Motherboard and daughter board connected by row pins(JC1 and JC2) | Emissions in Restricted Frequency Band |
| 2. Changing Model Name to “Deco X4300 Pro” from “Deco X60, Deco W6000”. 3. Changing Equipment Name to “AX4300 Whole Home Mesh Wi-Fi 6 System” from “AX3000 Whole Home Mesh Wi-Fi 6 System”. | After evaluating, it doesn't affect the test result of this test report. |



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

| Testing Location Information | |
|---|--|
| Test Lab. : Sporton International Inc. Hsinchu Laboratory | |
| Hsinchu | ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) |
| (TAF: 3787) | TEL: 886-3-656-9065 FAX: 886-3-656-9085 |
| | Test site Designation No. TW3787 with FCC. |
| | Test site registered number IC 4086D with Industry Canada. |

| Test Condition | Test Site No. | Test Engineer | Test Environment (°C / %) | Test Date |
|---------------------|---------------|---------------|---------------------------|---------------|
| Radiated Below 1GHz | 03CH05-CB | Eason Chen | 23.8-24.9 / 55-58 | Apr. 23, 2022 |
| Radiated Above 1GHz | 03CH02-CB | RJ Huang | 24.2-26.1 / 55-58 | May 23, 2022 |

1.4 Measurement Uncertainty

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

| Test Items | Uncertainty | Remark |
|--------------------------------------|-------------|--------------------------|
| Radiated Emission (9kHz ~ 30MHz) | 4.2 dB | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 5.5 dB | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz) | 4.7 dB | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz) | 4.2 dB | Confidence levels of 95% |



1.5 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests | |
|---|---|
| Tests Item | Emissions in Restricted Frequency Bands |
| Test Condition | Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |
| Operating Mode < 1GHz | Normal Link |
| 1 | AP Router mode-EUT + Adapter |
| Operating Mode > 1GHz | CTX |
| 1 | EUT |

Note: The EUT can only be used at Y axis position.

1.6 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

1.7 Accessories

| Accessories | | | | |
|-------------|----------------|------------|-------------|---|
| No. | Equipment Name | Brand Name | Model Name | Rating |
| 1 | Adapter | TP-Link | T120200-2B4 | Input: 100-240V~ 50/60Hz, 0.8A Output: 12V, 2A |



1.8 Support Equipment

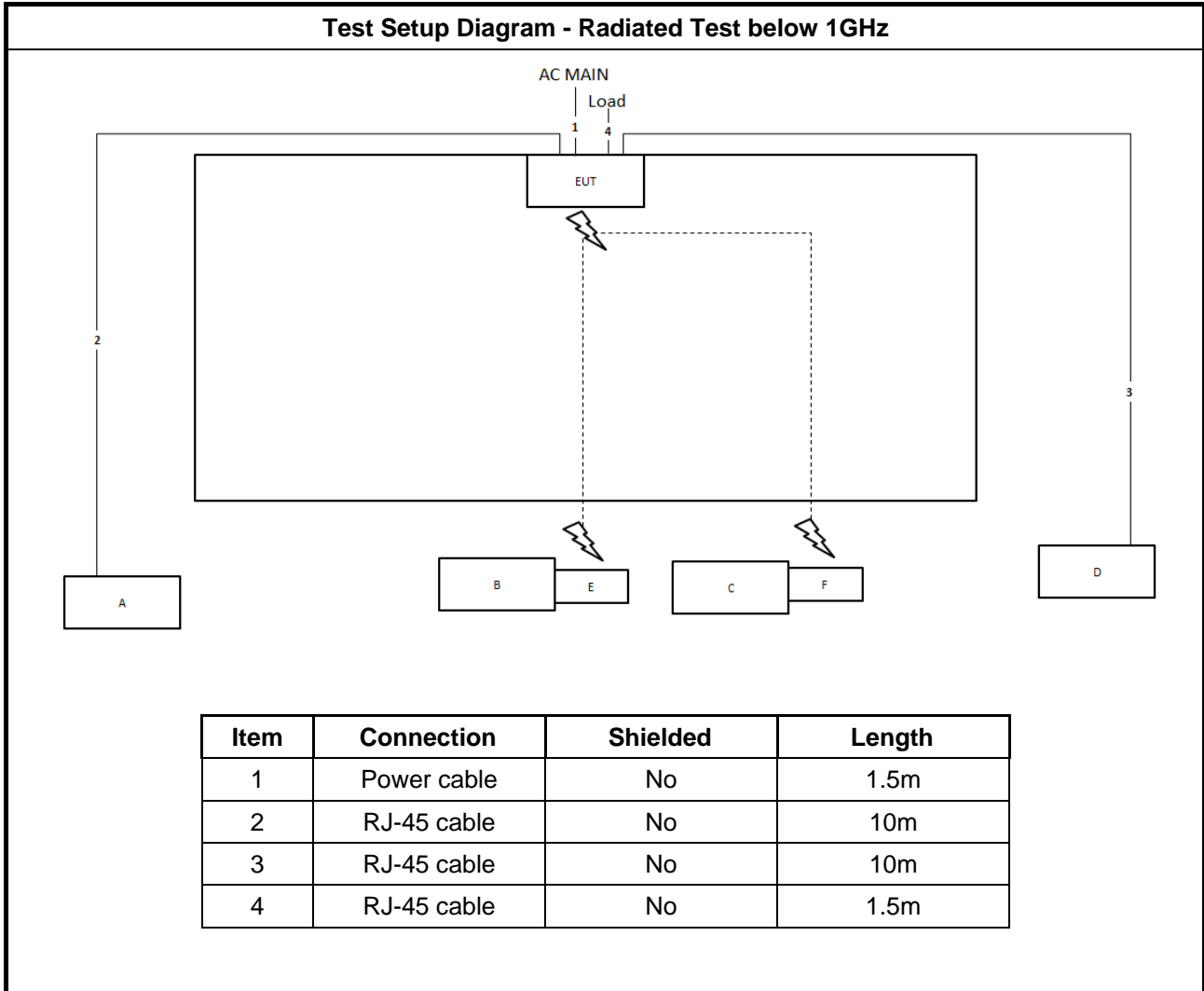
For Radiated (below 1GHz):

| Support Equipment | | | | |
|-------------------|--------------------|------------|------------|-------------|
| No. | Equipment | Brand Name | Model Name | FCC ID |
| A | LAN Notebook | DELL | E4300 | N/A |
| B | WiFi 2.4G Notebook | DELL | E4300 | N/A |
| C | WiFi 5G Notebook | DELL | E4300 | N/A |
| D | WLAN AP | D-LINK | DIR860L | KA2IR860LA1 |
| E | WLAN module | Intel | AX210NGW | PD9AX210NG |
| F | WLAN module | Intel | AX210NGW | PD9AX210NG |

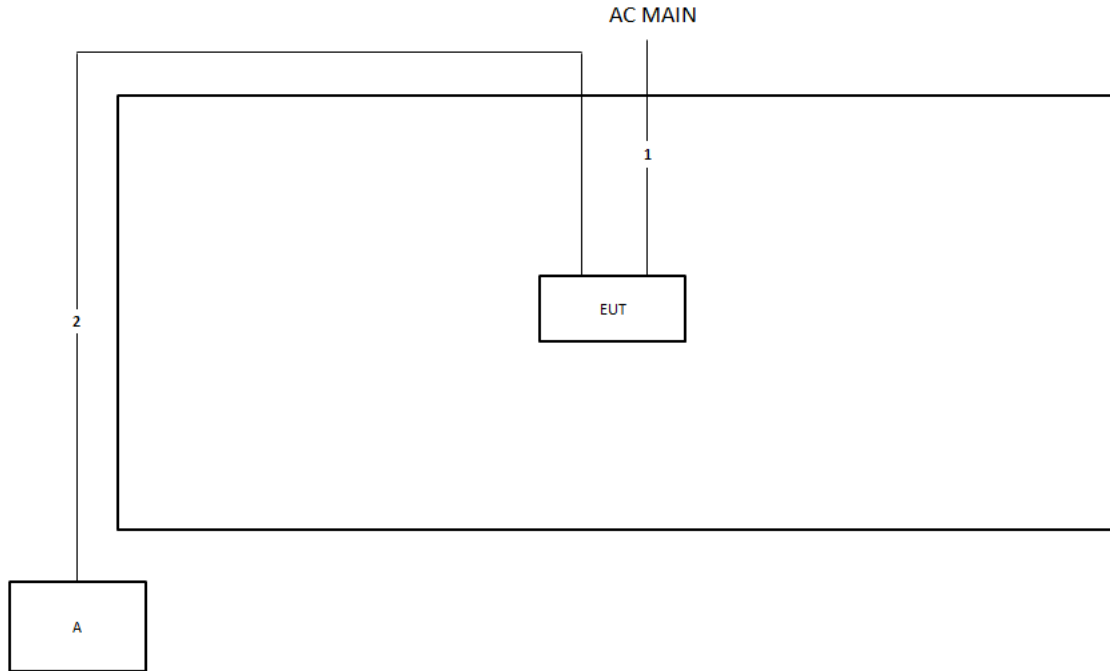
For Radiated (above 1GHz):

| Support Equipment | | | | |
|-------------------|-----------|------------|------------|--------|
| No. | Equipment | Brand Name | Model Name | FCC ID |
| A | Notebook | DELL | E4300 | N/A |

1.9 Test Setup Diagram



Test Setup Diagram - Radiated Test above 1GHz



| Item | Connection | Shielded | Length |
|------|-------------|----------|--------|
| 1 | Power cable | No | 1.5m |
| 2 | RJ-45 cable | No | 10m |



2 Transmitter Test Result

2.1 Emissions in Restricted Frequency Bands

2.1.1 Emissions in Restricted Frequency Bands Limit

| Restricted Band Emissions Limit | | | |
|---------------------------------|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz) | Field Strength (uV/m) | Field Strength (dBuV/m) | Measure Distance (m) |
| 0.009~0.490 | 2400/F(kHz) | 48.5 - 13.8 | 300 |
| 0.490~1.705 | 24000/F(kHz) | 33.8 - 23 | 30 |
| 1.705~30.0 | 30 | 29 | 30 |
| 30~88 | 100 | 40 | 3 |
| 88~216 | 150 | 43.5 | 3 |
| 216~960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

2.1.2 Measuring Instruments

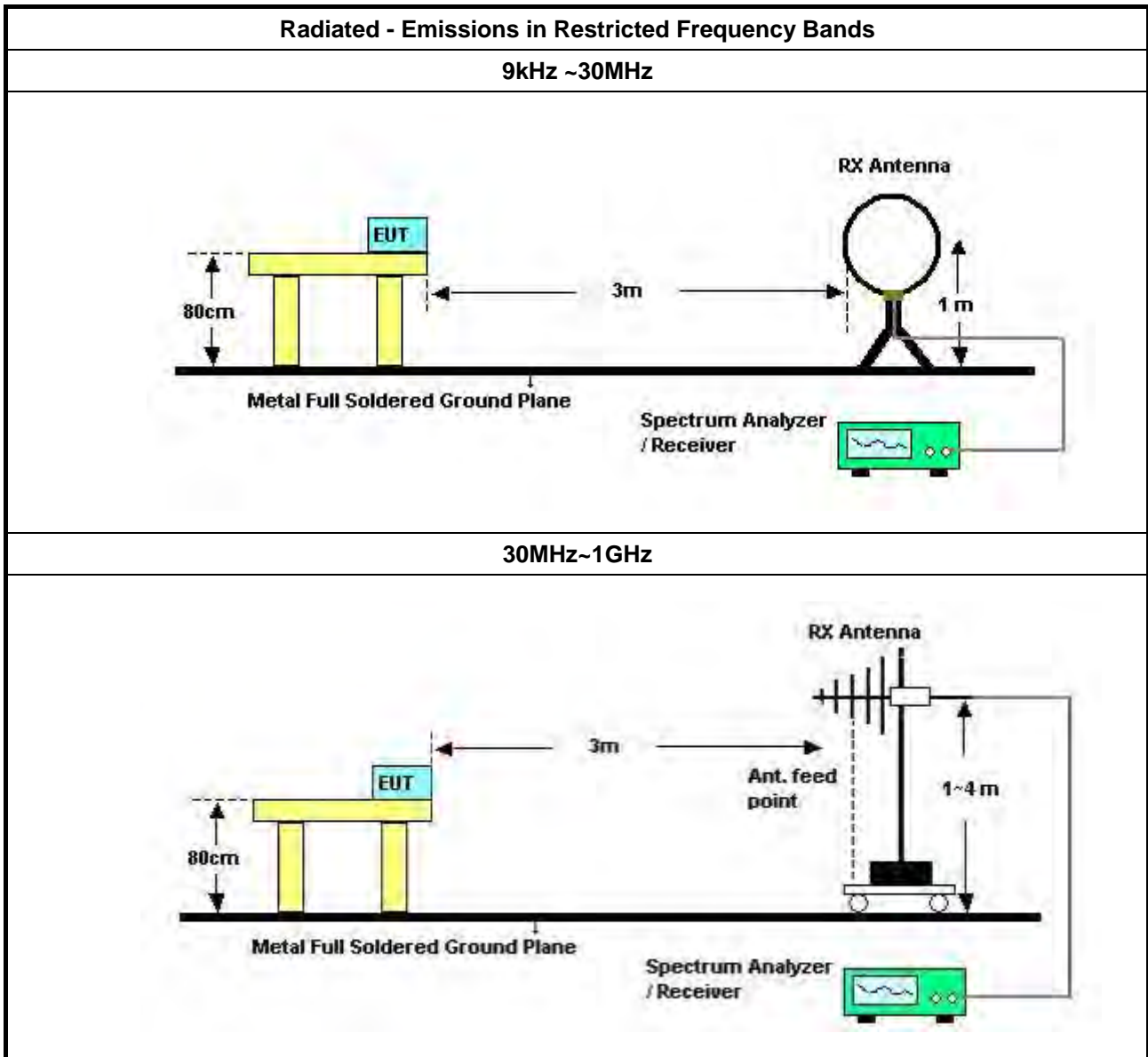
Refer a test equipment and calibration data table in this test report.

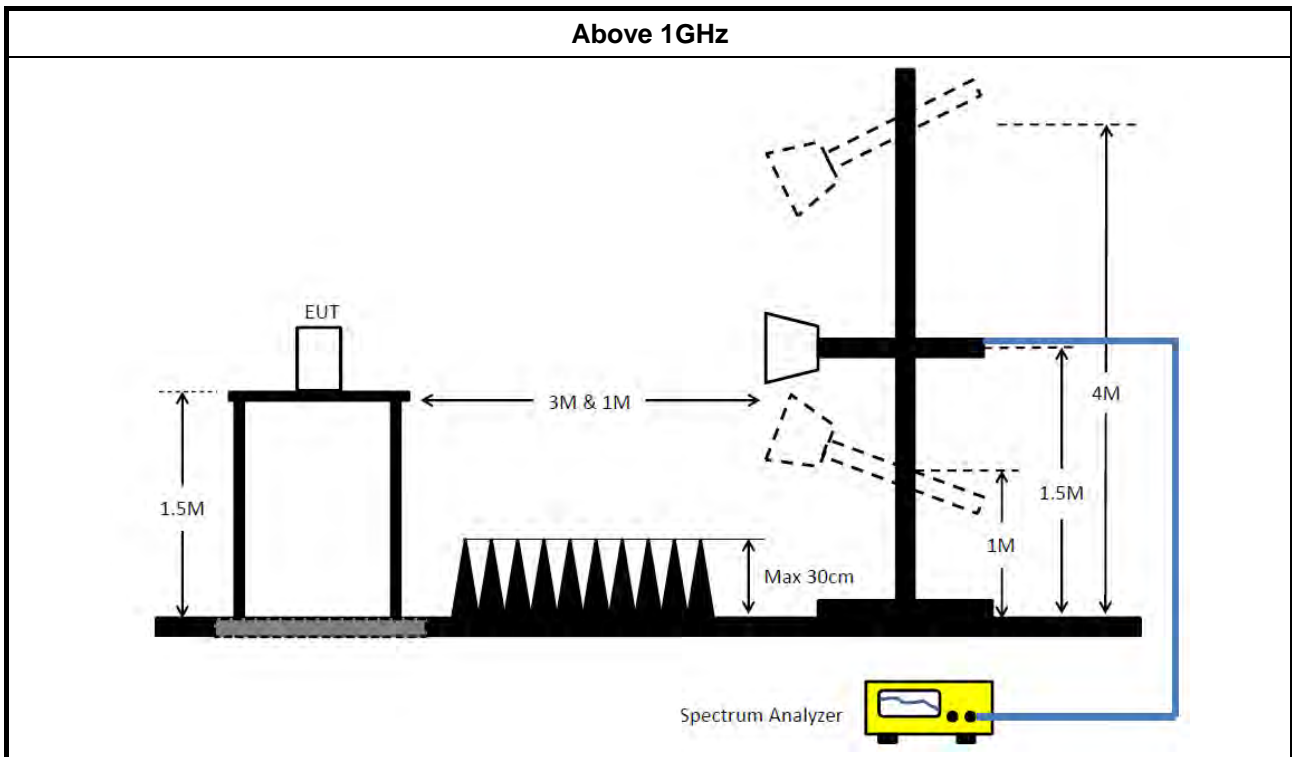


2.1.3 Test Procedures

| Test Method | |
|---|--|
| <ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. | |
| <ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. | |
| <ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: | |
| | <ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands. |
| <input type="checkbox"/> | Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle \geq 98%). |
| <input type="checkbox"/> | Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor). |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW \geq 1/T). |
| <input type="checkbox"/> | Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time. |
| <input type="checkbox"/> | Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions. |
| <input checked="" type="checkbox"/> | Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit. |
| <ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: | |
| | <ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below. |
| | <ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements. |
| | <ul style="list-style-type: none"> ▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz). |
| | <ul style="list-style-type: none"> ▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB |
| | <ul style="list-style-type: none"> ▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. |

2.1.4 Test Setup





2.1.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

2.1.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

2.1.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix A



3 Test Equipment and Calibration Data

| Instrument | Brand | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date | Remark |
|-----------------------------------|--------------|--------------------|------------------|-----------------|------------------|----------------------|-----------------------|
| Loop Antenna | Teseq | HLA 6120 | 31244 | 9kHz - 30 MHz | Mar. 18, 2022 | Mar. 17, 2023 | Radiation (03CH05-CB) |
| 3m Semi Anechoic Chamber NSA | TDK | SAC-3M | 03CH05-CB | 30 MHz ~ 1 GHz | Aug. 09, 2021 | Aug. 08, 2022 | Radiation (03CH05-CB) |
| Bilog Antenna with 6dB Attenuator | TESEQ & EMCI | CBL 6112D & N-6-06 | 35236 & AT-N0610 | 30MHz ~ 2GHz | Mar. 25, 2022 | Mar. 24, 2023 | Radiation (03CH05-CB) |
| Pre-Amplifier | EMCI | EMC330N | 980331 | 20MHz ~ 3GHz | Apr. 27, 2021 | Apr. 26, 2022 | Radiation (03CH05-CB) |
| Spectrum Analyzer | R&S | FSP40 | 100304 | 9kHz ~ 40GHz | Mar. 14, 2022 | Mar. 13, 2023 | Radiation (03CH05-CB) |
| EMI Test Receiver | R&S | ESCS | 826547/017 | 9kHz ~ 2.75GHz | Jun. 21, 2021 | Jun. 20, 2022 | Radiation (03CH05-CB) |
| RF Cable-low | Woken | RG402 | Low Cable-04+23 | 30MHz~1GHz | Oct. 13, 2021 | Oct. 12, 2022 | Radiation (03CH05-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH05-CB) |
| 3m Semi Anechoic Chamber VSWR | RIKEN | SAC-3M | 03CH02-CB | 1GHz ~18GHz | Mar. 26, 2022 | Mar. 25, 2023 | Radiation (03CH02-CB) |
| Horn Antenna | EMCO | 3115 | 9610-4976 | 1GHz ~ 18GHz | Apr. 19, 2022 | Apr. 18, 2023 | Radiation (03CH02-CB) |
| Horn Antenna | Schwarzbeck | BBHA 9170 | BBHA9170252 | 15GHz ~ 40GHz | Aug. 05, 2021 | Aug. 04, 2022 | Radiation (03CH02-CB) |
| Pre-Amplifier | Agilent | 83017A | MY39501305 | 1GHz ~ 26.5GHz | Jul. 12, 2021 | Jul. 11, 2022 | Radiation (03CH02-CB) |
| Spectrum analyzer | R&S | FSU | 100015 | 9kHz~26GHz | Oct. 25, 2021 | Oct. 24, 2022 | Radiation (03CH02-CB) |
| RF Cable-high | Woken | RG402 | High Cable-18 | 1GHz ~ 18GHz | Oct. 04, 2021 | Oct. 03, 2022 | Radiation (03CH02-CB) |
| RF Cable-high | Woken | RG402 | High Cable-18+19 | 1GHz ~ 18GHz | Oct. 04, 2021 | Oct. 03, 2022 | Radiation (03CH02-CB) |
| High Cable | Woken | WCA0929M | 40G#5+7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH02-CB) |
| High Cable | Woken | WCA0929M | 40G#5 | 1GHz ~ 40 GHz | Dec. 08, 2021 | Dec. 07, 2022 | Radiation (03CH02-CB) |
| High Cable | Woken | WCA0929M | 40G#7 | 1GHz ~ 40 GHz | Dec. 14, 2021 | Dec. 13, 2022 | Radiation (03CH02-CB) |
| Test Software | SPORTON | SENSE | V5.10 | - | N.C.R. | N.C.R. | Radiation (03CH02-CB) |

Note: Calibration Interval of instruments listed above is one year.

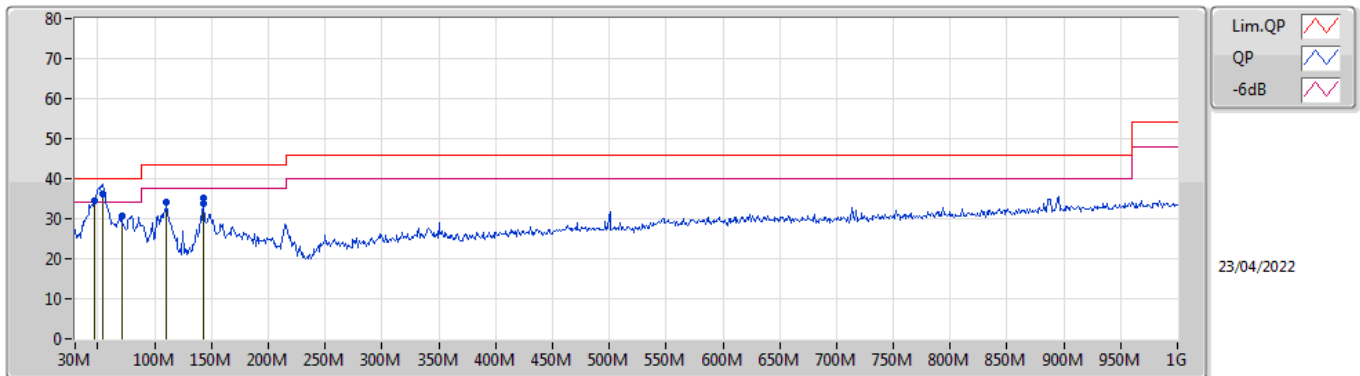
N.C.R. means Non-Calibration required.



Summary

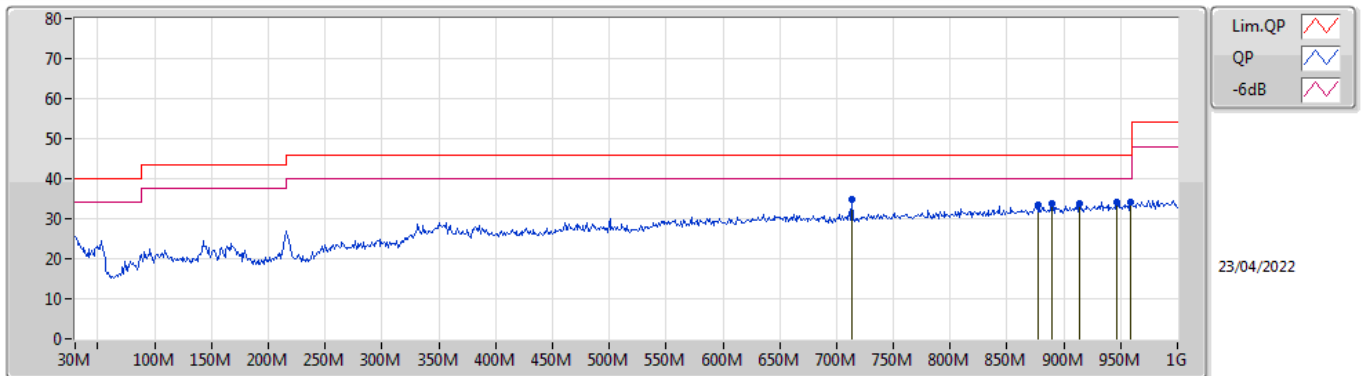
| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Condition |
|--------|--------|------|-----------|----------------|----------------|-------------|-----------|
| Mode 1 | Pass | QP | 54.25M | 36.11 | 40.00 | -3.89 | Vertical |

Mode 1



| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB/m) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | Raw (dBuV/m) | AF (dB/m) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|---------------|----------|-----------|-------------|------------|---------|--------------|-----------|---------|---------|
| PK | 47.46M | 34.47 | 40.00 | -5.53 | -15.78 | 3 | Vertical | 359 | 1.25 | - | 50.25 | 14.91 | 1.05 | 31.74 |
| QP | 54.25M | 36.11 | 40.00 | -3.89 | -17.89 | 3 | Vertical | 283 | 1.00 | "Worst" | 54.00 | 12.81 | 1.10 | 31.80 |
| PK | 70.74M | 30.85 | 40.00 | -9.15 | -18.43 | 3 | Vertical | 102 | 2.00 | - | 49.28 | 12.16 | 1.30 | 31.89 |
| PK | 110.51M | 34.07 | 43.50 | -9.43 | -12.75 | 3 | Vertical | 204 | 1.00 | - | 46.82 | 17.61 | 1.55 | 31.91 |
| PK | 142.52M | 35.34 | 43.50 | -8.16 | -13.40 | 3 | Vertical | 237 | 1.00 | - | 48.74 | 16.73 | 1.83 | 31.96 |
| PK | 143.49M | 33.66 | 43.50 | -9.84 | -13.50 | 3 | Vertical | 269 | 1.00 | - | 47.16 | 16.63 | 1.83 | 31.96 |

Mode 1



| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB/m) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | Raw (dBuV/m) | AF (dB/m) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|---------------|----------|------------|-------------|------------|---------|--------------|-----------|---------|---------|
| PK | 713.85M | 34.89 | 46.00 | -11.11 | -3.48 | 3 | Horizontal | 196 | 1.25 | "Worst" | 38.37 | 24.63 | 4.56 | 32.67 |
| PK | 877.78M | 33.44 | 46.00 | -12.56 | -1.39 | 3 | Horizontal | 203 | 1.25 | - | 34.83 | 26.04 | 5.21 | 32.64 |
| PK | 889.42M | 33.73 | 46.00 | -12.27 | -1.25 | 3 | Horizontal | 175 | 1.50 | - | 34.98 | 26.14 | 5.26 | 32.65 |
| PK | 913.67M | 33.79 | 46.00 | -12.21 | -1.06 | 3 | Horizontal | 20 | 1.25 | - | 34.85 | 26.20 | 5.38 | 32.64 |
| PK | 946.65M | 34.27 | 46.00 | -11.73 | -0.56 | 3 | Horizontal | 325 | 3.00 | - | 34.83 | 26.44 | 5.58 | 32.58 |
| PK | 959.26M | 34.17 | 46.00 | -11.83 | -0.35 | 3 | Horizontal | 27 | 2.00 | - | 34.52 | 26.62 | 5.60 | 32.57 |

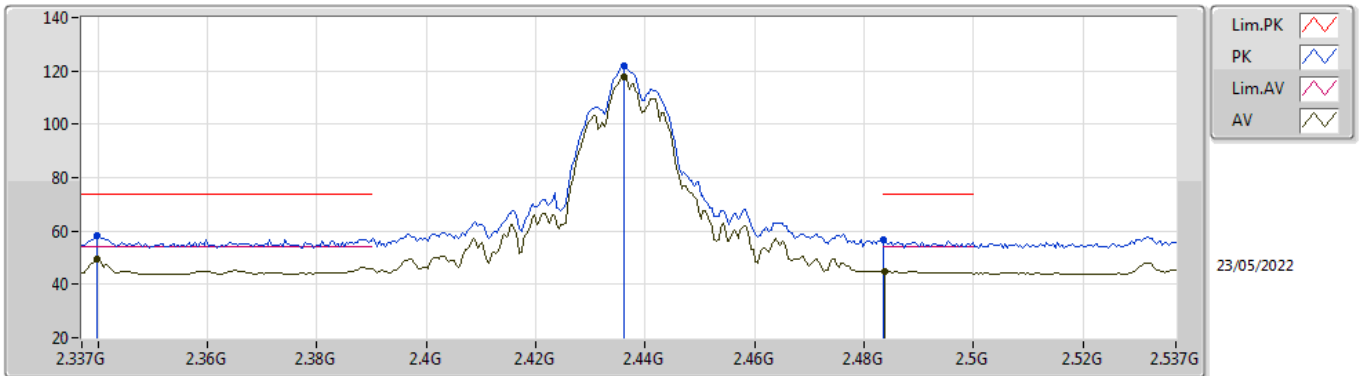


Summary

| Mode | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|--------------------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 2.4-2.4835GHz | - | - | - | - | - | - | - | - | - | - | - |
| 802.11b_Nss1,(1Mbps)_2TX | Pass | AV | 7.31012G | 50.92 | 54.00 | -3.08 | 3 | Horizontal | 8 | 2.06 | - |

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

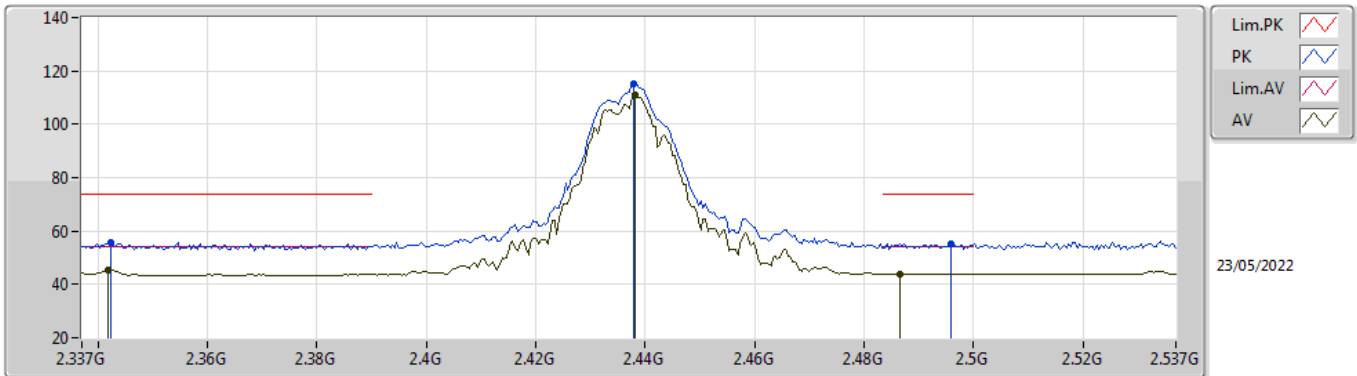


EUT_V_2TX
 Setting 27
 02-D-G-3

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 2.3398G | 58.32 | 74.00 | -15.68 | 27.29 | 3 | Vertical | 231 | 2.46 | - | 28.26 | 2.77 | - |
| AV | 2.3398G | 49.32 | 54.00 | -4.68 | 18.29 | 3 | Vertical | 231 | 2.46 | - | 28.26 | 2.77 | - |
| PK | 2.4362G | 121.69 | Inf | -Inf | 90.45 | 3 | Vertical | 231 | 2.46 | - | 28.40 | 2.84 | - |
| AV | 2.4362G | 117.61 | Inf | -Inf | 86.37 | 3 | Vertical | 231 | 2.46 | - | 28.40 | 2.84 | - |
| PK | 2.4835G | 56.77 | 74.00 | -17.23 | 25.36 | 3 | Vertical | 231 | 2.46 | - | 28.53 | 2.88 | - |
| AV | 2.4838G | 44.94 | 54.00 | -9.06 | 13.52 | 3 | Vertical | 231 | 2.46 | - | 28.54 | 2.88 | - |

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

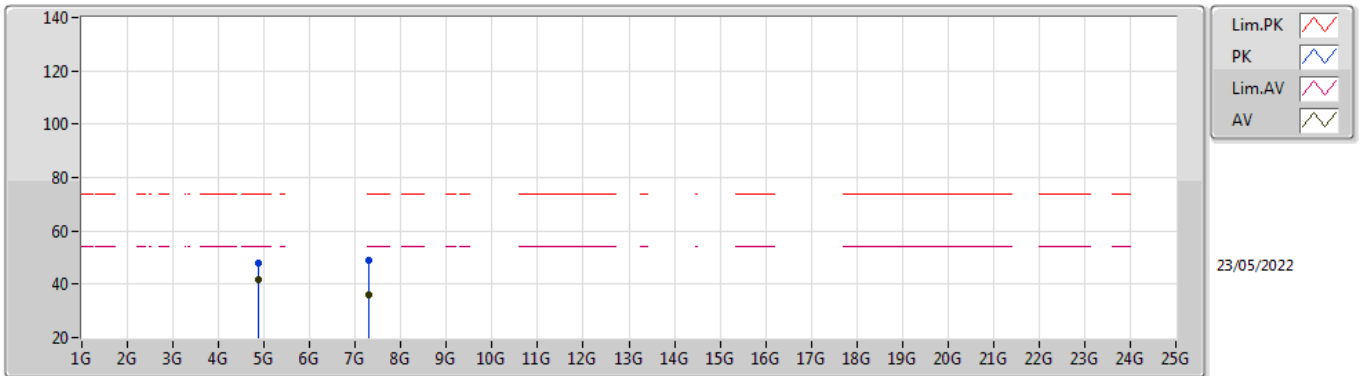


EUT_V_2TX
Setting 27
02-D-G-3

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 2.3422G | 55.66 | 74.00 | -18.34 | 24.62 | 3 | Horizontal | 360 | 2.34 | - | 28.27 | 2.77 | - |
| AV | 2.3418G | 45.35 | 54.00 | -8.65 | 14.31 | 3 | Horizontal | 360 | 2.34 | - | 28.27 | 2.77 | - |
| PK | 2.4378G | 115.24 | Inf | -Inf | 84.00 | 3 | Horizontal | 360 | 2.34 | - | 28.40 | 2.84 | - |
| AV | 2.4382G | 111.10 | Inf | -Inf | 79.86 | 3 | Horizontal | 360 | 2.34 | - | 28.40 | 2.84 | - |
| PK | 2.4958G | 55.19 | 74.00 | -18.81 | 23.71 | 3 | Horizontal | 360 | 2.34 | - | 28.58 | 2.90 | - |
| AV | 2.4866G | 43.91 | 54.00 | -10.09 | 12.47 | 3 | Horizontal | 360 | 2.34 | - | 28.55 | 2.89 | - |

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

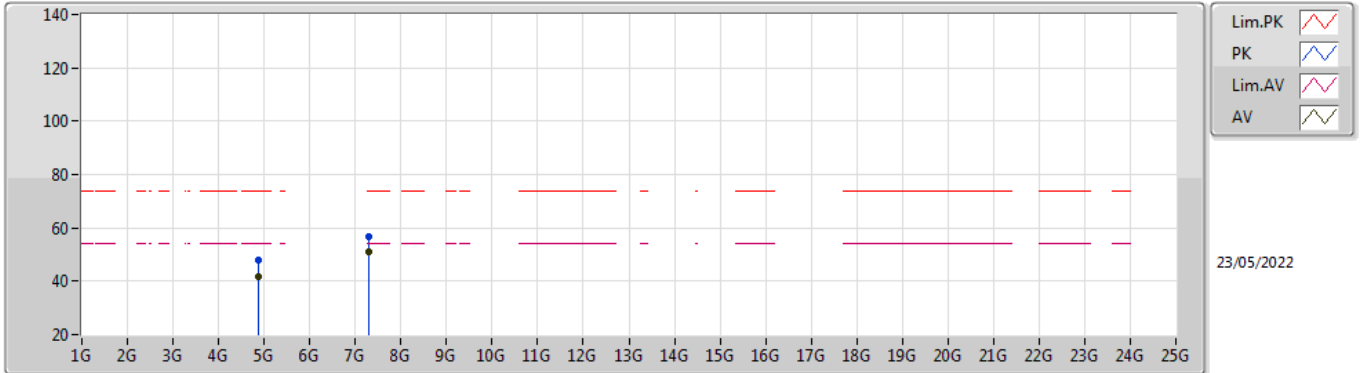


EUT Y_2TX
Setting 27
02-D-G-3

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|-----------|-------------|------------|---------|---------|---------|---------|
| PK | 4.874G | 48.02 | 74.00 | -25.98 | 41.98 | 3 | Vertical | 293 | 2.42 | - | 33.15 | 5.10 | 32.21 |
| AV | 4.874G | 41.65 | 54.00 | -12.35 | 35.61 | 3 | Vertical | 293 | 2.42 | - | 33.15 | 5.10 | 32.21 |
| PK | 7.30828G | 49.02 | 74.00 | -24.98 | 39.27 | 3 | Vertical | 252 | 1.22 | - | 36.42 | 6.15 | 32.82 |
| AV | 7.30916G | 36.10 | 54.00 | -17.90 | 26.35 | 3 | Vertical | 252 | 1.22 | - | 36.42 | 6.15 | 32.82 |

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX



EUT Y_2TX
Setting 27
02-D-G-3

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Raw (dBuV) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comment | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|------------|----------|------------|-------------|------------|---------|---------|---------|---------|
| PK | 4.87384G | 47.88 | 74.00 | -26.12 | 41.84 | 3 | Horizontal | 73 | 2.17 | - | 33.15 | 5.10 | 32.21 |
| AV | 4.87392G | 41.72 | 54.00 | -12.28 | 35.68 | 3 | Horizontal | 73 | 2.17 | - | 33.15 | 5.10 | 32.21 |
| PK | 7.31004G | 56.74 | 74.00 | -17.26 | 46.98 | 3 | Horizontal | 8 | 2.06 | - | 36.42 | 6.16 | 32.82 |
| AV | 7.31012G | 50.92 | 54.00 | -3.08 | 41.16 | 3 | Horizontal | 8 | 2.06 | - | 36.42 | 6.16 | 32.82 |