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|-------------------------------------|-------------------------------|
| Product Name: Wireless Access Point | Report No: FCC022022-5921RF1 |
| Product Model: AP 6WB | Security Classification: Open |
| Version: V1.0 | Total Page: 99 |

TIRT Testing Report



| Prepared By: | Checked By: | Approved By: | The logo for TIRT Shenzhen is a circular emblem with the text "TIRT Shenzhen" in the center and "Beijing TIRT Technology Service Co., Ltd." around the perimeter. |
|--------------|-------------|--------------|---|
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FCC Radio Test Report

FCC ID: 2A3WK-AP6WB

This report concerns: Original Grant

Project No. : 22022-05921
Equipment : Wireless Access Point
Brand Name : Nomadix
Test Model : AP 6WB
Series Model : NA
Applicant : Nomadix, Inc.
Address : 21600 Oxnard Street - 19th floor, Woodland Hills, California, United States
Manufacturer : Nomadix, Inc.
Address : 21600 Oxnard Street - 19th floor, Woodland Hills, California, United States
Factory : Nomadix, Inc.
Address : 21600 Oxnard Street - 19th floor, Woodland Hills, California, United States
Date of Receipt : Nov. 03, 2022
Date of Test : Nov. 04, 2022~Dec.13, 2022
Issued Date : Dec. 21, 2022
Report Version : V1.0
Test Sample : 20221103020001
Standard(s) : FCC CFR Title 47, Part 15, Subpart C
FCC KDB 558074 D01 15.247 Meas Guidance v05r02
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc. the test report shall not reproduced except in full.

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| Table of Contents | Page |
|--|-------------|
| REPORT ISSUED HISTORY | 6 |
| 1 . SUMMARY OF TEST RESULTS | 7 |
| 1.1 TEST FACILITY | 8 |
| 1.2 MEASUREMENT UNCERTAINTY | 8 |
| 1.3 TEST ENVIRONMENT CONDITIONS | 9 |
| 2 . GENERAL INFORMATION | 10 |
| 2.1 GENERAL DESCRIPTION OF EUT | 10 |
| 2.2 DESCRIPTION OF TEST MODES | 12 |
| 2.3 PARAMETERS OF TEST SOFTWARE | 14 |
| 2.4 DUTY CYCLE | 15 |
| 2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED | 17 |
| 2.6 SUPPORT UNITS | 17 |
| 3 . AC POWER LINE CONDUCTED EMISSIONS | 18 |
| 3.1 LIMIT | 18 |
| 3.2 TEST PROCEDURE | 18 |
| 3.3 DEVIATION FROM TEST STANDARD | 18 |
| 3.4 TEST SETUP | 19 |
| 3.5 EUT OPERATION CONDITIONS | 19 |
| 3.6 TEST RESULTS | 19 |
| 4 . RADIATED EMISSIONS | 20 |
| 4.1 LIMIT | 20 |
| 4.2 TEST PROCEDURE | 22 |
| 4.3 DEVIATION FROM TEST STANDARD | 23 |
| 4.4 TEST SETUP | 23 |
| 4.5 EUT OPERATION CONDITIONS | 25 |
| 4.6 TEST RESULTS - 9 KHZ TO 30 MHZ | 25 |
| 4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ | 25 |
| 4.8 TEST RESULTS - ABOVE 1000 MHZ | 25 |
| 5 . BANDWIDTH | 26 |
| 5.1 LIMIT | 26 |
| 5.2 TEST PROCEDURE | 26 |
| 5.3 DEVIATION FROM STANDARD | 26 |
| 5.4 TEST SETUP | 26 |
| 5.5 EUT OPERATION CONDITIONS | 26 |

| Table of Contents | Page |
|--|-------------|
| 5.6 TEST RESULTS | 26 |
| 6 . MAXIMUM OUTPUT POWER | 27 |
| 6.1 LIMIT | 27 |
| 6.2 TEST PROCEDURE | 27 |
| 6.3 DEVIATION FROM STANDARD | 27 |
| 6.4 TEST SETUP | 27 |
| 6.5 EUT OPERATION CONDITIONS | 27 |
| 6.6 TEST RESULTS | 27 |
| 7 . CONDUCTED SPURIOUS EMISSIONS | 28 |
| 7.1 LIMIT | 28 |
| 7.2 TEST PROCEDURE | 28 |
| 7.3 DEVIATION FROM STANDARD | 28 |
| 7.4 TEST SETUP | 28 |
| 7.5 EUT OPERATION CONDITIONS | 28 |
| 7.6 TEST RESULTS | 28 |
| 8 . POWER SPECTRAL DENSITY | 29 |
| 8.1 LIMIT | 29 |
| 8.2 TEST PROCEDURE | 29 |
| 8.3 DEVIATION FROM STANDARD | 29 |
| 8.4 TEST SETUP | 29 |
| 8.5 EUT OPERATION CONDITIONS | 29 |
| 8.6 TEST RESULTS | 29 |
| 9 . MEASUREMENT INSTRUMENTS LIST | 30 |
| 10 . EUT TEST PHOTO | 31 |
| APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS | 33 |
| APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ | 36 |
| APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ | 37 |
| APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ | 40 |
| APPENDIX E - BANDWIDTH | 60 |
| APPENDIX F - MAXIMUM OUTPUT POWER | 67 |
| APPENDIX G - CONDUCTED SPURIOUS EMISSIONS | 74 |
| APPENDIX H - POWER SPECTRAL DENSITY | 87 |

Table of Contents

Page

REPORT ISSUED HISTORY

| Report No. | Version | Description | Issued Date | Note |
|-------------------|---------|------------------|---------------|-------|
| FCC022022-5921RF1 | V1.0 | Original Report. | Dec. 21, 2022 | Valid |

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC CFR Title 47, Part 15, Subpart C | | | | |
|--------------------------------------|-----------------------------------|--|----------|---------|
| Standard(s) Section | Test Item | Test Result | Judgment | Remark |
| 15.207 | AC Power Line Conducted Emissions | APPENDIX A | PASS | ----- |
| 15.247(d) 15.205(a) 15.209(a) | Radiated Emissions | APPENDIX B APPENDIX C APPENDIX D | PASS | ----- |
| 15.247(a)(2) | Bandwidth | APPENDIX E | PASS | ----- |
| 15.247(b)(3) | Maximum Output Power | APPENDIX F | PASS | ----- |
| 15.247(d) | Conducted Spurious Emissions | APPENDIX G | PASS | ----- |
| 15.247(e) | Power Spectral Density | APPENDIX H | PASS | ----- |
| 15.203 | Antenna Requirement | ----- | PASS | Note(2) |

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

1.1 TEST FACILITY

| | |
|---|--|
| Company: | Beijing TIRT Technology Service Co.,Ltd Shenzhen |
| Address: | 101, 3 # Factory Building, Gongjin Electronics Shatin Community, Kengzi Street, Pingshan District, Shenzhen, China |
| CNAS Registration Number: | CNAS L14158 |
| A2LA Registration Number: | 6049.01 |
| FCC Accredited Lab. Designation Number: | CN1309 |
| FCC Test Firm Registration Number: | 825524 |
| Telephone: | +86-0755-27087573 |

1.2 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 ($k=2$))

The TIRT measurement uncertainty as below table:

| Uncertainty | |
|--|---------------------------|
| Parameter | Uncertainty |
| Occupied Channel Bandwidth | $\pm 142.12\text{kHz}$ |
| RF power conducted | $\pm 0.74\text{dB}$ |
| RF power radiated | $\pm 3.25\text{dB}$ |
| Spurious emissions, conducted (9kHz~40GHz) | $\pm 1.78\text{dB}$ |
| Spurious emissions, radiated (9kHz~30MHz) | $\pm 2.8\text{dB}$ |
| Spurious emissions, radiated (30MHz~1GHz) | $\pm 4.6\text{dB}$ |
| Spurious emissions, radiated (1GHz ~ 18GHz) | $\pm 4.9\text{dB}$ |
| Spurious emissions, radiated (18GHz ~ 40GHz) | $\pm 5.54\text{dB}$ |
| Conduction Emissions(150kHz~30MHz) | $\pm 3.1\text{dB}$ |
| Humidity | $\pm 4.6\%$ |
| Temperature | $\pm 0.7^{\circ}\text{C}$ |
| Time | $\pm 1.25\%$ |

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

| Test Item | Temperature | Humidity | Test Voltage | Tested By |
|-------------------------------------|-------------|----------|--------------|------------|
| AC Power Line Conducted Emissions | 24°C | 54% | AC 120V/60Hz | Stone Tang |
| Radiated Emissions-9kHz to 30 MHz | 25°C | 55% | PoE 48V | Stone Tang |
| Radiated Emissions-30MHz to 1000MHz | 23°C | 53% | PoE 48V | Stone Tang |
| Radiated Emissions-Above 1000MHz | 25°C | 60% | PoE 48V | Stone Tang |
| Bandwidth | 23-25°C | 50% | PoE 48V | Stone Tang |
| Maximum Output Power | 23-25°C | 50% | PoE 48V | Stone Tang |
| Conducted Spurious Emissions | 23-25°C | 50% | PoE 48V | Stone Tang |
| Power Spectral Density | 23-25°C | 50% | PoE 48V | Stone Tang |

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| | |
|-------------------------|--|
| Equipment | Wireless Access Point |
| Brand Name | Nomadix |
| Test Model | AP 6WB |
| Series Model | NA |
| Model Difference(s) | NA |
| Software Version | NA |
| Hardware Version | NA |
| Power Source | PoE supplied. |
| Power Rating | Input Rating:DC 48V 0.6A, PoE Output Rating:DC48V 0.3A, PSE |
| Operation Frequency | 2412 MHz ~ 2462 MHz |
| Modulation Type | IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA |
| Bit Rate of Transmitter | IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ax: up to 573.6 Mbps |
| Maximum Output Power | IEEE 802.11b: 25.73 dBm (0.3741 W) |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

| CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20), IEEE 802.11ax(HE20) CH03 - CH09 for IEEE 802.11n(HT40), IEEE 802.11ax(HE40) | | | | | | | |
|--|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 01 | 2412 | 04 | 2427 | 07 | 2442 | 10 | 2457 |
| 02 | 2417 | 05 | 2432 | 08 | 2447 | 11 | 2462 |
| 03 | 2422 | 06 | 2437 | 09 | 2452 | | |

3. Antenna Specification:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|---------|-------------|--------------|-----------|------------|
| 1 | Wanshih | TW2WFI0036A | PIFA | MHF | 3.7 |
| 2 | Wanshih | TW2WFI0037A | PIFA | MHF | 5.6 |

Note:

- 1) This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain= $10\log[(10^{G1/20}+10^{G2/20})^2/N]$ dBi, that is Directional gain= $10\log[(10^{3.7/20}+10^{5.6/20})^2/2]$ dBi =7.71.
So, the output power limit is 30-(7.71-6)=28.29, the power spectral density limit is 8-(7.71-6)=6.29
- 2) The antenna gain and beamforming gain are provided by the manufacturer.

4. Table for Antenna Configuration:

| Operating Mode | TX Mode | 1TX | 2TX |
|---------------------|---------|-----|--------------------|
| IEEE 802.11b | | - | V(Ant. 1 + Ant. 2) |
| IEEE 802.11g | | - | V(Ant. 1 + Ant. 2) |
| IEEE 802.11n(HT20) | | - | V(Ant. 1 + Ant. 2) |
| IEEE 802.11n(HT40) | | - | V(Ant. 1 + Ant. 2) |
| IEEE 802.11ax(HE20) | | - | V(Ant. 1 + Ant. 2) |
| IEEE 802.11ax(HE40) | | - | V(Ant. 1 + Ant. 2) |

2.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

| Pretest Mode | Description |
|--------------|-----------------------------------|
| Mode 1 | TX B Mode Channel 01/06/11 |
| Mode 2 | TX G Mode Channel 01/06/11 |
| Mode 3 | TX N(HT20) Mode Channel 01/06/11 |
| Mode 4 | TX N(HT40) Mode Channel 03/06/09 |
| Mode 5 | TX AX(HE20) Mode Channel 01/06/11 |
| Mode 6 | TX AX(HE40) Mode Channel 03/06/09 |
| Mode 7 | TX B Mode Channel 06 |

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

| AC power line conducted emissions test | |
|--|----------------------|
| Final Test Mode | Description |
| Mode 7 | TX B Mode Channel 11 |

| Radiated emissions test - Below 1GHz | |
|--------------------------------------|----------------------|
| Final Test Mode | Description |
| Mode 7 | TX B Mode Channel 11 |

| Radiated emissions test- Above 1GHz | |
|-------------------------------------|-----------------------------------|
| Final Test Mode | Description |
| Mode 1 | TX B Mode Channel 01/06/11 |
| Mode 2 | TX G Mode Channel 01/06/11 |
| Mode 3 | TX N(HT20) Mode Channel 01/06/11 |
| Mode 4 | TX N(HT40) Mode Channel 03/06/09 |
| Mode 5 | TX AX(HE20) Mode Channel 01/06/11 |
| Mode 6 | TX AX(HE40) Mode Channel 03/06/09 |

| Conducted test | |
|-----------------|----------------------------|
| Final Test Mode | Description |
| Mode 1 | TX B Mode Channel 01/06/11 |

| | |
|--------|-----------------------------------|
| Mode 2 | TX G Mode Channel 01/06/11 |
| Mode 3 | TX N(HT20) Mode Channel 01/06/11 |
| Mode 4 | TX N(HT40) Mode Channel 03/06/09 |
| Mode 5 | TX AX(HE20) Mode Channel 01/06/11 |
| Mode 6 | TX AX(HE40) Mode Channel 03/06/09 |

NOTE:

- (1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX B Mode Channel 06 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB. For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Vertical for bandedge and recorded, the worst case is Horizontal for harmonic and recorded.
- (4) For AC power line conducted emissions and radiated emissions below 1 GHz test, all adapters had been pre-tested and in this report only recorded the worst case.
- (5) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.

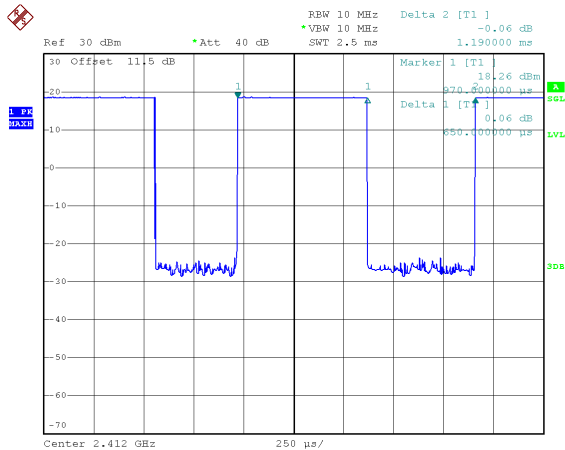
2.3 PARAMETERS OF TEST SOFTWARE

| Test Software Version | QDART-Connectivity1.0-00078 | | |
|-----------------------|-----------------------------|------|------|
| Frequency (MHz) | 2412 | 2437 | 2462 |
| IEEE 802.11b | 20 | 22 | 21.5 |
| IEEE 802.11g | 18 | 18.5 | 18 |
| IEEE 802.11n(HT20) | 18 | 19.5 | 19 |
| IEEE 802.11ax(HE20) | 16 | 19.5 | 17 |
| Frequency (MHz) | 2422 | 2437 | 2452 |
| IEEE 802.11n(HT40) | 18 | 17.5 | 17.5 |
| IEEE 802.11ax(HE40) | 15 | 16.5 | 15 |

2.4 DUTY CYCLE

If duty cycle is $\geq 98\%$, duty factor is not required.
 If duty cycle is $< 98\%$, duty factor shall be considered.
 The output power = measured power + duty factor.

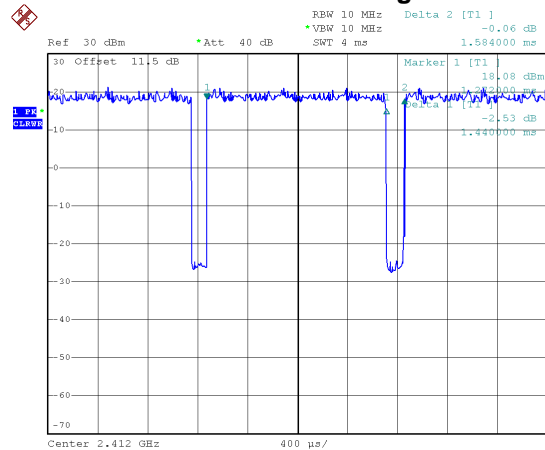
IEEE 802.11b



Date: 14.NOV.2022 11:25:58

Duty cycle = $0.650 \text{ ms} / 1.190 \text{ ms} = 54.62\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 2.63$

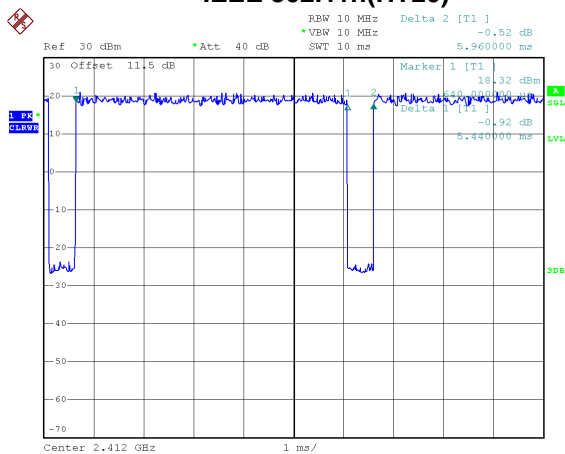
IEEE 802.11g



Date: 14.NOV.2022 11:26:58

Duty cycle = $1.440 \text{ ms} / 1.584 \text{ ms} = 90.91\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.41$

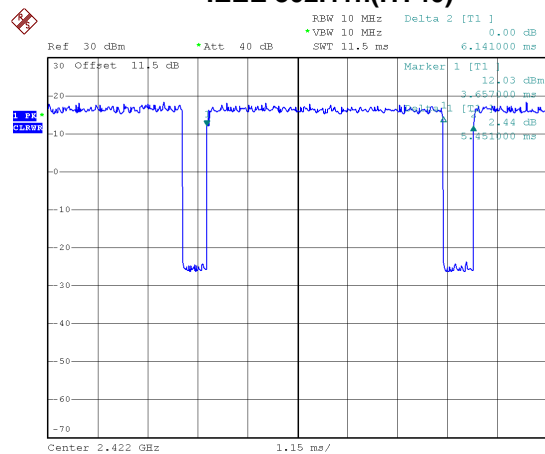
IEEE 802.11n(HT20)



Date: 14.NOV.2022 11:27:51

Duty cycle = $5.440 \text{ ms} / 5.960 \text{ ms} = 91.28\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.40$

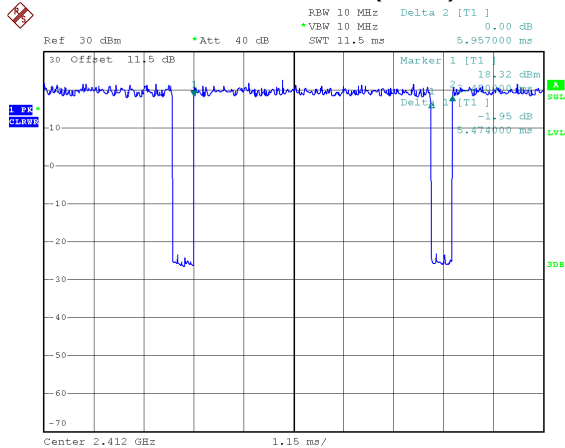
IEEE 802.11n(HT40)



Date: 14.NOV.2022 11:28:39

Duty cycle = $5.451 \text{ ms} / 6.141 \text{ ms} = 88.76\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.52$

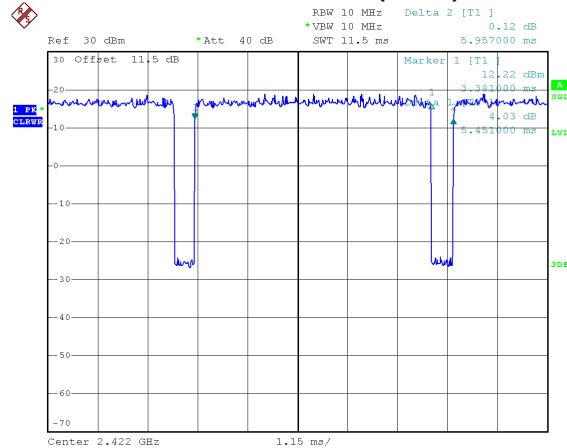
IEEE 802.11ax(HE20)



Date: 14.NOV.2022 11:34:17

Duty cycle = 5.474 ms / 5.957 ms = 91.89%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.37$

IEEE 802.11ax(HE40)



Date: 14.NOV.2022 11:34:55

Duty cycle = 5.451 ms / 5.957 ms = 91.51%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.39$

NOTE:

For IEEE 802.11b:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2kHz.

For IEEE 802.11g:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1kHz.

For IEEE 802.11n(HT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 200Hz.

For IEEE 802.11n(HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 200Hz.

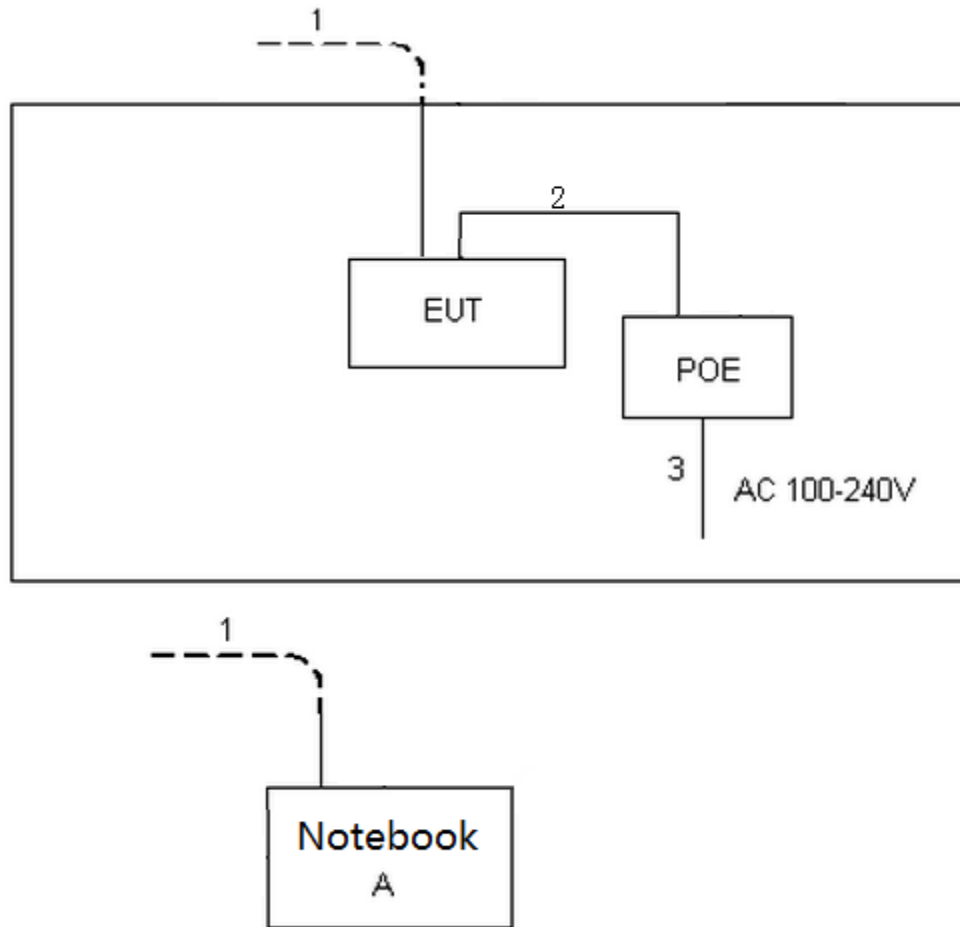
For IEEE 802.11ax(HE20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 200Hz..

For IEEE 802.11ax(HE40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 200Hz..

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

| Item | Equipment | Brand | Model No. | Series No. |
|------|-----------|-------|------------------|------------|
| A | Notebook | Dell | Inspiron 15-7559 | N/A |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| 1 | RJ45 Cable | NO | NO | 10m |
| 2 | RJ45 Cable | NO | NO | 1m |
| 3 | AC Cable | NO | NO | 1.5m |

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 LIMIT

| Frequency of Emission (MHz) | Limit (dB μ V) | |
|-----------------------------|--------------------|-----------|
| | Quasi-peak | Average |
| 0.15 - 0.5 | 66 to 56* | 56 to 46* |
| 0.5 - 5.0 | 56 | 46 |
| 5.0 - 30.0 | 60 | 50 |

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

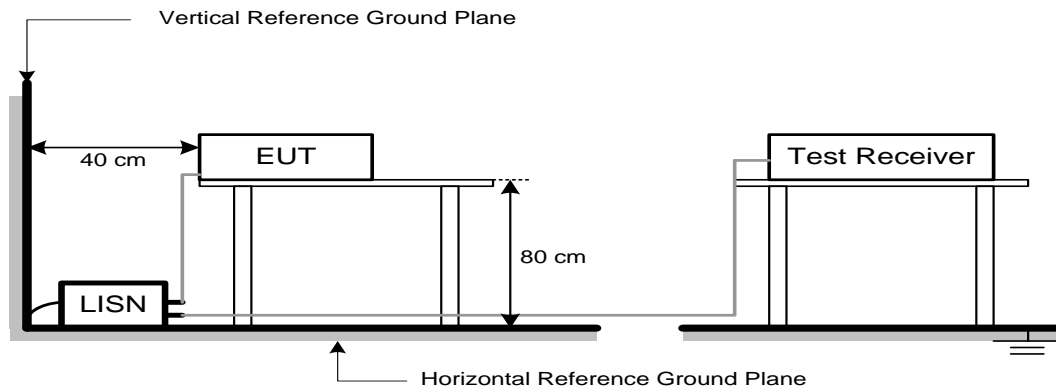
The following table is the setting of the receiver:

| Receiver Parameters | Setting |
|---------------------|----------|
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000 MHz)

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 0.009-0.490 | 2400/F(kHz) | 300 |
| 0.490-1.705 | 24000/F(kHz) | 30 |
| 1.705-30.0 | 30 | 30 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| Above 960 | 500 | 3 |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

| Frequency (MHz) | (dBuV/m at 3 m) | |
|-----------------|-----------------|---------|
| | Peak | Average |
| Above 1000 | 74 | 54 |

NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

4.2 TEST PROCEDURE

- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
- The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
(below 1 GHz)
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- For the actual test configuration, please refer to the related Item -EUT Test Photos.

The following table is the setting of the receiver:

| Spectrum Parameters | Setting |
|------------------------|---------------------------------|
| Start ~ Stop Frequency | 9 kHz~150 kHz for RBW 200 Hz |
| Start ~ Stop Frequency | 0.15 MHz~30 MHz for RBW 9 kHz |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for RBW 100 kHz |

| Spectrum Parameters | Setting |
|--|--|
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RBW / VBW (Emission in restricted band) | 1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value |

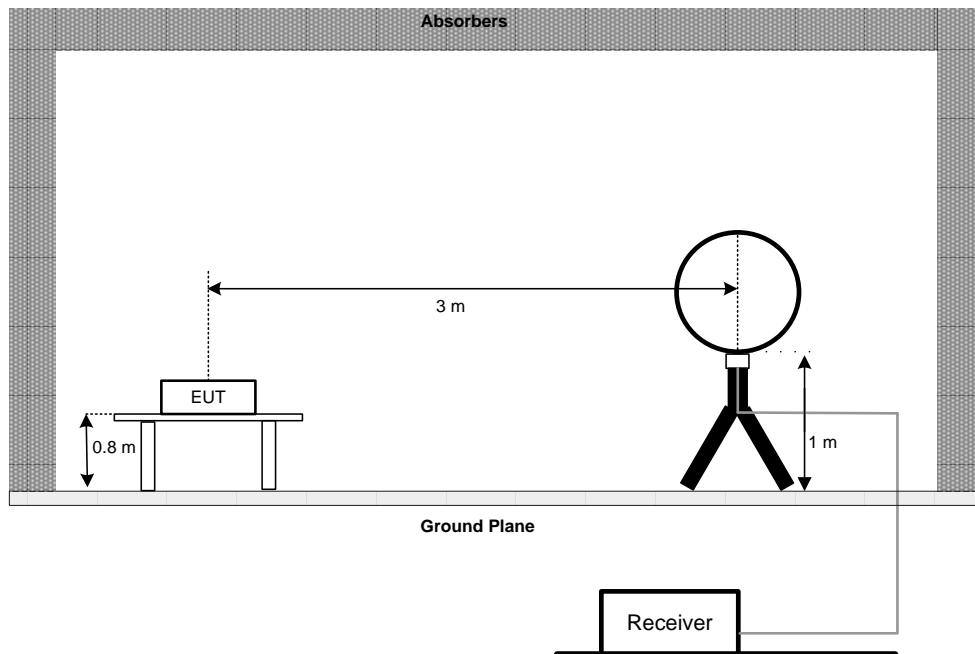
| Receiver Parameters | Setting |
|------------------------|-------------------------------------|
| Start ~ Stop Frequency | 9 kHz~90 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 90 kHz~110 kHz for QP detector |
| Start ~ Stop Frequency | 110 kHz~490 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490 kHz~30 MHz for QP detector |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for QP detector |
| Start ~ Stop Frequency | 1 GHz~26.5 GHz for PK/AVG detector |

4.3 DEVIATION FROM TEST STANDARD

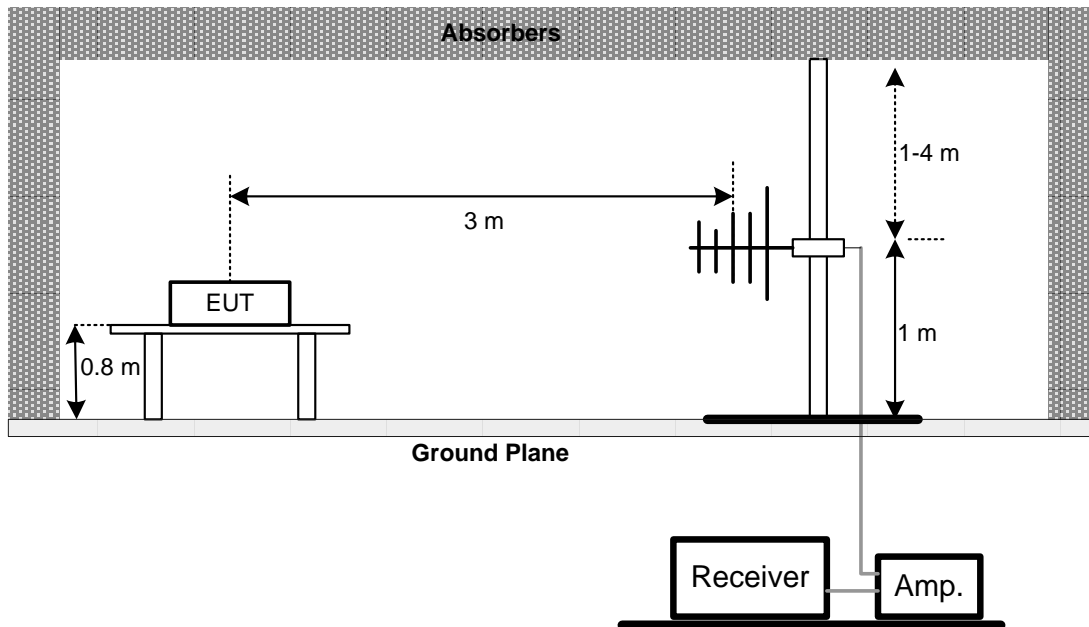
No deviation.

4.4 TEST SETUP

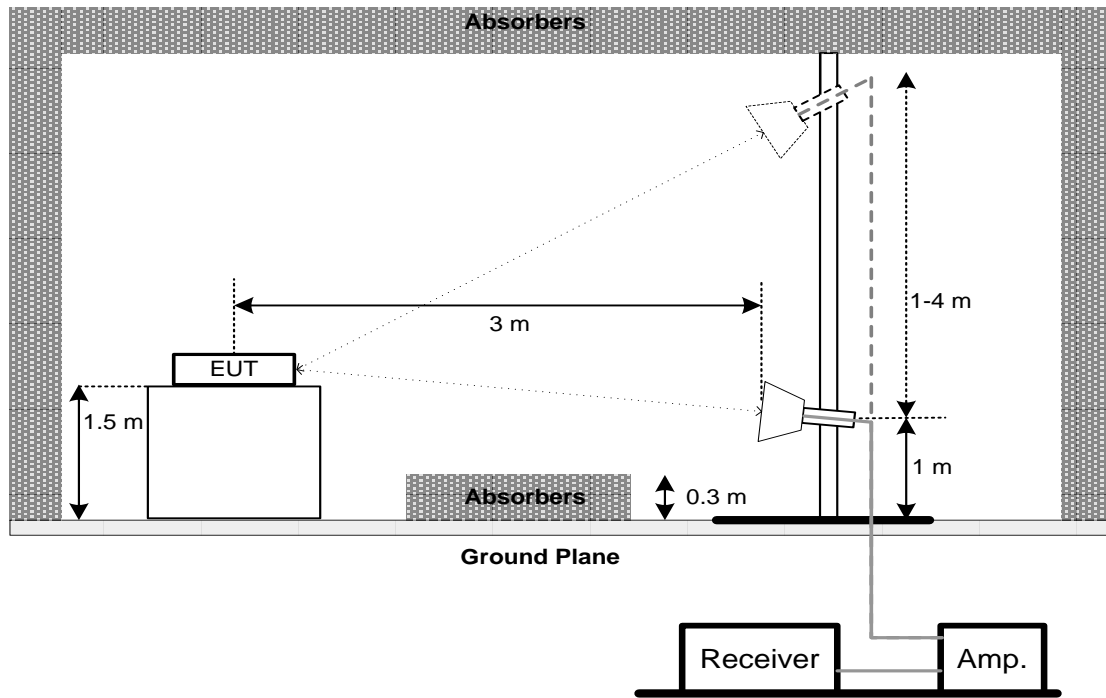
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. BANDWIDTH

5.1 LIMIT

| Section | Test Item | Limit |
|------------------|------------------------|-----------------|
| FCC 15.247(a)(2) | 6 dB Bandwidth | Minimum 500 kHz |
| | 99% Emission Bandwidth | - |

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

For 6 dB Bandwidth:

| Spectrum Parameters | Setting |
|---------------------|-------------------------|
| Span Frequency | > Measurement Bandwidth |
| RBW | 100 kHz |
| VBW | 300 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

For 99% Emission Bandwidth:

| Spectrum Parameters | Setting |
|---------------------|---|
| Span Frequency | Between 1.5 times and 5.0 times the OBW |
| RBW | 300 kHz For 20MHz 1 MHz For 40MHz |
| VBW | 1 MHz For 20MHz 3 MHz For 40MHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER

6.1 LIMIT

| Section | Test Item | Limit |
|------------------|----------------------|--------------------------|
| FCC 15.247(b)(3) | Maximum Output Power | 1.0000 Watt or 30.00 dBm |

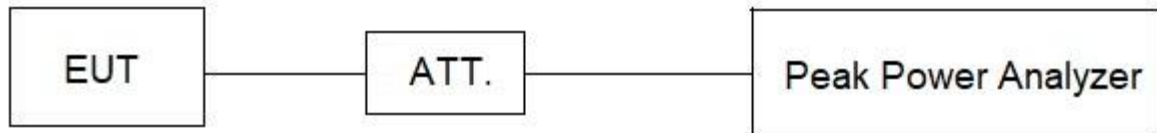
6.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.2.3.1 (for AVG power) of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

7.2 TEST PROCEDURE

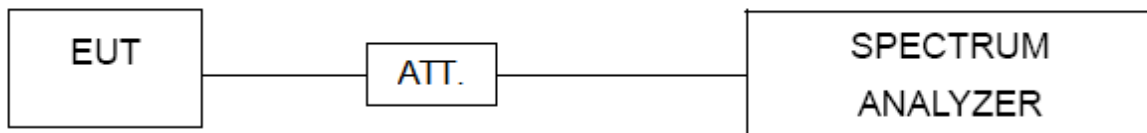
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

| Spectrum Parameters | Setting |
|---------------------|----------|
| Start Frequency | 30 MHz |
| Stop Frequency | 26.5 GHz |
| RBW | 100 kHz |
| VBW | 300 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY

8.1 LIMIT

| Section | Test Item | Limit |
|---------------|------------------------|-------------------------|
| FCC 15.247(e) | Power Spectral Density | 8 dBm (in any 3 kHz) |

8.2 TEST PROCEDURE

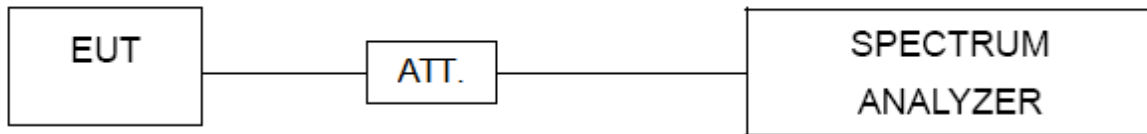
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

| Spectrum Parameters | Setting |
|---------------------|-----------------------------------|
| Span Frequency | 25 MHz (20 MHz) / 60 MHz (40 MHz) |
| RBW | 3 kHz |
| VBW | 10 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

| No. | Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|-----|------------------------|---------------|----------------------|---------------|------------------|
| 1 | EMI Receiver | Rohde&Schwarz | ESCI | 1166.5950.03 | 2023/10/14 |
| 2 | AMN | Rohde&Schwarz | ENV216 | 3560.6550.05 | 2023/10/14 |
| 3 | AMN | Schwarzbeck | NSLK8127 | #829 | 2023/10/14 |
| 4 | ECSI RF IN RF Cable | Rohde&Schwarz | RP-X1 | N/A | 2023/10/14 |
| 5 | ECSI RF IN RF Cable | Rohde&Schwarz | Sapre sm | N/A | 2023/10/14 |
| 6 | EMI Receiver | Rohde&Schwarz | ESR7 | 102013 | 2023/10/14 |
| 7 | Spectrum analyzer | Rohde&Schwarz | FSV30 | 103741 | 2023/10/17 |
| 8 | Spectrum analyzer | KEYSIGHT | N9010A-44 | MY51440158 | 2023/10/17 |
| 9 | Log periodic antenna | Schwarzbeck | VULB 9163 | VULB 9163-361 | 2023/10/15 |
| 10 | Loop Antenna | Schwarzbeck | FMZB1519 B | 00029 | 2023/07/03 |
| 11 | Horn Antenna | Schwarzbeck | BBHA 9120D | 9120D-1201 | 2023/10/15 |
| 12 | Horn Antenna | Schwarzbeck | BBHA 9170 | 9170#685 | 2023/10/15 |
| 13 | Preamplifier | Schwarzbeck | BBV9745 | #78 | 2023/10/15 |
| 14 | Preamplifier | Schwarzbeck | BBV9721 | 9721-019 | 2023/10/15 |
| 15 | Preamplifier | / | LNA 0920N | 2014 | 2023/10/15 |
| 16 | Preamplifier | RF System/UK | TRLA-0101 80G50B | 22062101 | 2023/07/20 |
| 17 | ECSI RF IN RF Cable | Rohde&Schwarz | AP-X1 | N/A | 2023/10/15 |
| 18 | ECSI RF IN RF Cable | HAOXUN | Z-108 | N/A | 2023/10/15 |
| 19 | RF Cable | ZDECL | ZT40-2.92J -2.92J-6M | 18124358 | 2023/07/20 |
| 20 | Spectrum Analyzer | Agilent | N9010A | MY51440158 | 2023/10/17 |
| 21 | Spectrum Analyzer | Agilent | N9010A | MY52221119 | 2023/10/17 |
| 22 | EMI Receiver | Rohde&Schwarz | ESU | 100184 | 2023/07/20 |
| 23 | Temp&Humidity Recorder | Anymetre | JR900 | N/A | 2023/10/16 |
| 24 | Power Collection Unit | Tonscend | JS0806-2 | 188060134 | 2023/10/16 |
| 25 | Temp&Humidity Chamber | ETOMA | NTH1100-3 0A | 16080628 | 2023/10/16 |
| 26 | Filter | STI | STI15-9845 | N/A | N/A |
| 27 | Filter | STI | 5.1G | N/A | N/A |
| 28 | Filter | STI | STI15-9845 | N/A | N/A |
| 29 | Testing Software | EZ-EMC | TW-03A2 | N/A | N/A |

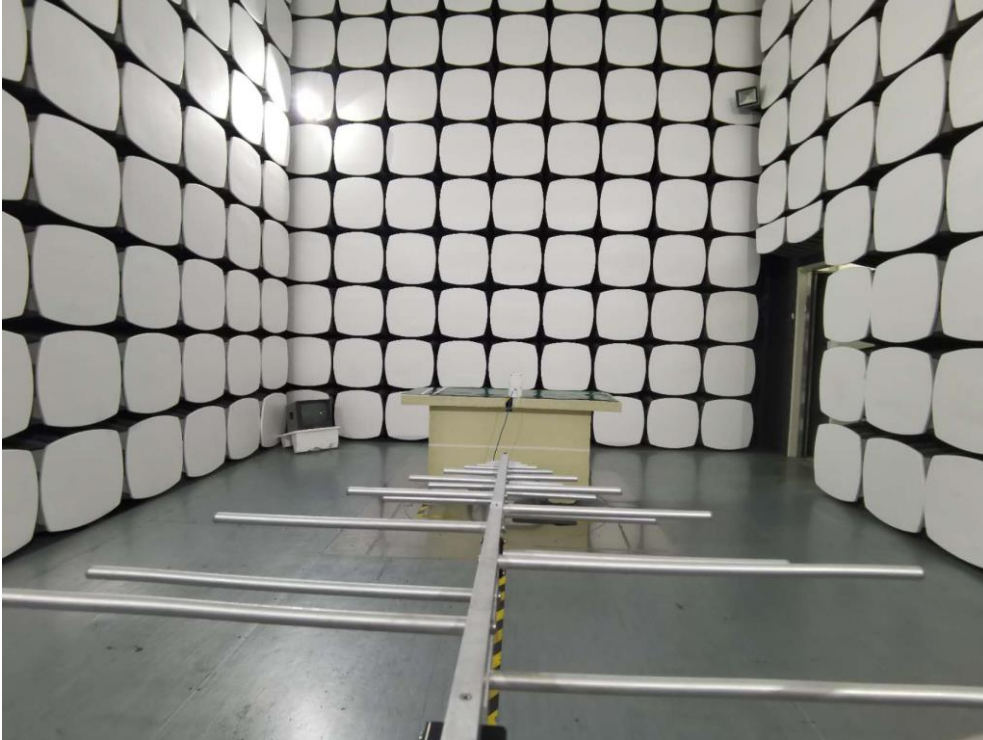
Remark: "N/A" denotes no model name, serial no. or calibration specified.

"**" calibration period of equipment list is three year.

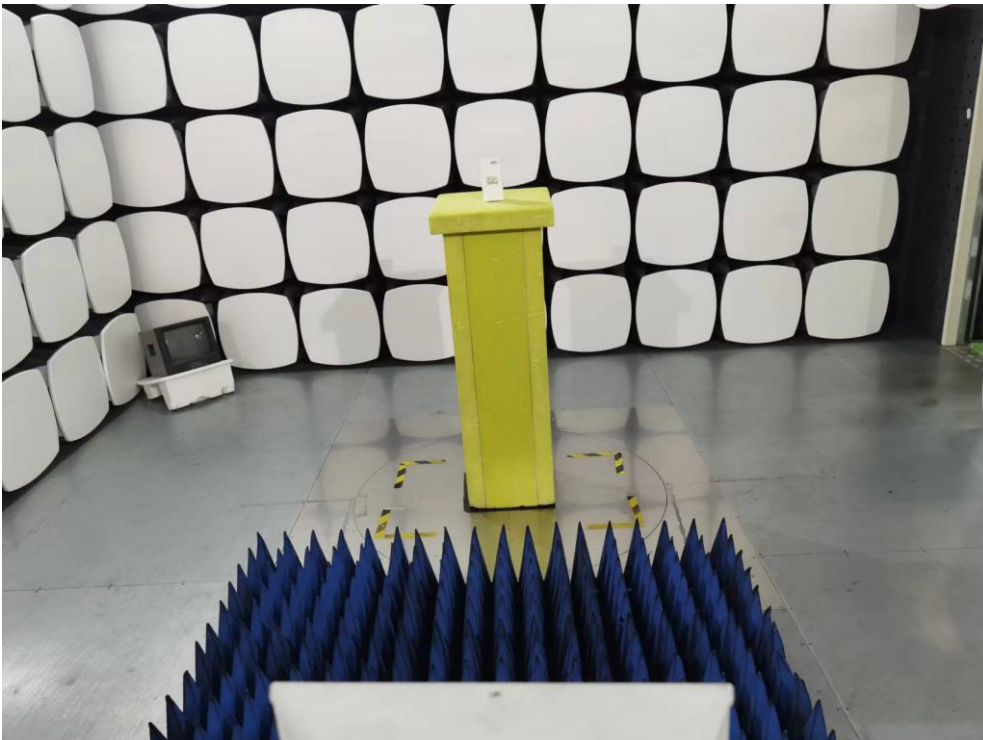
Except * item, all calibration period of equipment list is one year.

10. EUT TEST PHOTO**AC Power Line Conducted Emissions Test Photos**

**Radiated Emissions Test Photos
30 MHz to 1000 MHz**

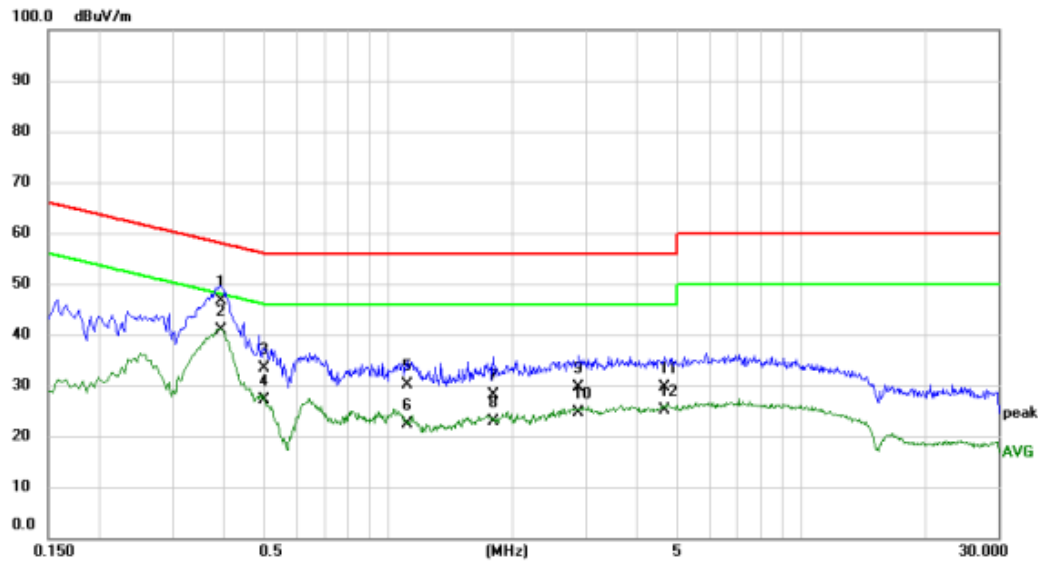


**Radiated Emissions Test Photos
Above 1GHz**



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

| | | | |
|-----------|----------------------|-------|------|
| Test Mode | TX B Mode Channel 06 | Phase | Line |
|-----------|----------------------|-------|------|



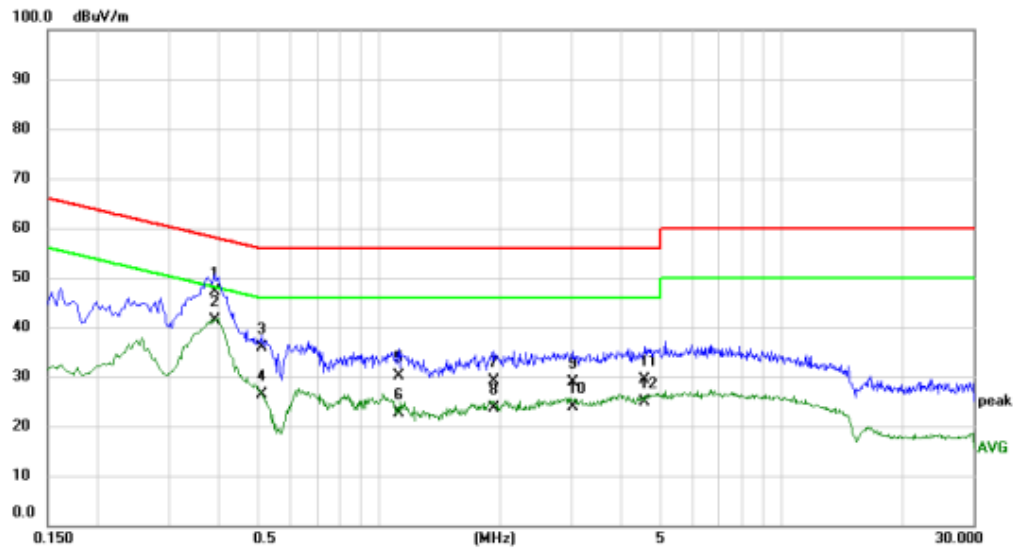
| No. | Mk. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|----------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | | 0.3940 | 27.01 | 19.52 | 46.53 | 57.98 | -11.45 | QP | |
| 2 | * | 0.3940 | 21.30 | 19.52 | 40.82 | 47.98 | -7.16 | AVG | |
| 3 | | 0.5020 | 13.73 | 19.53 | 33.26 | 56.00 | -22.74 | QP | |
| 4 | | 0.5020 | 7.63 | 19.53 | 27.16 | 46.00 | -18.84 | AVG | |
| 5 | | 1.1100 | 10.38 | 19.69 | 30.07 | 56.00 | -25.93 | QP | |
| 6 | | 1.1100 | 2.80 | 19.69 | 22.49 | 46.00 | -23.51 | AVG | |
| 7 | | 1.7940 | 8.08 | 19.96 | 28.04 | 56.00 | -27.96 | QP | |
| 8 | | 1.7940 | 2.97 | 19.96 | 22.93 | 46.00 | -23.07 | AVG | |
| 9 | | 2.8900 | 9.03 | 20.67 | 29.70 | 56.00 | -26.30 | QP | |
| 10 | | 2.8900 | 4.06 | 20.67 | 24.73 | 46.00 | -21.27 | AVG | |
| 11 | | 4.6540 | 9.39 | 20.36 | 29.75 | 56.00 | -26.25 | QP | |
| 12 | | 4.6540 | 4.88 | 20.36 | 25.24 | 46.00 | -20.76 | AVG | |

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|----------------------|-------|---------|
| Test Mode | TX B Mode Channel 06 | Phase | Neutral |
|-----------|----------------------|-------|---------|



| No. Mk. | Freq. MHz | Reading Level dBuV/m | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|---------|--------------|----------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | 0.3900 | 27.51 | 19.71 | 47.22 | 58.06 | -10.84 | QP | |
| 2 * | 0.3900 | 21.74 | 19.71 | 41.45 | 48.06 | -6.61 | AVG | |
| 3 | 0.5100 | 16.25 | 19.74 | 35.99 | 56.00 | -20.01 | QP | |
| 4 | 0.5100 | 6.67 | 19.74 | 26.41 | 46.00 | -19.59 | AVG | |
| 5 | 1.1220 | 10.16 | 19.92 | 30.08 | 56.00 | -25.92 | QP | |
| 6 | 1.1220 | 2.65 | 19.92 | 22.57 | 46.00 | -23.43 | AVG | |
| 7 | 1.9300 | 8.79 | 20.26 | 29.05 | 56.00 | -26.95 | QP | |
| 8 | 1.9300 | 3.43 | 20.26 | 23.69 | 46.00 | -22.31 | AVG | |
| 9 | 3.0340 | 8.64 | 20.23 | 28.87 | 56.00 | -27.13 | QP | |
| 10 | 3.0340 | 3.63 | 20.23 | 23.86 | 46.00 | -22.14 | AVG | |
| 11 | 4.5780 | 9.07 | 20.35 | 29.42 | 56.00 | -26.58 | QP | |
| 12 | 4.5780 | 4.47 | 20.35 | 24.82 | 46.00 | -21.18 | AVG | |

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

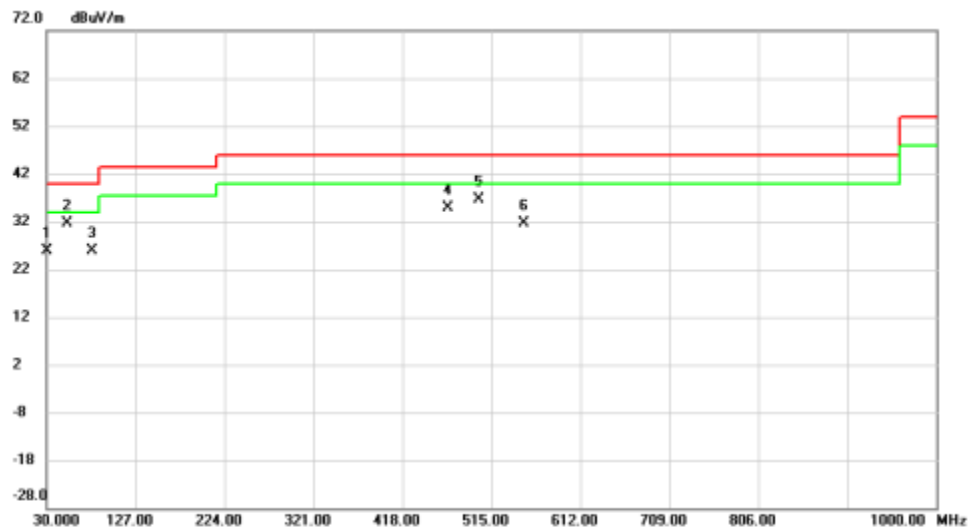
Radiated emission: 9kHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

| | | | |
|-----------|----------------------|--------------|----------|
| Test Mode | TX B Mode Channel 06 | Polarization | Vertical |
|-----------|----------------------|--------------|----------|



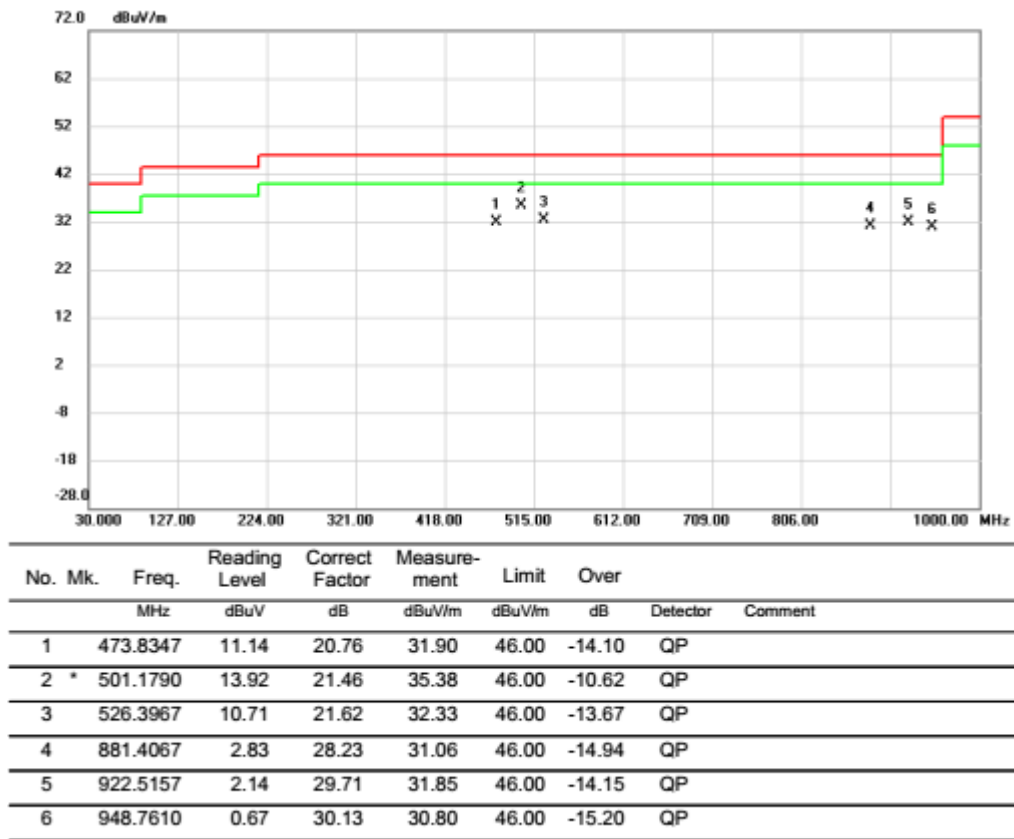
| No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | 31.2893 | 11.51 | 14.26 | 25.77 | 40.00 | -14.23 | QP | |
| 2 * | 52.5753 | 17.10 | 14.61 | 31.71 | 40.00 | -8.29 | QP | |
| 3 | 79.2426 | 11.19 | 14.74 | 25.93 | 40.00 | -14.07 | QP | |
| 4 | 467.2350 | 14.11 | 20.70 | 34.81 | 46.00 | -11.19 | QP | |
| 5 | 501.1790 | 15.25 | 21.46 | 36.71 | 46.00 | -9.29 | QP | |
| 6 | 550.9480 | 9.80 | 21.92 | 31.72 | 46.00 | -14.28 | QP | |

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|----------------------|--------------|------------|
| Test Mode | TX B Mode Channel 06 | Polarization | Horizontal |
|-----------|----------------------|--------------|------------|

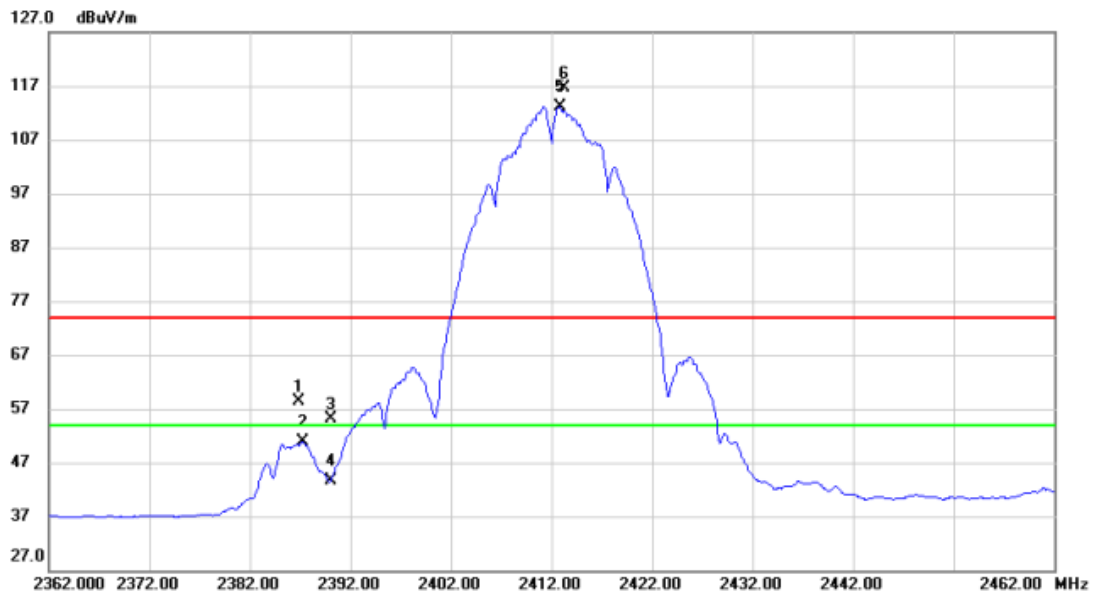


REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

| | | | |
|-----------|--------------------|--------------|----------|
| Test Mode | TX B Mode 2412 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|



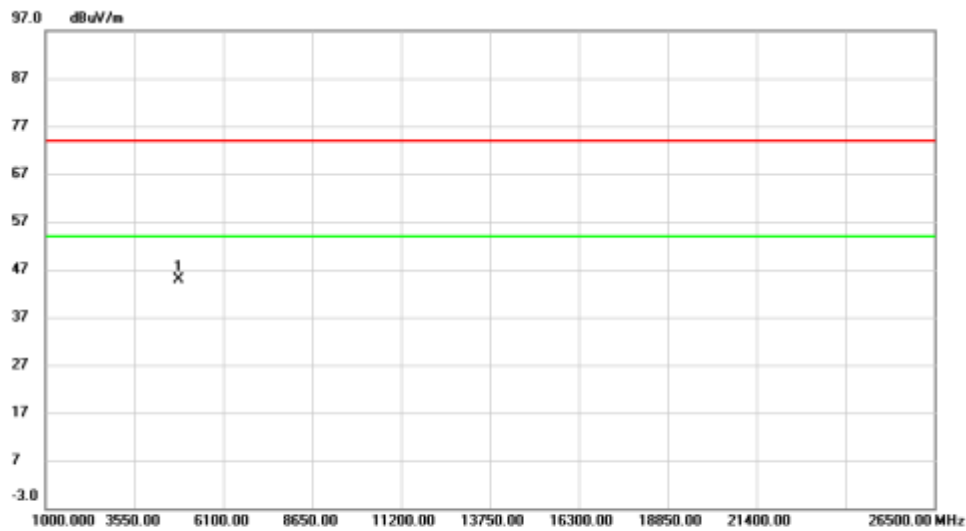
| No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1 | 2386.800 | 25.23 | 33.26 | 58.49 | 74.00 | -15.51 | peak | |
| 2 | 2387.300 | 17.62 | 33.26 | 50.88 | 54.00 | -3.12 | AVG | |
| 3 | 2390.000 | 21.89 | 33.27 | 55.16 | 74.00 | -18.84 | peak | |
| 4 | 2390.000 | 10.26 | 33.27 | 43.53 | 54.00 | -10.47 | AVG | |
| 5 * | 2412.800 | 79.90 | 33.35 | 113.25 | 54.00 | 59.25 | AVG | No Limit |
| 6 X | 2413.300 | 83.31 | 33.35 | 116.66 | 74.00 | 42.66 | peak | No Limit |

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|------------|
| Test Mode | TX B Mode 2412 MHz | Polarization | Horizontal |
|-----------|--------------------|--------------|------------|

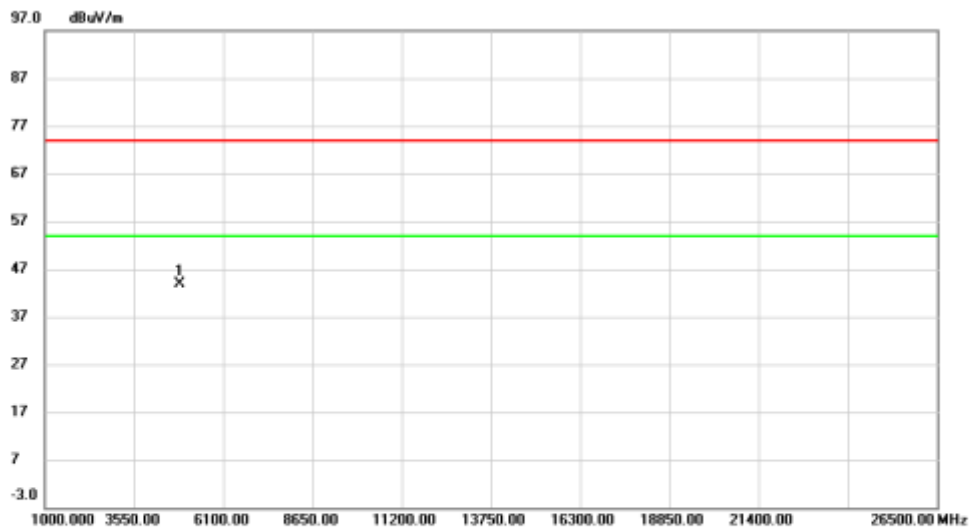


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 4824.260 | 58.84 | -14.02 | 44.82 | 74.00 | -29.18 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|------------|
| Test Mode | TX B Mode 2437 MHz | Polarization | Horizontal |
|-----------|--------------------|--------------|------------|

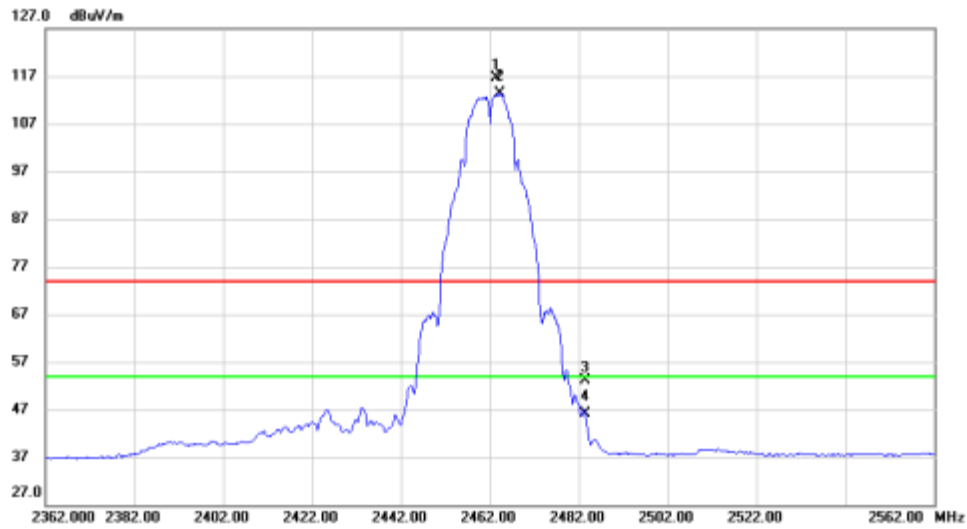


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | * | 4874.260 | 57.68 | -13.77 | 43.91 | 74.00 | -30.09 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|----------|
| Test Mode | TX B Mode 2462 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

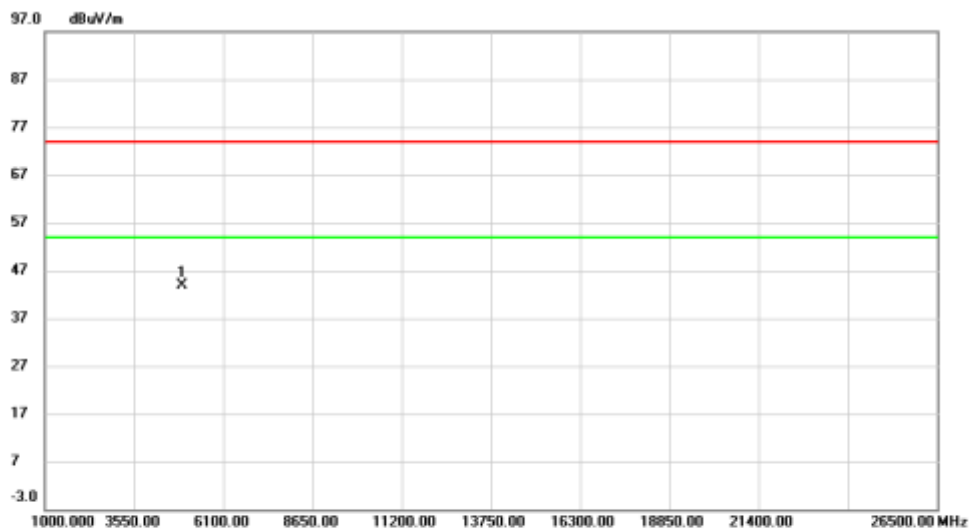


| No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1 X | 2463.600 | 83.14 | 33.51 | 116.65 | 74.00 | 42.65 | peak | No Limit |
| 2 * | 2464.200 | 79.93 | 33.51 | 113.44 | 54.00 | 59.44 | AVG | No Limit |
| 3 | 2483.500 | 19.59 | 33.58 | 53.17 | 74.00 | -20.83 | peak | |
| 4 | 2483.500 | 12.50 | 33.58 | 46.08 | 54.00 | -7.92 | AVG | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|------------|
| Test Mode | TX B Mode 2462 MHz | Polarization | Horizontal |
|-----------|--------------------|--------------|------------|

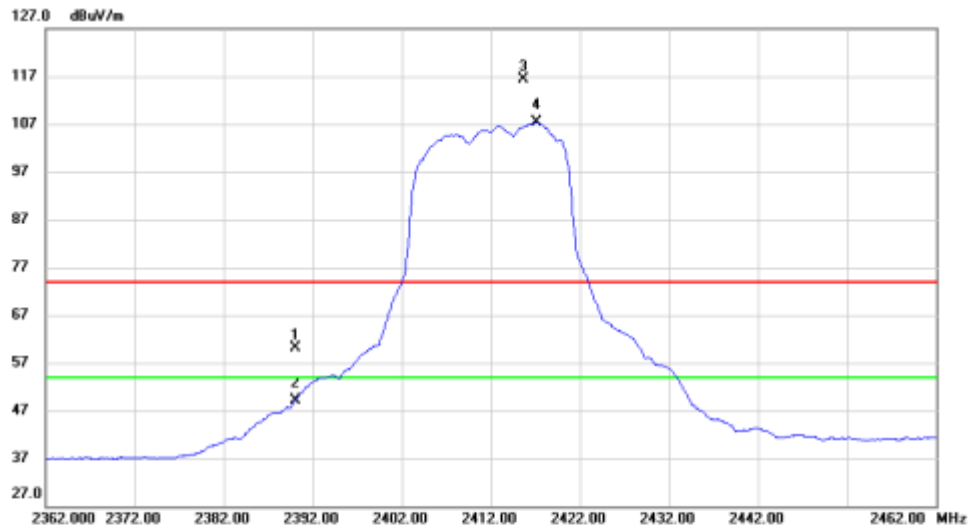


| No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 * | 4924.580 | 57.40 | -13.52 | 43.88 | 74.00 | -30.12 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|----------|
| Test Mode | TX G Mode 2412 MHz | Polarization | Vertical |
|-----------|--------------------|--------------|----------|

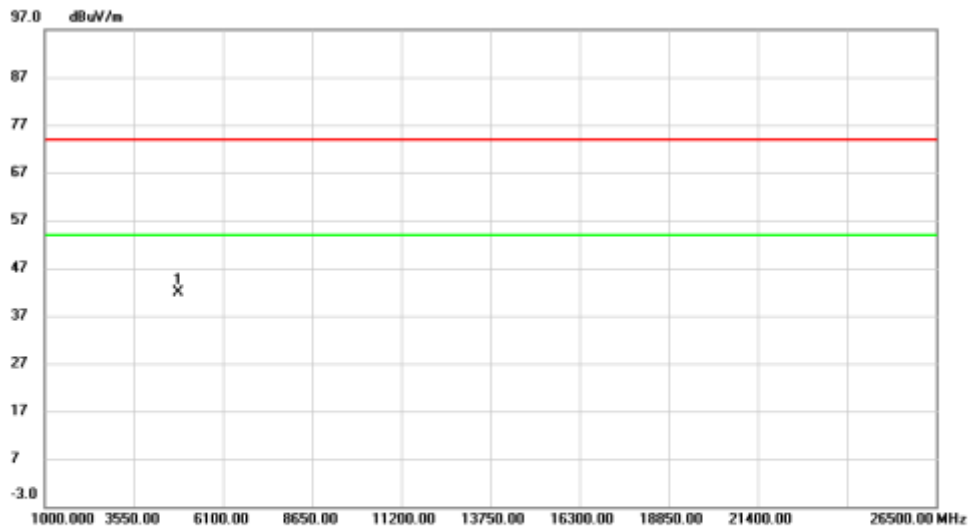


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1 | | 2390.000 | 26.80 | 33.27 | 60.07 | 74.00 | -13.93 | peak | |
| 2 | | 2390.000 | 15.77 | 33.27 | 49.04 | 54.00 | -4.96 | AVG | |
| 3 | X | 2415.700 | 82.90 | 33.36 | 116.26 | 74.00 | 42.26 | peak | No Limit |
| 4 | * | 2417.200 | 74.10 | 33.36 | 107.46 | 54.00 | 53.46 | AVG | No Limit |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|------------|
| Test Mode | TX G Mode 2412 MHz | Polarization | Horizontal |
|-----------|--------------------|--------------|------------|

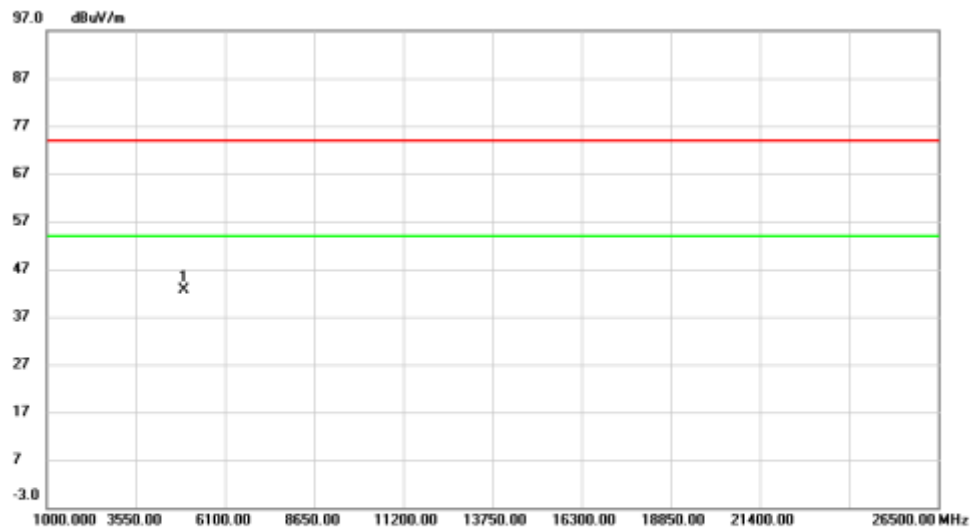


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 4824.870 | 55.95 | -14.02 | 41.93 | 74.00 | -32.07 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|------------|
| Test Mode | TX G Mode 2437 MHz | Polarization | Horizontal |
|-----------|--------------------|--------------|------------|

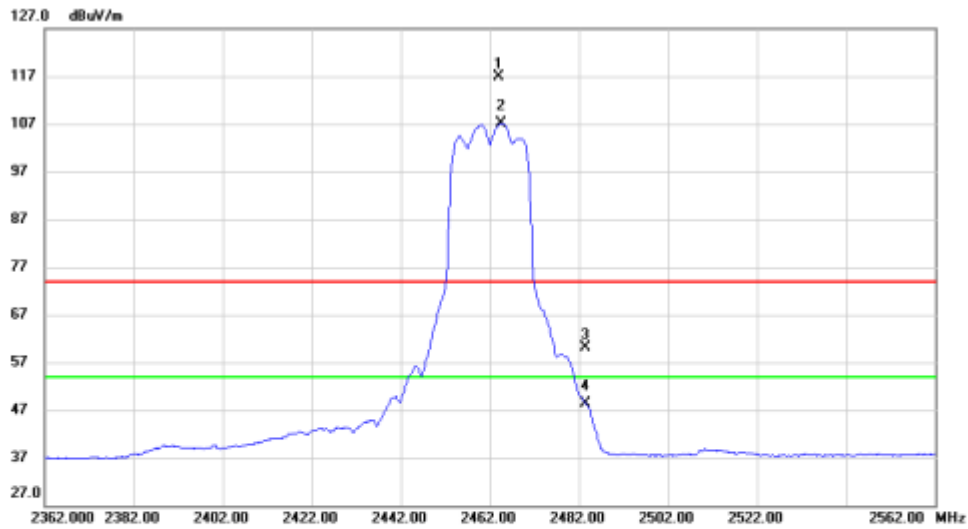


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | * | 4925.000 | 56.17 | -13.52 | 42.65 | 74.00 | -31.35 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|---------|
| Test Mode | TX G Mode 2462 MHz | Polarization | Vertial |
|-----------|--------------------|--------------|---------|

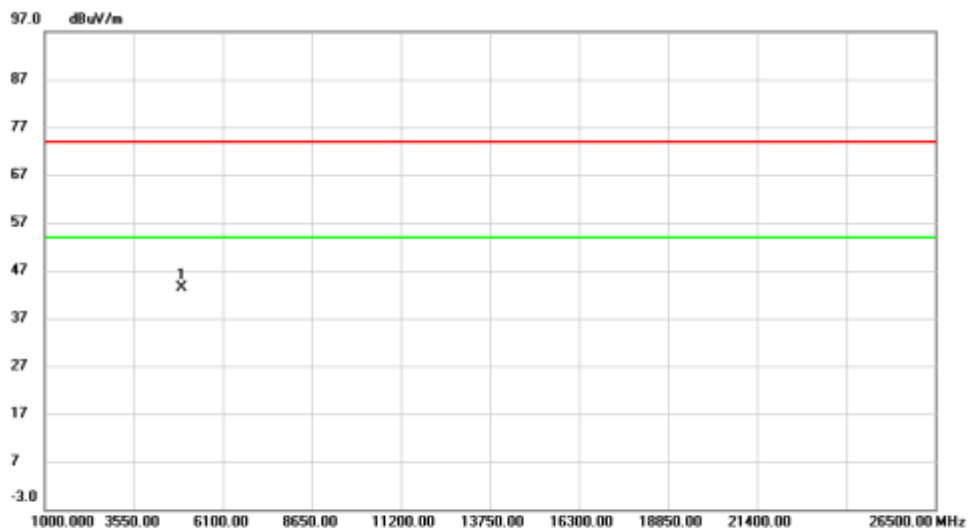


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1 | X | 2464.000 | 83.28 | 33.51 | 116.79 | 74.00 | 42.79 | peak | No Limit |
| 2 | * | 2464.400 | 73.67 | 33.51 | 107.18 | 54.00 | 53.18 | AVG | No Limit |
| 3 | | 2483.500 | 26.66 | 33.58 | 60.24 | 74.00 | -13.76 | peak | |
| 4 | | 2483.500 | 14.82 | 33.58 | 48.40 | 54.00 | -5.60 | AVG | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|--------------------|--------------|------------|
| Test Mode | TX G Mode 2462 MHz | Polarization | Horizontal |
|-----------|--------------------|--------------|------------|

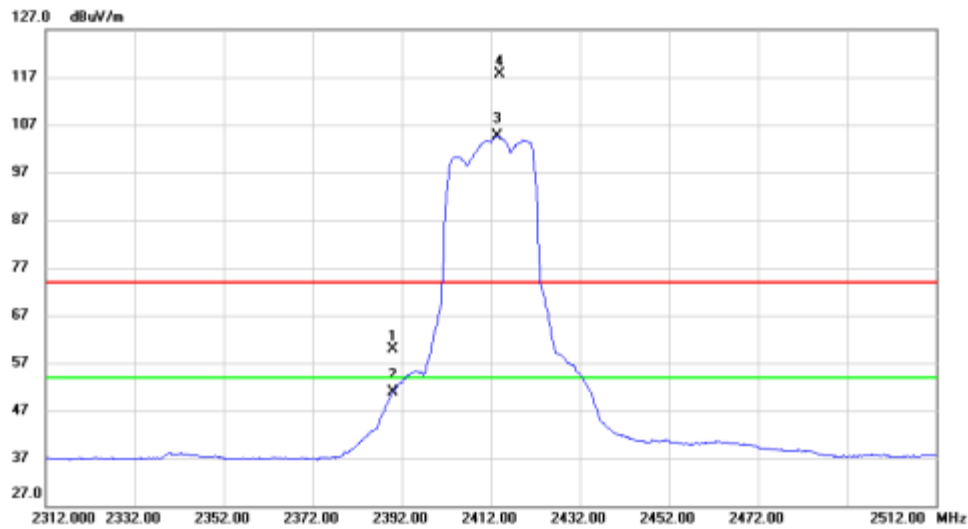


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | * | 4924.270 | 56.83 | -13.52 | 43.31 | 74.00 | -30.69 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|---------------------------|--------------|---------|
| Test Mode | TX AX(HE20) Mode 2412 MHz | Polarization | Vertial |
|-----------|---------------------------|--------------|---------|



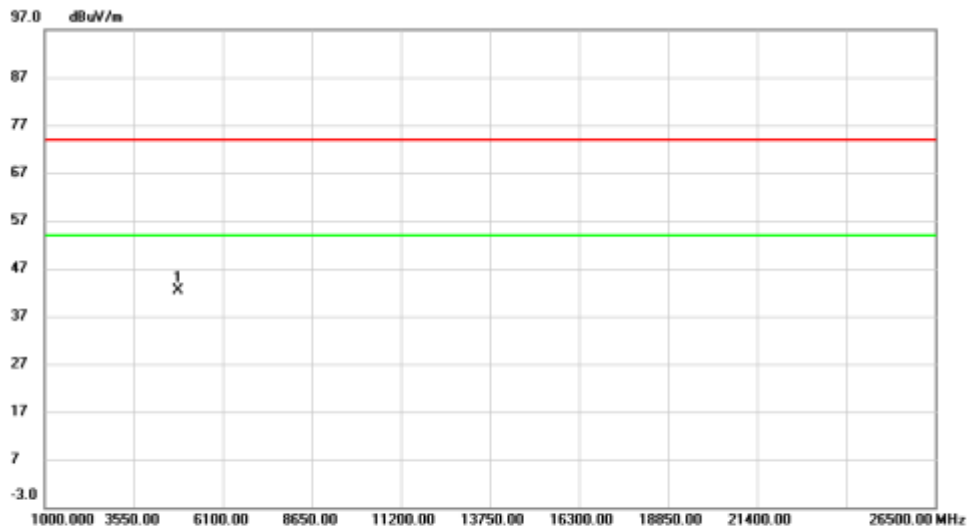
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1 | | 2390.000 | 26.50 | 33.27 | 59.77 | 74.00 | -14.23 | peak | |
| 2 | | 2390.000 | 17.50 | 33.27 | 50.77 | 54.00 | -3.23 | AVG | |
| 3 | * | 2413.600 | 71.31 | 33.35 | 104.66 | 54.00 | 50.66 | AVG | No Limit |
| 4 | X | 2414.000 | 84.34 | 33.35 | 117.69 | 74.00 | 43.69 | peak | No Limit |

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|---------------------------|--------------|------------|
| Test Mode | TX AX(HE20) Mode 2412 MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|

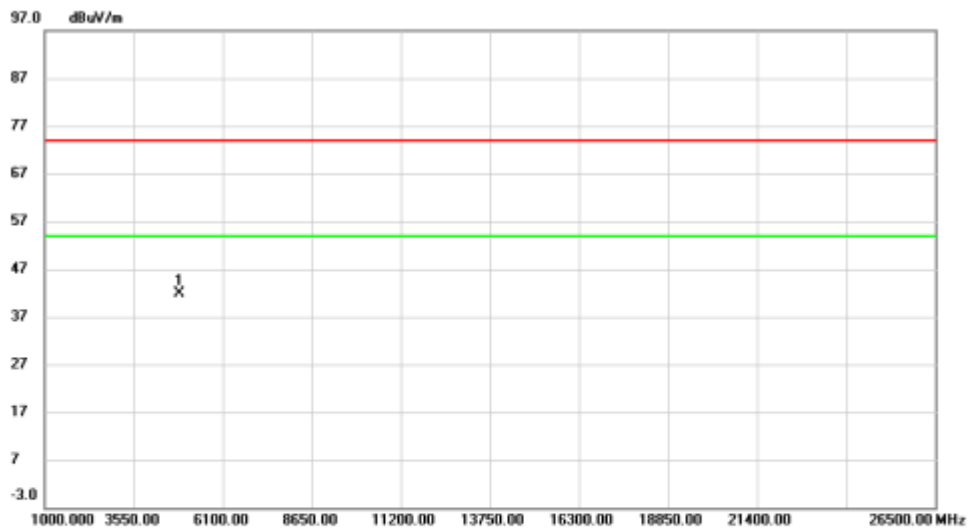


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | * | 4824.260 | 56.48 | -14.02 | 42.46 | 74.00 | -31.54 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|---------------------------|--------------|------------|
| Test Mode | TX AX(HE20) Mode 2437 MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|

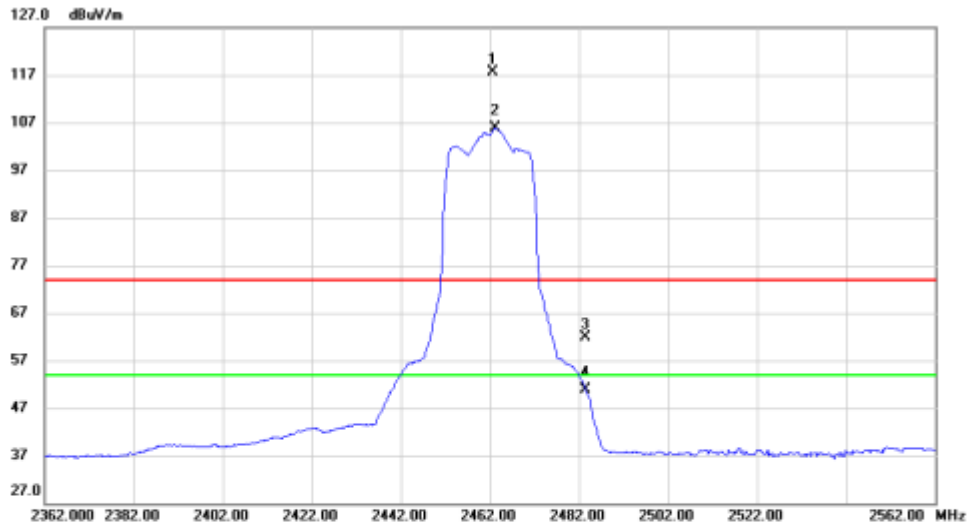


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 4874.620 | 55.77 | -13.77 | 42.00 | 74.00 | -32.00 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE20) Mode 2462 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

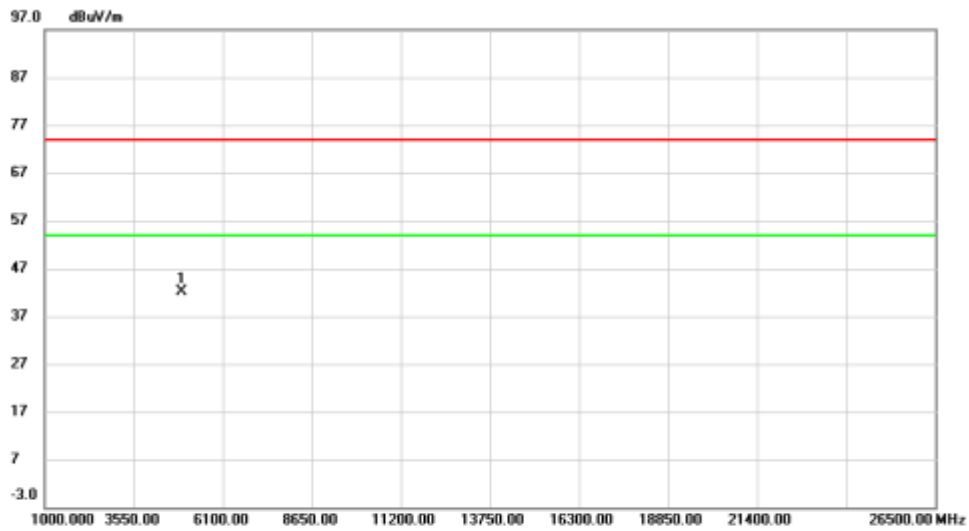


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1 | X | 2462.600 | 84.13 | 33.51 | 117.64 | 74.00 | 43.64 | peak | No Limit |
| 2 | * | 2463.200 | 72.46 | 33.51 | 105.97 | 54.00 | 51.97 | AVG | No Limit |
| 3 | | 2483.500 | 28.39 | 33.58 | 61.97 | 74.00 | -12.03 | peak | |
| 4 | | 2483.500 | 17.26 | 33.58 | 50.84 | 54.00 | -3.16 | AVG | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|---------------------------|--------------|------------|
| Test Mode | TX AX(HE20) Mode 2462 MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|

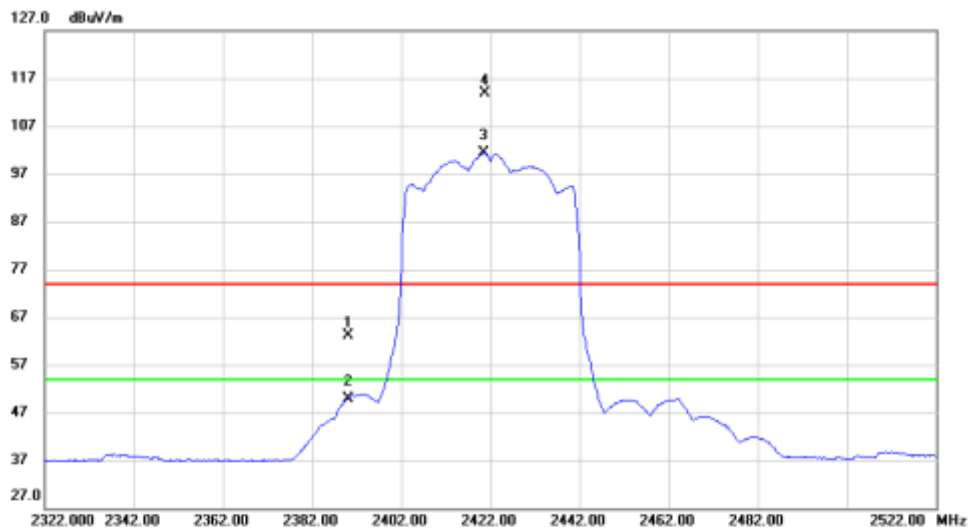


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | * | 4925.000 | 55.65 | -13.52 | 42.13 | 74.00 | -31.87 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|---------------------------|--------------|----------|
| Test Mode | TX AX(HE40) Mode 2422 MHz | Polarization | Vertical |
|-----------|---------------------------|--------------|----------|

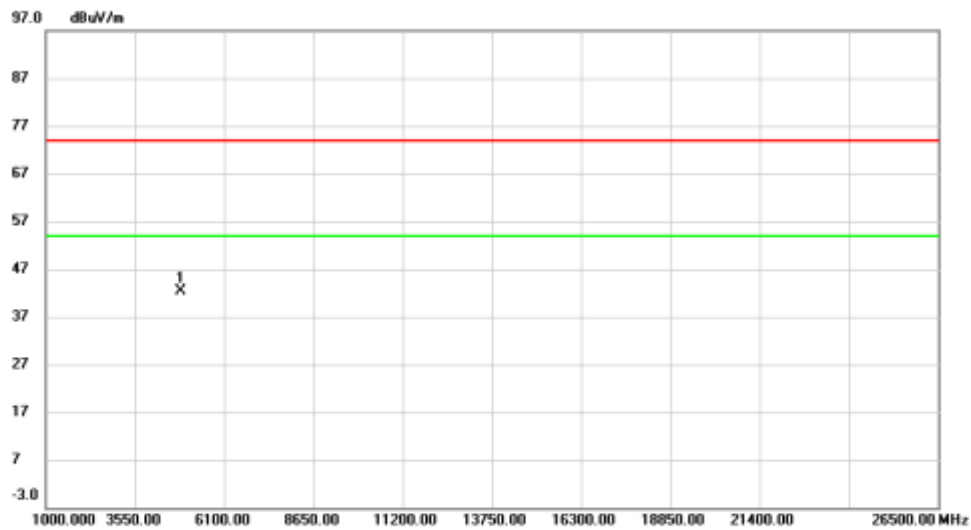


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1 | | 2390.000 | 29.81 | 33.27 | 63.08 | 74.00 | -10.92 | peak | |
| 2 | | 2390.000 | 16.71 | 33.27 | 49.98 | 54.00 | -4.02 | AVG | |
| 3 | * | 2420.600 | 68.06 | 33.37 | 101.43 | 54.00 | 47.43 | AVG | No Limit |
| 4 | X | 2420.800 | 80.41 | 33.37 | 113.78 | 74.00 | 39.78 | peak | No Limit |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|---------------------------|--------------|------------|
| Test Mode | TX AX(HE40) Mode 2422 MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|

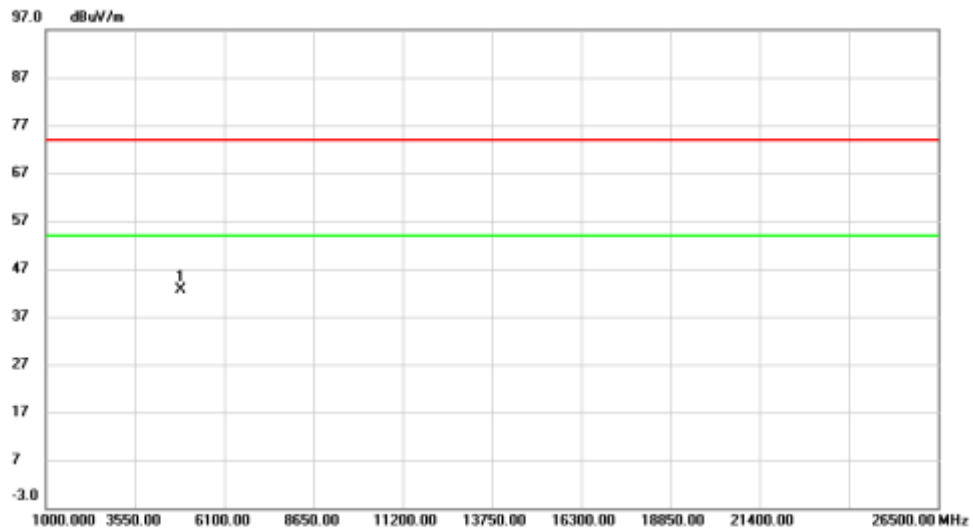


| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1 | * | 4844.610 | 56.27 | -13.92 | 42.35 | 74.00 | -31.65 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|---------------------------|--------------|------------|
| Test Mode | TX AX(HE40) Mode 2437 MHz | Polarization | Horizontal |
|-----------|---------------------------|--------------|------------|

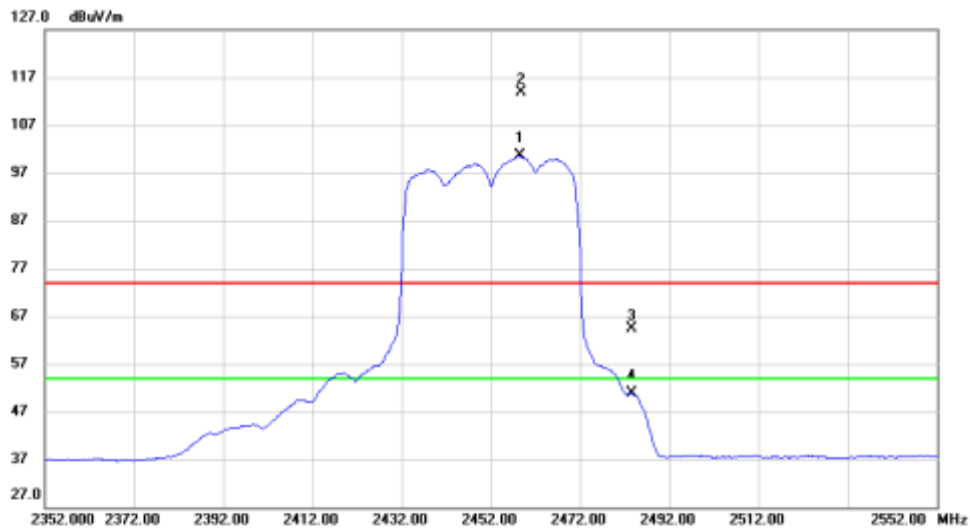


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 4874.230 | 56.47 | -13.77 | 42.70 | 74.00 | -31.30 | peak | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

| | | | |
|-----------|---------------------------|--------------|---------|
| Test Mode | TX AX(HE40) Mode 2452 MHz | Polarization | Vertial |
|-----------|---------------------------|--------------|---------|



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|----------|
| 1 | * | 2458.400 | 67.10 | 33.49 | 100.59 | 54.00 | 46.59 | AVG | No Limit |
| 2 | X | 2458.790 | 80.48 | 33.50 | 113.98 | 74.00 | 39.98 | peak | No Limit |
| 3 | | 2483.500 | 30.79 | 33.58 | 64.37 | 74.00 | -9.63 | peak | |
| 4 | | 2483.500 | 17.26 | 33.58 | 50.84 | 54.00 | -3.16 | AVG | |

REMARKS:

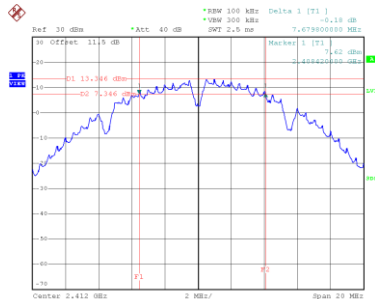
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

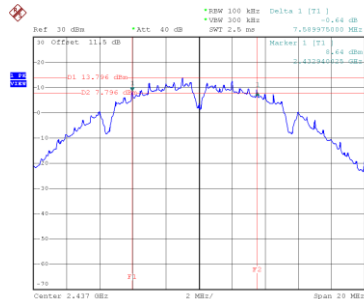
| | |
|-----------|-----------|
| Test Mode | TX B Mode |
|-----------|-----------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 01 | 2412 | 7.680 | 13.120 | 0.5 | Complies |
| 06 | 2437 | 7.590 | 13.360 | 0.5 | Complies |
| 11 | 2462 | 7.620 | 13.120 | 0.5 | Complies |

CH01

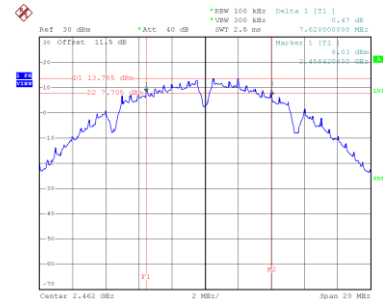


Date: 14.NOV.2022 09:16:08

CH06
6 dB Bandwidth


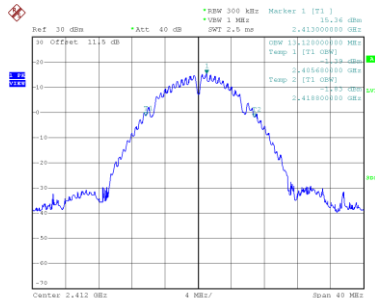
Date: 14.NOV.2022 09:22:13

CH11

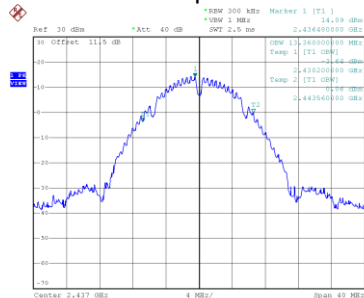


Date: 14.NOV.2022 09:31:31

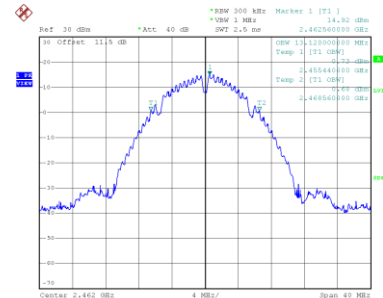
99 % Occupied Bandwidth



Date: 14.NOV.2022 09:16:16



Date: 14.NOV.2022 09:22:21

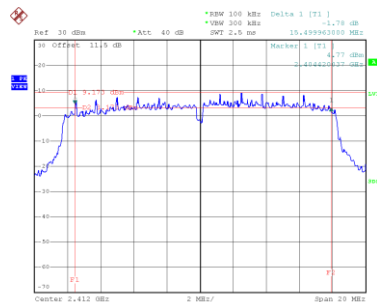


Date: 14.NOV.2022 09:31:39

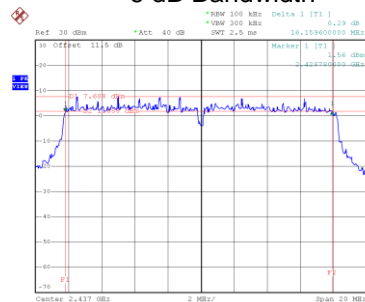
| | |
|-----------|-----------|
| Test Mode | TX G Mode |
|-----------|-----------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 01 | 2412 | 15.500 | 16.320 | 0.5 | Complies |
| 06 | 2437 | 16.160 | 16.560 | 0.5 | Complies |
| 11 | 2462 | 16.030 | 16.480 | 0.5 | Complies |

CH01

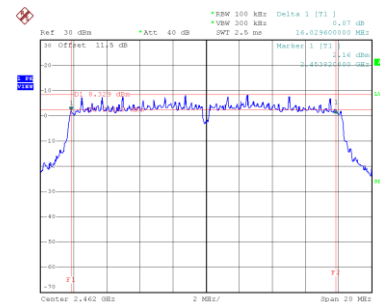


Date: 14.NOV.2022 09:39:23

CH06
6 dB Bandwidth


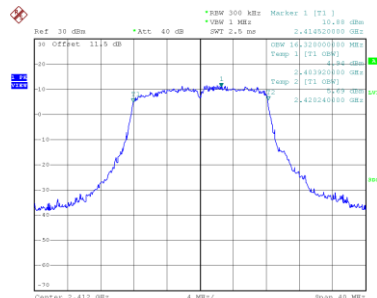
Date: 14.NOV.2022 09:48:51

CH11

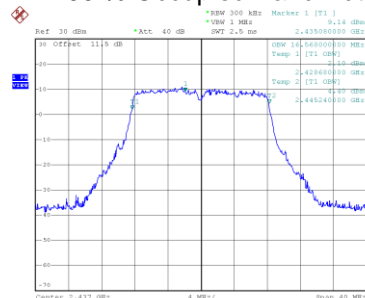


Date: 14.NOV.2022 09:52:50

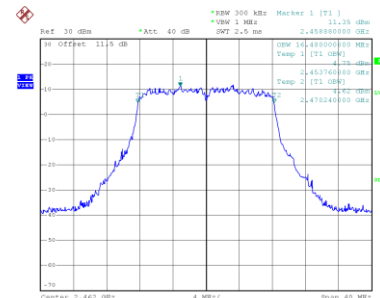
99 % Occupied Bandwidth



Date: 14.NOV.2022 09:39:30



Date: 14.NOV.2022 09:48:58

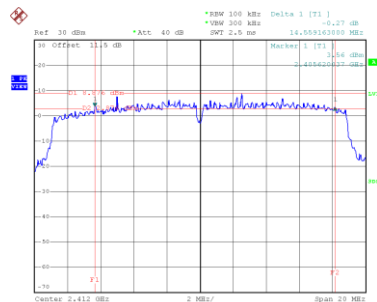


Date: 14.NOV.2022 09:52:57

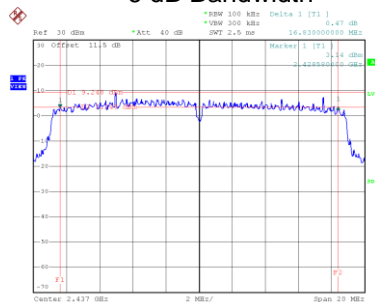
| | |
|-----------|-----------------|
| Test Mode | TX N(HT20) Mode |
|-----------|-----------------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 01 | 2412 | 14.559 | 17.520 | 0.5 | Complies |
| 06 | 2437 | 16.830 | 17.600 | 0.5 | Complies |
| 11 | 2462 | 15.039 | 17.600 | 0.5 | Complies |

CH01

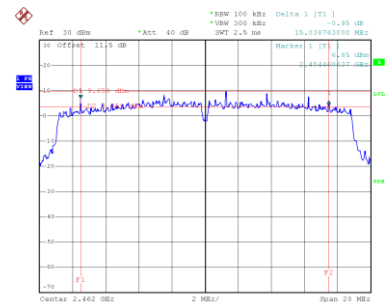


Date: 14.NOV.2022 10:02:42

CH06
6 dB Bandwidth


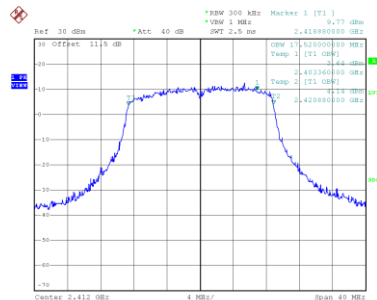
Date: 14.NOV.2022 10:18:33

CH11

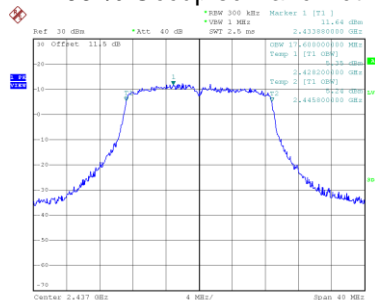


Date: 14.NOV.2022 10:20:51

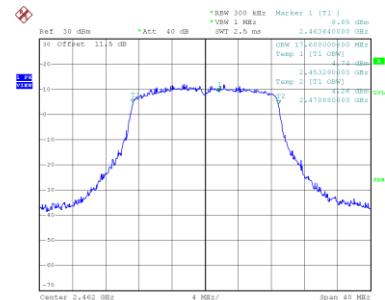
99 % Occupied Bandwidth



Date: 14.NOV.2022 10:02:49



Date: 14.NOV.2022 10:18:41

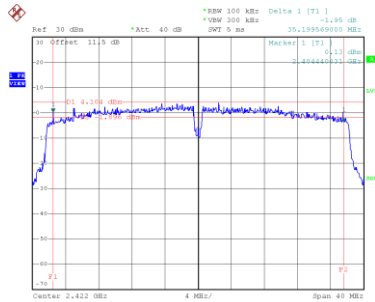


Date: 14.NOV.2022 10:20:58

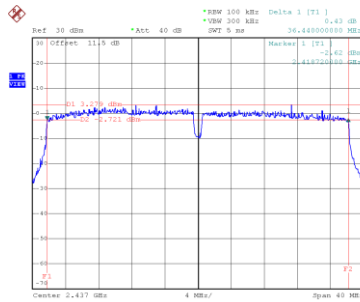
| | |
|-----------|-----------------|
| Test Mode | TX N(HT40) Mode |
|-----------|-----------------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 03 | 2422 | 35.200 | 35.840 | 0.5 | Complies |
| 06 | 2437 | 36.440 | 36.320 | 0.5 | Complies |
| 09 | 2452 | 36.040 | 36.000 | 0.5 | Complies |

CH03

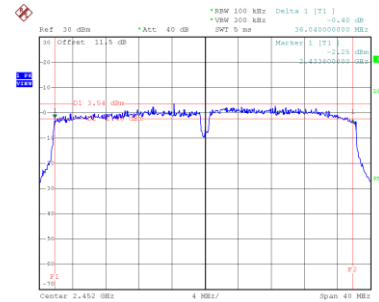


Date: 14.NOV.2022 10:31:27

CH06
6 dB Bandwidth


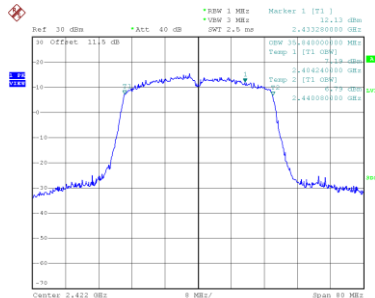
Date: 14.NOV.2022 11:08:07

CH09

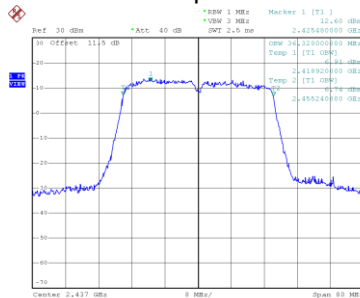


Date: 14.NOV.2022 11:15:40

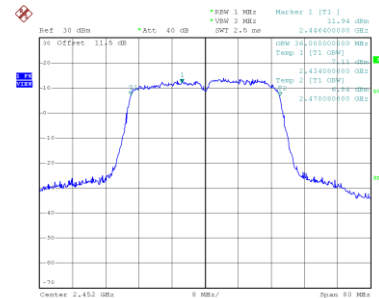
99 % Occupied Bandwidth



Date: 14.NOV.2022 10:31:34



Date: 14.NOV.2022 11:08:15

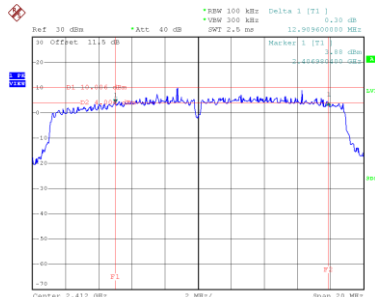
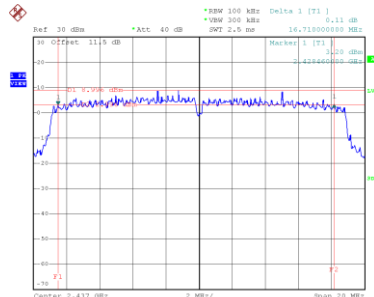


Date: 14.NOV.2022 11:15:47

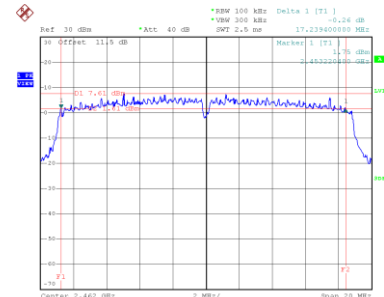
| | |
|-----------|------------------|
| Test Mode | TX AX(HE20) Mode |
|-----------|------------------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 01 | 2412 | 12.910 | 17.520 | 0.5 | Complies |
| 06 | 2437 | 16.710 | 17.600 | 0.5 | Complies |
| 11 | 2462 | 17.239 | 17.520 | 0.5 | Complies |

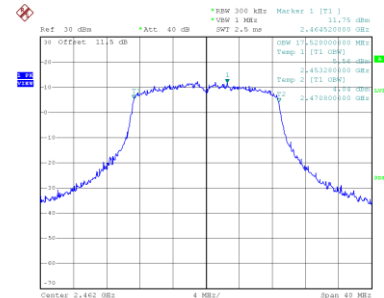
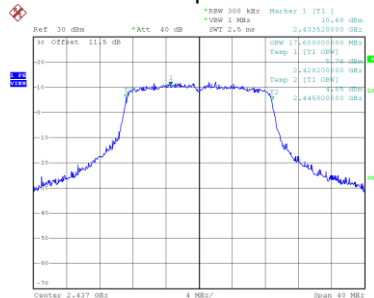
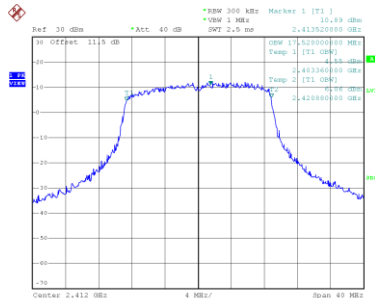
CH01


CH06
6 dB Bandwidth


CH11



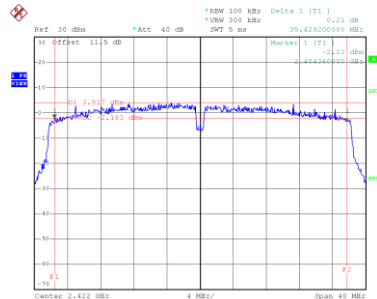
99 % Occupied Bandwidth



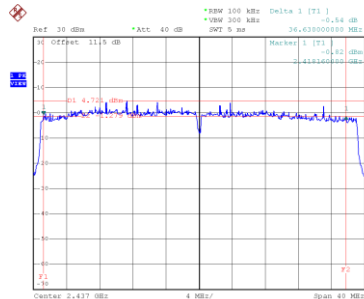
| | |
|-----------|------------------|
| Test Mode | TX AX(HE40) Mode |
|-----------|------------------|

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Result |
|---------|-----------------|----------------------|-------------------------------|---------------------------------|----------|
| 03 | 2422 | 35.429 | 35.840 | 0.5 | Complies |
| 06 | 2437 | 36.630 | 37.920 | 0.5 | Complies |
| 09 | 2452 | 36.230 | 37.600 | 0.5 | Complies |

CH03

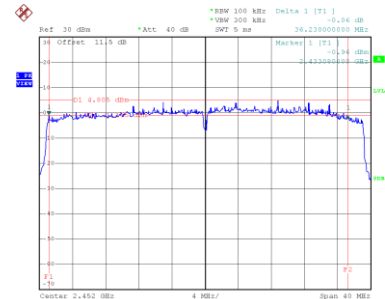


Date: 14.NOV.2022 11:48:19

CH06
6 dB Bandwidth


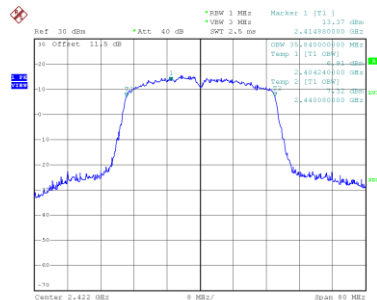
Date: 14.NOV.2022 13:37:38

CH09

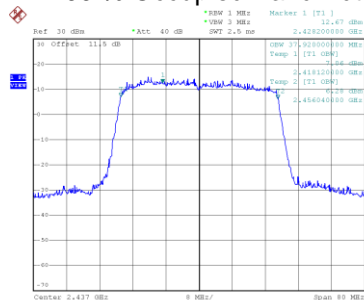


Date: 14.NOV.2022 14:00:46

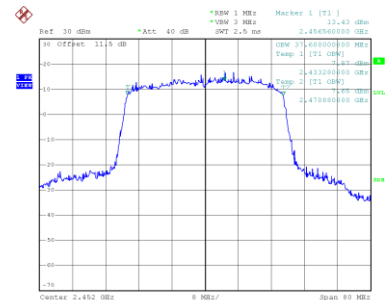
99 % Occupied Bandwidth



Date: 14.NOV.2022 11:48:16



Date: 14.NOV.2022 13:37:45



Date: 14.NOV.2022 14:00:53

APPENDIX F - MAXIMUM OUTPUT POWER

| | |
|-----------|------------------|
| Test Mode | TX B Mode_Ant. 1 |
|-----------|------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 18.61 | 2.63 | 21.24 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 20.05 | 2.63 | 22.68 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 20.14 | 2.63 | 22.77 | 28.29 | 0.6745 | Complies |

| | |
|-----------|------------------|
| Test Mode | TX B Mode_Ant. 2 |
|-----------|------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 18.45 | 2.63 | 21.08 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 19.93 | 2.63 | 22.56 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 20.05 | 2.63 | 22.68 | 28.29 | 0.6745 | Complies |

| | |
|-----------|-----------------|
| Test Mode | TX B Mode_Total |
|-----------|-----------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 01 | 2412 | 24.17 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 25.63 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 25.73 | 28.29 | 0.6745 | Complies |

| | |
|-----------|------------------|
| Test Mode | TX G Mode_Ant. 1 |
|-----------|------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 19.11 | 0.41 | 19.52 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 19.08 | 0.41 | 19.49 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 19.15 | 0.41 | 19.56 | 28.29 | 0.6745 | Complies |

| | |
|-----------|------------------|
| Test Mode | TX G Mode_Ant. 2 |
|-----------|------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 18.97 | 0.41 | 19.38 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 18.96 | 0.41 | 19.37 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 19.03 | 0.41 | 19.44 | 28.29 | 0.6745 | Complies |

| | |
|-----------|-----------------|
| Test Mode | TX G Mode_Total |
|-----------|-----------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 01 | 2412 | 22.46 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 22.44 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 22.51 | 28.29 | 0.6745 | Complies |

| | |
|-----------|------------------------|
| Test Mode | TX N(HT20) Mode_Ant. 1 |
|-----------|------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 18.96 | 0.40 | 19.36 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 19.08 | 0.40 | 19.48 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 19.18 | 0.40 | 19.58 | 28.29 | 0.6745 | Complies |

| | |
|-----------|------------------------|
| Test Mode | TX N(HT20) Mode_Ant. 2 |
|-----------|------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 18.82 | 0.40 | 19.22 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 18.95 | 0.40 | 19.35 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 19.09 | 0.40 | 19.49 | 28.29 | 0.6745 | Complies |

| | |
|-----------|-----------------------|
| Test Mode | TX N(HT20) Mode_Total |
|-----------|-----------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 01 | 2412 | 22.30 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 22.42 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 22.54 | 28.29 | 0.6745 | Complies |

| | |
|-----------|------------------------|
| Test Mode | TX N(HT40) Mode_Ant. 1 |
|-----------|------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 03 | 2422 | 18.22 | 0.52 | 18.74 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 18.13 | 0.52 | 18.65 | 28.29 | 0.6745 | Complies |
| 09 | 2452 | 18.27 | 0.52 | 18.79 | 28.29 | 0.6745 | Complies |

| | |
|-----------|------------------------|
| Test Mode | TX N(HT40) Mode_Ant. 2 |
|-----------|------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 03 | 2422 | 18.14 | 0.52 | 18.66 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 18.02 | 0.52 | 18.54 | 28.29 | 0.6745 | Complies |
| 09 | 2452 | 18.19 | 0.52 | 18.71 | 28.29 | 0.6745 | Complies |

| | |
|-----------|-----------------------|
| Test Mode | TX N(HT40) Mode_Total |
|-----------|-----------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 03 | 2422 | 21.71 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 21.60 | 28.29 | 0.6745 | Complies |
| 09 | 2452 | 21.76 | 28.29 | 0.6745 | Complies |

| | |
|-----------|-------------------------|
| Test Mode | TX AX(HE20) Mode_Ant. 1 |
|-----------|-------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 16.62 | 0.37 | 16.99 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 19.16 | 0.37 | 19.53 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 17.76 | 0.37 | 18.13 | 28.29 | 0.6745 | Complies |

| | |
|-----------|-------------------------|
| Test Mode | TX AX(HE20) Mode_Ant. 2 |
|-----------|-------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 16.57 | 0.37 | 16.94 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 19.07 | 0.37 | 19.44 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 17.52 | 0.37 | 17.89 | 28.29 | 0.6745 | Complies |

| | |
|-----------|------------------------|
| Test Mode | TX AX(HE20) Mode_Total |
|-----------|------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 01 | 2412 | 19.97 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 22.49 | 28.29 | 0.6745 | Complies |
| 11 | 2462 | 21.02 | 28.29 | 0.6745 | Complies |

| | |
|-----------|-------------------------|
| Test Mode | TX AX(HE40) Mode_Ant. 1 |
|-----------|-------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 03 | 2422 | 14.84 | 0.39 | 15.23 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 16.49 | 0.39 | 16.88 | 28.29 | 0.6745 | Complies |
| 09 | 2452 | 15.39 | 0.39 | 15.78 | 28.29 | 0.6745 | Complies |

| | |
|-----------|-------------------------|
| Test Mode | TX AX(HE40) Mode_Ant. 2 |
|-----------|-------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|-------------|----------------------------------|------------------|----------------|----------|
| 03 | 2422 | 14.60 | 0.39 | 14.99 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 16.36 | 0.39 | 16.75 | 28.29 | 0.6745 | Complies |
| 09 | 2452 | 15.37 | 0.39 | 15.76 | 28.29 | 0.6745 | Complies |

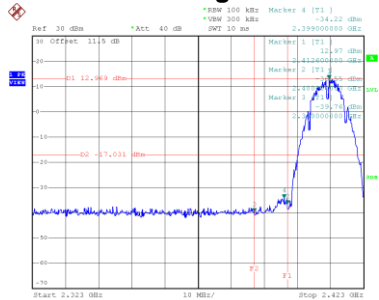
| | |
|-----------|------------------------|
| Test Mode | TX AX(HE40) Mode_Total |
|-----------|------------------------|

| Channel | Frequency (MHz) | Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|--------------------|------------------|----------------|----------|
| 03 | 2422 | 18.12 | 28.29 | 0.6745 | Complies |
| 06 | 2437 | 19.82 | 28.29 | 0.6745 | Complies |
| 09 | 2452 | 18.78 | 28.29 | 0.6745 | Complies |

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

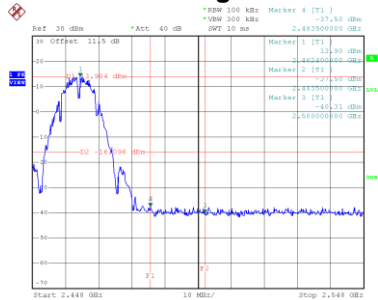
Test Mode TX B Mode_Ant. 1

Bandedge-CH01



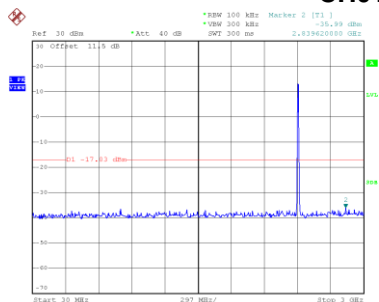
Date: 14.NOV.2022 09:16:24

Bandedge-CH11

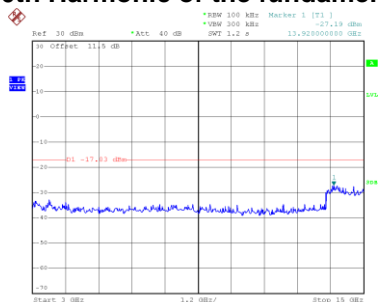


Date: 14.NOV.2022 14:11:27

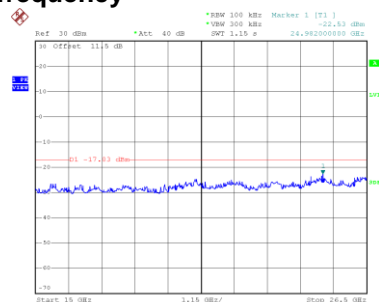
CH01 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 09:16:38

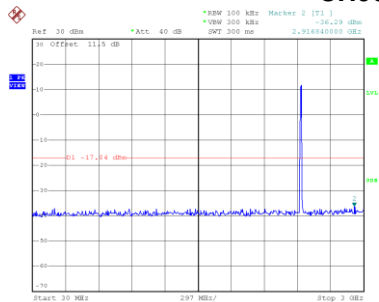


Date: 14.NOV.2022 09:16:47

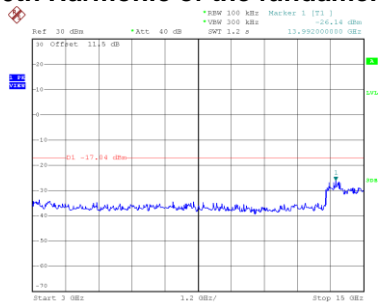


Date: 14.NOV.2022 09:16:55

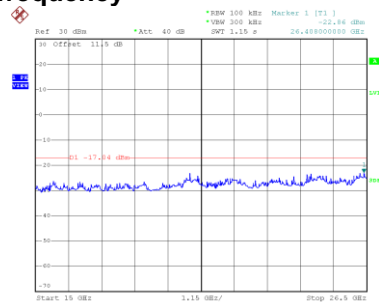
CH06 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 09:23:21

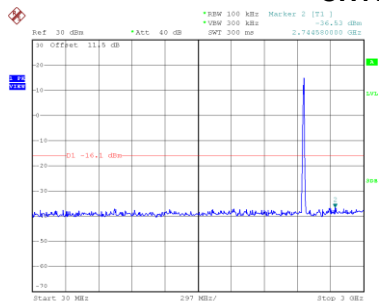


Date: 14.NOV.2022 09:23:30

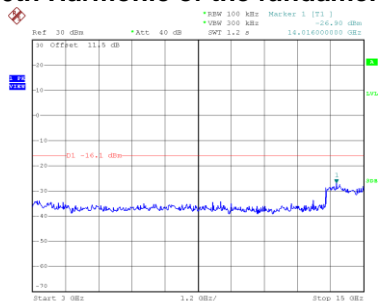


Date: 14.NOV.2022 09:23:38

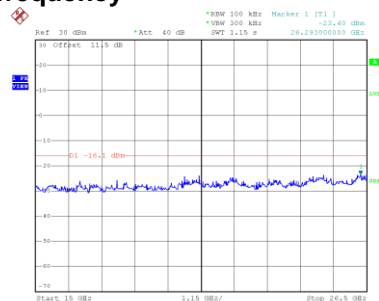
CH11 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 14:11:41



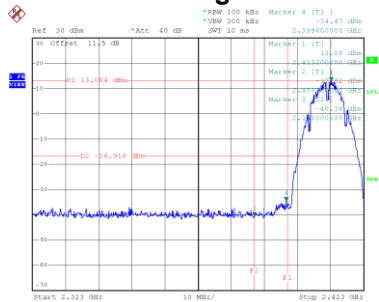
Date: 14.NOV.2022 14:11:49



Date: 14.NOV.2022 14:11:58

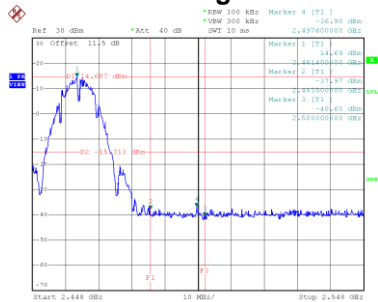
Test Mode TX B Mode_Ant. 2

Bandedge-CH01



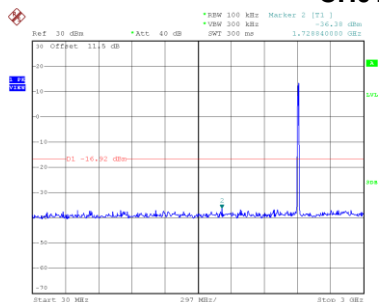
Date: 14.NOV.2022 09:18:26

Bandedge-CH11

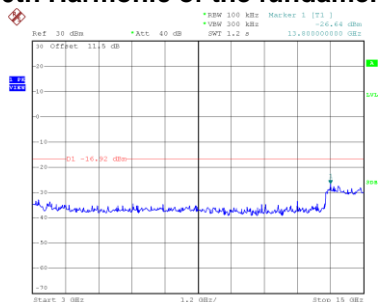


Date: 14.NOV.2022 14:12:47

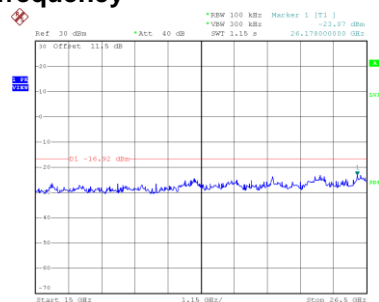
CH01 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 09:18:40

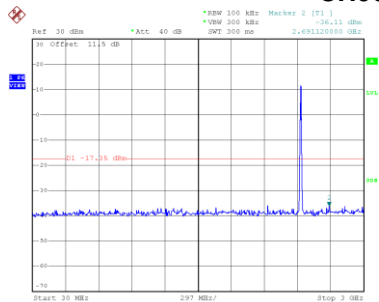


Date: 14.NOV.2022 09:18:48

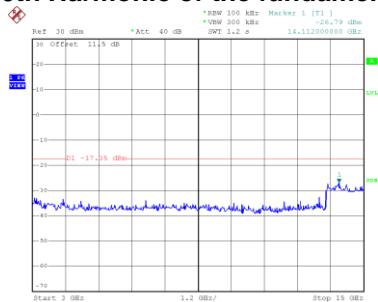


Date: 14.NOV.2022 09:18:56

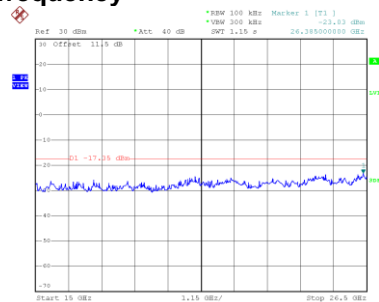
CH06 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 14:07:39

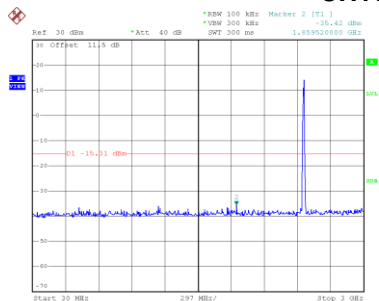


Date: 14.NOV.2022 14:07:47

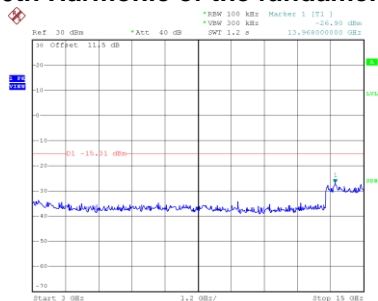


Date: 14.NOV.2022 14:07:55

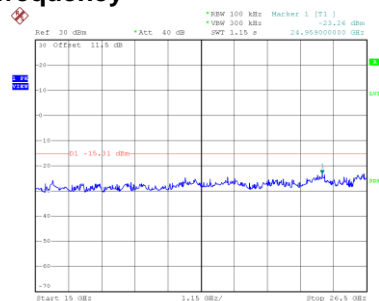
CH11 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 14:13:01



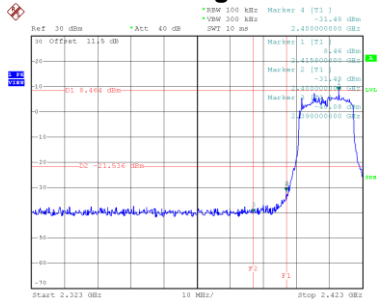
Date: 14.NOV.2022 14:13:10



Date: 14.NOV.2022 14:13:18

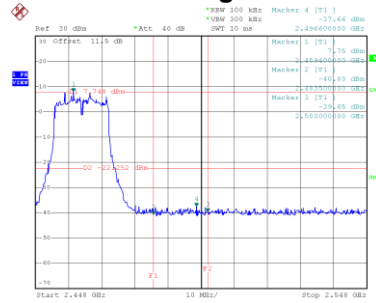
Test Mode TX G Mode_Ant. 1

Bandedge-CH01



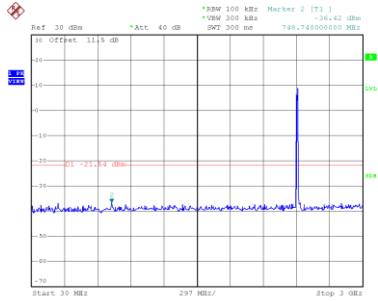
Date: 14.NOV.2022 09:39:38

Bandedge-CH11

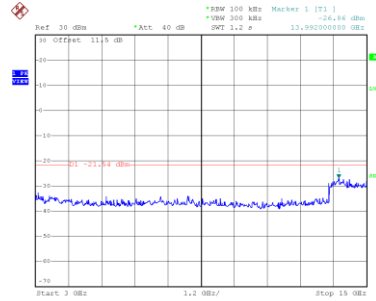


Date: 14.NOV.2022 09:53:06

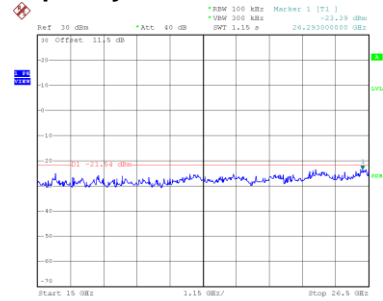
CH01 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 09:39:52

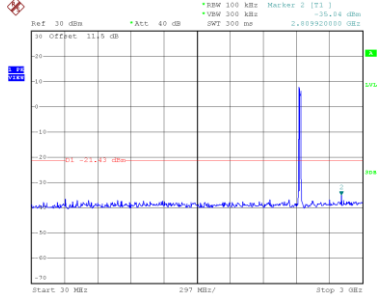


Date: 14.NOV.2022 09:40:01

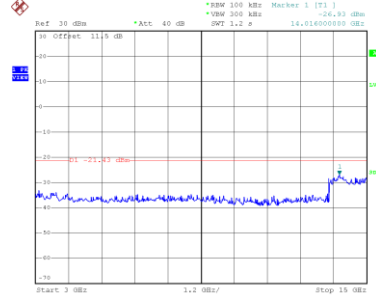


Date: 14.NOV.2022 09:40:09

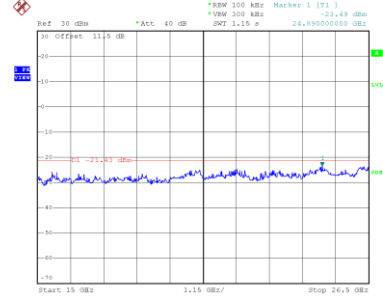
CH06 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 14:14:54

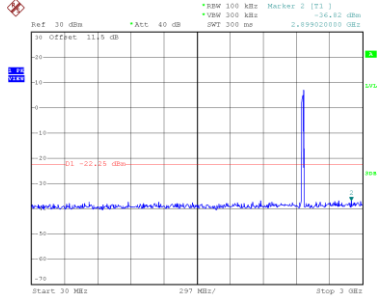


Date: 14.NOV.2022 14:15:02

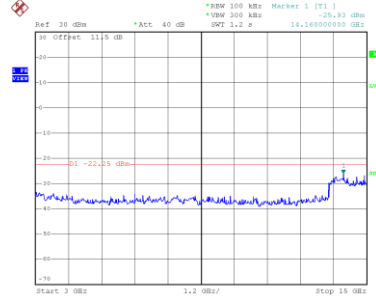


Date: 14.NOV.2022 14:15:10

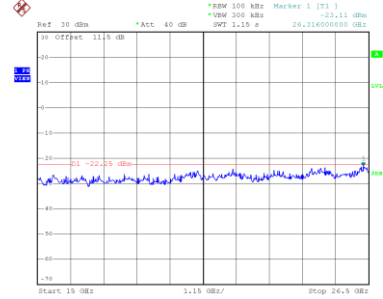
CH11 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 09:53:19



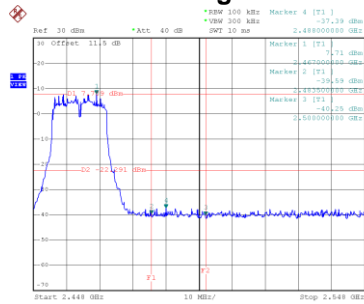
Date: 14.NOV.2022 09:53:28



Date: 14.NOV.2022 09:53:36

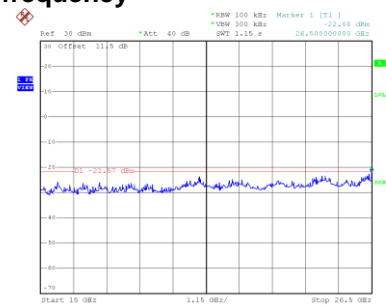
TX G Mode_Ant. 2

Bandedge-CH11



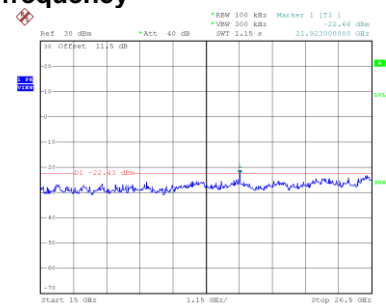
Date: 14.NOV.2022 14:18:18

CH01 – 10th Harmonic of the fundamental frequency



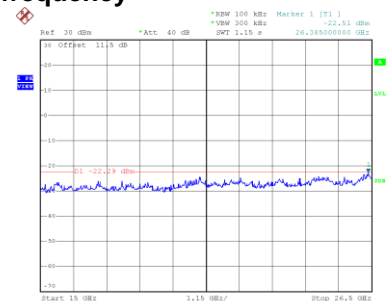
Date: 14.NOV.2022 09:38:06

CH06 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 09:51:14

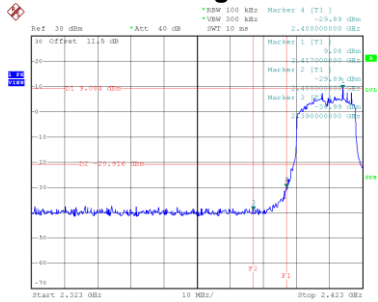
CH11 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 14:18:49

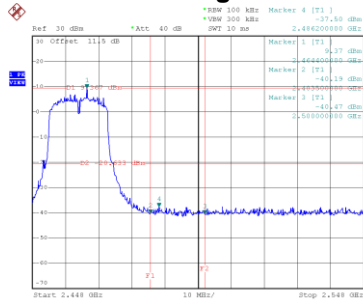
Test Mode TX N(HT20) Mode_Ant. 2

Bandedge-CH01



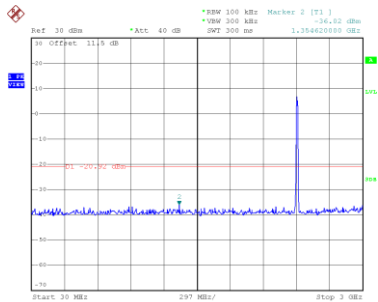
Date: 14.NOV.2022 10:07:40

Bandedge-CH11

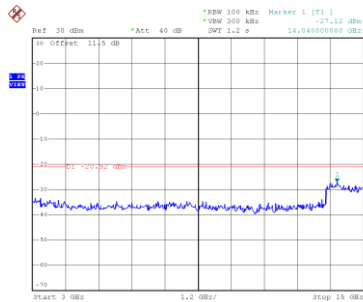


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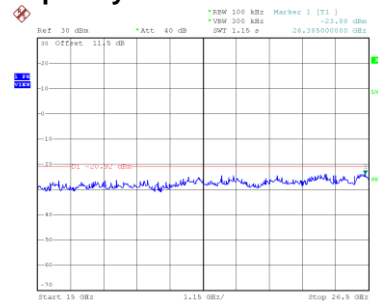
CH01 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 10:07:54

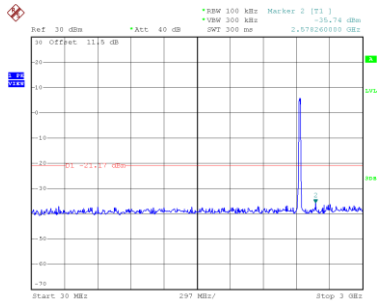


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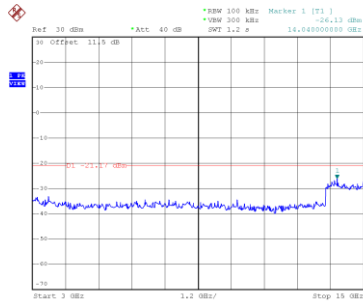


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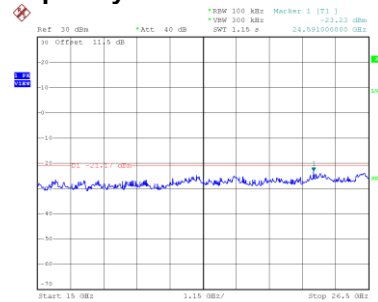
CH06 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 10:17:15

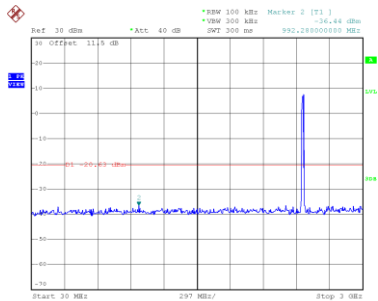


Date: 14.NOV.2022 10:17:24

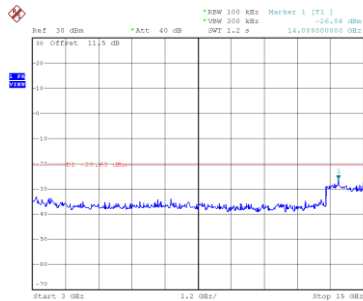


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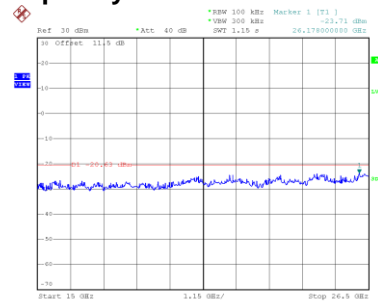
CH11 – 10th Harmonic of the fundamental frequency



Date: 14.NOV.2022 10:24:53



Date: 14.NOV.2022 10:25:01



Date: 14.NOV.2022 10:25:09