

FCC Radio Test Report

FCC ID: KA2IRX1870A1

This report concerns: Original Grant

Project No. : 2007H027
Equipment : AX1800 Mesh Wi-Fi 6 Router
Brand Name : D-Link
Test Model : DIR-X1870
Series Model : N/A
Applicant : D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California United State 92708
Manufacturer : D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California United State 92708
Date of Receipt : Jul. 16, 2020
Date of Test : Jul. 16, 2020~Aug. 28, 2020
Issued Date : Sep. 10, 2020
Report Version : R01
Test Sample : Engineering Sample No.: SH20200716113-1, SH20200716113-6
Standard(s) : FCC Part15, Subpart C (15.247)
ANSI C63.10-2013
KDB 558074 D01 15.247 Meas Guidance v05r02
KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Allen Wei

Prepared by : Allen Wei

Ryan Wang

Approved by : Ryan Wang

Add: No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China

TEL: +86-021-61765666

Web: www.newbtl.com



Certificate # 5123. 03

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

| Report Version | Description | Issued Date |
|----------------|---|---------------|
| R00 | Original Issue. | Sep. 08, 2020 |
| R01 | Revised report to address TCB's comments. | Sep. 10, 2020 |

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC Part15, Subpart C (15.247) | | | | |
|-------------------------------------|-----------------------------------|--|----------|---------|
| 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

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China
 BTL's Test Firm Registration Number for FCC: 476765
 BTL's Designation Number for FCC: CN1241

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 BTL measurement uncertainty as below table:

A. Radiated emissions test:

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U, (dB) |
|-----------|--------|-----------------------------|------------|---------|
| SH-CB01 | CISPR | 9 KHz~30 MHz | V | 3.79 |
| | | 9 KHz~30 MHz | H | 3.57 |
| | | 30 MHz~200 MHz | V | 4.04 |
| | | 30 MHz~200 MHz | H | 3.76 |
| | | 200 MHz~1,000 MHz | V | 4.24 |
| | | 200 MHz~1,000 MHz | H | 3.84 |
| | | 1 GHz~18 GHz | V | 4.46 |
| | | 1 GHz~18 GHz | H | 4.40 |
| | | 18 GHz~40 GHz | V | 3.95 |
| | | 18 GHz~40 GHz | H | 3.95 |

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 | 23°C | 52% | AC 120V/60Hz | Forest |
| Radiated Emissions-30 MHz to 1GHz | 23°C | 52% | AC 120V/60Hz | Forest |
| Radiated Emissions-Above 1000 MHz | 23°C | 52% | AC 120V/60Hz | Forest |
| Bandwidth | 24°C | 56% | AC 120V/60Hz | Forest |
| Maximum output power | 24°C | 56% | AC 120V/60Hz | Forest |
| Conducted Spurious Emissions | 24°C | 56% | AC 120V/60Hz | Forest |
| Power Spectral Density | 24°C | 56% | AC 120V/60Hz | Forest |

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| | |
|--------------------------------------|--|
| Equipment | AX1800 Mesh Wi-Fi 6 Router |
| Brand Name | D-Link |
| Test Model | DIR-X1870 |
| Series Model | N/A |
| Model Difference(s) | N/A |
| Software Version | 1 |
| Hardware Version | A1 |
| Power Source | DC voltage supplied from AC/DC adapter. 1#Brand/Mode: S12A12-120A100-CJ 2#Brand/Mode: WB-12G12R |
| Power Rating | 1# I/P: 100V-240V ~ 50Hz/60Hz Max0.5A, O/P:12V === 1A. 2# I/P: 100V-240V ~ 50Hz/60Hz 0.3A Max, O/P:12V === 1.0A.12W |
| Operation Frequency | 2412 MHz ~ 2462 MHz |
| Modulation Type | OFDM,OFDMA |
| Bit Rate of Transmitter | Up to 574Mbps |
| Maximum Avg Output Power CDD | IEEE 802.11ax (HE20): 24.21 dBm (0.2636 W) IEEE 802.11ax (HE40): 20.22 dBm (0.1052 W) |
| Maximum Avg Output Power Beamforming | IEEE 802.11ax (HE20): 24.14 dBm (0.1300 W) IEEE 802.11ax (HE40): 20.17 dBm (0.1040 W) |

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- Channel List:

| CH01 - CH11 for IEEE 802.11ax (HE20) CH03 - CH09 for 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 | | |

4. Antenna Specification:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|-------|------------|--------------|-----------|------------|
| 1 | N/A | N/A | Dipole | N/A | 5 |
| 2 | N/A | N/A | Dipole | N/A | 5 |

Note:

(1) Beamforming:

All antennas have the same gain, Directional gain = $G_{ANT} + 10 \log(N_{ANT})$ dBi,

that is Directional gain = $5 + 10 \log(2)$ dBi = 8.01;

So output power limit is $30 - 8.01 + 6 = 27.99$, the power density limit is $8 - (8.01 - 6) = 5.99$.

(2) CDD:

All antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$,

For power spectral density measurements, $N_{ANT} = 2$, $N_{SS} = 1$. So Directional gain = $G_{ANT} + \text{Array Gain} = 10 \log(N_{ANT}/N_{SS})$ dB = $5 + 10 \log(2/1)$ dBi = 8.01. Then, the power density limit is $8 - (8.01 - 6) = 5.99$.

For power measurements, Array Gain = 0 dB ($N_{ANT} \leq 4$), so the Directional gain = 5.

5. Table for Antenna Configuration:

| Operating Mode TX Mode | Ant. 1 | Ant. 2 | Ant. 1 + Ant. 2 |
|---------------------------|----------------------|--------|-----------------|
| | IEEE 802.11ax (HE20) | ✓ | ✓ |
| IEEE 802.11ax (HE40) | ✓ | ✓ | ✓ |

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 AX-20 Mode Channel 01/06/11 |
| Mode 2 | TX AX-40 Mode Channel 01/06/11 |
| Mode 3 | TX Mode |

Following mode(s) as (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 5 | TX Mode |

| Radiated emissions test - Below 1GHz | |
|--------------------------------------|-------------|
| Final Test Mode: | Description |
| Mode 5 | TX Mode |

| Radiated emissions test- Above 1GHz | |
|-------------------------------------|--------------------------------|
| Final Test Mode: | Description |
| Mode 1 | TX AX-20 Mode Channel 01/06/11 |
| Mode 2 | TX AX-40 Mode Channel 01/06/11 |

| Conducted test | |
|------------------|--------------------------------|
| Final Test Mode: | Description |
| Mode 1 | TX AX-20 Mode Channel 01/06/11 |
| Mode 2 | TX AX-40 Mode Channel 01/06/11 |

NOTE:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11n HT20 mode : BPSK (13 Mbps)
802.11n HT40 mode : BPSK (27 Mbps)
For radiated emission tests, the highest output powers were set for final test.
- (3) For conducted emissions and radiated emission below 1 GHz test, two power adapter has been pre-tested, but only the worst case recorded in this report.

2.3 PARAMETERS OF TEST SOFTWARE**CDD**

| Test Software | accessMTool.3.1.0.6 | | |
|-----------------------|---------------------|------|------|
| Frequency (MHz) | 2412 | 2437 | 2462 |
| IEEE 802.11 ax (HE20) | 64 | 82 | 66 |
| IEEE 802.11 ax (HE40) | 58 | 66 | 62 |

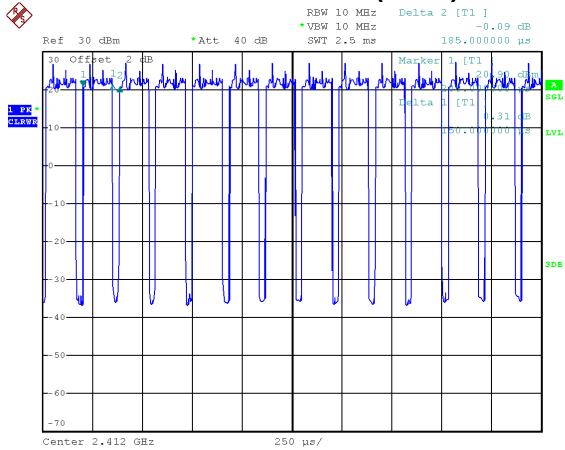
Beamforming

| Test Software | accessMTool.3.1.0.6 | | |
|-----------------------|---------------------|------|------|
| Frequency (MHz) | 2412 | 2437 | 2462 |
| IEEE 802.11 ax (HE20) | 64 | 82 | 66 |
| IEEE 802.11 ax (HE40) | 58 | 66 | 62 |

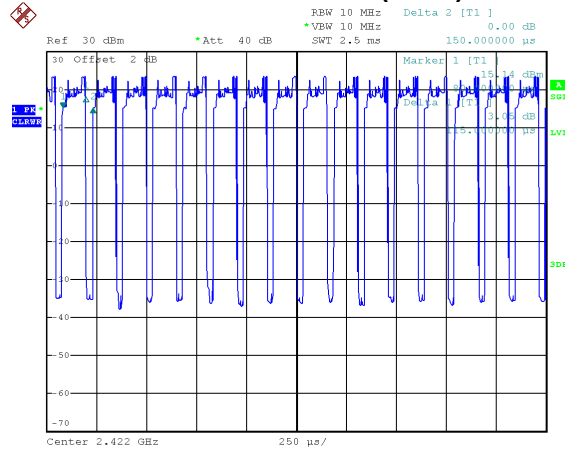
2.4 DUTY CYCLE

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 802.11ax (HE20)



IEEE 802.11ax (HE40)



Date: 28.JUL.2020 11:51:34

Duty cycle = $0.150 \text{ ms} / 0.185 \text{ ms} = 81.08\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.91$,

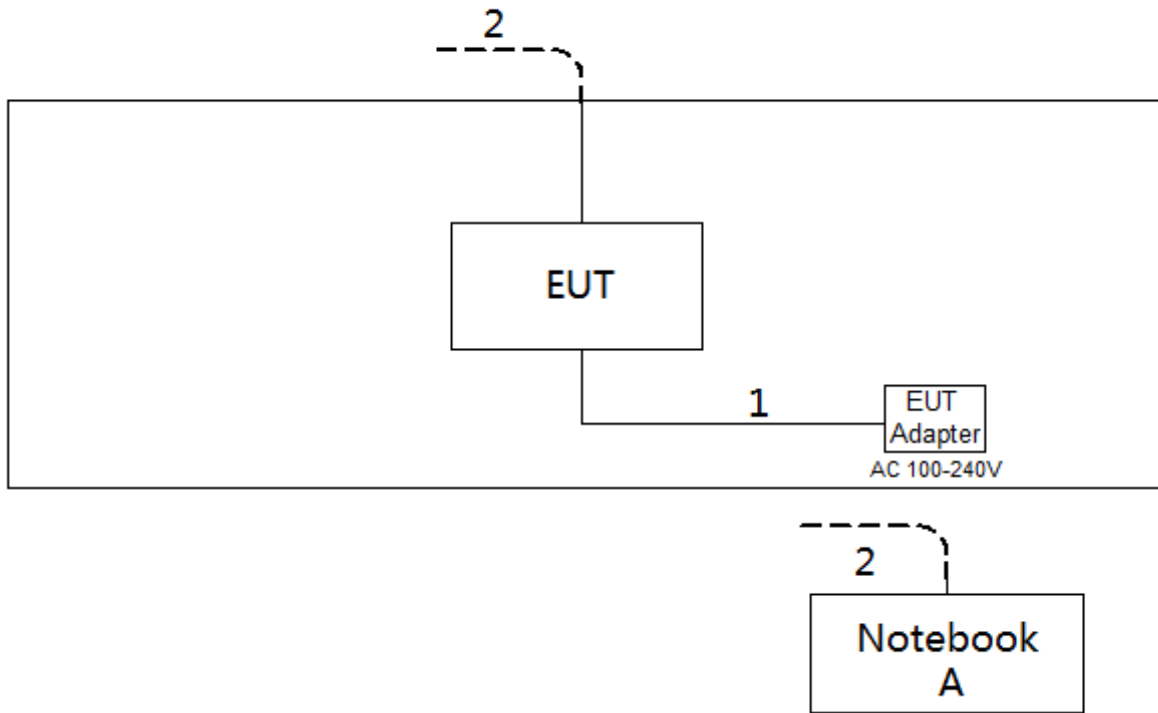
Date: 28.JUL.2020 11:50:25

Duty cycle = $0.115 \text{ ms} / 0.150 \text{ ms} = 76.67\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 1.15$

NOTE:

For IEEE 802.11ax (HE20) and 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 10 kHz (Duty cycle $< 98\%$).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

| Item | Equipment | Brand | Model No. | Series No. |
|------|-----------|--------|-----------|------------|
| A | Notebook | Lenovo | #P152014 | N/A |

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

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

| Frequency of Emission (MHz) | Limit (dB μ V) | |
|-----------------------------|--------------------|-----------|
| | Quasi-peak | Average |
| 0.15 - 0.50 | 66 to 56* | 56 to 46* |
| 0.50 - 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.

The following table is the setting of the receiver

| Receiver Parameters | Setting |
|---------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

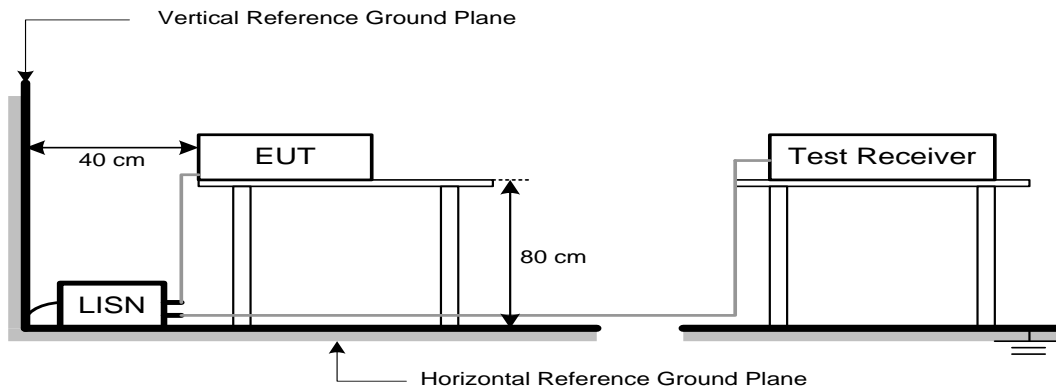
3.2 TEST PROCEDURE

- 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.

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 TEST

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) | Band edge/ Harmonic at 3m (dB μ V/m) | |
|-----------------|--|---------|
| | Peak | Average |
| Above 1000 | 74 | 54 |

NOTE:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dB μ V/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

| Spectrum Parameter | Setting |
|--|--|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RBW / VBW (Emission in restricted band) | 1 MHz / 3 MHz for Peak, 1 MHz / 1/T for Average |

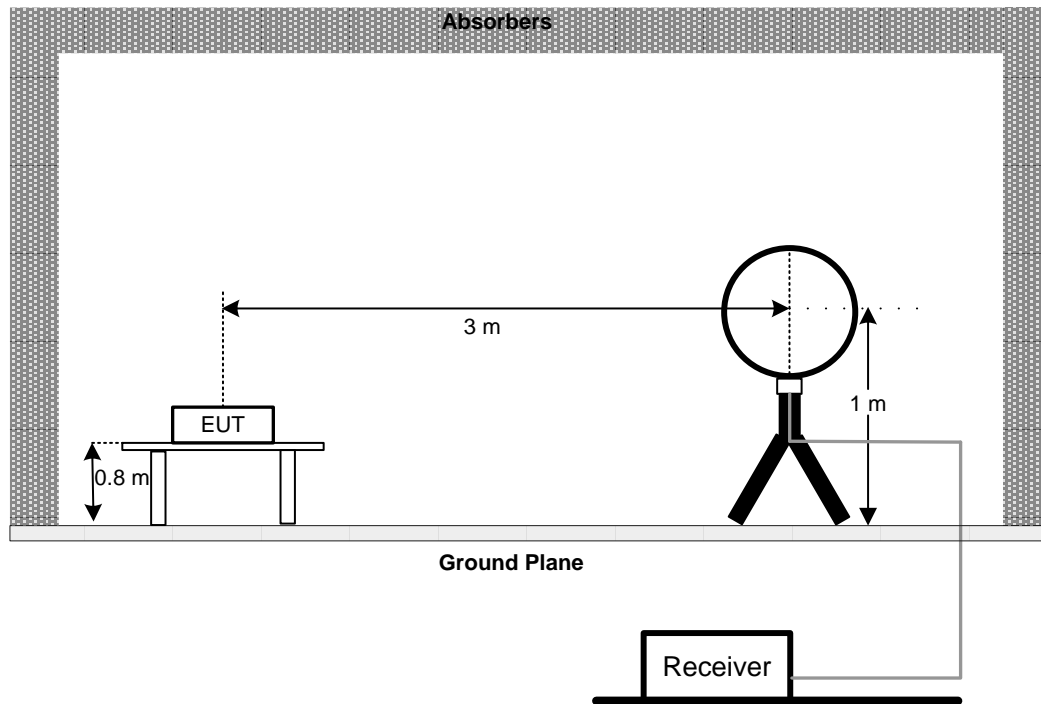
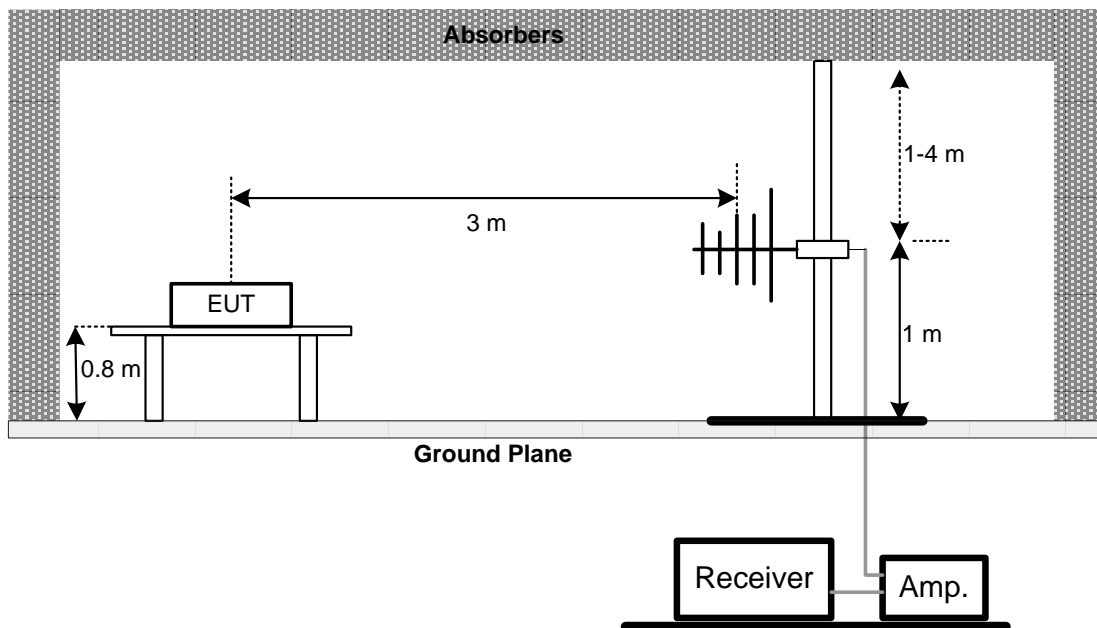
| Receiver Parameter | Setting |
|------------------------|-------------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9 kHz~90 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 90 kHz~110 kHz for QP detector |
| Start ~ Stop Frequency | 110 kHz~490 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490 kHz~30 MHz for QP detector |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for QP detector |

4.2 TEST PROCEDURE

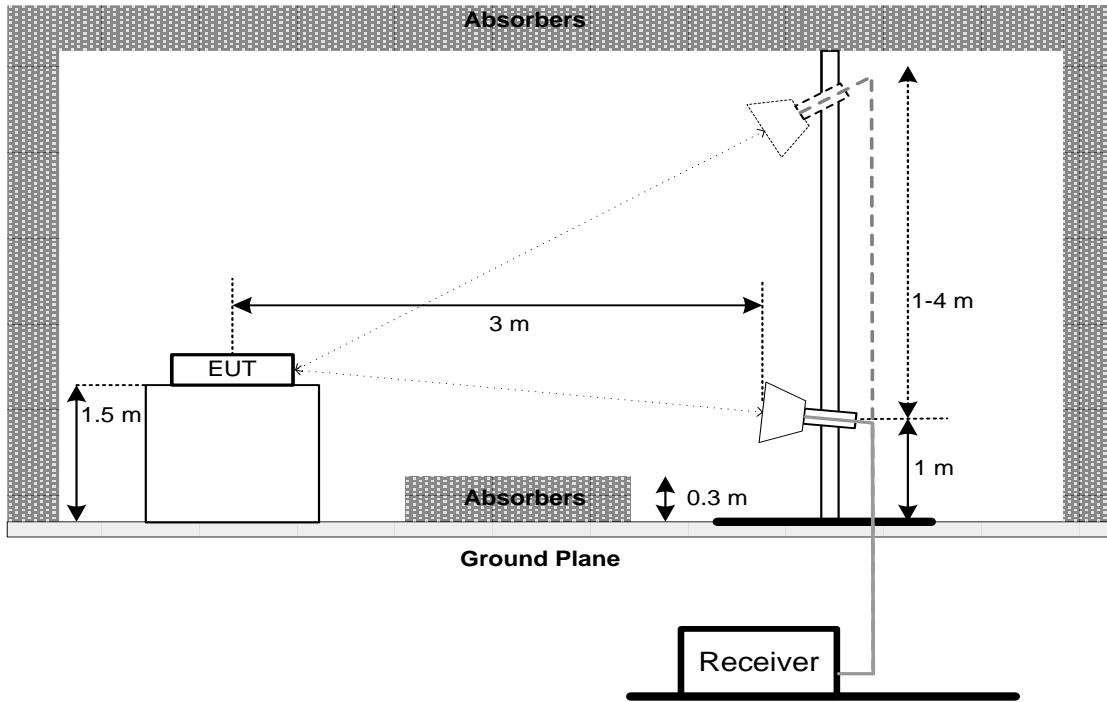
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance 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 1GHz)
- c. 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.
- d. 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).
- e. 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.
- f. 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.
- g. 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)
- h. 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)
- i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

4.3 DEVIATION FROM TEST STANDARD

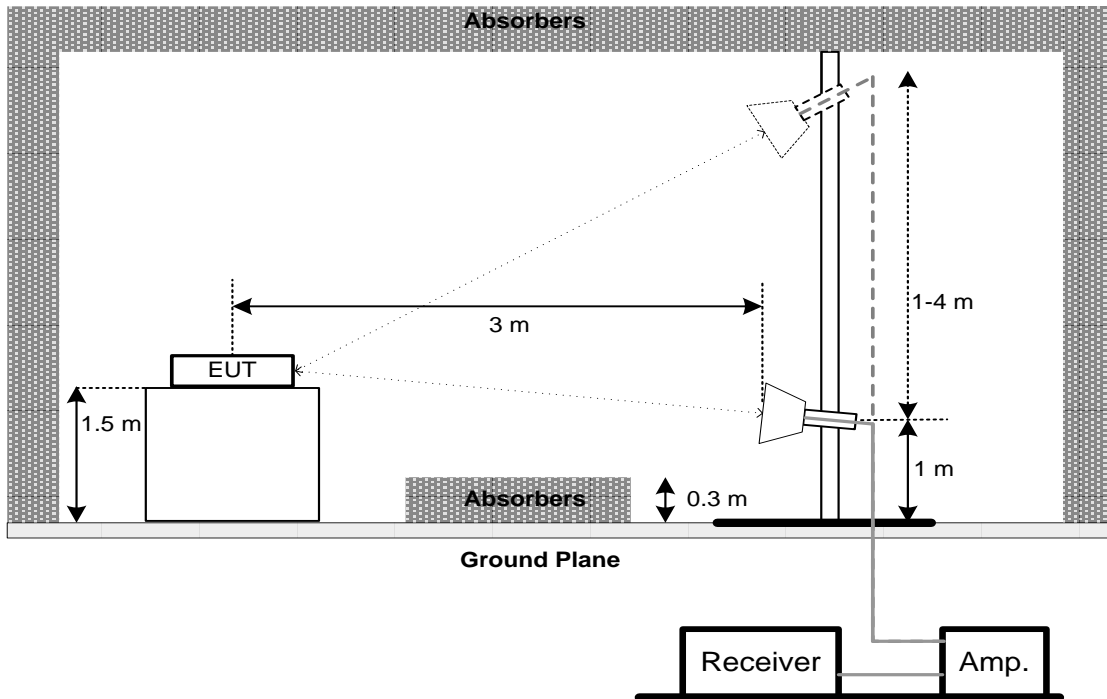
No deviation

4.4 TEST SETUP**9 kHz-30 MHz****30 MHz to 1 GHz**

**Above 1 GHz
Band edge**



Harmonic



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 TEST

5.1 LIMIT

| FCC Part15, Subpart C (15.247) | | |
|--------------------------------|------------------------|-----------------|
| Section | Test Item | Limit |
| 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.
- Spectrum Setting:
 - For 6 dB Bandwidth : RBW= 100 kHz, VBW=300 kHz, Sweep time = auto.
 - For 99% Emission Bandwidth B/G/N-20 Mode: RBW= 300 KHz, VBW=1 MHz, Sweep time = 2.5 ms.
 - For 99% Emission Bandwidth N-40 Mode: RBW= 1 MHz, VBW=3 MHz, Sweep time = 2.5 ms.
- The bandwidth was performed in accordance with method 11.8.1 of ANSI C63.10-2013.

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 TEST

6.1 LIMIT

| FCC Part15, Subpart C (15.247) | | |
|--------------------------------|----------------------|-----------------|
| Section | Test Item | Limit |
| 15.247(b)(3) | Maximum Output Power | 1 Watt or 30dBm |

6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.1.3 (for peak power) or 11.9.2.3.1 (for AVG power) of ANSI C63.10-2013.

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. Spectrum Setting: RBW= 100 kHz, VBW=300 kHz, 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 TEST

8.1 LIMIT

| FCC Part15, Subpart C (15.247) | | |
|--------------------------------|------------------------|-------------------------|
| Section | Test Item | Limit |
| 15.247(e) | Power Spectral Density | 8 dBm (in any 3 kHz) |

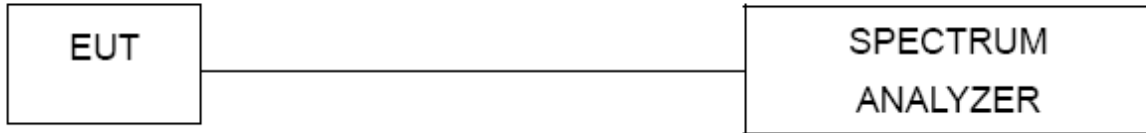
8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW=3 kHz, VBW=10 kHz, Sweep time = Auto.
- The Power Spectral Density was performed in accordance with method 11.10.2 of ANSI C63.10-2013.

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

| AC Power Line Conducted Emissions | | | | | |
|-----------------------------------|--------------------------------------|--------------|-----------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Line Impedance Stabilisation Network | Schwarzbeck | NNLK 8121 | 8121-822 | Mar. 21, 2021 |
| 2 | TWO-LINE V-NETWORK | R&S | ENV216 | 101340 | Sep. 01, 2020 |
| 3 | Test Cable | emci | EMCRG400-BM-N M-10000 | 170628 | Jul. 15, 2021 |
| 4 | EMI Test Receiver | R&S | ESCI | 100082 | Mar. 21, 2021 |
| 5 | 50Ω Terminator | SHX | TF2-1G-A | 17051602 | Mar. 21, 2021 |
| 6 | 50Ω coaxial switch | Anritsu | MP59B | 6201750902 | Mar. 21, 2021 |
| 7 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |

| Radiated Emissions - 9 kHz to 30 MHz | | | | | |
|--------------------------------------|----------------------|--------------|-----------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Loop Antenna | EMCI | EMCI LPA600 | 275 | Apr. 02, 2021 |
| 2 | EMI Test Receiver | R&S | ESCI | 100082 | Mar. 21, 2021 |
| 3 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |

| Radiated Emissions - 30 MHz to 1 GHz | | | | | |
|--------------------------------------|--------------------------|--------------|-----------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | TRILOG Broadband Antenna | Schwarzbeck | VULB 9168 | 719 | Apr. 02, 2021 |
| 2 | Pre-Amplifier | emci | EMC9135 | 980400 | Mar. 21, 2021 |
| 3 | MXE EMI Receiver | Keysight | N9038A | MY57150106 | May. 06, 2021 |
| 4 | Test Cable | emci | EMC104-SM-SM-7000 | 170330 | Apr. 13, 2021 |
| 5 | Test Cable | emci | EMC104-SM-SM-1000 | 170331 | Apr. 13, 2021 |
| 6 | Test Cable | emci | EMC104-SM-NM-3500 | 170621 | Apr. 13, 2021 |
| 7 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |

| Radiated Emissions - Above 1 GHz | | | | | |
|----------------------------------|--------------------------------------|--------------|------------------------------|-------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Double-Ridged Waveguide Horn Antenna | ETS-Lindgren | 9120D | 00206960 | Apr. 02, 2021 |
| 2 | Pre-Amplifier | emci | EMC012645SE | 980421 | May. 11, 2021 |
| 3 | EXA Spectrum Analyzer | Keysight | N9010A | MY56480545 | Mar. 21, 2021 |
| 4 | Test Cable | emci | EMC104-SM-SM-7000 | 170330 | Apr. 13, 2021 |
| 5 | Test Cable | emci | EMC104-SM-SM-1000 | 170331 | Apr. 13, 2021 |
| 6 | Test Cable | emci | EMC104-SM-NM-3500 | 170621 | Apr. 13, 2021 |
| 7 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 8 | MXE EMI Receiver | Keysight | N9038A | MY57150106 | May. 06, 2021 |
| 9 | Double-Ridged Waveguide Horn Antenna | ETS-Lindgren | 3116C | 00203919 | Mar. 21, 2021 |
| 10 | Pre-Amplifier | emci | EMC184045SE | 980409 | Mar. 21, 2021 |
| 11 | EXA Spectrum Analyzer | Keysight | N9010A | MY56480579 | Mar. 21, 2021 |
| 12 | Test Cable | emci | EMC102-KM-KM-800 | 170654 | Apr. 13, 2021 |
| 13 | Test Cable | emci | Super Reliable-40G-SS11-7000 | W0030860001 | Apr. 13, 2021 |
| 14 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |

| Bandwidth | | | | | |
|-----------|-------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP40 | 100626 | May. 06, 2021 |

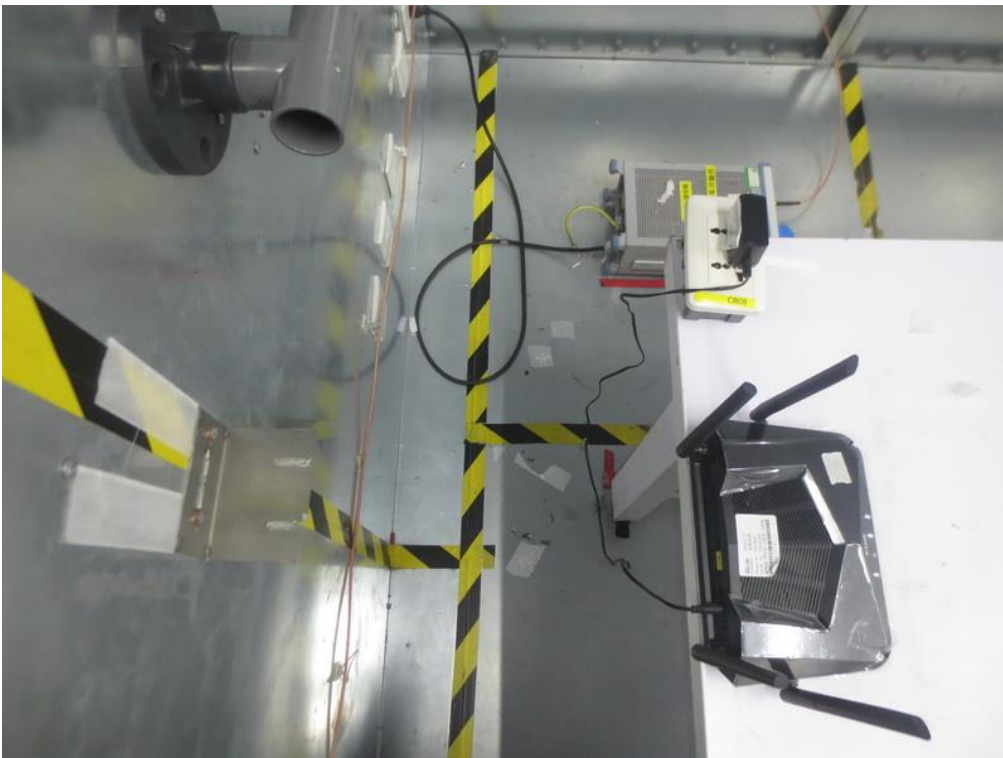
| Maximum Output Power | | | | | |
|----------------------|-----------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Peak Power Analyze | Keysight | 8990B | MY51000507 | Mar. 21, 2021 |
| 2 | Wideband Power Sensor | Keysight | N9123A | MY58310003 | Mar. 21, 2021 |

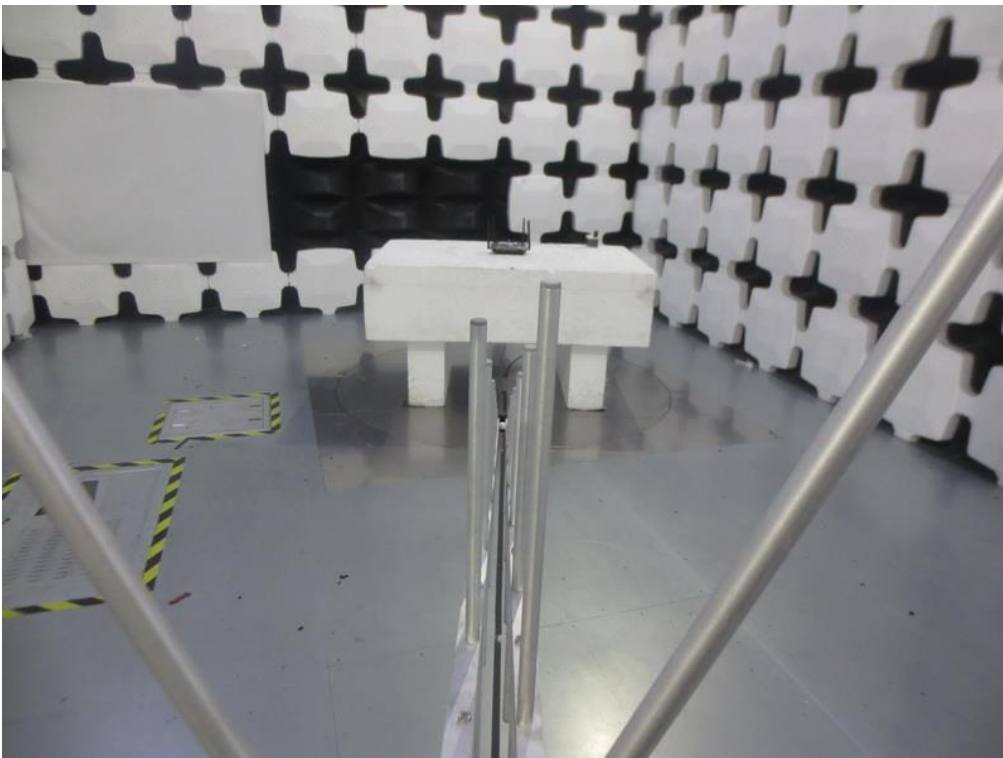
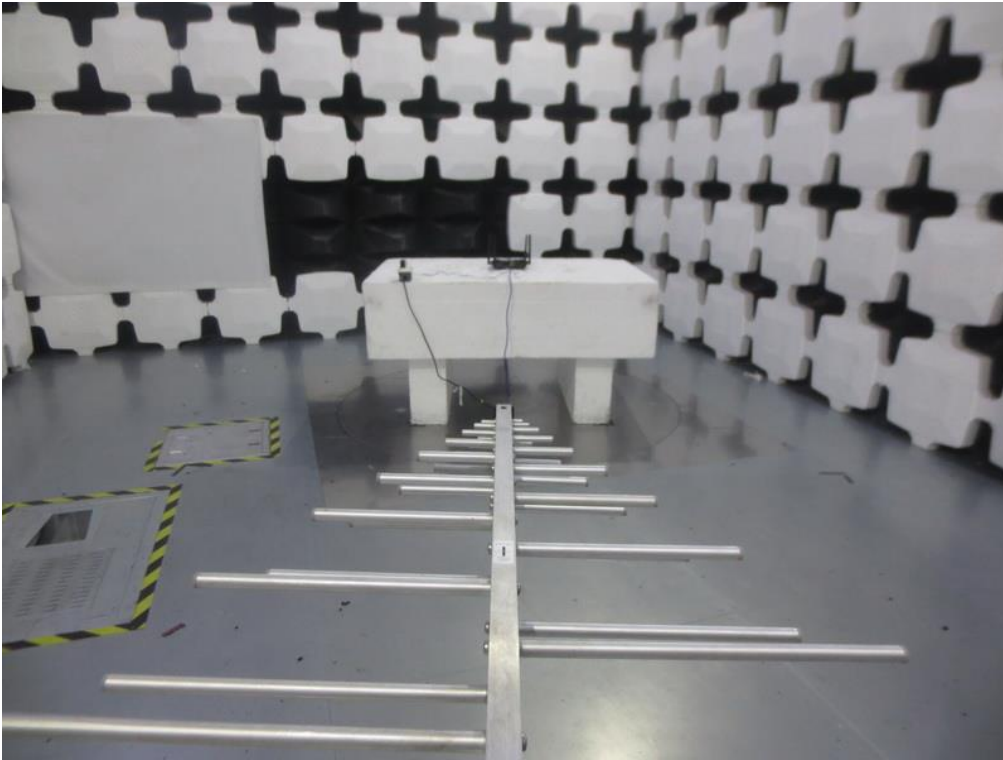
| Antenna Conducted Spurious Emissions | | | | | |
|--------------------------------------|-------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP40 | 100626 | May. 06, 2021 |

| Power Spectral Density | | | | | |
|------------------------|-------------------|--------------|----------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP40 | 100626 | May. 06, 2021 |

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

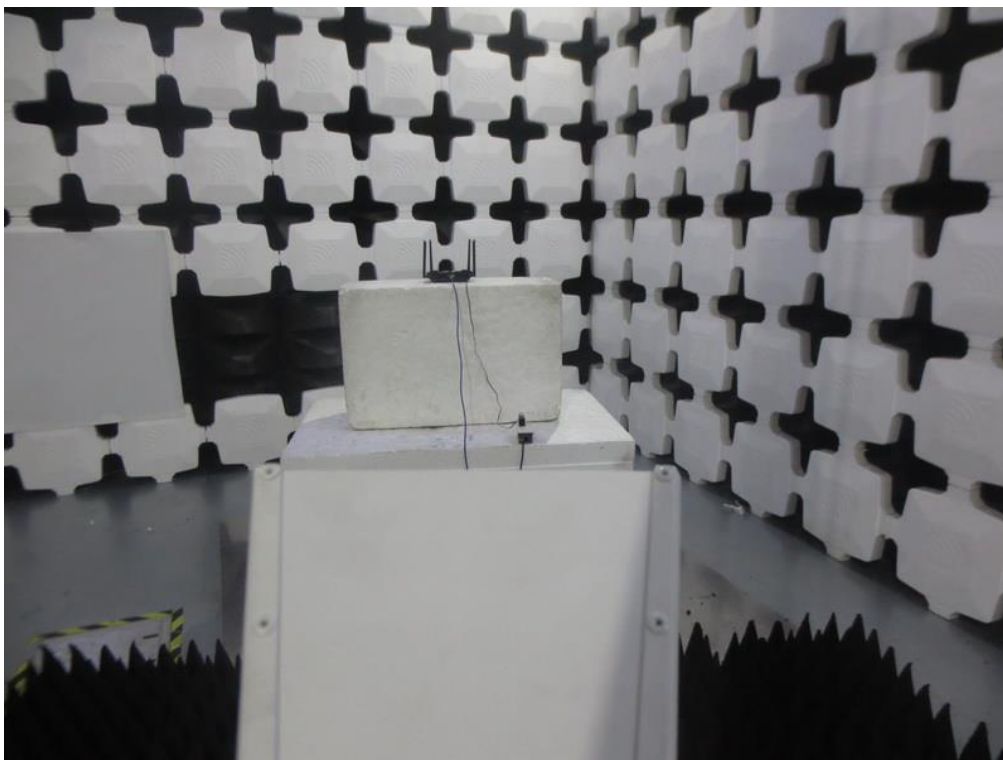
All calibration period of equipment list is one year.

10. EUT TEST PHOTO**Conducted Emissions Test Photos**

Radiated Emissions Test Photos**30 MHz to 1 GHz**

Radiated Emissions Test Photos

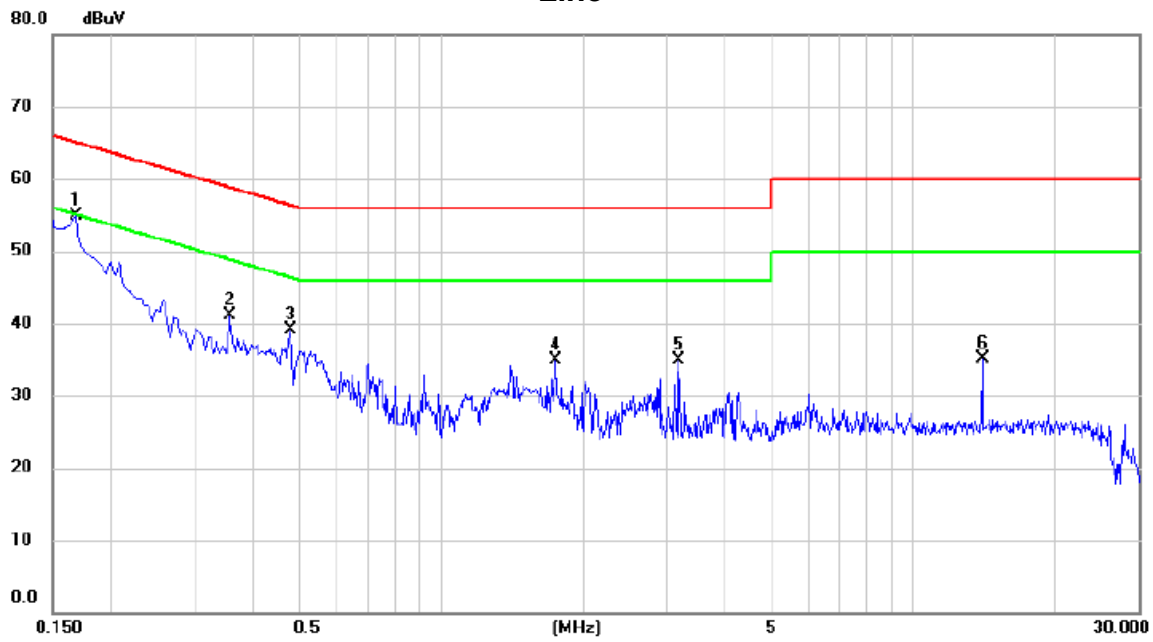
Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX Mode

Line



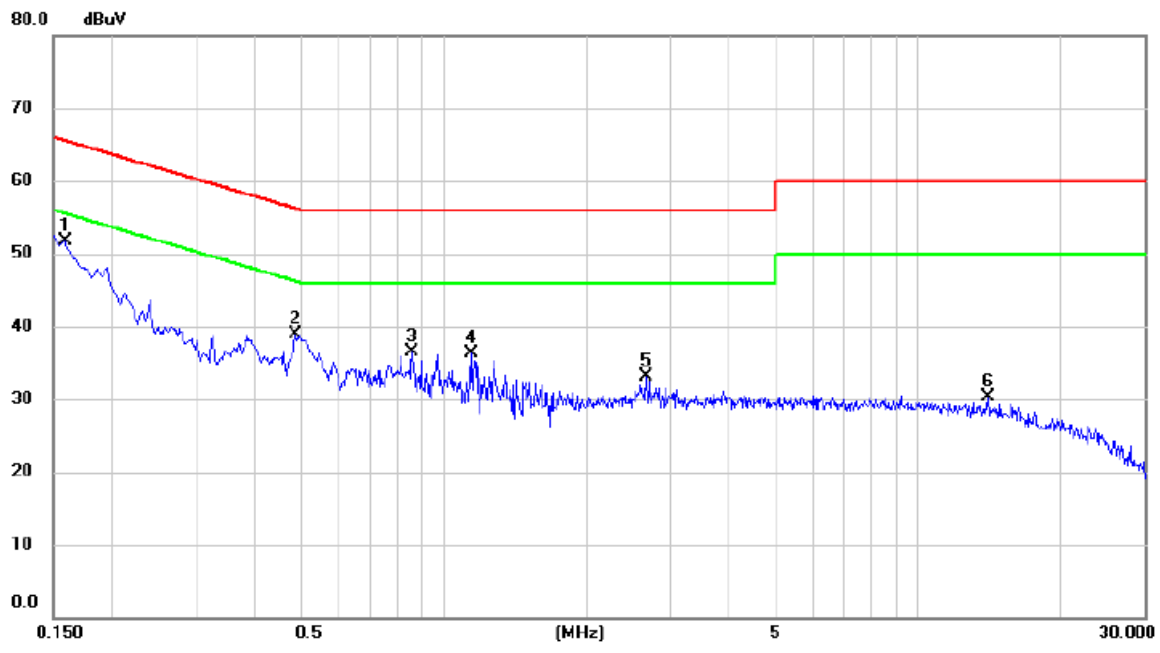
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1 | * | 0.1680 | 45.18 | 9.74 | 54.92 | 65.06 | -10.14 | peak | |
| 2 | | 0.3570 | 31.27 | 9.85 | 41.12 | 58.80 | -17.68 | peak | |
| 3 | | 0.4784 | 29.27 | 9.89 | 39.16 | 56.37 | -17.21 | peak | |
| 4 | | 1.7520 | 25.18 | 9.79 | 34.97 | 56.00 | -21.03 | peak | |
| 5 | | 3.1920 | 24.96 | 9.87 | 34.83 | 56.00 | -21.17 | peak | |
| 6 | | 14.0010 | 24.82 | 10.19 | 35.01 | 60.00 | -24.99 | peak | |

REMARKS:

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

Test Mode: TX Mode

Neutral



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|---------|
| 1 | * | 0.1590 | 42.09 | 9.61 | 51.70 | 65.52 | -13.82 | peak | |
| 2 | | 0.4874 | 29.27 | 9.69 | 38.96 | 56.21 | -17.25 | peak | |
| 3 | | 0.8564 | 26.79 | 9.72 | 36.51 | 56.00 | -19.49 | peak | |
| 4 | | 1.1400 | 26.63 | 9.73 | 36.36 | 56.00 | -19.64 | peak | |
| 5 | | 2.6700 | 23.19 | 9.83 | 33.02 | 56.00 | -22.98 | peak | |
| 6 | | 14.0010 | 20.06 | 10.15 | 30.21 | 60.00 | -29.79 | peak | |

REMARKS:

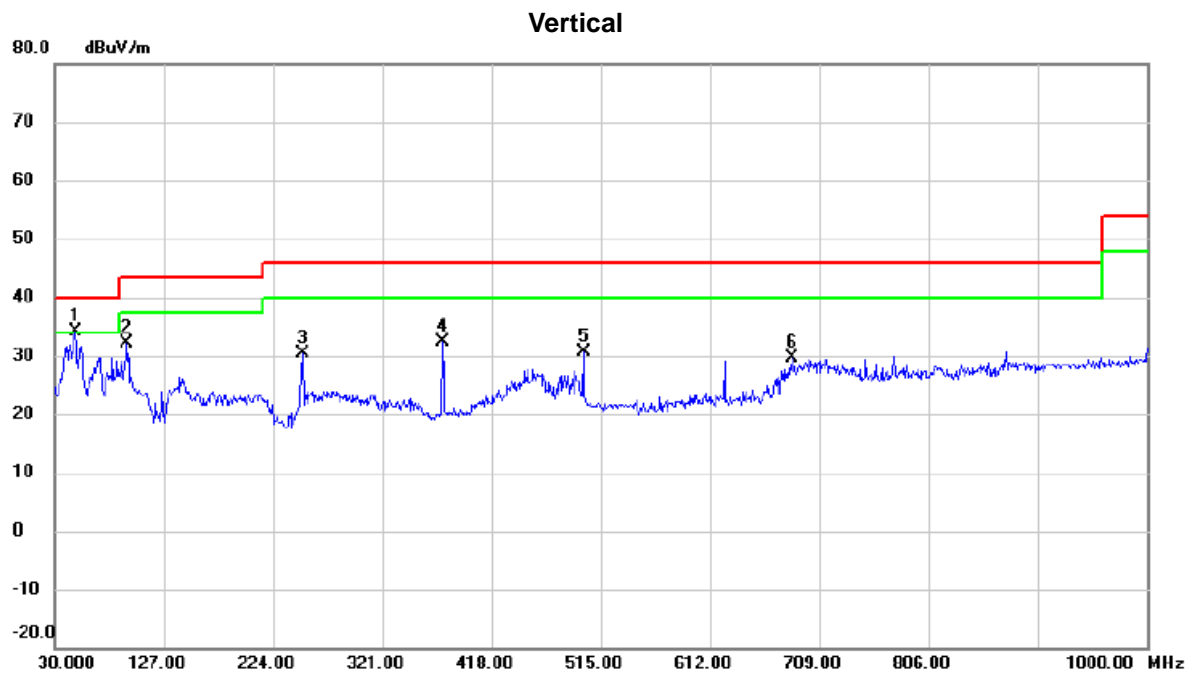
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Note: Below 30MHz, The measured value have enough margin over 20dB than the limit,
therefore they are not reported

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

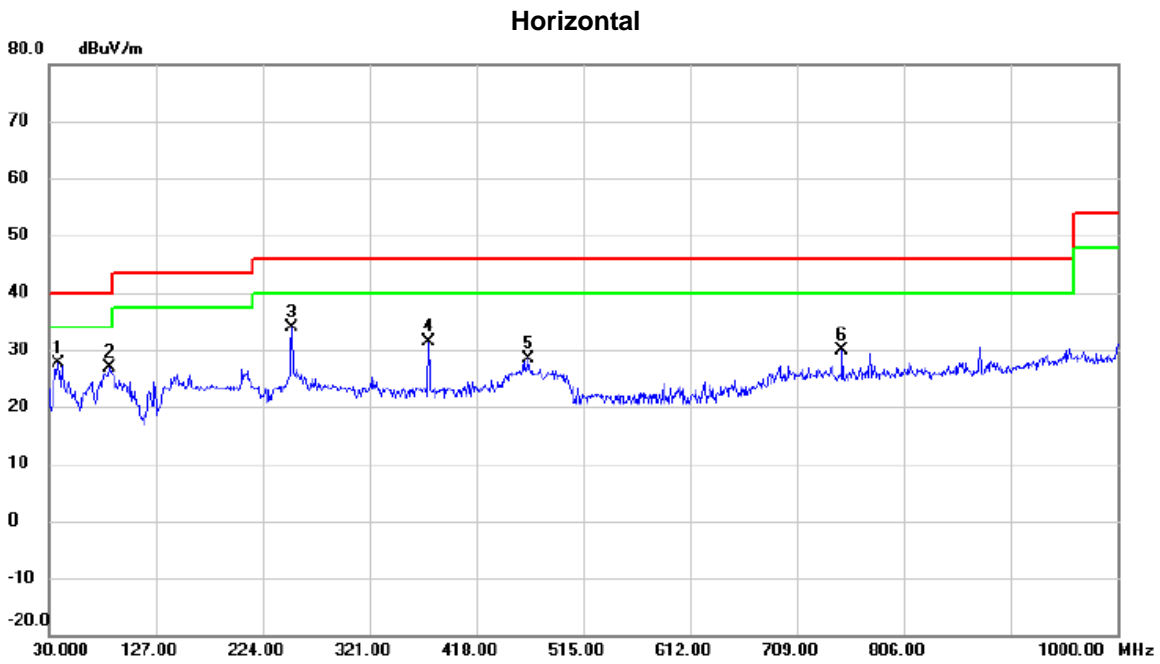
Test Mode: TX Mode



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 48.4300 | 50.59 | -16.49 | 34.10 | 40.00 | -5.90 | peak | |
| 2 | | 94.5050 | 53.49 | -21.48 | 32.01 | 43.50 | -11.49 | peak | |
| 3 | | 250.1900 | 46.93 | -16.67 | 30.26 | 46.00 | -15.74 | peak | |
| 4 | | 374.8350 | 45.47 | -13.11 | 32.36 | 46.00 | -13.64 | peak | |
| 5 | | 499.9650 | 41.05 | -10.32 | 30.73 | 46.00 | -15.27 | peak | |
| 6 | | 684.7500 | 36.58 | -6.98 | 29.60 | 46.00 | -16.40 | peak | |

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

Test Mode: TX Mode



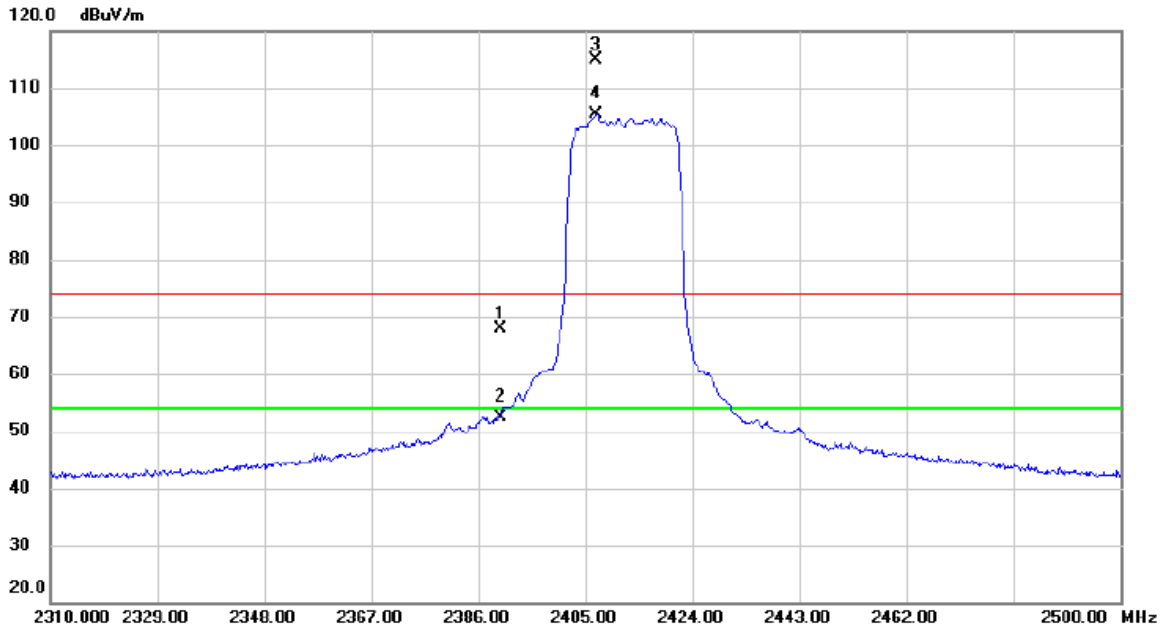
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 38.2450 | 44.89 | -17.35 | 27.54 | 40.00 | -12.46 | peak | |
| 2 | | 84.3200 | 48.16 | -21.34 | 26.82 | 40.00 | -13.18 | peak | |
| 3 | * | 250.1900 | 50.54 | -16.67 | 33.87 | 46.00 | -12.13 | peak | |
| 4 | | 374.8350 | 44.53 | -13.11 | 31.42 | 46.00 | -14.58 | peak | |
| 5 | | 465.5300 | 39.15 | -10.80 | 28.35 | 46.00 | -17.65 | peak | |
| 6 | | 750.2250 | 35.62 | -5.82 | 29.80 | 46.00 | -16.20 | peak | |

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 AX (HE20) Mode 2412 MHz

Vertical



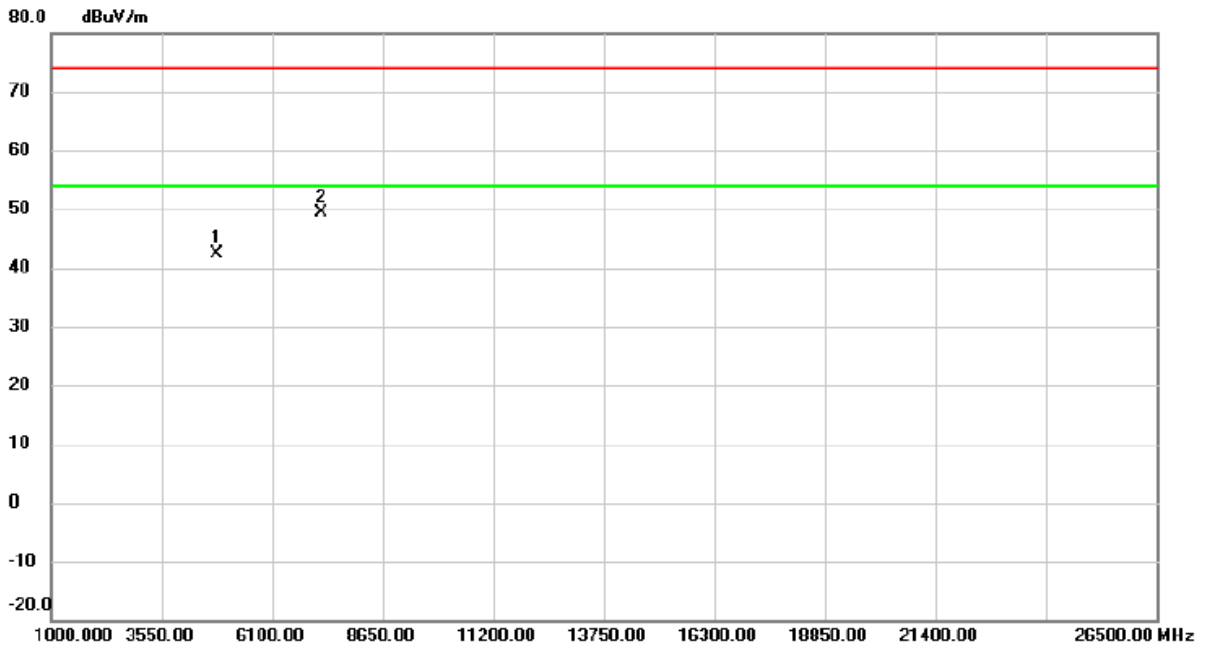
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | | 2390.000 | 36.24 | 31.74 | 67.98 | 74.00 | -6.02 | peak | |
| 2 | | 2390.000 | 20.67 | 31.74 | 52.41 | 54.00 | -1.59 | AVG | |
| 3 | X | 2406.900 | 83.21 | 31.72 | 114.93 | 74.00 | 40.93 | peak | No limit |
| 4 | * | 2406.900 | 73.60 | 31.72 | 105.32 | 54.00 | 51.32 | AVG | 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

Vertical



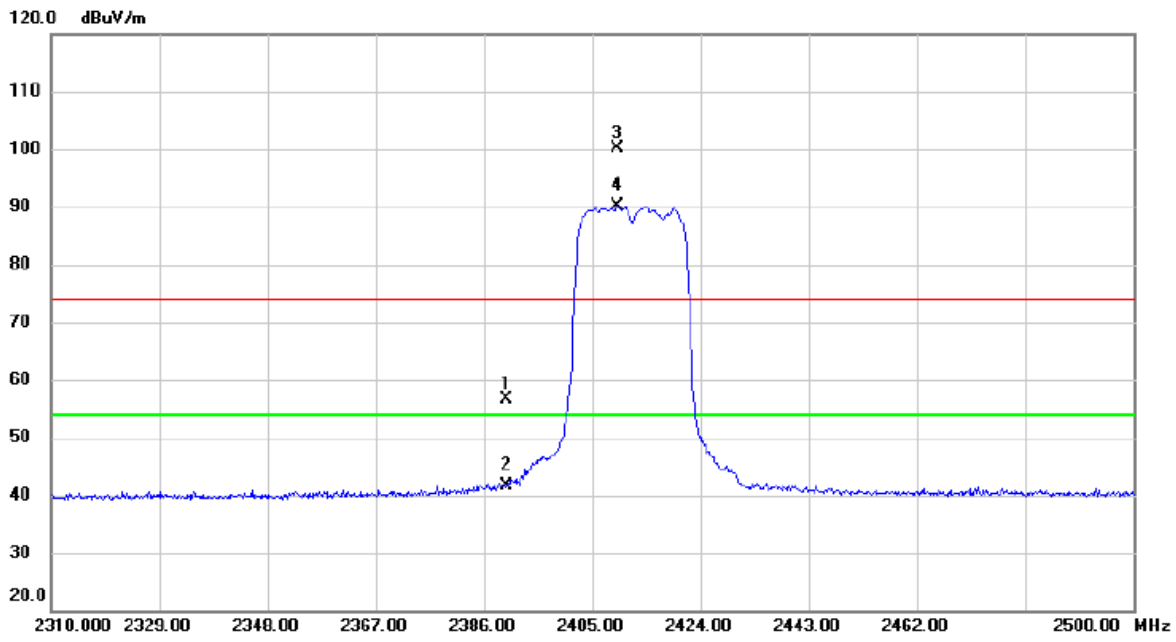
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 4827.550 | 58.45 | -16.03 | 42.42 | 74.00 | -31.58 | peak | |
| 2 | * | 7234.750 | 60.21 | -10.85 | 49.36 | 74.00 | -24.64 | peak | |

REMARKS:

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

Test Mode: TX AX (HE20) Mode 2412 MHz

Horizontal



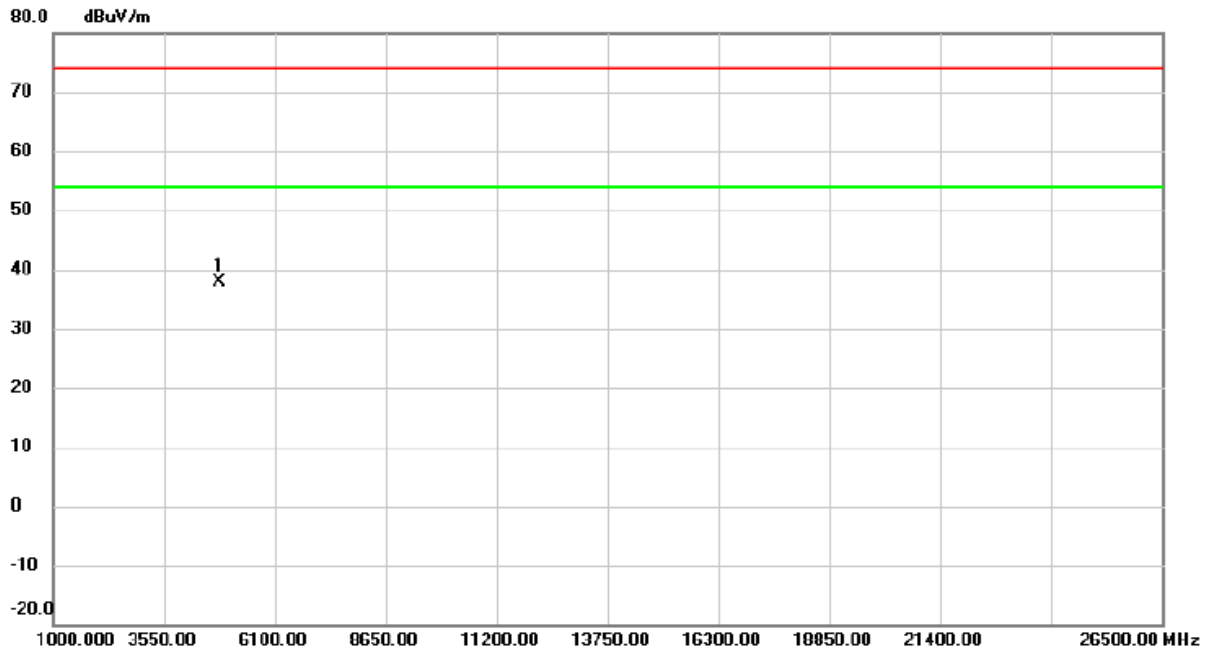
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | | 2390.000 | 24.86 | 31.74 | 56.60 | 74.00 | -17.40 | peak | |
| 2 | | 2390.000 | 9.96 | 31.74 | 41.70 | 54.00 | -12.30 | AVG | |
| 3 | X | 2409.560 | 68.30 | 31.72 | 100.02 | 74.00 | 26.02 | peak | No limit |
| 4 | * | 2409.560 | 58.49 | 31.72 | 90.21 | 54.00 | 36.21 | AVG | 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

Horizontal



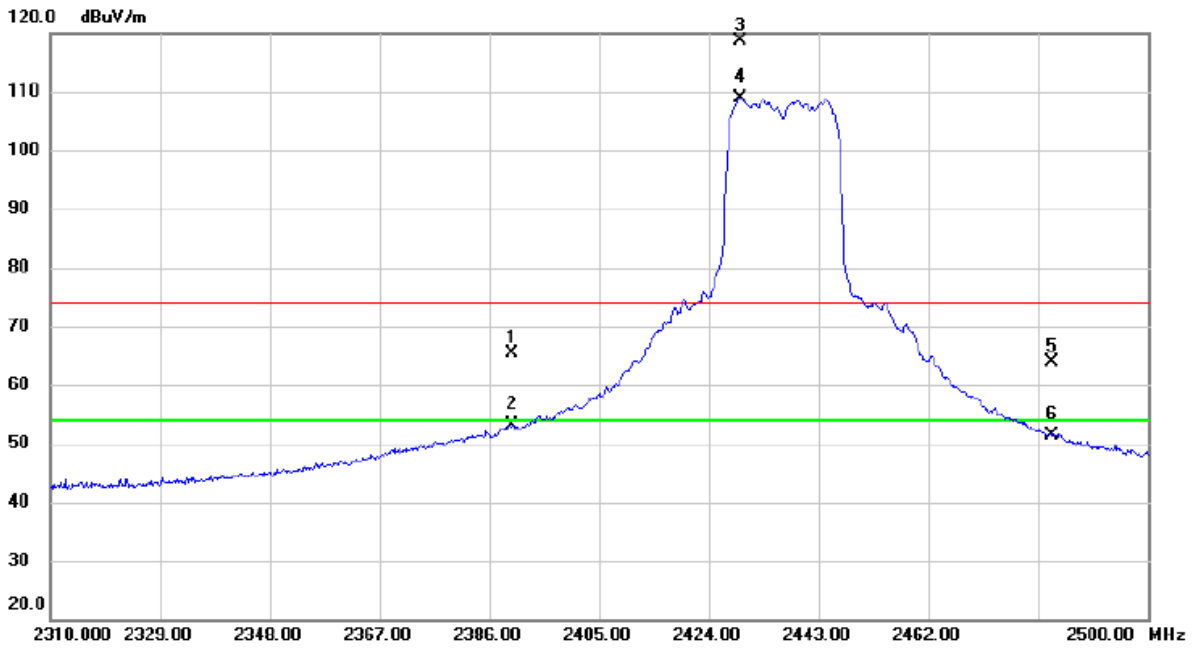
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 4824.000 | 53.92 | -16.03 | 37.89 | 74.00 | -36.11 | peak | |

REMARKS:

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

Test Mode: TX AX (HE20) Mode 2437 MHz

Vertical



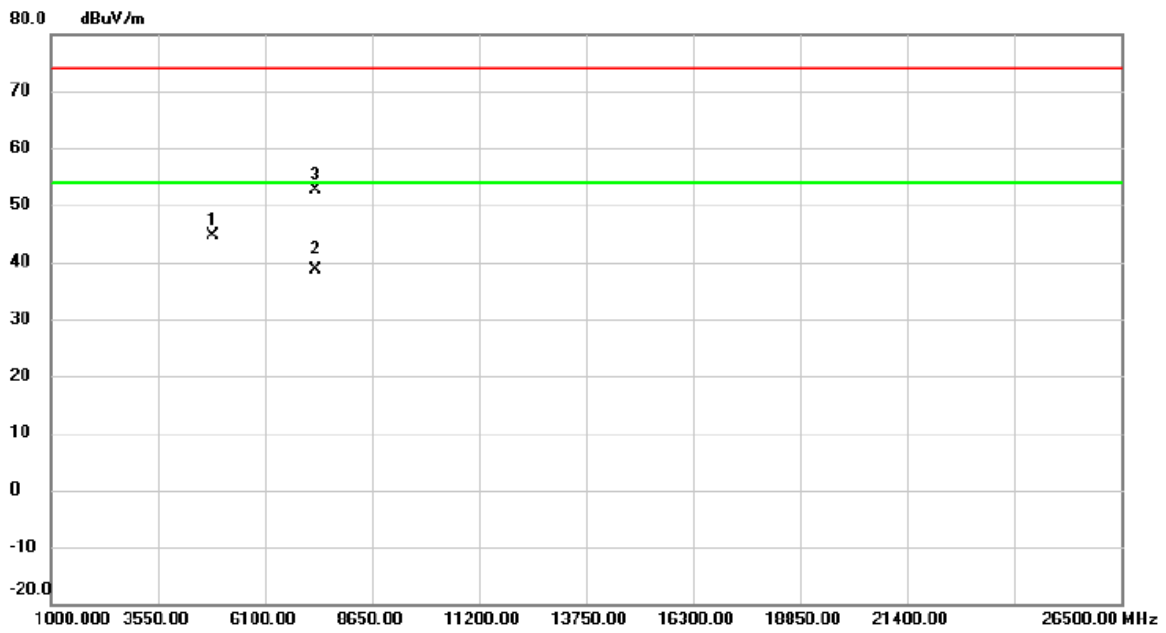
| No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measurement dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|---------|-----------|--------------------|-------------------|--------------------|--------------|-----------|----------|----------|
| 1 | 2390.000 | 33.64 | 31.74 | 65.38 | 74.00 | -8.62 | peak | |
| 2 | 2390.000 | 21.38 | 31.74 | 53.12 | 54.00 | -0.88 | AVG | |
| 3 X | 2429.415 | 86.86 | 31.72 | 118.58 | 74.00 | 44.58 | peak | No limit |
| 4 * | 2429.415 | 77.23 | 31.72 | 108.95 | 54.00 | 54.95 | AVG | No limit |
| 5 | 2483.500 | 32.17 | 31.72 | 63.89 | 74.00 | -10.11 | peak | |
| 6 | 2483.500 | 19.73 | 31.72 | 51.45 | 54.00 | -2.55 | AVG | |

REMARKS:

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

Test Mode: TX AX (HE20) Mode 2437 MHz

Vertical



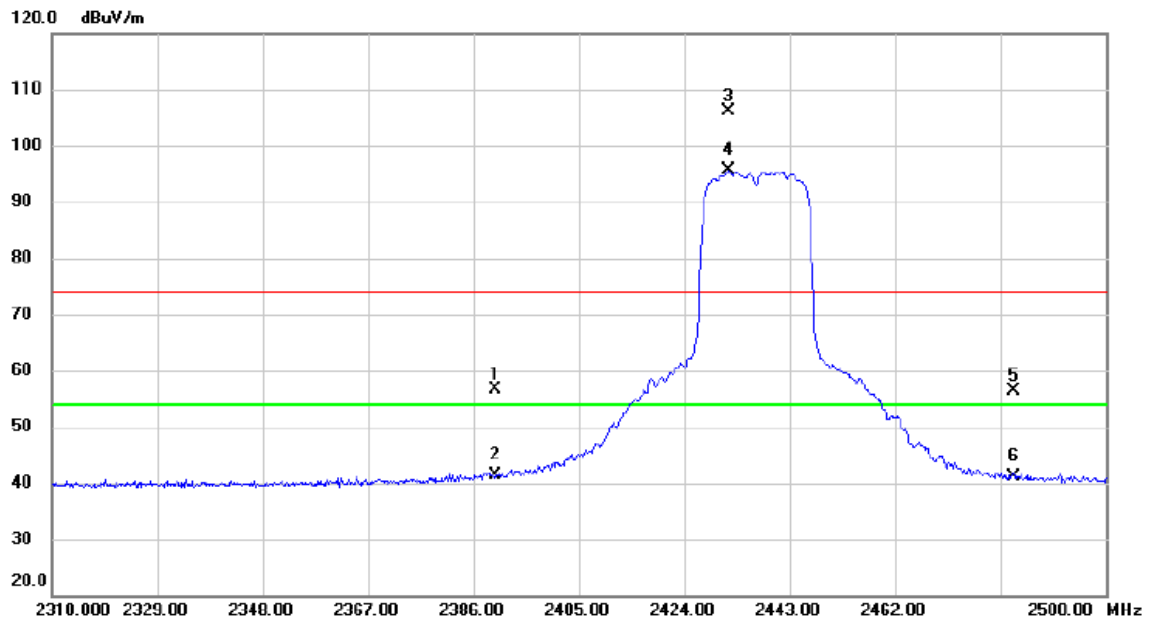
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 4868.350 | 60.69 | -15.97 | 44.72 | 74.00 | -29.28 | peak | |
| 2 | * | 7313.877 | 49.39 | -10.81 | 38.58 | 54.00 | -15.42 | AVG | |
| 3 | | 7316.350 | 63.55 | -10.81 | 52.74 | 74.00 | -21.26 | peak | |

REMARKS:

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

Test Mode: TX AX (HE20) Mode 2437 MHz

Horizontal



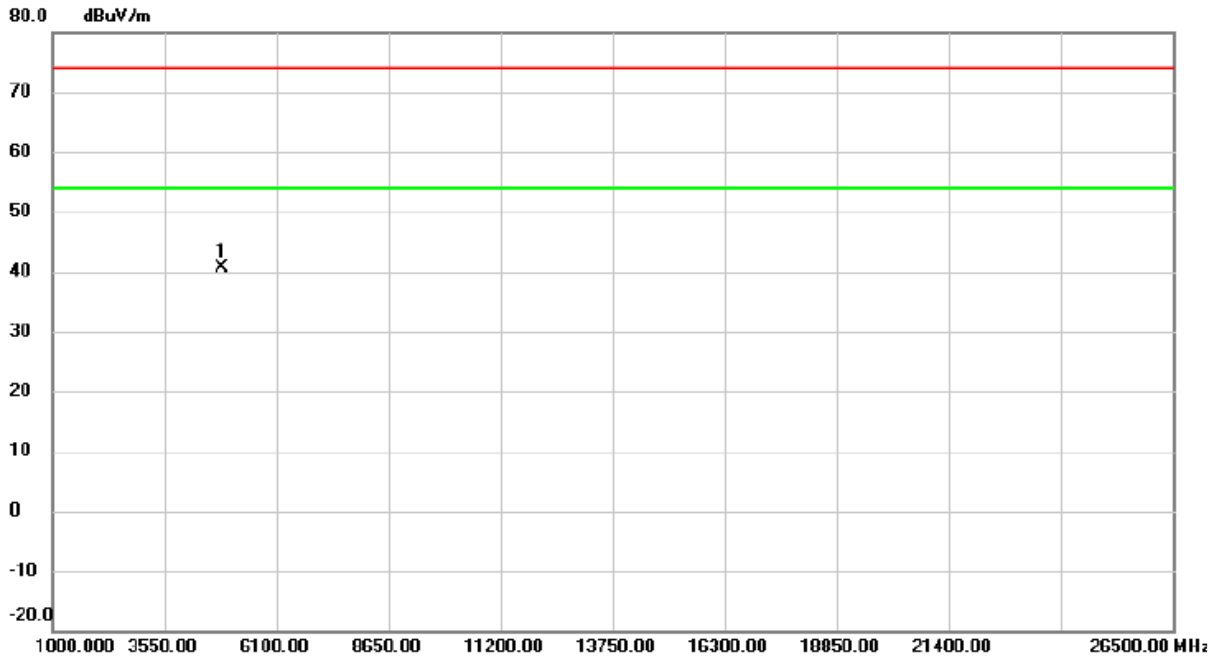
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | | 2390.000 | 24.81 | 31.74 | 56.55 | 74.00 | -17.45 | peak | |
| 2 | | 2390.000 | 9.67 | 31.74 | 41.41 | 54.00 | -12.59 | AVG | |
| 3 | X | 2431.885 | 74.51 | 31.72 | 106.23 | 74.00 | 32.23 | peak | No limit |
| 4 | * | 2431.885 | 63.79 | 31.72 | 95.51 | 54.00 | 41.51 | AVG | No limit |
| 5 | | 2483.500 | 24.73 | 31.72 | 56.45 | 74.00 | -17.55 | peak | |
| 6 | | 2483.500 | 9.47 | 31.72 | 41.19 | 54.00 | -12.81 | AVG | |

REMARKS:

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

Test Mode: TX AX (HE20) Mode 2437 MHz

Horizontal



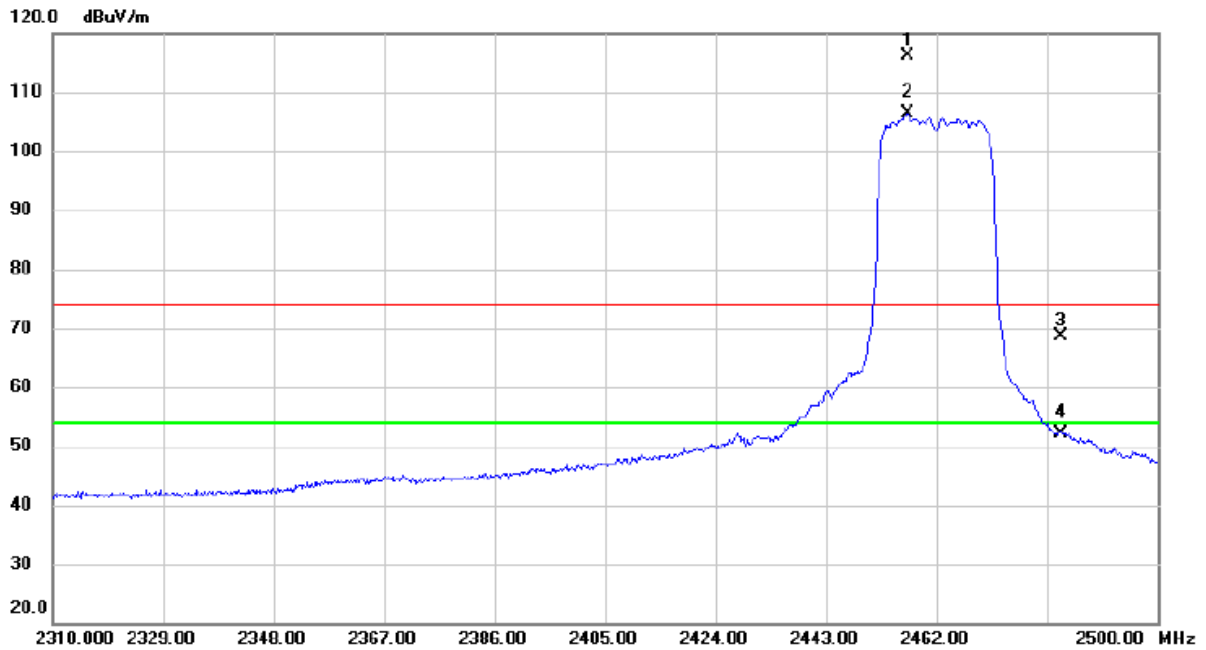
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 4873.450 | 56.63 | -15.96 | 40.67 | 74.00 | -33.33 | peak | |

REMARKS:

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

Test Mode: TX AX (HE20) Mode 2462 MHz

Vertical



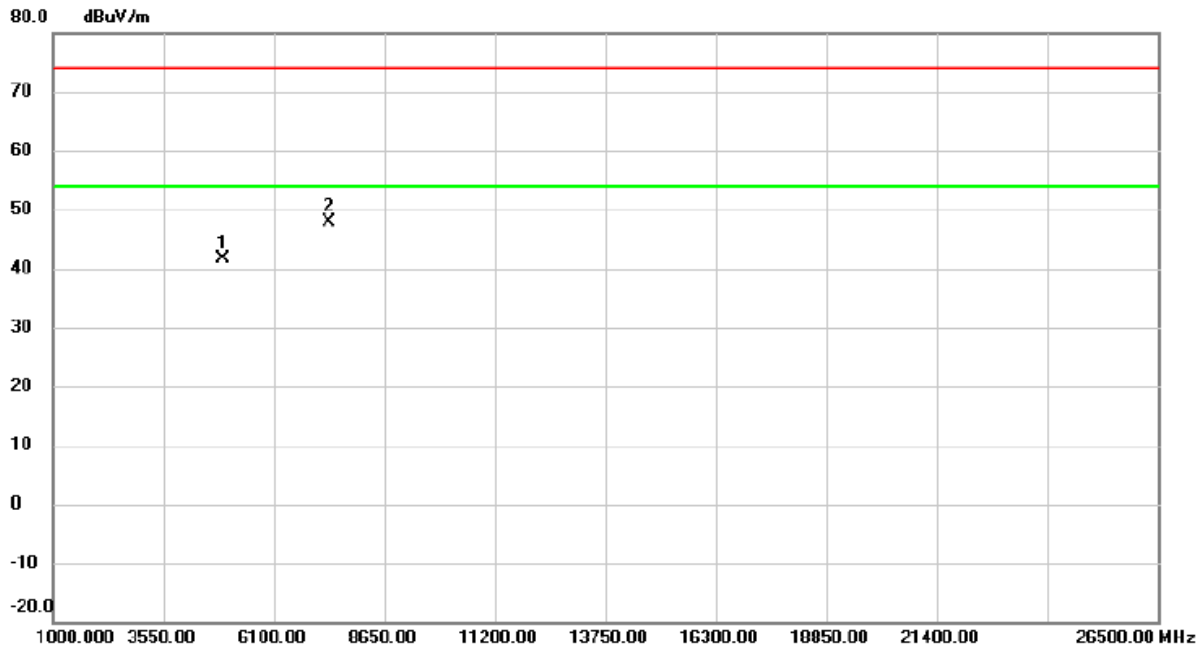
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | X | 2457.060 | 84.54 | 31.71 | 116.25 | 74.00 | 42.25 | peak | No limit |
| 2 | * | 2457.060 | 74.60 | 31.71 | 106.31 | 54.00 | 52.31 | AVG | No limit |
| 3 | | 2483.500 | 37.01 | 31.72 | 68.73 | 74.00 | -5.27 | peak | |
| 4 | | 2483.500 | 20.42 | 31.72 | 52.14 | 54.00 | -1.86 | AVG | |

REMARKS:

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

Test Mode: TX AX (HE20) Mode 2462 MHz

Vertical



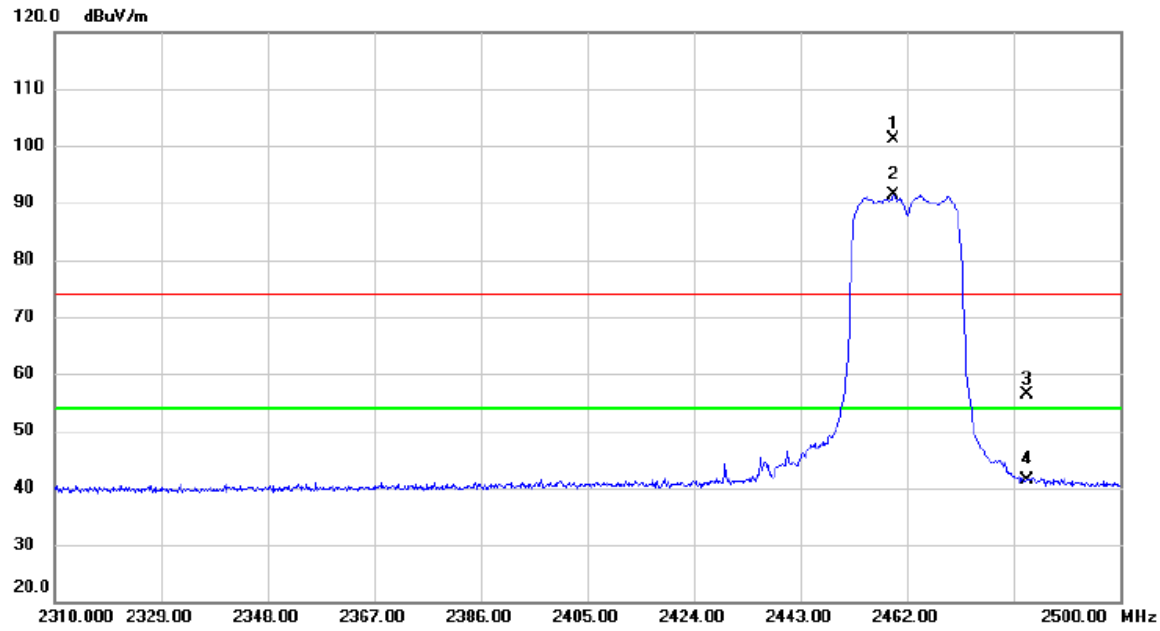
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 4919.350 | 57.45 | -15.86 | 41.59 | 74.00 | -32.41 | peak | |
| 2 | * | 7385.200 | 58.65 | -10.79 | 47.86 | 74.00 | -26.14 | peak | |

REMARKS:

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

Test Mode: TX AX (HE20) Mode 2462 MHz

Horizontal



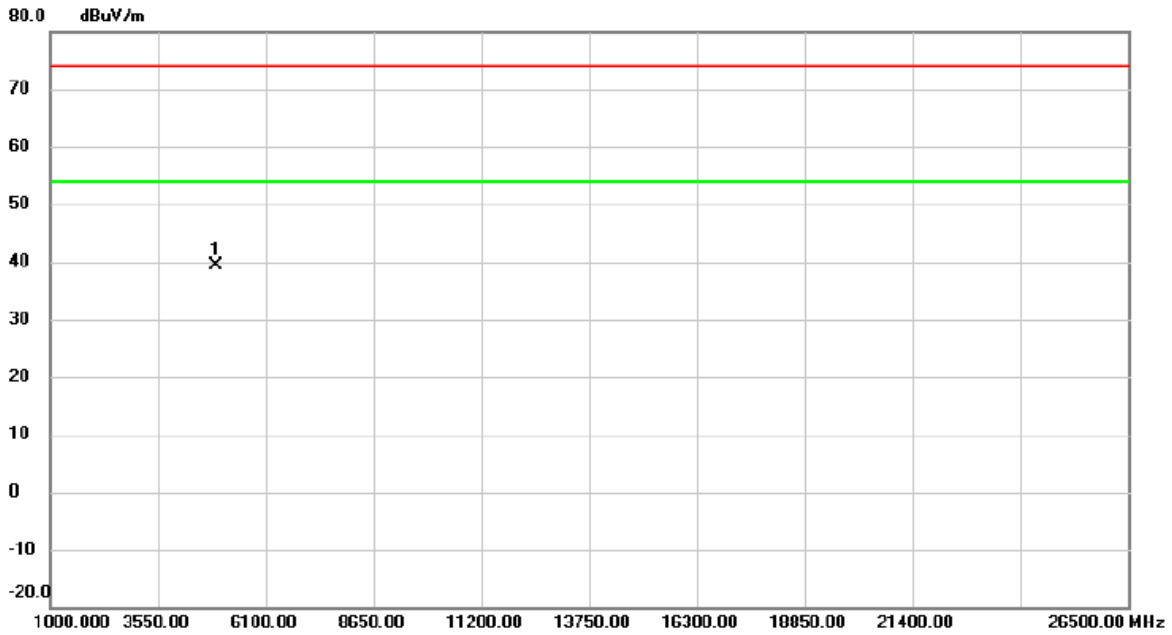
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | X | 2459.625 | 69.44 | 31.71 | 101.15 | 74.00 | 27.15 | peak | No limit |
| 2 | * | 2459.625 | 59.65 | 31.71 | 91.36 | 54.00 | 37.36 | AVG | No limit |
| 3 | | 2483.500 | 24.58 | 31.72 | 56.30 | 74.00 | -17.70 | peak | |
| 4 | | 2483.500 | 9.77 | 31.72 | 41.49 | 54.00 | -12.51 | AVG | |

REMARKS:

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

Test Mode: TX AX (HE20) Mode 2462 MHz

Horizontal



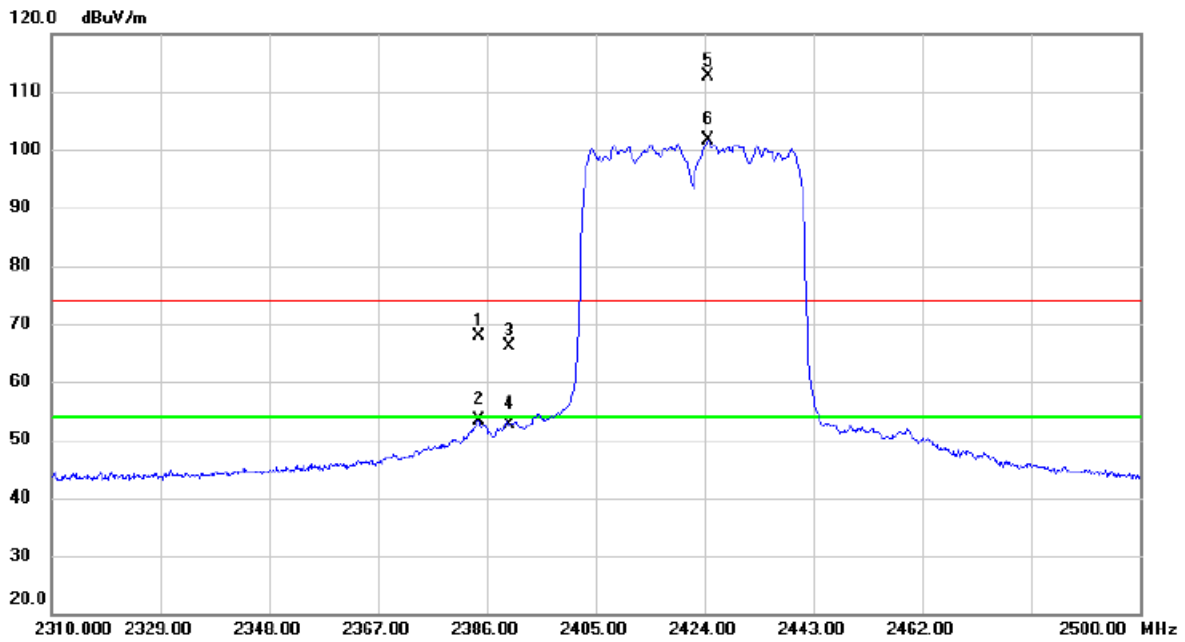
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 4934.650 | 55.27 | -15.79 | 39.48 | 74.00 | -34.52 | peak | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2422 MHz

Vertical



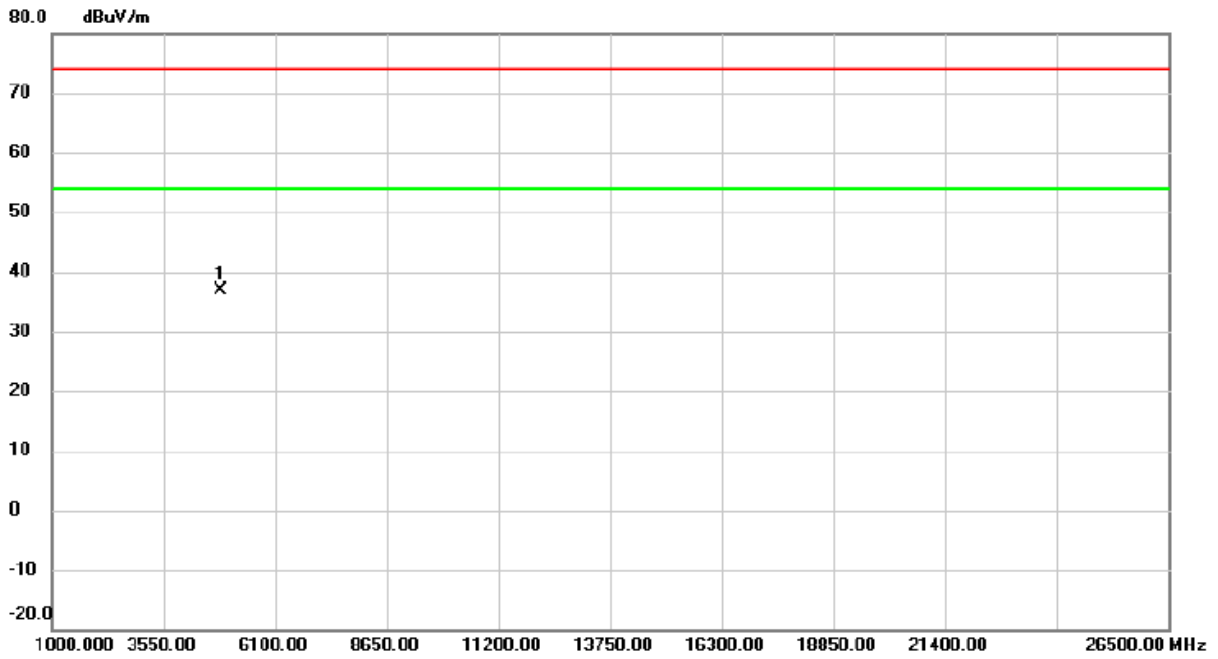
| No. Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|---------|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | 2384.480 | 36.03 | 31.75 | 67.78 | 74.00 | -6.22 | peak | |
| 2 | 2384.480 | 21.57 | 31.75 | 53.32 | 54.00 | -0.68 | AVG | |
| 3 | 2390.000 | 34.43 | 31.74 | 66.17 | 74.00 | -7.83 | peak | |
| 4 | 2390.000 | 20.83 | 31.74 | 52.57 | 54.00 | -1.43 | AVG | |
| 5 X | 2424.570 | 80.95 | 31.72 | 112.67 | 74.00 | 38.67 | peak | No limit |
| 6 * | 2424.570 | 69.87 | 31.72 | 101.59 | 54.00 | 47.59 | AVG | 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

Vertical



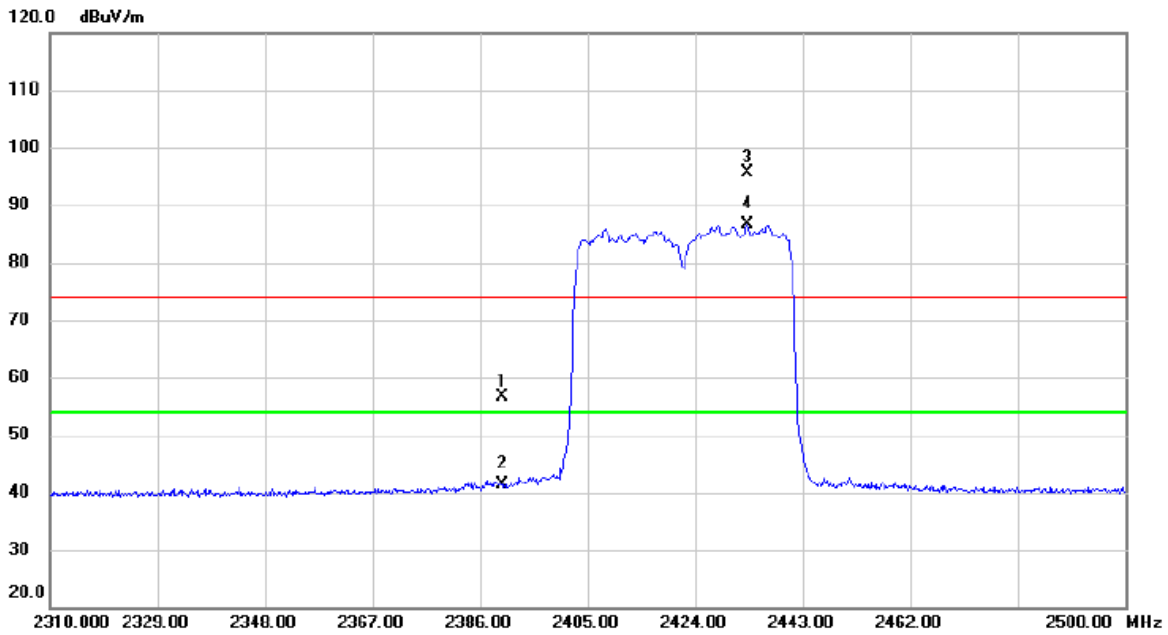
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 4844.000 | 52.86 | -16.01 | 36.85 | 74.00 | -37.15 | peak | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2422 MHz

Horizontal



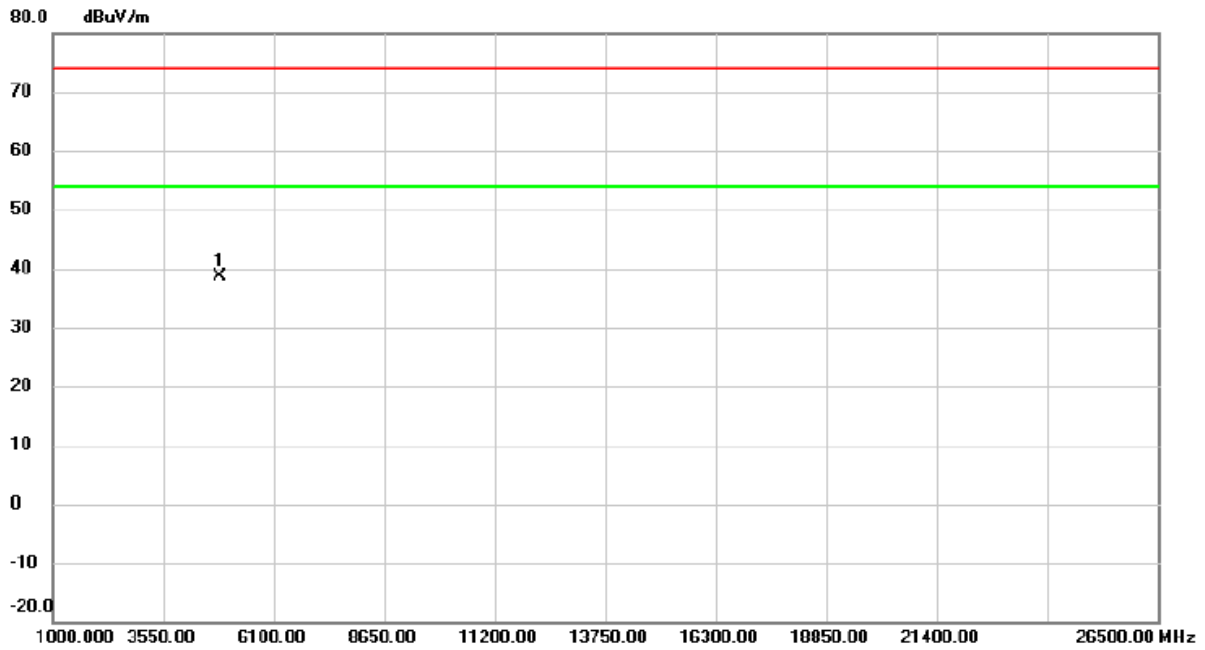
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | | 2390.000 | 24.77 | 31.74 | 56.51 | 74.00 | -17.49 | peak | |
| 2 | | 2390.000 | 9.71 | 31.74 | 41.45 | 54.00 | -12.55 | AVG | |
| 3 | X | 2433.215 | 63.87 | 31.72 | 95.59 | 74.00 | 21.59 | peak | No limit |
| 4 | * | 2433.215 | 54.88 | 31.72 | 86.60 | 54.00 | 32.60 | AVG | 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

Horizontal



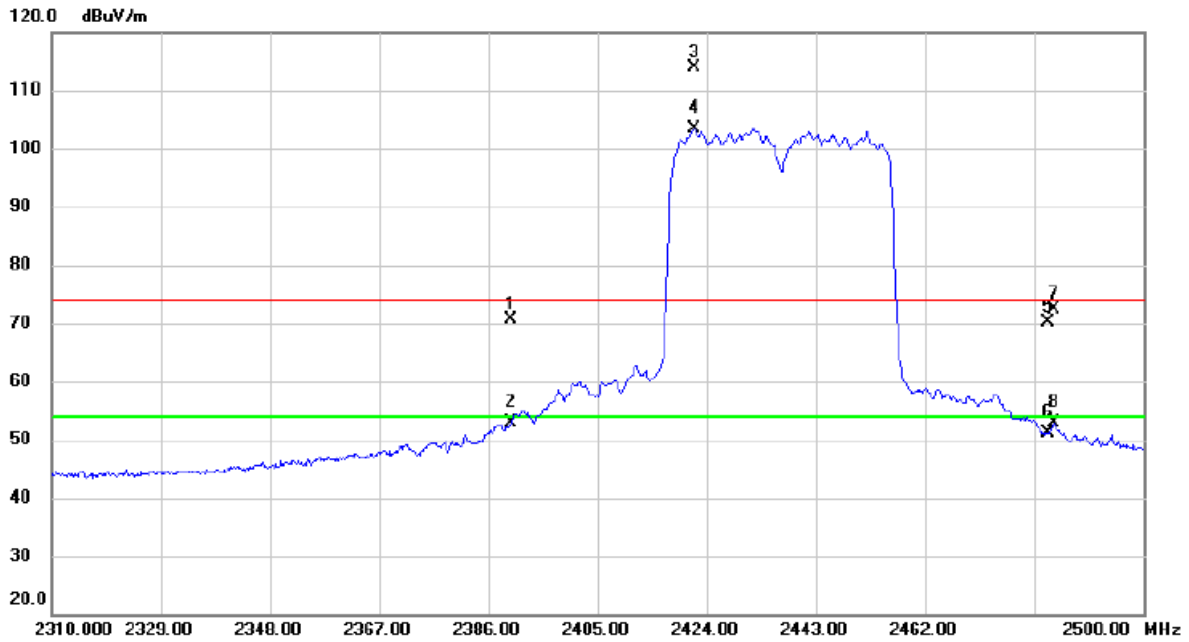
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 4844.000 | 49.37 | -10.86 | 38.51 | 74.00 | -35.49 | peak | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2437 MHz

Vertical



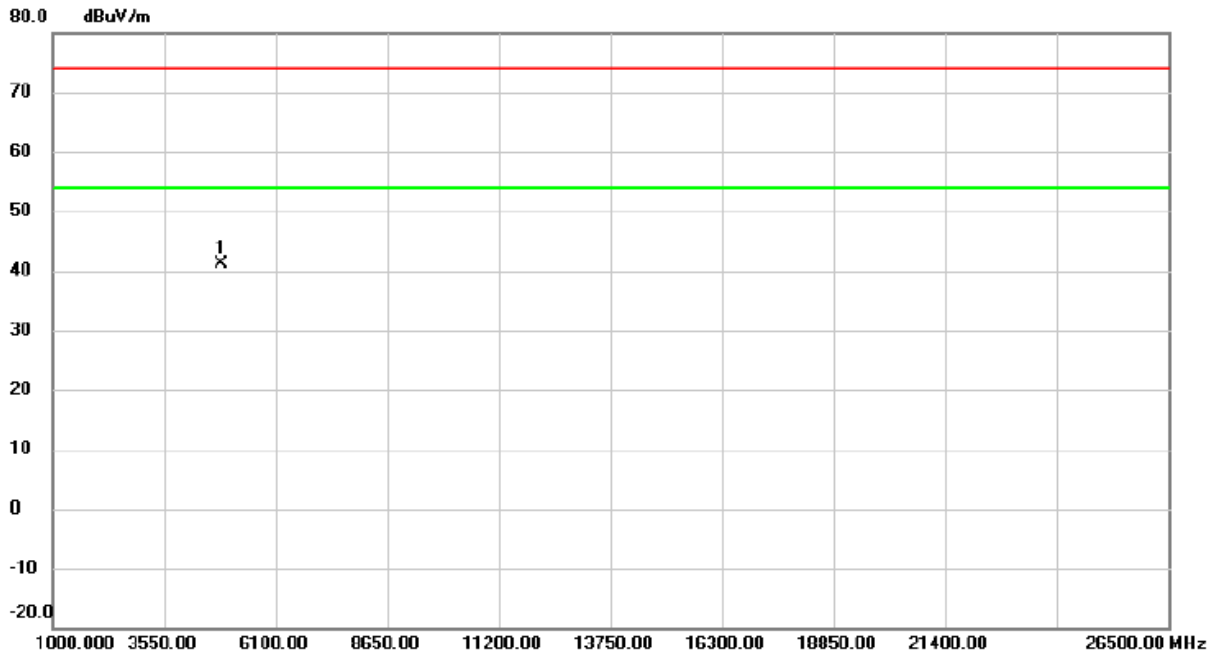
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | | 2390.000 | 38.85 | 31.74 | 70.59 | 74.00 | -3.41 | peak | |
| 2 | | 2390.000 | 21.23 | 31.74 | 52.97 | 54.00 | -1.03 | AVG | |
| 3 | X | 2421.815 | 82.18 | 31.72 | 113.90 | 74.00 | 39.90 | peak | No limit |
| 4 | * | 2421.815 | 71.68 | 31.72 | 103.40 | 54.00 | 49.40 | AVG | No limit |
| 5 | | 2483.500 | 38.37 | 31.72 | 70.09 | 74.00 | -3.91 | peak | |
| 6 | | 2483.500 | 19.30 | 31.72 | 51.02 | 54.00 | -2.98 | AVG | |
| 7 | | 2484.325 | 40.62 | 31.72 | 72.34 | 74.00 | -1.66 | peak | |
| 8 | | 2484.325 | 21.11 | 31.72 | 52.83 | 54.00 | -1.17 | AVG | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2437 MHz

Vertical



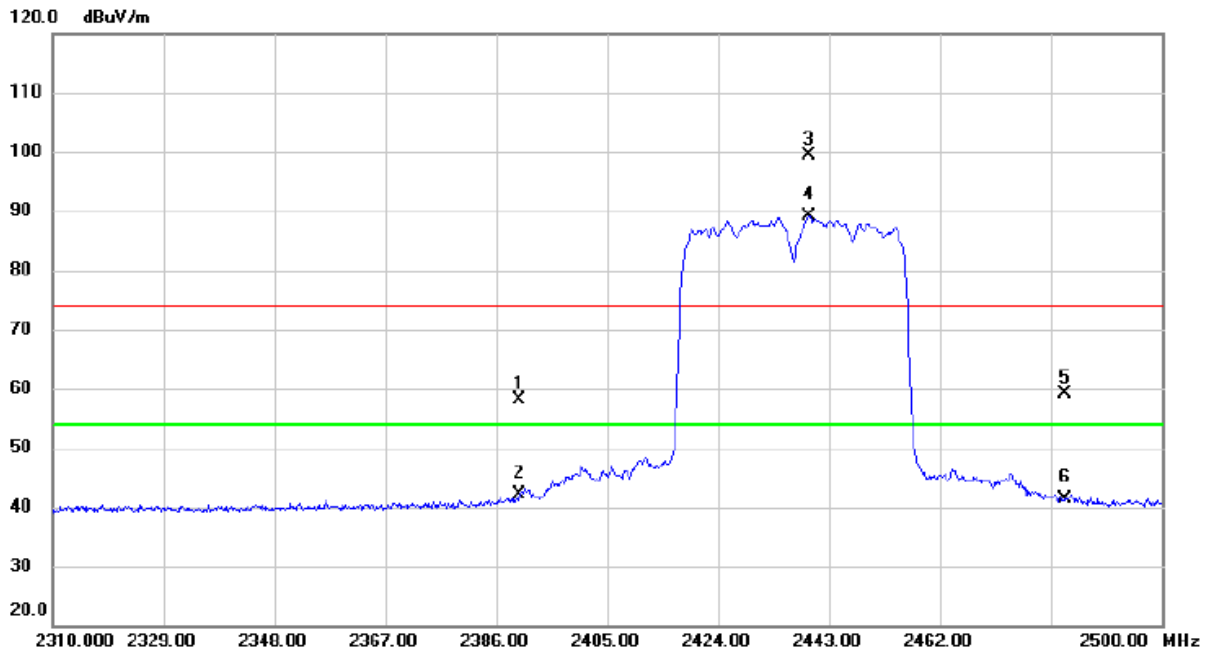
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 4873.450 | 51.89 | -10.79 | 41.10 | 74.00 | -32.90 | peak | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2437 MHz

Horizontal



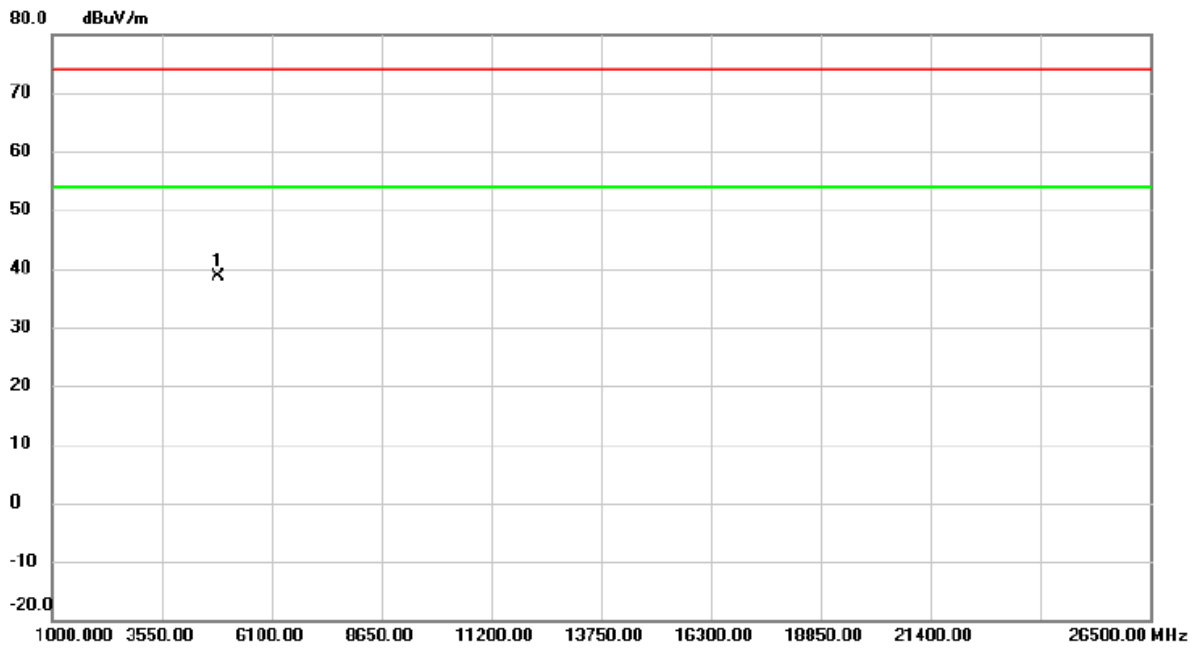
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | | 2390.000 | 26.35 | 31.74 | 58.09 | 74.00 | -15.91 | peak | |
| 2 | | 2390.000 | 10.51 | 31.74 | 42.25 | 54.00 | -11.75 | AVG | |
| 3 | X | 2439.580 | 67.54 | 31.72 | 99.26 | 74.00 | 25.26 | peak | No limit |
| 4 | * | 2439.580 | 57.43 | 31.72 | 89.15 | 54.00 | 35.15 | AVG | No limit |
| 5 | | 2483.500 | 27.35 | 31.72 | 59.07 | 74.00 | -14.93 | peak | |
| 6 | | 2483.500 | 9.64 | 31.72 | 41.36 | 54.00 | -12.64 | AVG | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2437 MHz

Horizontal



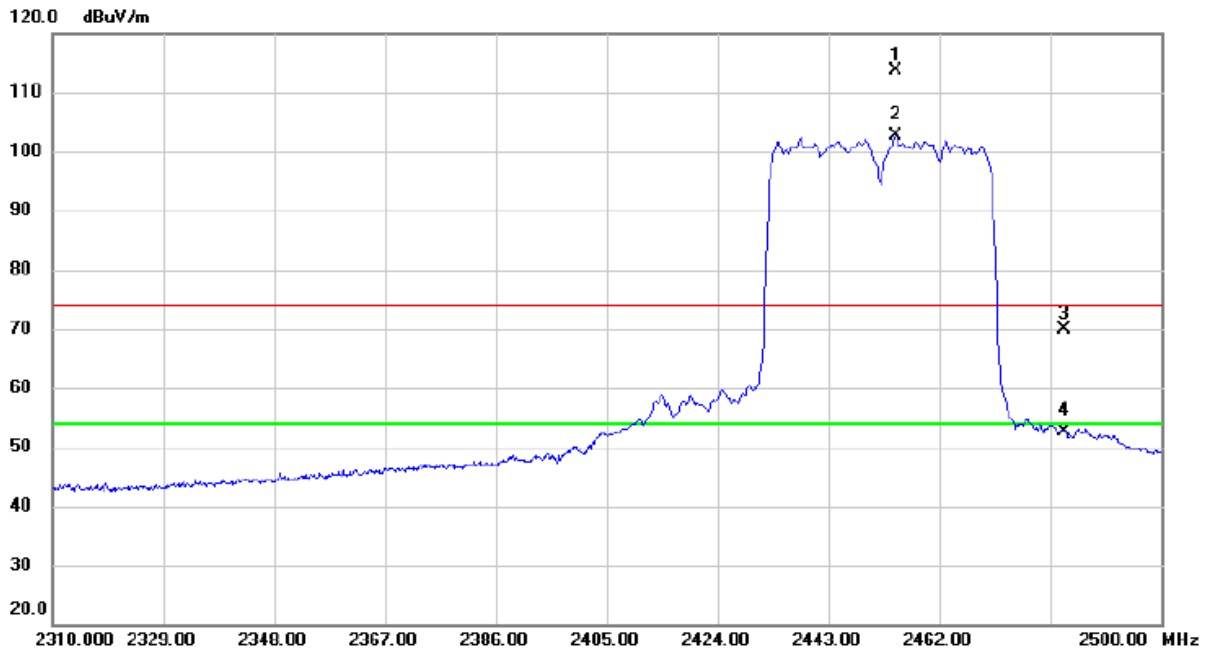
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 4874.000 | 49.43 | -10.79 | 38.64 | 74.00 | -35.36 | peak | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2452 MHz

Vertical



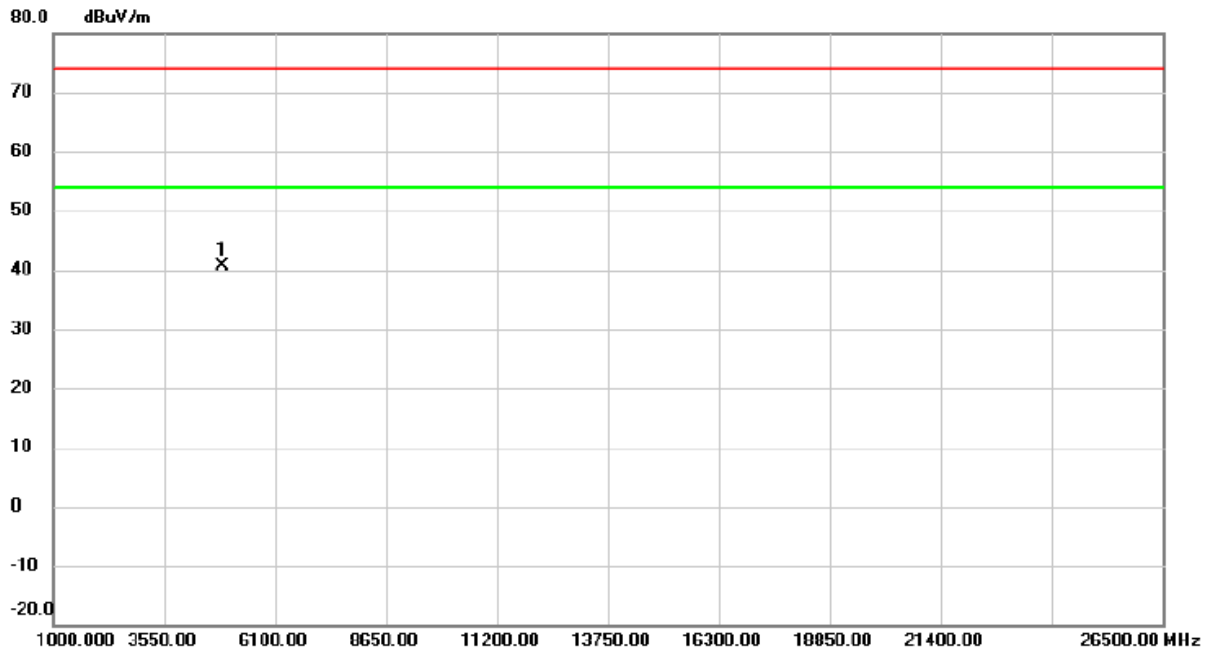
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | X | 2454.590 | 81.96 | 31.72 | 113.68 | 74.00 | 39.68 | peak | No limit |
| 2 | * | 2454.590 | 70.80 | 31.72 | 102.52 | 54.00 | 48.52 | AVG | No limit |
| 3 | | 2483.500 | 38.13 | 31.72 | 69.85 | 74.00 | -4.15 | peak | |
| 4 | | 2483.500 | 20.85 | 31.72 | 52.57 | 54.00 | -1.43 | AVG | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2452 MHz

Vertical



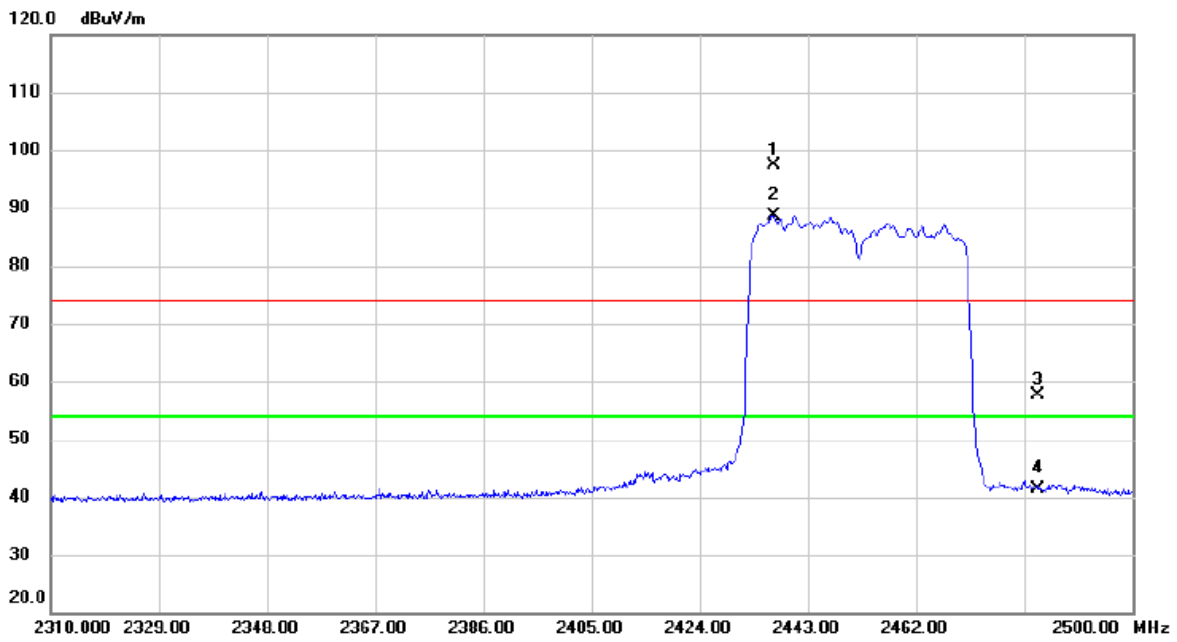
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | * | 4896.400 | 51.25 | -10.74 | 40.51 | 74.00 | -33.49 | peak | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2452 MHz

Horizontal



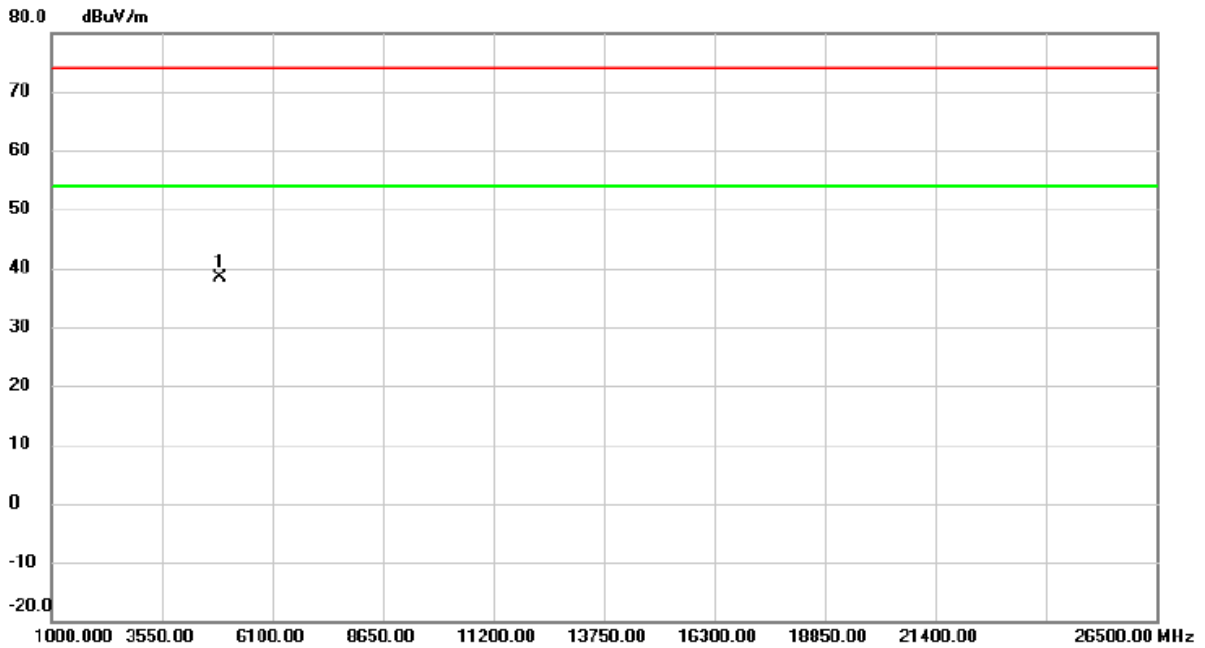
| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|----------|
| 1 | X | 2437.015 | 65.72 | 31.71 | 97.43 | 74.00 | 23.43 | peak | No limit |
| 2 | * | 2437.015 | 56.93 | 31.71 | 88.64 | 54.00 | 34.64 | AVG | No limit |
| 3 | | 2483.500 | 25.92 | 31.72 | 57.64 | 74.00 | -16.36 | peak | |
| 4 | | 2483.500 | 9.77 | 31.72 | 41.49 | 54.00 | -12.51 | AVG | |

REMARKS:

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

Test Mode: TX AX (HE40) Mode 2452 MHz

Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 4904.000 | 49.04 | -10.72 | 38.32 | 74.00 | -35.68 | peak | |

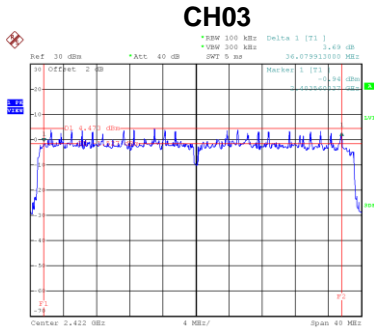
REMARKS:

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

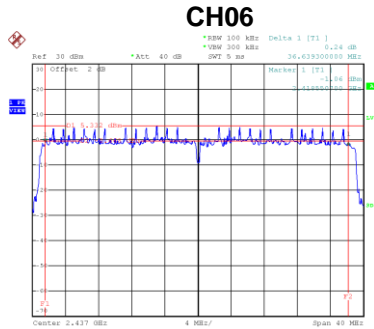
APPENDIX E - BANDWIDTH

Test Mode TX AX (HE40) Mode

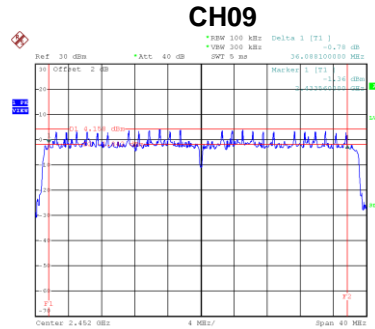
| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (kHz) | Result |
|---------|-----------------|----------------------|---------------------------------|----------|
| 03 | 2422 | 36.08 | 500 | Complies |
| 06 | 2437 | 36.64 | 500 | Complies |
| 09 | 2452 | 36.09 | 500 | Complies |



Date: 23.JUL.2020 12:11:12

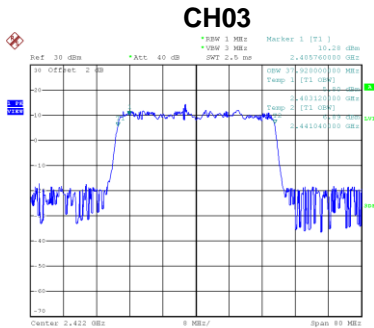


Date: 23.JUL.2020 12:23:55

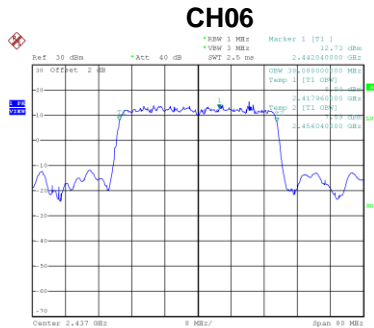


Date: 23.JUL.2020 12:29:09

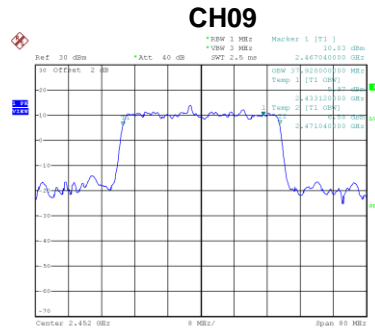
| Channel | Frequency (MHz) | 99 % Emission Bandwidth (MHz) |
|---------|-----------------|-------------------------------|
| 03 | 2422 | 37.92 |
| 06 | 2437 | 38.08 |
| 09 | 2452 | 37.92 |



Date: 23.JUL.2020 12:11:19



Date: 23.JUL.2020 12:24:00



Date: 23.JUL.2020 12:29:16

APPENDIX F - MAXIMUM OUTPUT POWER

CDD

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 16.22 | 0.91 | 17.13 | 30.00 | 1.0000 | Complies |
| 06 | 2437 | 20.55 | 0.91 | 21.46 | 30.00 | 1.0000 | Complies |
| 11 | 2462 | 16.02 | 0.91 | 16.93 | 30.00 | 1.0000 | Complies |

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 15.98 | 0.91 | 16.89 | 30.00 | 1.0000 | Complies |
| 06 | 2437 | 20.01 | 0.91 | 20.92 | 30.00 | 1.0000 | Complies |
| 11 | 2462 | 15.80 | 0.91 | 16.71 | 30.00 | 1.0000 | Complies |

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|------------------|----------------|----------|
| 01 | 2412 | 20.02 | 30.00 | 1.0000 | Complies |
| 06 | 2437 | 24.21 | 30.00 | 1.0000 | Complies |
| 11 | 2462 | 19.83 | 30.00 | 1.0000 | Complies |

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 14.22 | 1.15 | 15.37 | 30.00 | 1.0000 | Complies |
| 06 | 2437 | 16.23 | 1.15 | 17.38 | 30.00 | 1.0000 | Complies |
| 11 | 2462 | 15.21 | 1.15 | 16.36 | 30.00 | 1.0000 | Complies |

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 14.05 | 1.15 | 15.20 | 30.00 | 1.0000 | Complies |
| 06 | 2437 | 15.88 | 1.15 | 17.03 | 30.00 | 1.0000 | Complies |
| 11 | 2462 | 14.74 | 1.15 | 15.89 | 30.00 | 1.0000 | Complies |

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|------------------|----------------|----------|
| 01 | 2412 | 18.30 | 30.00 | 1.0000 | Complies |
| 06 | 2437 | 20.22 | 30.00 | 1.0000 | Complies |
| 11 | 2462 | 19.15 | 30.00 | 1.0000 | Complies |

Beamforming

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 16.02 | 0.91 | 16.93 | 27.99 | 0.6295 | Complies |
| 06 | 2437 | 20.47 | 0.91 | 21.38 | 27.99 | 0.6295 | Complies |
| 11 | 2462 | 15.96 | 0.91 | 16.87 | 27.99 | 0.6295 | Complies |

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 15.84 | 0.91 | 16.75 | 27.99 | 0.6295 | Complies |
| 06 | 2437 | 19.95 | 0.91 | 20.86 | 27.99 | 0.6295 | Complies |
| 11 | 2462 | 15.63 | 0.91 | 16.54 | 27.99 | 0.6295 | Complies |

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|------------------|----------------|----------|
| 01 | 2412 | 19.85 | 27.99 | 0.6295 | Complies |
| 06 | 2437 | 24.14 | 27.99 | 0.6295 | Complies |
| 11 | 2462 | 19.72 | 27.99 | 0.6295 | Complies |

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 14.19 | 1.15 | 15.34 | 27.99 | 0.6295 | Complies |
| 06 | 2437 | 16.18 | 1.15 | 17.33 | 27.99 | 0.6295 | Complies |
| 11 | 2462 | 15.17 | 1.15 | 16.32 | 27.99 | 0.6295 | Complies |

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

| Channel | Frequency (MHz) | Avg Output Power (dBm) | Duty Factor | Output Power + Duty Factor (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|-------------|----------------------------------|------------------|----------------|----------|
| 01 | 2412 | 14.02 | 1.15 | 15.17 | 27.99 | 0.6295 | Complies |
| 06 | 2437 | 15.82 | 1.15 | 16.97 | 27.99 | 0.6295 | Complies |
| 11 | 2462 | 14.69 | 1.15 | 15.84 | 27.99 | 0.6295 | Complies |

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

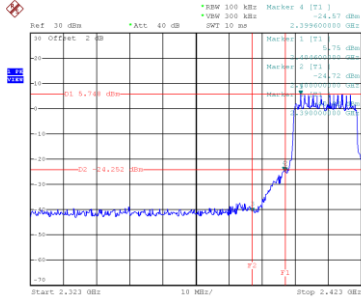
| Channel | Frequency (MHz) | Avg Output Power (dBm) | Max. Limit (dBm) | Max. Limit (W) | Result |
|---------|-----------------|------------------------|------------------|----------------|----------|
| 01 | 2412 | 18.27 | 27.99 | 0.6295 | Complies |
| 06 | 2437 | 20.17 | 27.99 | 0.6295 | Complies |
| 11 | 2462 | 19.10 | 27.99 | 0.6295 | Complies |

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

CDD

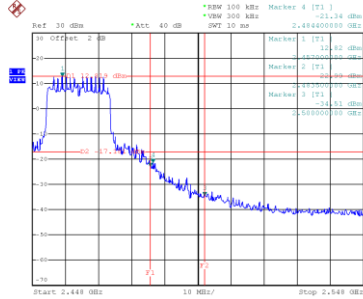
Test Mode TX AX (HE20) Mode_Ant. 1

Bandedge-CH01



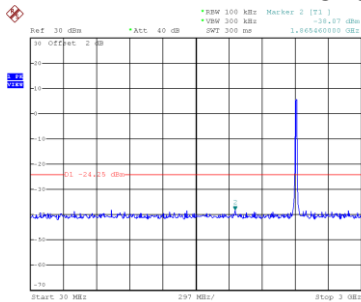
Date: 23_JUL_2020 11:04:07

Bandedge-CH11

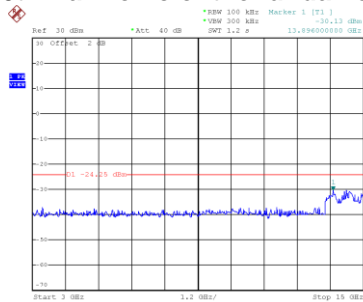


Date: 23_JUL_2020 11:38:14

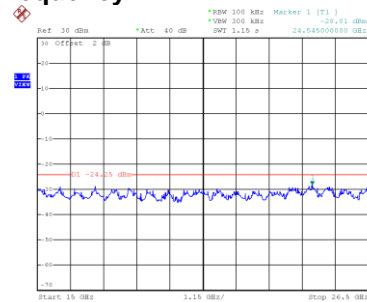
CH01 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 11:04:39

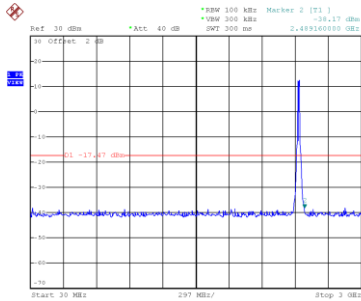


Date: 23_JUL_2020 11:04:47

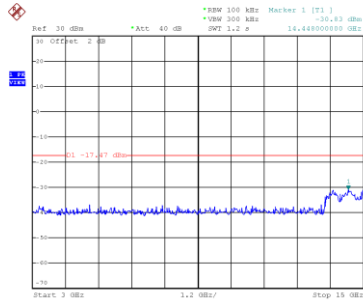


Date: 23_JUL_2020 11:04:54

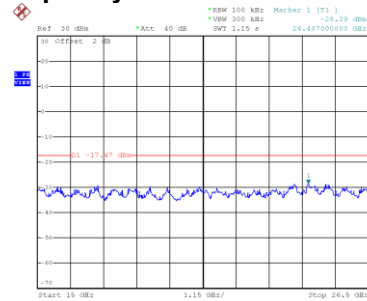
CH06 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 11:35:44

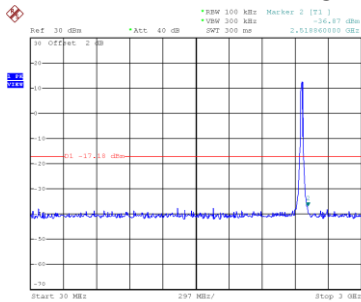


Date: 23_JUL_2020 11:35:51

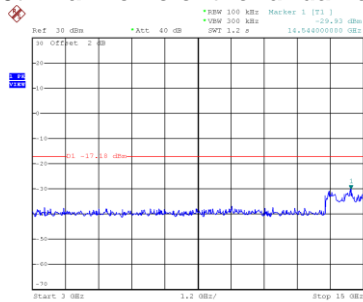


Date: 23_JUL_2020 11:35:57

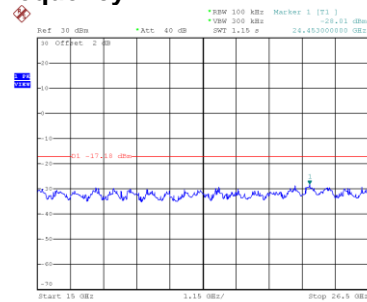
CH11 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 11:38:46



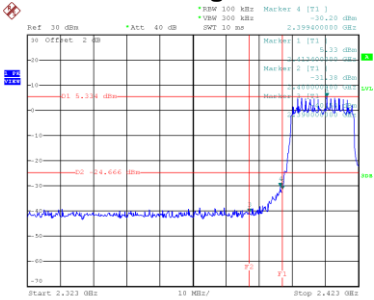
Date: 23_JUL_2020 11:38:53



Date: 23_JUL_2020 11:39:00

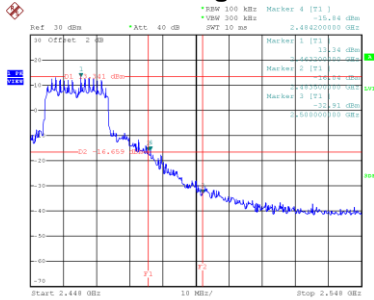
Test Mode TX AX (HE20) Mode_Ant. 2

Bandedge-CH01



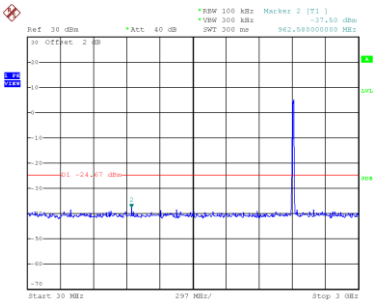
Date: 23_JUL_2020 11:06:17

Bandedge-CH11

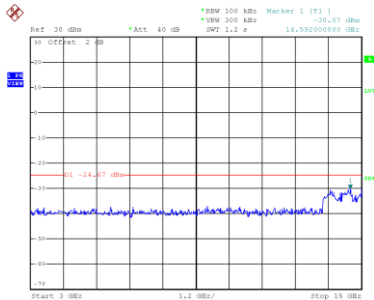


Date: 23_JUL_2020 11:40:15

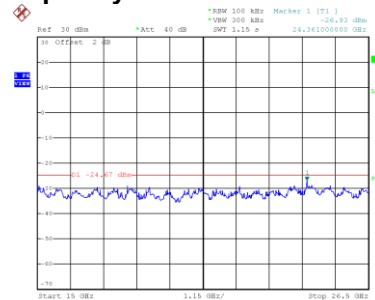
CH01 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 11:06:51

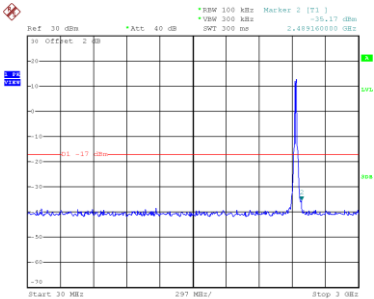


Date: 23_JUL_2020 11:06:58

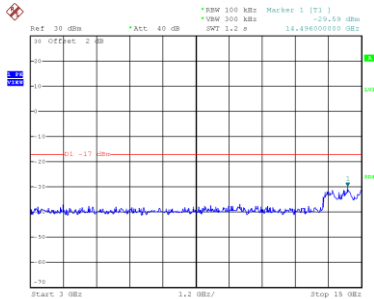


Date: 23_JUL_2020 11:07:05

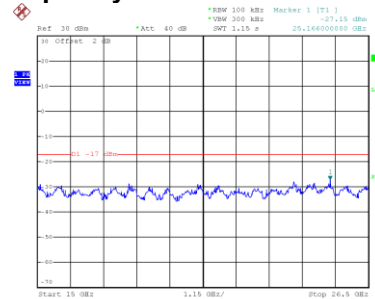
CH06 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 11:34:02

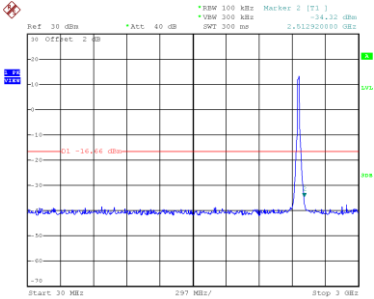


Date: 23_JUL_2020 11:34:09

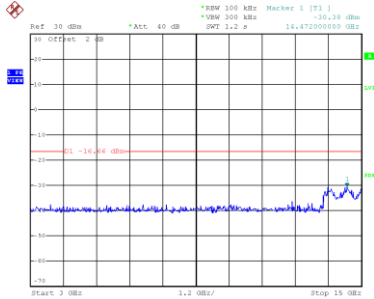


Date: 23_JUL_2020 11:34:17

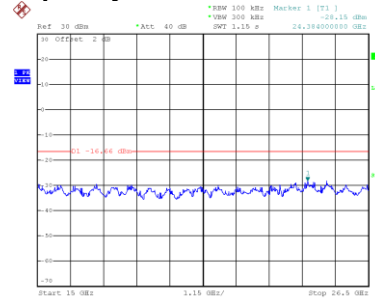
CH11 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 11:40:48



Date: 23_JUL_2020 11:40:55

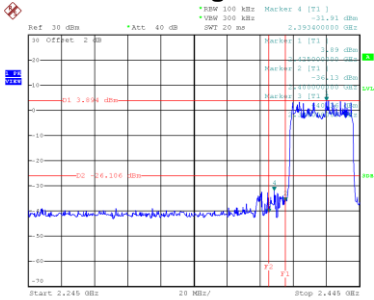


Date: 23_JUL_2020 11:41:02

Test Mode

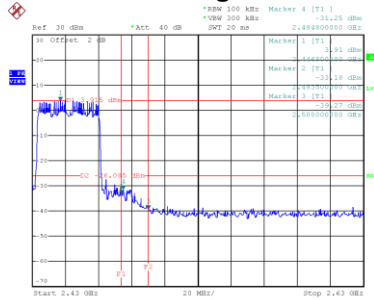
TX AX (HE40) Mode_Ant. 1

Bandedge-CH03



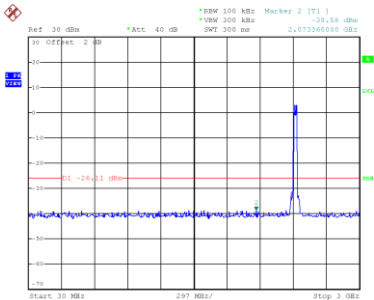
Date: 23_JUL_2020 12:11:059

Bandedge-CH09

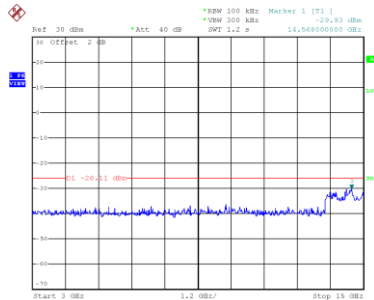


Date: 23_JUL_2020 12:12:156

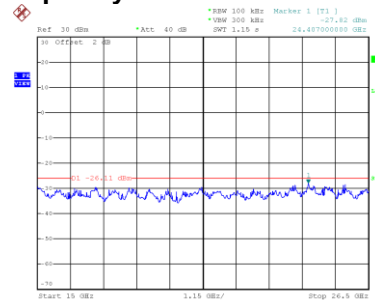
CH03 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 12:11:132

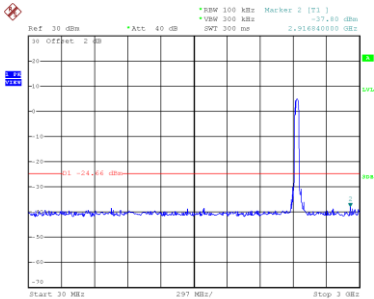


Date: 23_JUL_2020 12:11:139

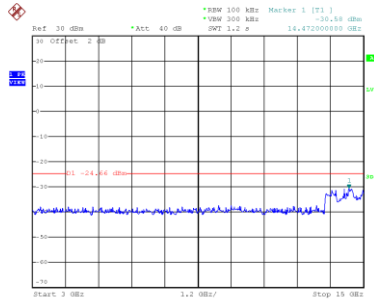


Date: 23_JUL_2020 12:11:146

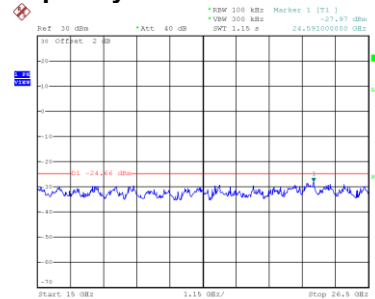
CH06 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 12:12:413

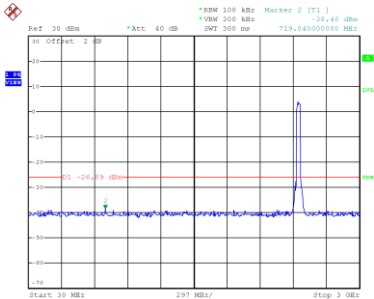


Date: 23_JUL_2020 12:12:420

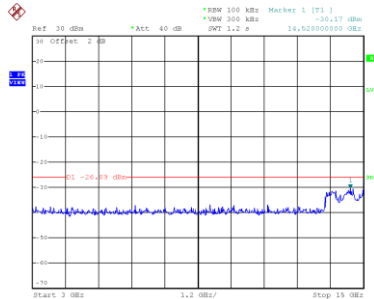


Date: 23_JUL_2020 12:12:427

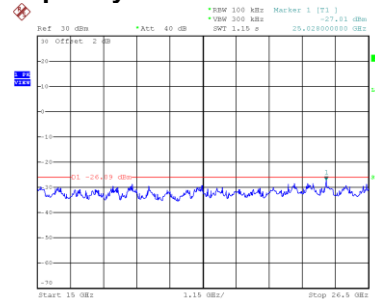
CH09 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 12:12:929



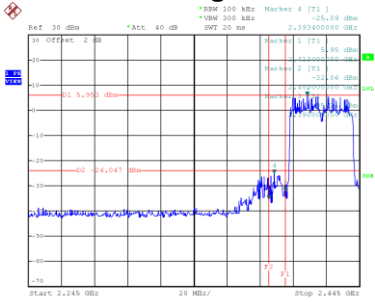
Date: 23_JUL_2020 12:12:936



Date: 23_JUL_2020 12:12:943

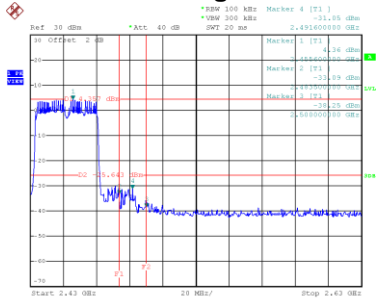
Test Mode TX AX (HE40) Mode_Ant. 2

Bandedge-CH03



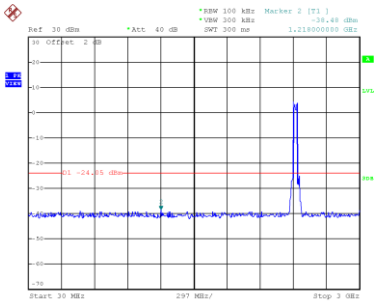
Date: 23_JUL_2020 12:10:125

Bandedge-CH09

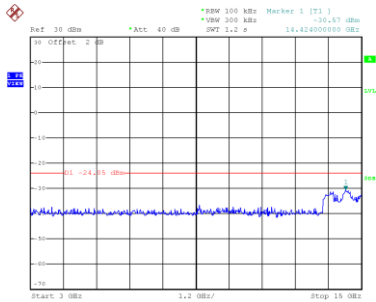


Date: 23_JUL_2020 12:12:123

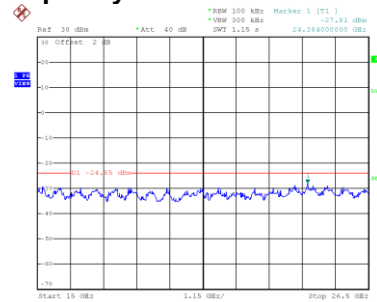
CH03 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 12:10:158

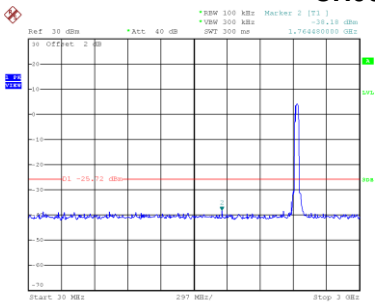


Date: 23_JUL_2020 12:10:6105

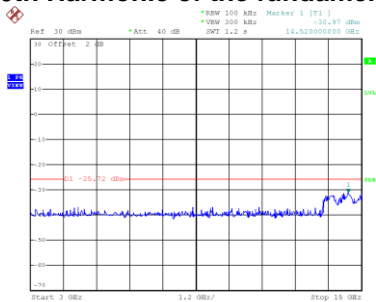


Date: 23_JUL_2020 12:10:6112

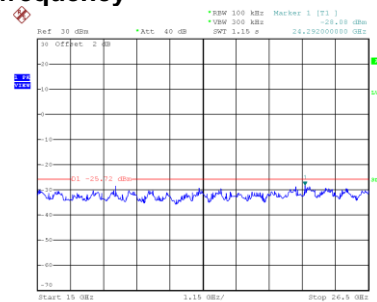
CH06 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 12:12:6109

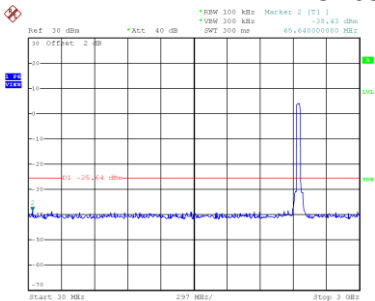


Date: 23_JUL_2020 12:12:6116

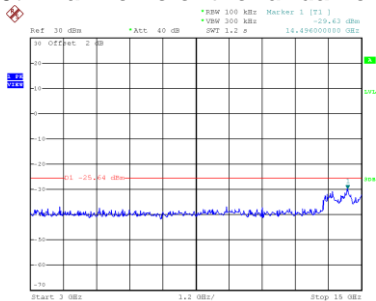


Date: 23_JUL_2020 12:12:6123

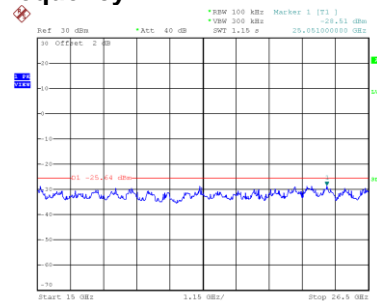
CH09 – 10th Harmonic of the fundamental frequency



Date: 23_JUL_2020 12:12:155



Date: 23_JUL_2020 12:12:8102



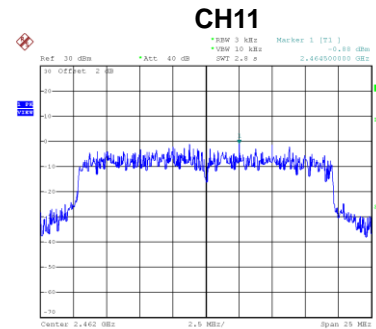
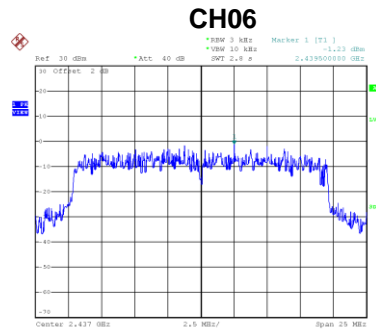
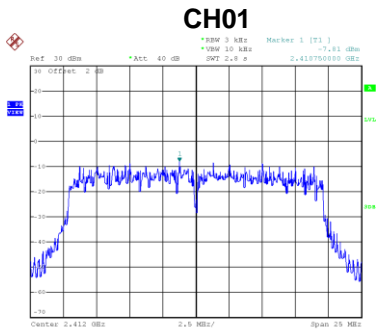
Date: 23_JUL_2020 12:12:8109

APPENDIX H - POWER SPECTRAL DENSITY

CDD

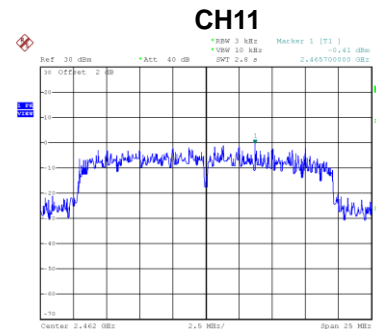
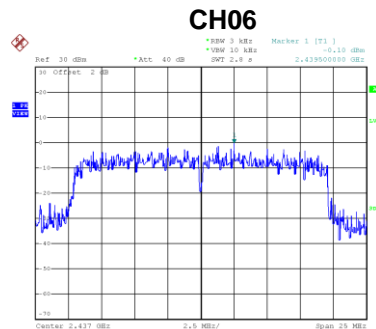
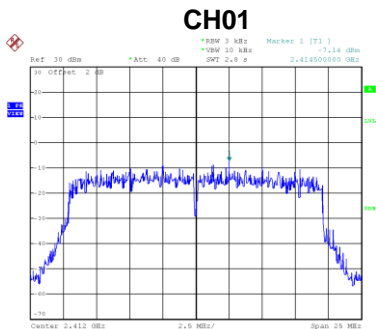
| | |
|-----------|--------------------------|
| Test Mode | TX AX (HE20) Mode_Ant. 1 |
|-----------|--------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Max. Limit (dBm/3kHz) | Result |
|---------|-----------------|-----------------------------------|-----------------------|----------|
| 01 | 2412 | -7.81 | 5.99 | Complies |
| 06 | 2437 | -1.23 | 5.99 | Complies |
| 11 | 2462 | -0.88 | 5.99 | Complies |



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

| Channel | Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Max. Limit (dBm/3kHz) | Result |
|---------|-----------------|-----------------------------------|-----------------------|----------|
| 01 | 2412 | -7.14 | 5.99 | Complies |
| 06 | 2437 | -0.1 | 5.99 | Complies |
| 11 | 2462 | -0.41 | 5.99 | Complies |

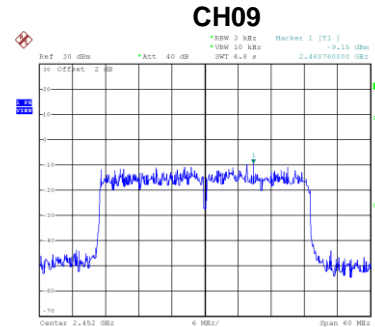
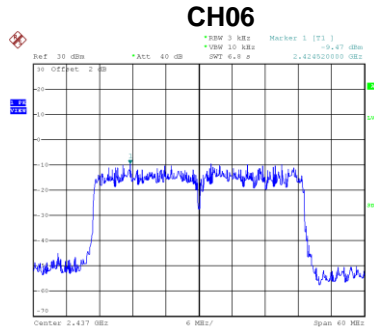
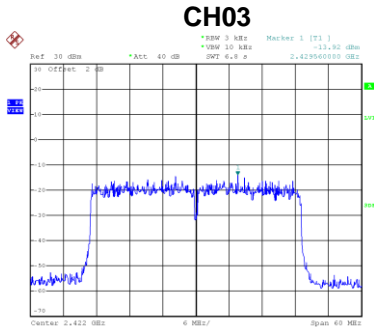


| | |
|-----------|-------------------------|
| Test Mode | TX AX (HE20) Mode_Total |
|-----------|-------------------------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Max. Limit (dBm/3kHz) | Result |
|---------|-----------------|-----------------------------------|-----------------------|----------|
| 01 | 2412 | -1.52 | 5.99 | Complies |
| 06 | 2437 | 5.32 | 5.99 | Complies |
| 11 | 2462 | 5.31 | 5.99 | Complies |

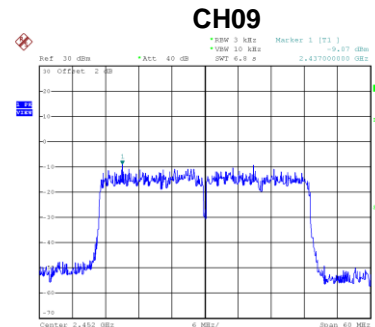
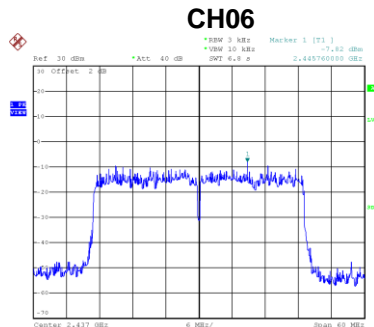
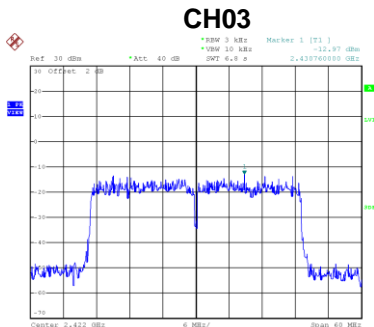
Test Mode TX AX (HE40) Mode_Ant. 1

| Channel | Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Max. Limit (dBm/3kHz) | Result |
|---------|-----------------|-----------------------------------|-----------------------|----------|
| 03 | 2422 | -13.92 | 5.99 | Complies |
| 06 | 2437 | -9.47 | 5.99 | Complies |
| 09 | 2452 | -9.15 | 5.99 | Complies |



Test Mode TX AX (HE40) Mode_Ant. 2

| Channel | Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Max. Limit (dBm/3kHz) | Result |
|---------|-----------------|-----------------------------------|-----------------------|----------|
| 03 | 2422 | -12.97 | 5.99 | Complies |
| 06 | 2437 | -7.82 | 5.99 | Complies |
| 09 | 2452 | -9.07 | 5.99 | Complies |



Test Mode TX AX (HE40) Mode_Total

| Channel | Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Max. Limit (dBm/3kHz) | Result |
|---------|-----------------|-----------------------------------|-----------------------|----------|
| 03 | 2422 | -7.27 | 5.99 | Complies |
| 06 | 2437 | -2.42 | 5.99 | Complies |
| 09 | 2452 | -2.97 | 5.99 | Complies |

End of Test Report