

## TEST REPORT

**Report Number: 16090671HKG-001**

Application for Original Grant of 47 CFR Part 15 Certification

**FCC ID: 2ANJG-KUBEV1001**

**PREPARED AND CHECKED BY:**

**APPROVED BY:**

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Date: June 30, 2017

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## TEST REPORT

### GENERAL INFORMATION

|                                    |                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------|
| <b>Applicant Name:</b>             | Thomas & Darden Inc.                                                               |
| <b>Applicant Address:</b>          | 916 Springdale Road, Building 4,<br>Suite 104, Austin, TX 78702,<br>United States. |
| <b>FCC Specification Standard:</b> | FCC Part 15, October 1, 2015 Edition                                               |
| <b>FCC ID:</b>                     | 2ANJG-KUBEV1001                                                                    |
| <b>FCC Model(s):</b>               | KUBEV1-001                                                                         |
| <b>Type of EUT:</b>                | Spread Spectrum Transmitter                                                        |
| <b>Description of EUT:</b>         | Wi-Fi, BT, Aux-in Speaker                                                          |
| <b>Serial Number:</b>              | N/A                                                                                |
| <b>Sample Receipt Date:</b>        | April 26, 2017                                                                     |
| <b>Date of Test:</b>               | April 26, 2017 to May 15, 2017                                                     |
| <b>Report Date:</b>                | June 30, 2017                                                                      |
| <b>Environmental Conditions:</b>   | Temperature: +10 to 40°C<br>Humidity: 10 to 90%                                    |

## TEST REPORT

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## TEST REPORT

### EXHIBIT 1 TEST RESULTS SUMMARY & STATEMENT OF COMPLIANCE

#### 1.0 TEST RESULTS SUMMARY & STATEMENT OF COMPLIANCE

##### 1.1 Summary of Test Results

| TEST ITEMS                                                   | FCC PART 15<br>SECTION     | RESULTS | DETAILS<br>SEE<br>SECTION |
|--------------------------------------------------------------|----------------------------|---------|---------------------------|
| Antenna Requirement                                          | 15.203                     | Pass    | 2.1                       |
| Max. Conducted Output Power (Peak)                           | 15.247(b)(3)&(4)           | Pass    | 4.1                       |
| Min. 6dB RF Bandwidth                                        | 15.247(a)(2)               | Pass    | 4.2                       |
| Max. Power Density (average)                                 | 15.247(e)                  | Pass    | 4.3                       |
| Out of Band Antenna Conducted Emission                       | 15.247(d)                  | Pass    | 4.4                       |
| Radiated Emission in Restricted Bands and Spurious Emissions | 15.247(d), 15.209 & 15.109 | Pass    | 4.6                       |
| AC Power Line Conducted Emission                             | 15.207 & 15.107            | Pass    | 4.7                       |

Note: Pursuant to FCC Part 15 Section 15.215(c), the 20dB bandwidth of the emission was contained within the frequency band designated (mentioned as above) which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over expected variations in temperature and supply voltage were considered.

##### 1.2 Statement of Compliance

The equipment under test is found to be complying with the following standard:

FCC Part 15, October 1, 2016 Edition

## TEST REPORT

### EXHIBIT 2 GENERAL DESCRIPTION

#### 2.0 GENERAL DESCRIPTION

##### 2.1 Product Description

The KUBEv1-001 is a Wi-Fi, BT, Aux-in Speaker.

The EUT can support Bluetooth 3.0 mode, Bluetooth 4.0 BLE mode, 2.4GHz WiFi mode, 5.8GHz WiFi mode and 1.9GHz DECT mode.

For 802.11b mode, it operates at frequency range of 2412.000MHz to 2462.000MHz with 11 channels. It transmits via Direct-sequence spread spectrum (DSSS) modulation. Maximum bit rate can be up to 11Mbps.

For 802.11g mode, it operates at frequency range of 2412.000MHz to 2462.000MHz with 11 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can be up to 54Mbps.

For 802.11n (with 20MHz bandwidth) mode, it operates at frequency range of 2412.000MHz to 2462.000MHz with 11 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 65Mbps.

For 802.11n (with 40MHz bandwidth) mode, it operates at frequency range of 2422.000MHz to 2452.000MHz with 7 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 65Mbps.

For 5.15-5.25GHz:

The Equipment Under Test (EUT) operates at frequency range of 5180MHz to 5240MHz with 4 channels.

For 802.11a mode, it operates at frequency range of 5180.00MHz to 5250.000MHz with 4 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can be up to 54Mbps.

For 802.11n (with 20MHz bandwidth) mode, it operates at frequency range of 5180.00MHz to 5250.000MHz with 4 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 65.0Mbps.

For 802.11n (with 40MHz bandwidth) mode, it operates at frequency range of 5190.00MHz to 5230.000MHz with 2 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 135.0Mbps.

For 802.11ac (with 20MHz bandwidth) mode, it operates at frequency range of 5180.00MHz to 5250.000MHz with 4 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 86.7Mbps.

For 802.11ac (with 40MHz bandwidth) mode, it operates at frequency range of 5190.00MHz to 5230.000MHz with 2 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 180Mbps.

For 802.11ac (with 80MHz bandwidth) mode, it operates at frequency 5210MHz. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 390Mbps.

## TEST REPORT

For 5.725-5.850GHz:

The Equipment Under Test (EUT) operates at frequency range of 5745MHz to 5825MHz with 5 channels.

For 802.11a mode, it operates at frequency range of 5745.00MHz to 5825.000MHz with 5 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can be up to 54Mbps.

For 802.11n (with 20MHz bandwidth) mode, it operates at frequency range of 5745MHz to 5825MHz with 5 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 216.6Mbps.

For 802.11n (with 40MHz bandwidth) mode, it operates at frequency range of 5755.00MHz to 5795.000MHz with 2 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 450Mbps.

For 802.11ac (with 20MHz bandwidth) mode, it operates at frequency range of 5745MHz to 5825MHz with 5 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 260Mbps.

For 802.11ac (with 40MHz bandwidth) mode, it operates at frequency range of 5755.00MHz to 5795.000MHz with 2 channels. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 600Mbps.

For 802.11ac (with 80MHz bandwidth) mode, it operates at frequency 5775MHz. It transmits via Orthogonal Frequency Division Multiplexing (OFDM) modulation. Maximum bit rate can support up to 1300Mbps.

### For the Bluetooth module:

For Bluetooth 3.0 mode, it occupies a frequency range from 2402MHz to 2480MHz (79 channels with channel spacing of 1MHz). It transmits via GFSK modulation.

The EUT is power by an 100-240VAC adaptor.

The antenna(s) used in the EUT are Internal, Integral and without MIMO function.

The circuit description is saved with filename: descri.pdf.

## TEST REPORT

### 2.2 Test Methodology

Both AC power line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). Preliminary radiated scans and all radiated measurements were performed in radiated emission test sites. All Radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "**Justification Section**" of this Application. Antenna port conducted measurements were performed according to ANSI C63.10 (2013) and KDB Publication No.558074 D01 v03r05 (08-April-2016) All other measurements were made in accordance with the procedures in 47 CFR Part 2.

### 2.3 Test Facility

The radiated emission test site and antenna port conducted measurement facility used to collect the radiated data and conductive data are at Workshop No. 3, G/F., World-Wide Industrial Centre, 43-47 Shan Mei Street, Fo Tan, Sha Tin, N.T., Hong Kong. This test facility and site measurement data have been fully placed on file with the FCC.

### 2.4 Related Submittal(s) Grants

This is a single application for certification of a transceiver (WiFi portion)

## TEST REPORT

### EXHIBIT 3 SYSTEM TEST CONFIGURATION

#### 3.0 SYSTEM TEST CONFIGURATION

##### 3.1 Justification

For radiated emissions testing, the equipment under test (EUT) was setup to transmit / receive continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables (if any) were manipulated to produce worst case emissions.

The EUT was powered by a 100-240VAC adaptor.

For the measurements, the EUT was attached to a plastic stand if necessary and placed on the wooden turntable. If the base unit attached to peripherals, they were connected and operational (as typical as possible).

The signal was maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization were varied during the search for maximum signal level. The antenna height was varied from 1 to 4 meters. Radiated emissions were taken at three meters unless the signal level was too low for measurement at that distance. If necessary, a pre-amplifier was used and/or the test was conducted at a closer distance.

For any intentional radiator powered by AC power line, measurements of the radiated signal level of the fundamental frequency component of the emission was performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage.

Radiated emission measurement for transmitter were performed from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

Emission that are directly caused by digital circuits in the transmit path and transmitter portion were measured, and the limit are according to FCC Part 15 Section 15.209. Digital circuitries used to control additional functions other than the operation of the transmitter are subject to FCC Part 15 Section 15.109.



## TEST REPORT

### 3.1 Justification – Cont'd

Detector function for radiated emissions was in peak mode. Average readings, when required, were taken by measuring the duty cycle of the equipment under test and subtracting the corresponding amount in dB from the measured peak readings. A detailed description for the calculation of the average factor can be found in section 4.8.3.

Determination of pulse desensitization was made according to *Hewlett Packard Application Note 150-2, Spectrum Analysis... Pulsed RF*. The effective period (Teff) was referred to Exhibit 4.8.3. With the resolution bandwidth 1MHz and spectrum analyzer IF bandwidth 3dB, the pulse desensitization factor was 0dB.

For AC line conducted emission test, the EUT along with its peripherals were placed on a 1.0m(W)x1.5m(L) and 0.8m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane. The EUT was connected to power mains through a line impedance stabilization network (LISN), which provided 50ohm coupling impedance for measuring instrument. The LISN housing, measuring instrument case, reference ground plane, and vertical ground plane were bounded together. The excess power cable between the EUT and the LISN was bundled.

All connecting cables of EUT and peripherals were manipulated to find the maximum emission.

Different data rates have been tested. Worst case is reported only.

All relevant operation modes have been tested, and the worst case data is included in this report.

All data rates were tested under normal mode of WiFi. Only the worst-case data is shown in the report for DSSS and OFDM

### 3.2 EUT Exercising Software

The EUT exercise program (if any) used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use.

## TEST REPORT

### 3.3 Details of EUT and Description of Accessories

#### Details of EUT:

An AC adaptor or an internal battery (provided with the unit) was used to power the device. Their description are listed below.

- (1) An AC adaptor (Model: SLD4502300P2, Input: 100-240VAC 50-60Hz; Output: 45VDC 2300mA) (Provided by Client)
- (2) A LI-ION type rechargeable battery (33VDC) (Provided by Client)

#### Description of Accessories:

There are no accessories for compliance of this product.

### 3.4 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty of test at a level of confidence of 95% has been considered. The values of the Measurement uncertainty for radiated emission test and RF conducted measurement test are  $\pm 5.3\text{dB}$  and  $\pm 0.99\text{dB}$  respectively. The value of the Measurement uncertainty for conducted emission test is  $\pm 4.2\text{dB}$ .

Uncertainty and Compliance - Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value.

## TEST REPORT

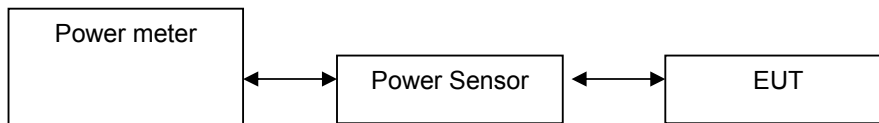
### EXHIBIT 4 TEST RESULTS

#### 4.0 TEST RESULTS

##### 4.1 Maximum Conducted (peak) Output Power at Antenna Terminals

###### RF Conduct Measurement Test Setup

The figure below shows the test setup, which is utilized to make these measurements.



The antenna port of the EUT was connected to the input of a spectrum analyzer.

- ☒ The antenna power of the EUT was connected to the input of a power meter. Power was read directly and cable loss correction was added to the reading to obtain power at the EUT antenna terminals. The measurement procedure 9.1.2 was used.
- ☐ The EUT should be configured to transmit continuously (at a minimum duty cycle of 98%) at full power over the measurement duration. The measurement procedure AVG1 was used.

###### IEEE 802.11b (DSSS, 1 Mbps) Antenna Gain = 2 dBi ANT 1

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2412    | 17.60         | 57.5            |
| Middle Channel: 2437 | 17.50         | 56.2            |
| High Channel: 2462   | 17.56         | 57.0            |

###### IEEE 802.11b (DSSS, 1 Mbps) Antenna Gain = 2 dBi ANT 2

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2412    | 17.96         | 62.5            |
| Middle Channel: 2437 | 17.65         | 58.2            |
| High Channel: 2462   | 17.70         | 58.9            |

## TEST REPORT

IEEE 802.11g (OFDM, 6 Mbps) Antenna Gain = 2 dBi ANT 1

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2412    | 22.79         | 190.1           |
| Middle Channel: 2437 | 22.68         | 185.4           |
| High Channel: 2462   | 22.98         | 198.6           |

IEEE 802.11g (OFDM, 6 Mbps) Antenna Gain = 2 dBi ANT 2

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2412    | 23.17         | 207.5           |
| Middle Channel: 2437 | 23.22         | 209.9           |
| High Channel: 2462   | 22.77         | 189.2           |

IEEE 802.11n (20MHz) (OFDM, MCS0) Antenna Gain = 2 dBi ANT 1

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2412    | 22.62         | 182.8           |
| Middle Channel: 2437 | 23.07         | 202.8           |
| High Channel: 2462   | 22.86         | 193.2           |

IEEE 802.11n (20MHz) (OFDM, MCS0) Antenna Gain = 2 dBi ANT 2

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2412    | 22.36         | 172.2           |
| Middle Channel: 2437 | 22.81         | 191.0           |
| High Channel: 2462   | 22.78         | 189.7           |

## TEST REPORT

### 4.1 Maximum Conducted Output Power at Antenna Terminals – Cont'd

IEEE 802.11n (40MHz) (OFDM, MCS0) Antenna Gain = 2 dBi ANT 1

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2412    | 21.94         | 156.3           |
| Middle Channel: 2437 | 21.98         | 157.8           |
| High Channel: 2462   | 21.78         | 150.7           |

IEEE 802.11n (40MHz) (OFDM, MCS0) Antenna Gain = 2 dBi ANT 2

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2412    | 22.03         | 159.6           |
| Middle Channel: 2437 | 21.74         | 149.3           |
| High Channel: 2462   | 22.07         | 161.1           |

IEEE 802.15.1 BLE (GFSK) Antenna Gain = 2 dBi ANT 1

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2402    | 9.8           | 9.5             |
| Middle Channel: 2440 | 9.7           | 9.3             |
| High Channel: 2480   | 9.4           | 8.7             |

IEEE 802.15.1 BLE (GFSK) Antenna Gain = 2 dBi ANT 2

| Frequency (MHz)      | Output in dBm | Output in mWatt |
|----------------------|---------------|-----------------|
| Low Channel: 2402    | 9.7           | 9.3             |
| Middle Channel: 2440 | 9.7           | 9.3             |
| High Channel: 2480   | 9.3           | 8.5             |

Cable loss : 0.5 dB External Attenuation : 0 dB

Cable loss, external attenuation: ☒ included in OFFSET function  
☐ added to SA raw reading

IEEE 802.11b (DSSS, 1 Mbps)

max. conducted (peak) output level = 17.96 dBm

IEEE 802.11g (OFDM, 9 Mbps)

max. conducted (peak) output level = 23.22 dBm

IEEE 802.11n (20MHz) (OFDM, MCS0)

max. conducted (peak) output level = 23.07 dBm

IEEE 802.11n (40MHz) (OFDM, MCS0)

max. conducted (peak) output level = 22.07 dBm

IEEE 802.15.1 (BLE) (GFSK)

max. conducted (peak) output level = 9.8 dBm

Limits:

☒ 1W (30dBm) for antennas with gains of 6dBi or less

☐ \_\_\_ W (\_\_\_ dBm) for antennas with gains more than 6dBi

## TEST REPORT

### 4.2 Minimum 6dB RF Bandwidth

The antenna port of the EUT was connected to the input of a spectrum analyzer. The EBW measurement procedure was used. A PEAK output reading was taken, a DISPLAY line was drawn 6dB lower than PEAK level. The 6dB bandwidth was determined from where the channel output spectrum intersected the display line.

#### IEEE 802.11b (DSSS, 1 Mbps) ANT 1

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2412    | 10.274314           |
| Middle Channel: 2437 | 10.274314           |
| High Channel: 2462   | 10.274314           |

#### IEEE 802.11b (DSSS, 1 Mbps) ANT 2

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2412    | 10.274314           |
| Middle Channel: 2437 | 10.274314           |
| High Channel: 2462   | 10.274314           |

#### IEEE 802.11g (OFDM, 6 Mbps) ANT 1

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2412    | 16.458853           |
| Middle Channel: 2437 | 16.458853           |
| High Channel: 2462   | 16.458853           |

#### IEEE 802.11g (OFDM, 6 Mbps) ANT 2

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2412    | 16.458853           |
| Middle Channel: 2437 | 16.458853           |
| High Channel: 2462   | 16.458853           |

## TEST REPORT

### IEEE 802.11n (20MHz) (OFDM, MCS0) ANT 1

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2412    | 17.456359           |
| Middle Channel: 2437 | 17.456359           |
| High Channel: 2462   | 17.655860           |

### IEEE 802.11n (20MHz) (OFDM, MCS0) ANT 2

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2412    | 17.655860           |
| Middle Channel: 2437 | 17.655860           |
| High Channel: 2462   | 17.456359           |

### IEEE 802.11n (40MHz) (OFDM, MCS0) ANT 1

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2422    | 35.755306           |
| Middle Channel: 2437 | 35.955056           |
| High Channel: 2452   | 35.955056           |

### IEEE 802.11n (40MHz) (OFDM, MCS0) ANT 2

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2422    | 35.955056           |
| Middle Channel: 2437 | 35.755306           |
| High Channel: 2452   | 35.955056           |

### IEEE 802.15.1 BLE (GFSK) Antenna Gain = 2 dBi ANT 1

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2402    | 0.745               |
| Middle Channel: 2440 | 0.745               |
| High Channel: 2480   | 0.745               |

### IEEE 802.15.1 BLE (GFSK) Antenna Gain = 2 dBi ANT 2

| Frequency (MHz)      | 6dB Bandwidth (MHz) |
|----------------------|---------------------|
| Low Channel: 2402    | 0.745               |
| Middle Channel: 2440 | 0.745               |
| High Channel: 2480   | 0.745               |

Limits

6 dB bandwidth shall be at least 500kHz

The plots of 6dB RF bandwidth are saved as below.

## TEST REPORT

### PLOTS OF 6DB RF BANDWIDTH

#### ANT 1 B mode

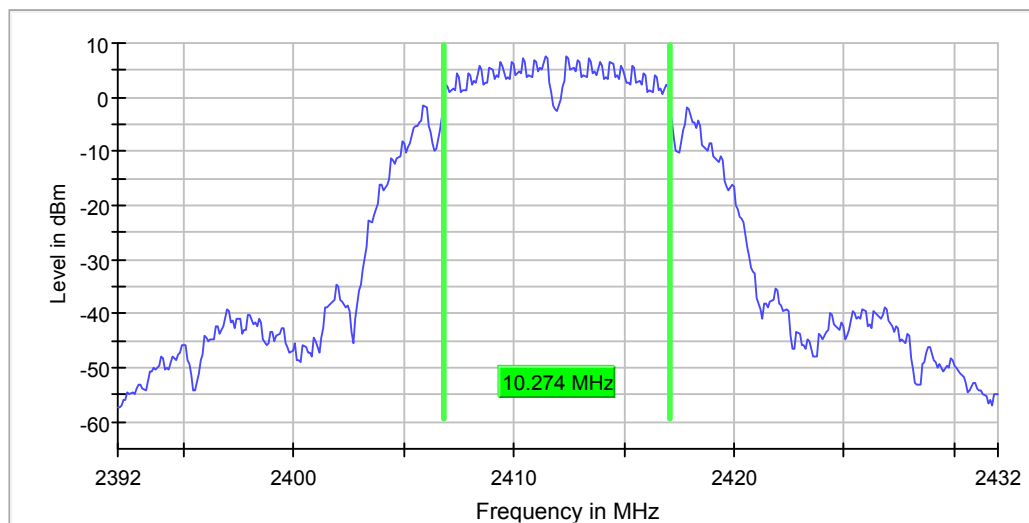
Minimum Emission Bandwidth 6 dB (2412 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2412.000000         | 10.274314       | 0.500000        | ---             | 2406.812968          | 2417.087282           | 7.6             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| Sweptime              | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 23 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |



## TEST REPORT

### ANT 1 B mode

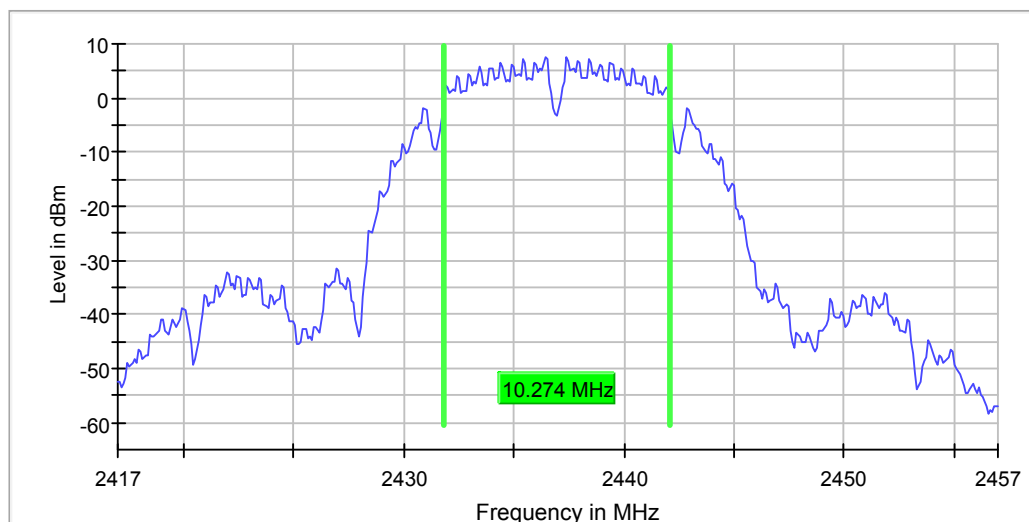
### Minimum Emission Bandwidth 6 dB (2437 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2437.000000         | 10.274314       | 0.500000        | ---             | 2431.812968          | 2442.087282           | 7.5             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 40 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 B mode

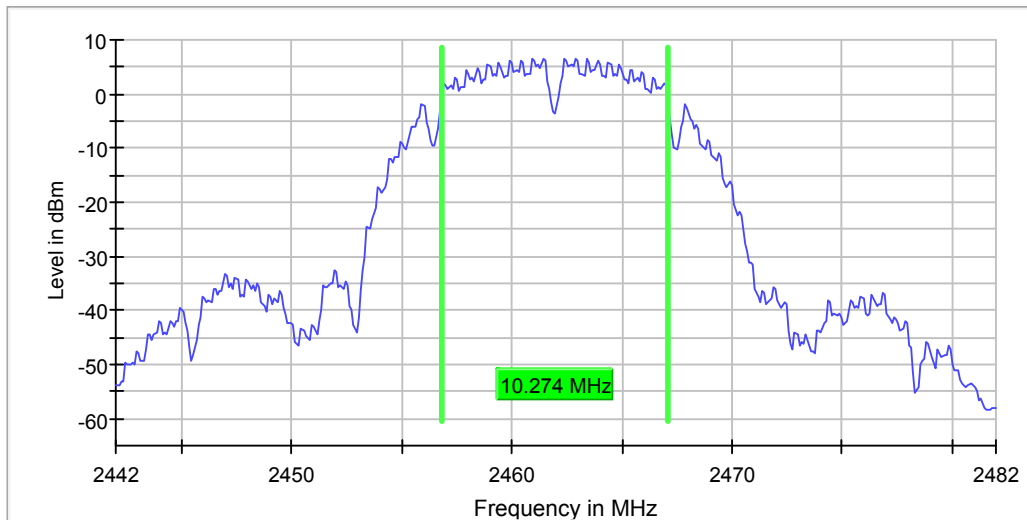
### Minimum Emission Bandwidth 6 dB (2462 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2462.000000         | 10.274314       | 0.500000        | ---             | 2456.812968          | 2467.087282           | 6.7             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 23 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.03 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 B mode

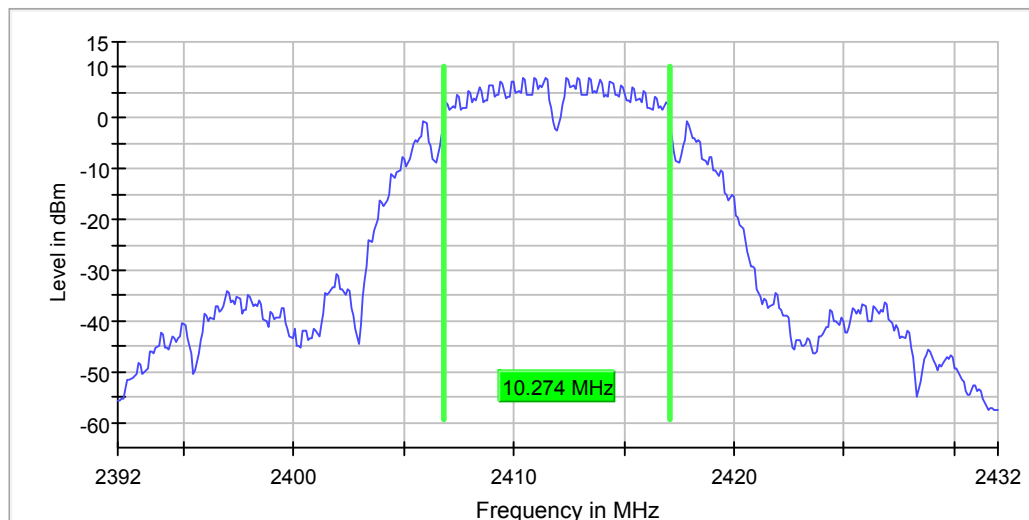
### Minimum Emission Bandwidth 6 dB (2412 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2412.000000         | 10.274314       | 0.500000        | ---             | 2406.812968          | 2417.087282           | 8.1             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 20 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.42 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 B mode

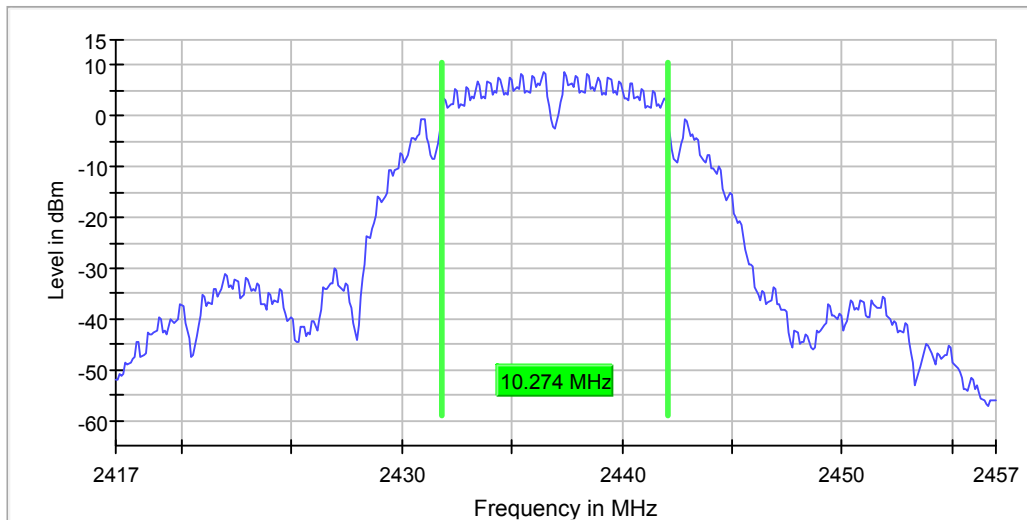
### Minimum Emission Bandwidth 6 dB (2437 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2437.000000         | 10.274314       | 0.500000        | ---             | 2431.812968          | 2442.087282           | 8.6             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 30 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.01 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 B mode

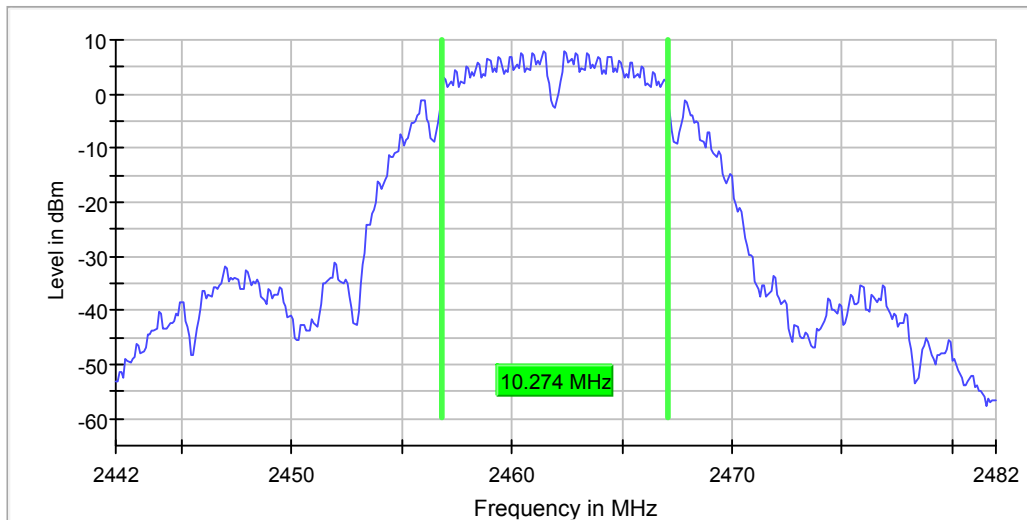
### Minimum Emission Bandwidth 6 dB (2462 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2462.000000         | 10.274314       | 0.500000        | ---             | 2456.812968          | 2467.087282           | 7.9             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |



## Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 19 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 G mode

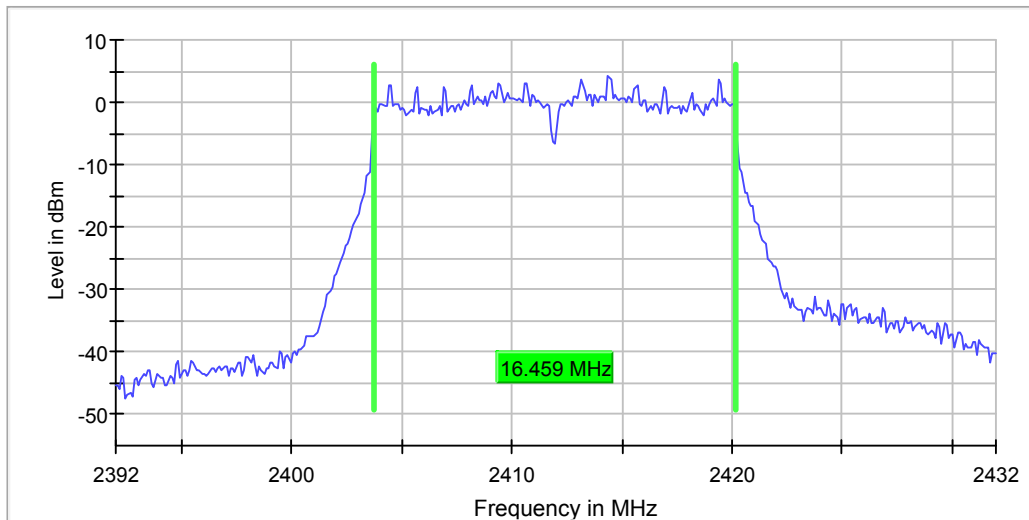
### Minimum Emission Bandwidth 6 dB (2412 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2412.000000         | 16.458853       | 0.500000        | ---             | 2403.720698          | 2420.179551           | 4.2             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 68 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.29 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 G mode

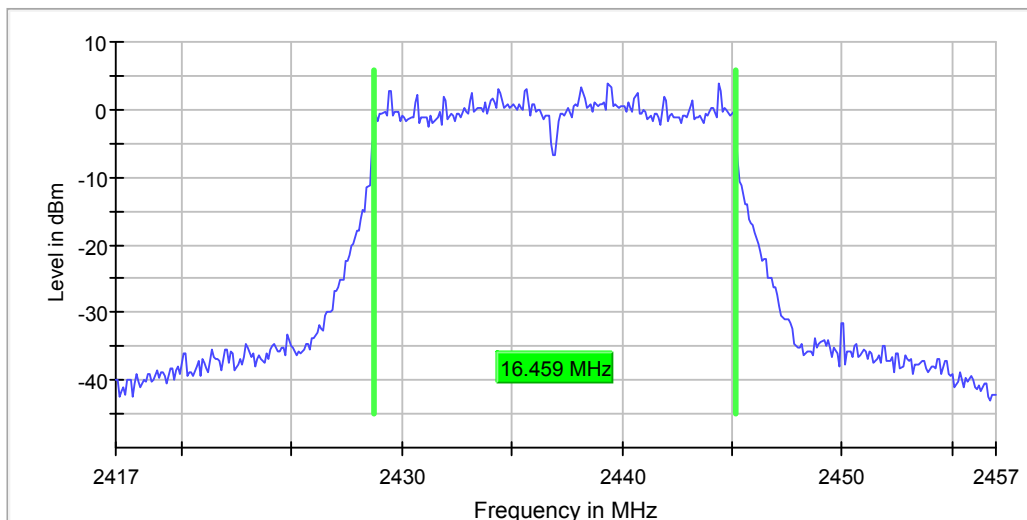
### Minimum Emission Bandwidth 6 dB (2437 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2437.000000         | 16.458853       | 0.500000        | ---             | 2428.720698          | 2445.179551           | 3.9             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 57 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.12 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 G mode

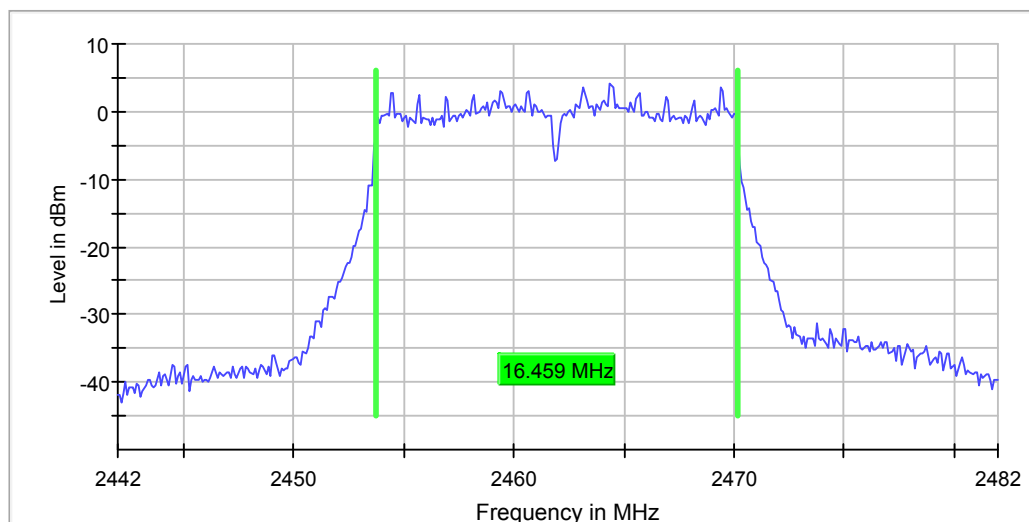
### Minimum Emission Bandwidth 6 dB (2462 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2462.000000         | 16.458853       | 0.500000        | ---             | 2453.720698          | 2470.179551           | 4.1             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 45 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.40 dB          | 0.50 dB       |



## TEST REPORT

### Ant 2 G mode

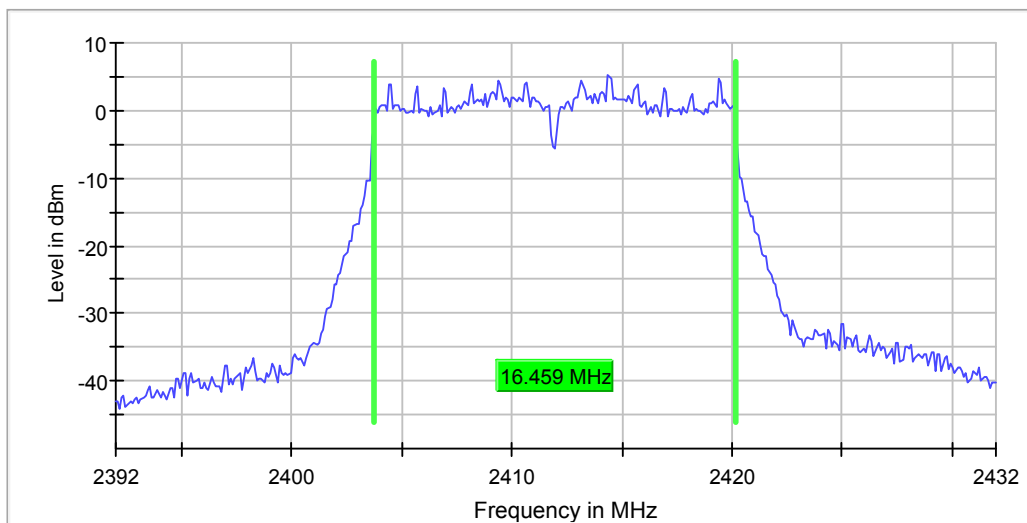
### Minimum Emission Bandwidth 6 dB (2412 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2412.000000         | 16.458853       | 0.500000        | ---             | 2403.720698          | 2420.179551           | 5.3             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 47 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.31 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 G mode

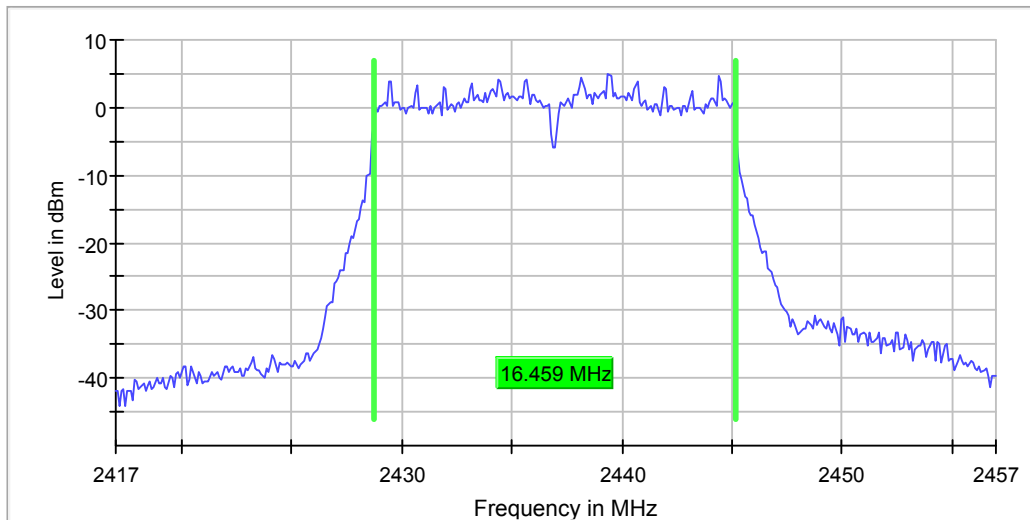
### Minimum Emission Bandwidth 6 dB (2437 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2437.000000         | 16.458853       | 0.500000        | ---             | 2428.720698          | 2445.179551           | 5.0             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 51 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 G mode

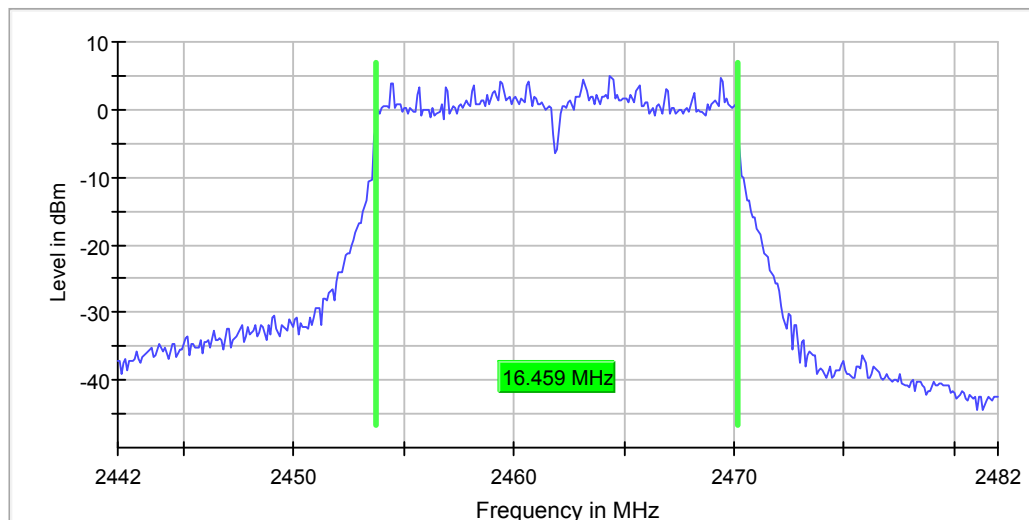
### Minimum Emission Bandwidth 6 dB (2462 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2462.000000         | 16.458853       | 0.500000        | ---             | 2453.720698          | 2470.179551           | 5.0             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 43 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.40 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 NHT20

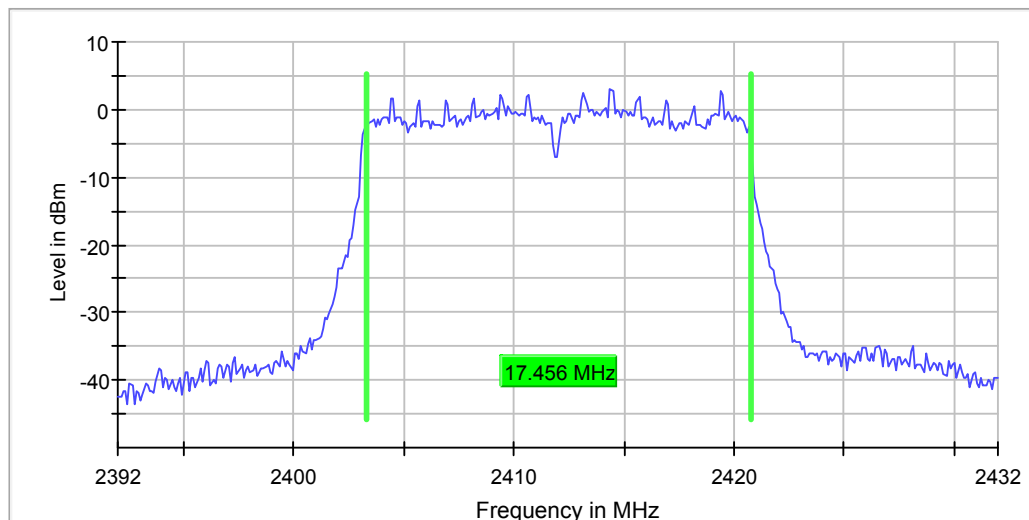
#### Minimum Emission Bandwidth 6 dB (2412 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2412.000000         | 17.456359       | 0.500000        | ---             | 2403.321696          | 2420.778055           | 3.1             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 56 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.36 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 NHT20

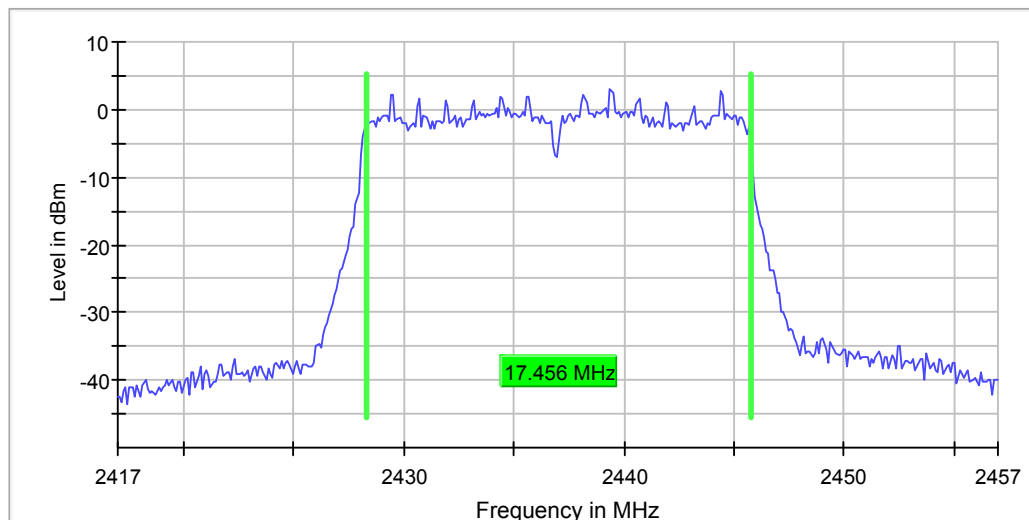
#### Minimum Emission Bandwidth 6 dB (2437 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2437.000000         | 17.456359       | 0.500000        | ---             | 2428.321696          | 2445.778055           | 3.2             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 70 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.30 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 NHT20

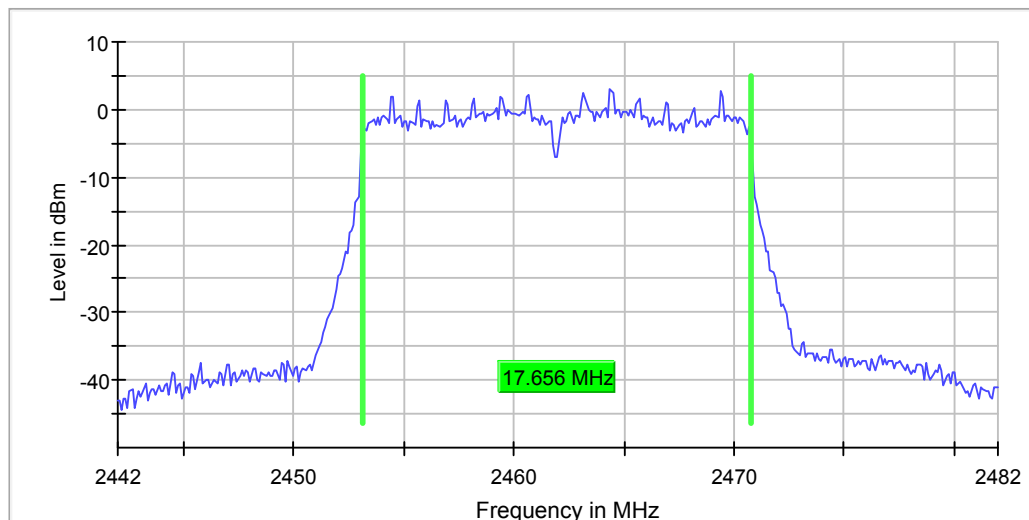
#### Minimum Emission Bandwidth 6 dB (2462 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2462.000000         | 17.655860       | 0.500000        | ---             | 2453.122195          | 2470.778055           | 3.1             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 49 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.20 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 NHT20

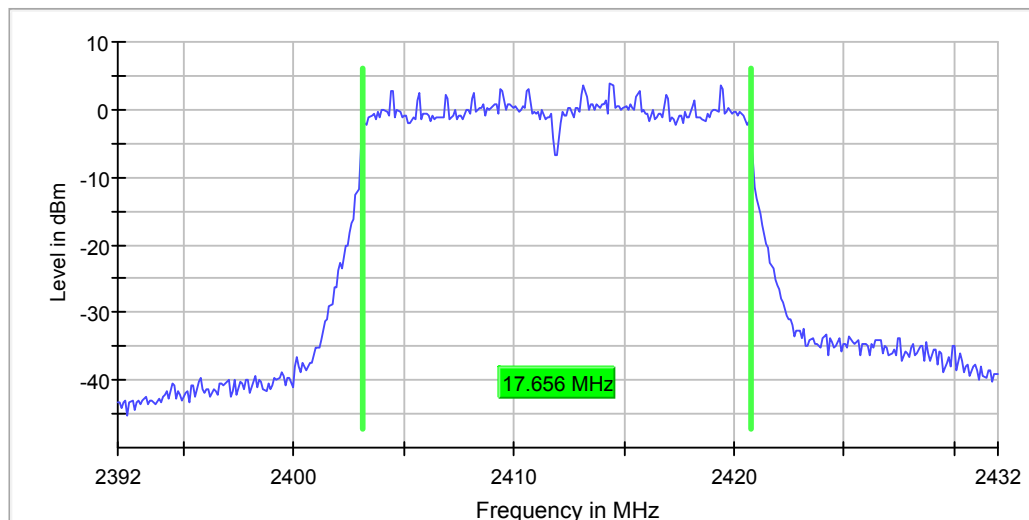
### Minimum Emission Bandwidth 6 dB (2412 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2412.000000         | 17.655860       | 0.500000        | ---             | 2403.122195          | 2420.778055           | 4.0             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39200 GHz      | 2.39200 GHz   |
| Stop Frequency        | 2.43200 GHz      | 2.43200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 68 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.09 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 NHT20

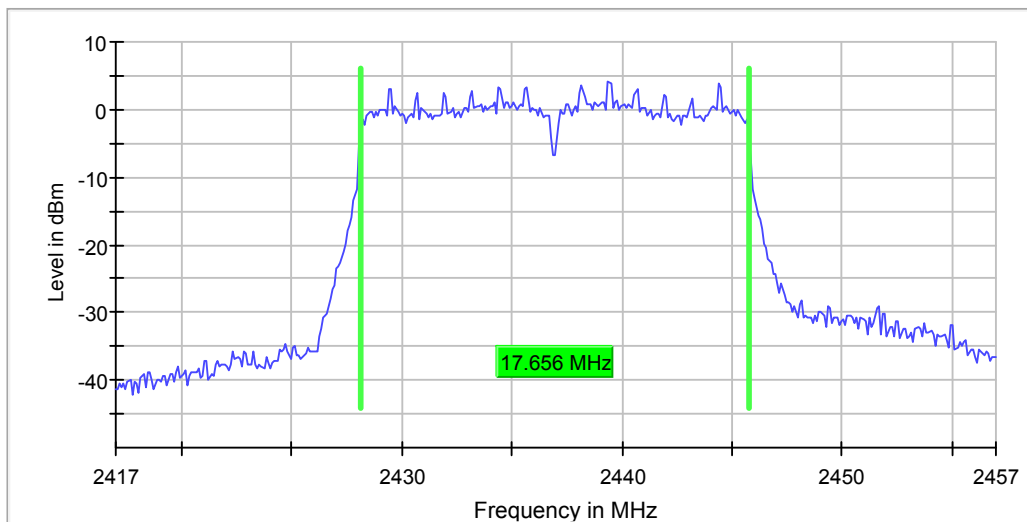
### Minimum Emission Bandwidth 6 dB (2437 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2437.000000         | 17.655860       | 0.500000        | ---             | 2428.122195          | 2445.778055           | 4.2             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41700 GHz      | 2.41700 GHz   |
| Stop Frequency        | 2.45700 GHz      | 2.45700 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 65 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.11 dB          | 0.50 dB       |



## TEST REPORT

### Ant 2 NHT20

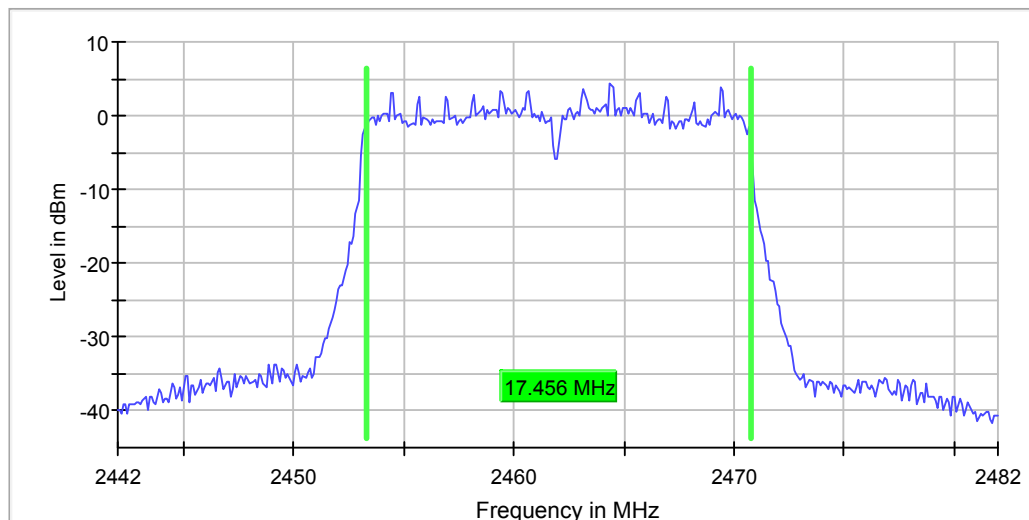
### Minimum Emission Bandwidth 6 dB (2462 MHz; 0.000 dBm; 20 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2462.000000         | 17.456359       | 0.500000        | ---             | 2453.321696          | 2470.778055           | 4.4             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.44200 GHz      | 2.44200 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 40.000 MHz       | 40.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 400              | ~ 400         |
| SweepTime             | 56.886 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 88 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.16 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 NHT40

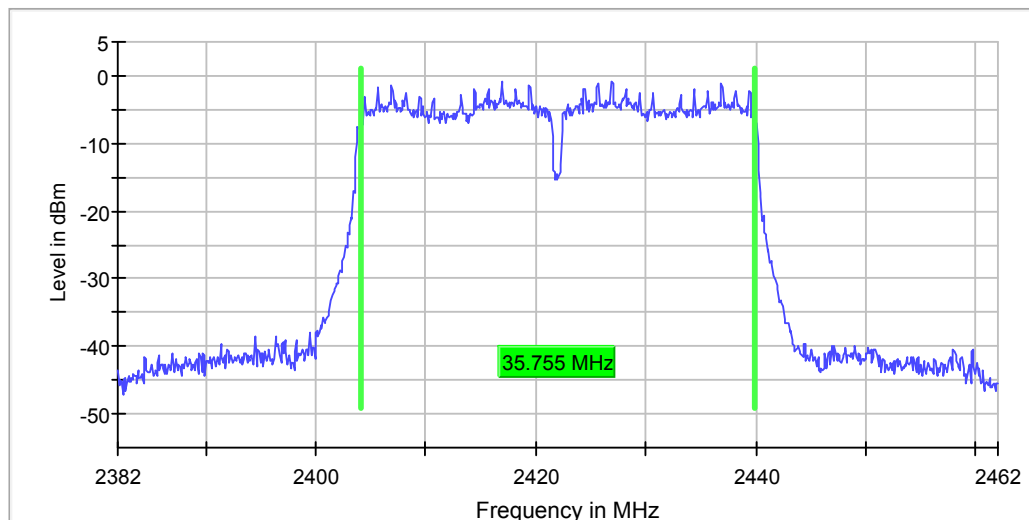
#### Minimum Emission Bandwidth 6 dB (2422 MHz; 0.000 dBm; 40 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2422.000000         | 35.755306       | 0.500000        | ---             | 2404.122347          | 2439.877653           | -0.9            |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |



## Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.38200 GHz      | 2.38200 GHz   |
| Stop Frequency        | 2.46200 GHz      | 2.46200 GHz   |
| Span                  | 80.000 MHz       | 80.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| SweepTime             | 94.810 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 109 / max. 150   | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.36 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 NHT40

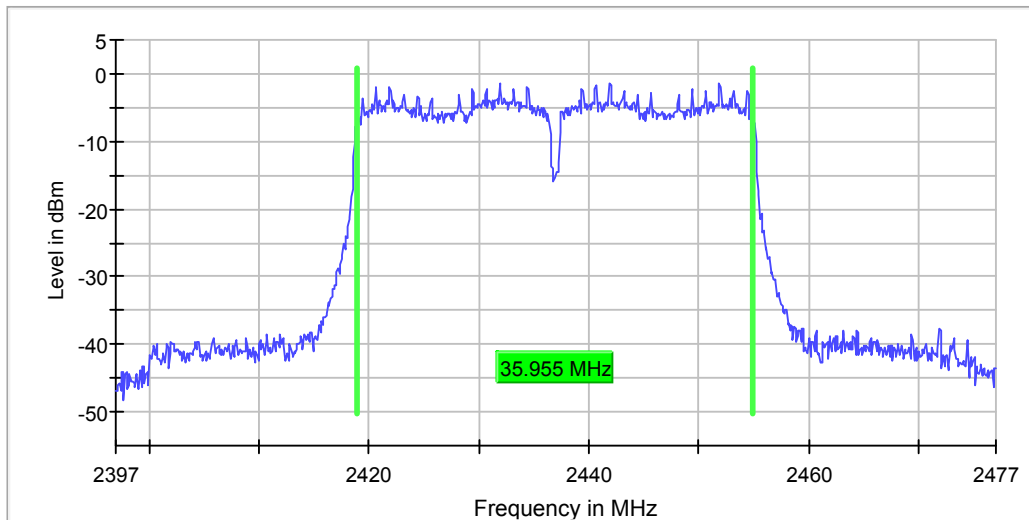
#### Minimum Emission Bandwidth 6 dB (2437 MHz; 0.000 dBm; 40 MHz)

##### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2437.000000         | 35.955056       | 0.500000        | ---             | 2418.922597          | 2454.877653           | -1.3            |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |



## Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39700 GHz      | 2.39700 GHz   |
| Stop Frequency        | 2.47700 GHz      | 2.47700 GHz   |
| Span                  | 80.000 MHz       | 80.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| SweepTime             | 94.810 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 92 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.09 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 NHT40

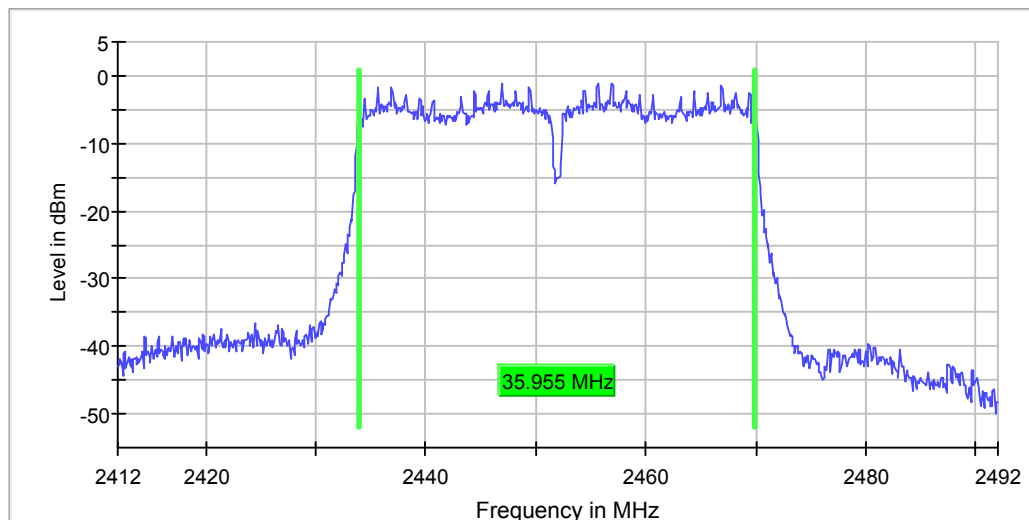
#### Minimum Emission Bandwidth 6 dB (2452 MHz; 0.000 dBm; 40 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2452.000000         | 35.955056       | 0.500000        | ---             | 2433.922597          | 2469.877653           | -1.1            |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41200 GHz      | 2.41200 GHz   |
| Stop Frequency        | 2.49200 GHz      | 2.49200 GHz   |
| Span                  | 80.000 MHz       | 80.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| SweepTime             | 94.810 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 61 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 NHT40

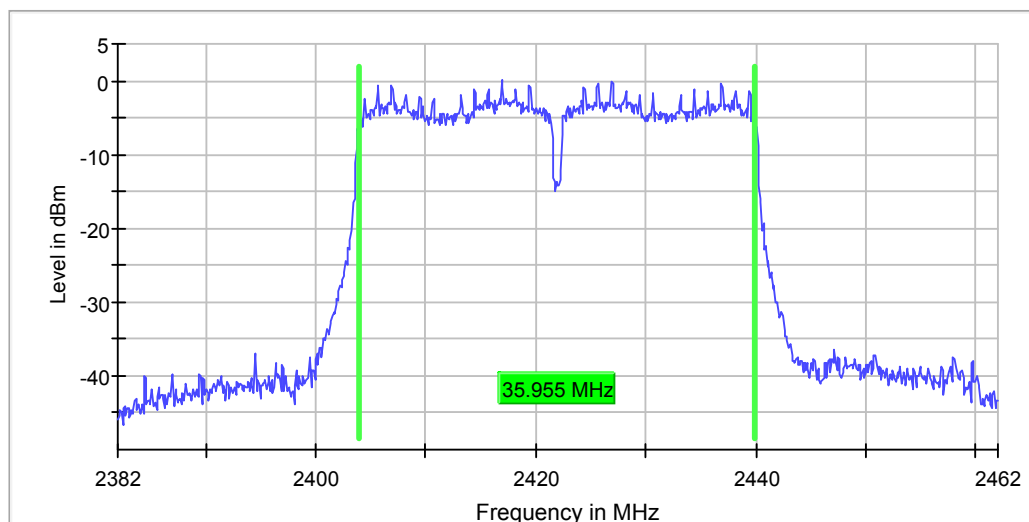
### Minimum Emission Bandwidth 6 dB (2422 MHz; 0.000 dBm; 40 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2422.000000         | 35.955056       | 0.500000        | ---             | 2403.922597          | 2439.877653           | 0.0             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.38200 GHz      | 2.38200 GHz   |
| Stop Frequency        | 2.46200 GHz      | 2.46200 GHz   |
| Span                  | 80.000 MHz       | 80.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| SweepTime             | 94.810 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 90 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.31 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 NHT40

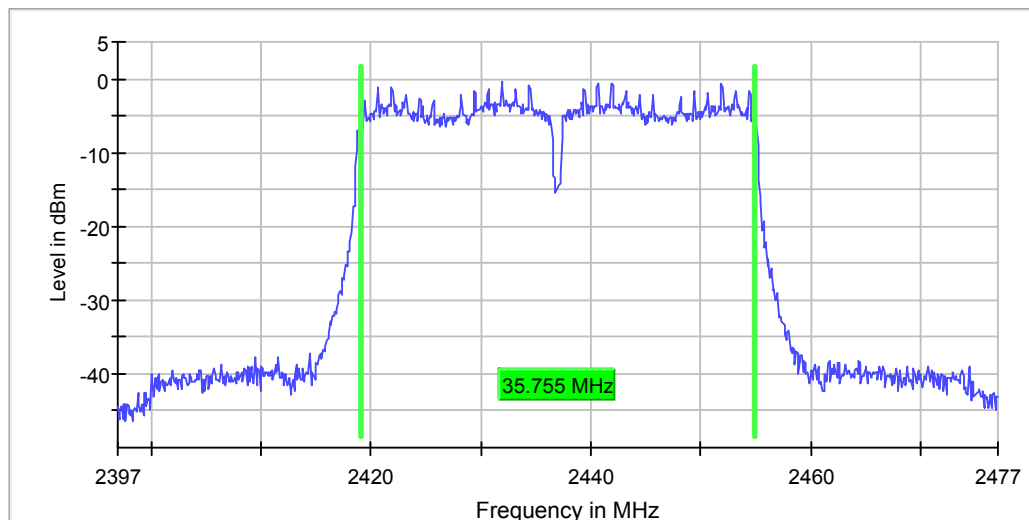
### Minimum Emission Bandwidth 6 dB (2437 MHz; 0.000 dBm; 40 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2437.000000         | 35.755306       | 0.500000        | ---             | 2419.122347          | 2454.877653           | -0.4            |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.39700 GHz      | 2.39700 GHz   |
| Stop Frequency        | 2.47700 GHz      | 2.47700 GHz   |
| Span                  | 80.000 MHz       | 80.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| SweepTime             | 94.810 $\mu$ s   | AUTO          |
| Reference Level       | 0.000 dBm        | -10.000 dBm   |
| Attenuation           | 20.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 72 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.09 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 NHT40

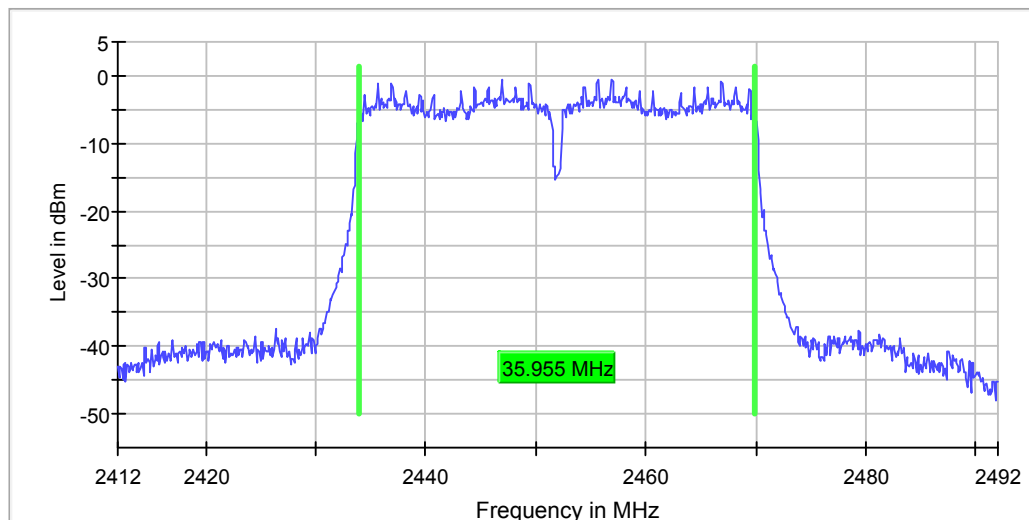
#### Minimum Emission Bandwidth 6 dB (2452 MHz; 0.000 dBm; 40 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2452.000000         | 35.955056       | 0.500000        | ---             | 2433.922597          | 2469.877653           | -0.5            |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.41200 GHz      | 2.41200 GHz   |
| Stop Frequency        | 2.49200 GHz      | 2.49200 GHz   |
| Span                  | 80.000 MHz       | 80.000 MHz    |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 800              | ~ 800         |
| SweepTime             | 94.810 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 64 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.47 dB          | 0.50 dB       |

### ANT 1 BLE

#### Minimum Emission Bandwidth 6 dB (2402 MHz; 0 (0 dBm); 2 MHz)

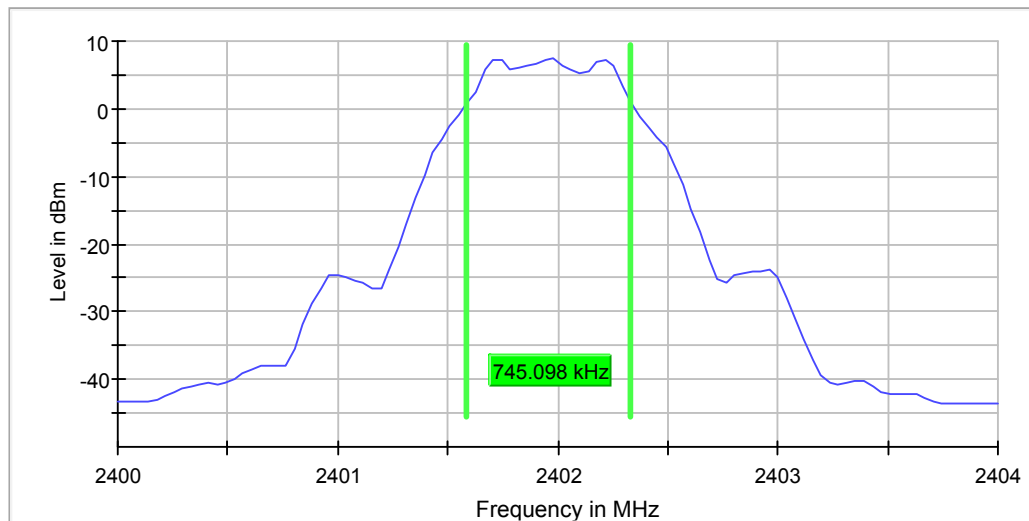
## TEST REPORT

### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2402.000000         | 0.745098        | 0.500000        | ---             | 2401.588235          | 2402.333333           | 7.4             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |



### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40000 GHz      | 2.40000 GHz   |
| Stop Frequency        | 2.40400 GHz      | 2.40400 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 18.938 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 19 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |



## TEST REPORT

### ANT 1 BLE

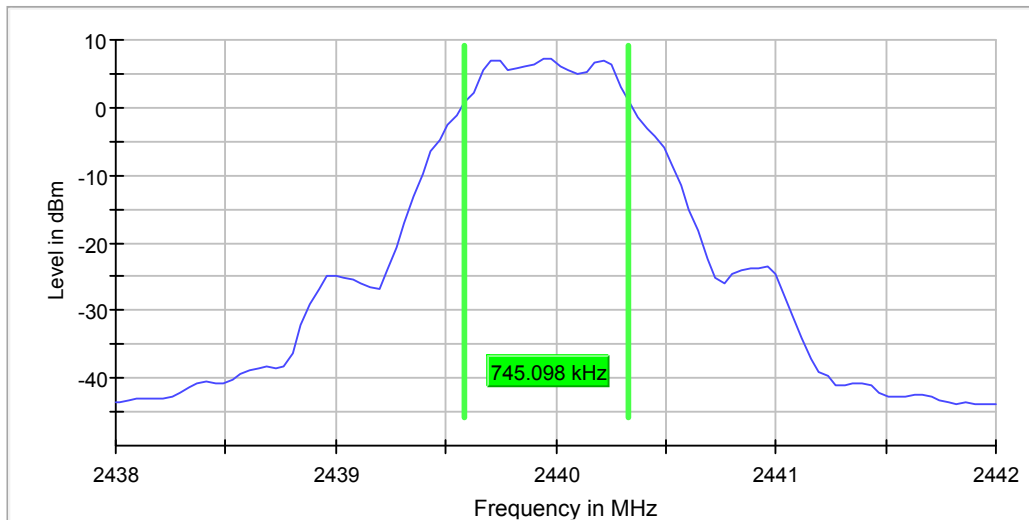
#### Minimum Emission Bandwidth 6 dB (2440 MHz; 0 (0 dBm); 2 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2440.000000         | 0.745098        | 0.500000        | ---             | 2439.588235          | 2440.333333           | 7.2             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2440.000000         | PASS   |



## Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43800 GHz      | 2.43800 GHz   |
| Stop Frequency        | 2.44200 GHz      | 2.44200 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 18.938 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 19 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.08 dB          | 0.50 dB       |

## TEST REPORT

### ANT 1 BLE

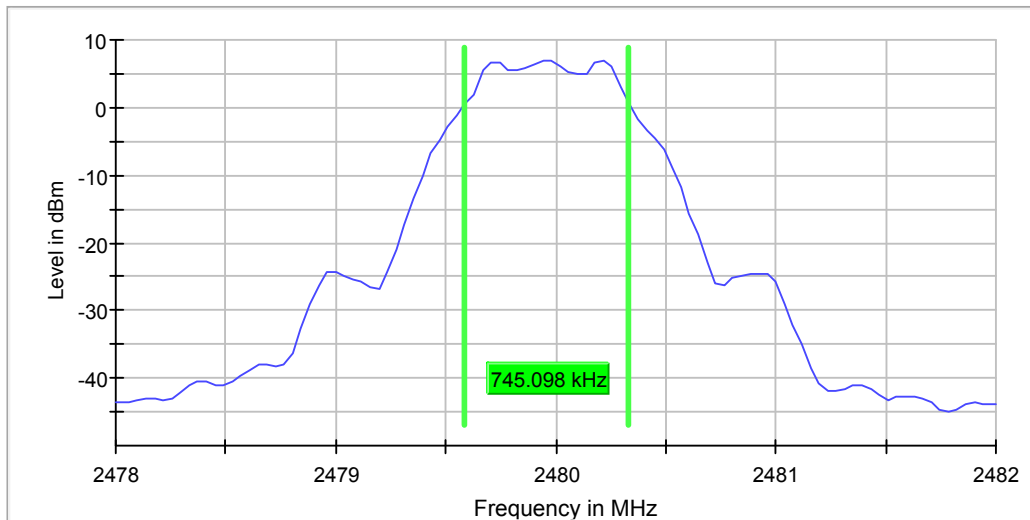
#### Minimum Emission Bandwidth 6 dB (2480 MHz; 0 (0 dBm); 2 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2480.000000         | 0.745098        | 0.500000        | ---             | 2479.588235          | 2480.333333           | 7.0             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |



## Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47800 GHz      | 2.47800 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 18.938 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 19 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 BLE

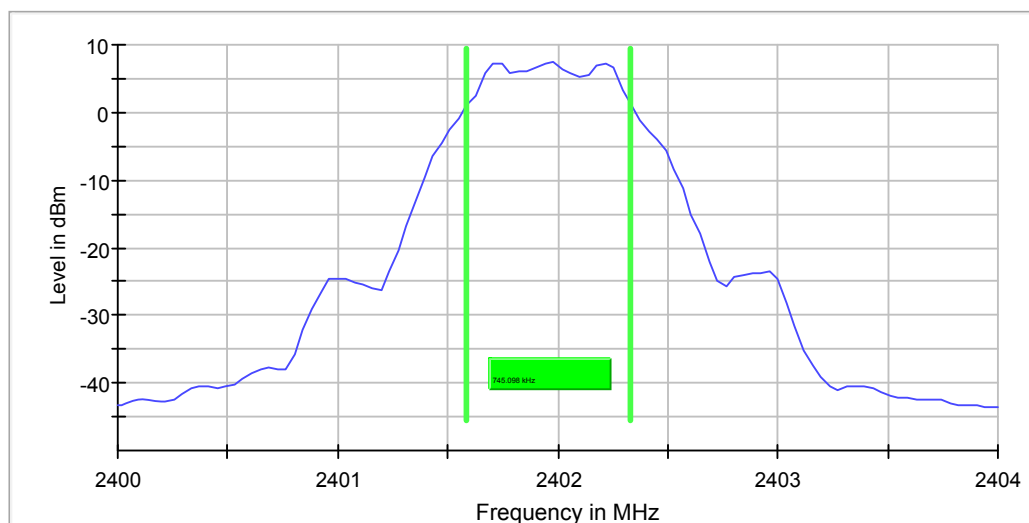
### Minimum Emission Bandwidth 6 dB (2402 MHz; 0 (0 dBm); 2 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2402.000000         | 0.745098        | 0.500000        | ---             | 2401.588235          | 2402.333333           | 7.4             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.40000 GHz      | 2.40000 GHz   |
| Stop Frequency        | 2.40400 GHz      | 2.40400 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 18.938 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamp                | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 19 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 BLE

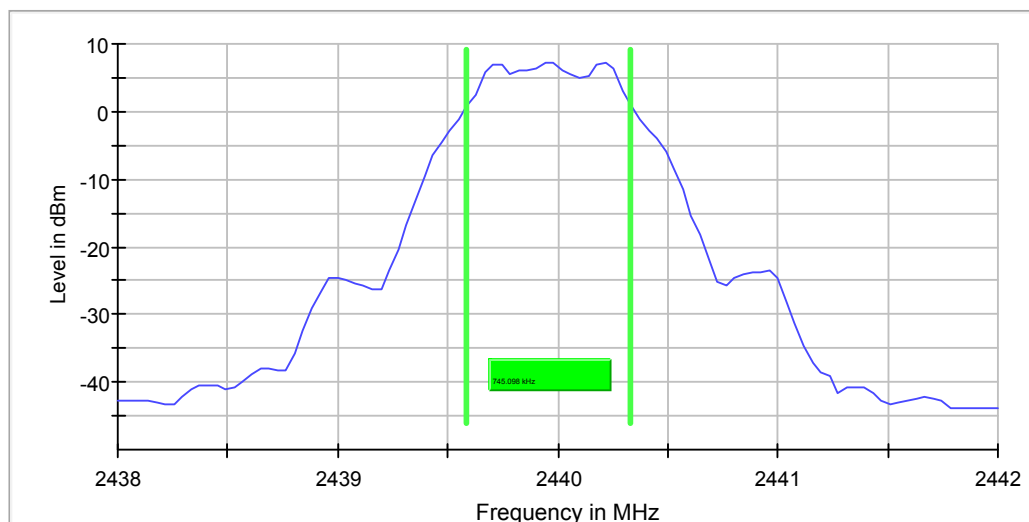
### Minimum Emission Bandwidth 6 dB (2440 MHz; 0 (0 dBm); 2 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2440.000000         | 0.745098        | 0.500000        | ---             | 2439.588235          | 2440.333333           | 7.3             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2440.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.43800 GHz      | 2.43800 GHz   |
| Stop Frequency        | 2.44200 GHz      | 2.44200 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 18.938 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 21 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.00 dB          | 0.50 dB       |

## TEST REPORT

### Ant 2 BLE

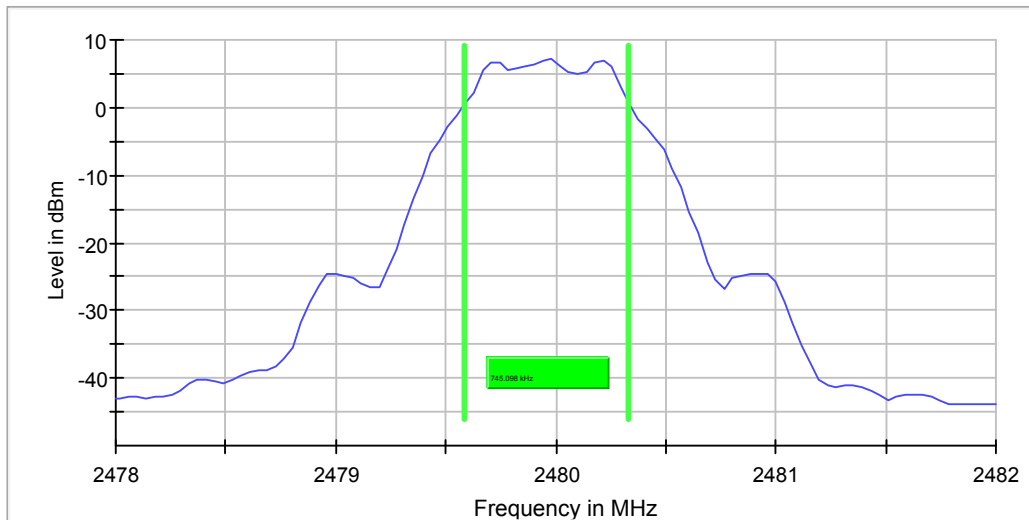
### Minimum Emission Bandwidth 6 dB (2480 MHz; 0 (0 dBm); 2 MHz)

#### 6 dB Bandwidth

| DUT Frequency (MHz) | Bandwidth (MHz) | Limit Min (MHz) | Limit Max (MHz) | Band Edge Left (MHz) | Band Edge Right (MHz) | Max Level (dBm) |
|---------------------|-----------------|-----------------|-----------------|----------------------|-----------------------|-----------------|
| 2480.000000         | 0.745098        | 0.500000        | ---             | 2479.588235          | 2480.333333           | 7.1             |

(continuation of the "6 dB Bandwidth" table from column 7 ...)

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |



#### Measurement

| Setting               | Instrument Value | Target Value  |
|-----------------------|------------------|---------------|
| Start Frequency       | 2.47800 GHz      | 2.47800 GHz   |
| Stop Frequency        | 2.48200 GHz      | 2.48200 GHz   |
| Span                  | 4.000 MHz        | 4.000 MHz     |
| RBW                   | 100.000 kHz      | ~ 100.000 kHz |
| VBW                   | 300.000 kHz      | ~ 300.000 kHz |
| SweepPoints           | 101              | ~ 40          |
| SweepTime             | 18.938 $\mu$ s   | AUTO          |
| Reference Level       | -10.000 dBm      | -10.000 dBm   |
| Attenuation           | 10.000 dB        | AUTO          |
| Detector              | MaxPeak          | MaxPeak       |
| SweepCount            | 100              | 100           |
| Filter                | 3 dB             | 3 dB          |
| Trace Mode            | Max Hold         | Max Hold      |
| SweepType             | FFT              | AUTO          |
| Preamplifier          | off              | off           |
| Stablemode            | Trace            | Trace         |
| Stablevalue           | 0.50 dB          | 0.50 dB       |
| Run                   | 18 / max. 150    | max. 150      |
| Stable                | 15 / 15          | 15            |
| Max Stable Difference | 0.05 dB          | 0.50 dB       |

## TEST REPORT

### 4.3 Maximum Power Spectral Density

Antenna output of the EUT was coupled directly to spectrum analyzer. The measurement procedure 10.2 PKPSD was used. If an external attenuator and/or cable was used, these losses are compensated for using the OFFSET function of the analyser.

#### IEEE 802.11b (DSSS, 1 Mbps) ANT 1

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2412    | 7.824               |
| Middle Channel: 2437 | 7.779               |
| High Channel: 2462   | 7.724               |

#### IEEE 802.11b (DSSS, 1 Mbps) ANT 2

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2412    | 8.218               |
| Middle Channel: 2437 | 8.279               |
| High Channel: 2462   | 8.411               |

#### IEEE 802.11b (DSSS, 1 Mbps) ANT 2

| Frequency (MHz)      | PSD in 3kHz (dBm) |
|----------------------|-------------------|
| Low Channel: 2412    | -7.436            |
| Middle Channel: 2437 | -7.344            |
| High Channel: 2462   | -7.252            |

#### IEEE 802.11g (OFDM, 6 Mbps) ANT 1

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2412    | 4.033               |
| Middle Channel: 2437 | 4.293               |
| High Channel: 2462   | 4.226               |

#### IEEE 802.11g (OFDM, 6 Mbps) ANT 2

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2412    | 4.350               |
| Middle Channel: 2437 | 4.729               |
| High Channel: 2462   | 4.139               |

**TEST REPORT**

IEEE 802.11n (20MHz) (OFDM, MCS0) ANT 1

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2412    | 3.458               |
| Middle Channel: 2437 | 3.309               |
| High Channel: 2462   | 3.238               |

IEEE 802.11n (20MHz) (OFDM, MCS0) ANT 2

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2412    | 3.741               |
| Middle Channel: 2437 | 4.420               |
| High Channel: 2462   | 3.686               |

IEEE 802.11n (40MHz) (OFDM, MCS0) ANT 1

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2422    | -0.897              |
| Middle Channel: 2437 | -0.785              |
| High Channel: 2452   | -0.769              |

IEEE 802.11n (40MHz) (OFDM, MCS0) ANT 2

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2422    | -0.568              |
| Middle Channel: 2437 | 0.308               |
| High Channel: 2452   | -0.335              |

IEEE 802.15.1 BLE (GFSK) Antenna Gain = 2 dBi ANT 1

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2402    | 8.226               |
| Middle Channel: 2440 | 8.135               |
| High Channel: 2480   | 7.889               |

IEEE 802.15.1 BLE (GFSK) Antenna Gain = 2 dBi ANT 2

| Frequency (MHz)      | PSD in 100kHz (dBm) |
|----------------------|---------------------|
| Low Channel: 2402    | 8.335               |
| Middle Channel: 2440 | 8.141               |
| High Channel: 2480   | 7.858               |

## TEST REPORT

### IEEE 802.15.1 BLE (GFSK) Antenna Gain = 2 dBi ANT 1

| Frequency (MHz)      | PSD in 3kHz (dBm) |
|----------------------|-------------------|
| Low Channel: 2402    | -6.920            |
| Middle Channel: 2440 | -7.187            |
| High Channel: 2480   | -7.323            |

### IEEE 802.15.1 BLE (GFSK) Antenna Gain = 2 dBi ANT 2

| Frequency (MHz)      | PSD in 3kHz (dBm) |
|----------------------|-------------------|
| Low Channel: 2402    | -6.926            |
| Middle Channel: 2440 | -7.236            |
| High Channel: 2480   | -7.366            |

Cable Loss: 0.5 dB

Limit:  
8dBm

The plots of power spectral density are as below.



## TEST REPORT

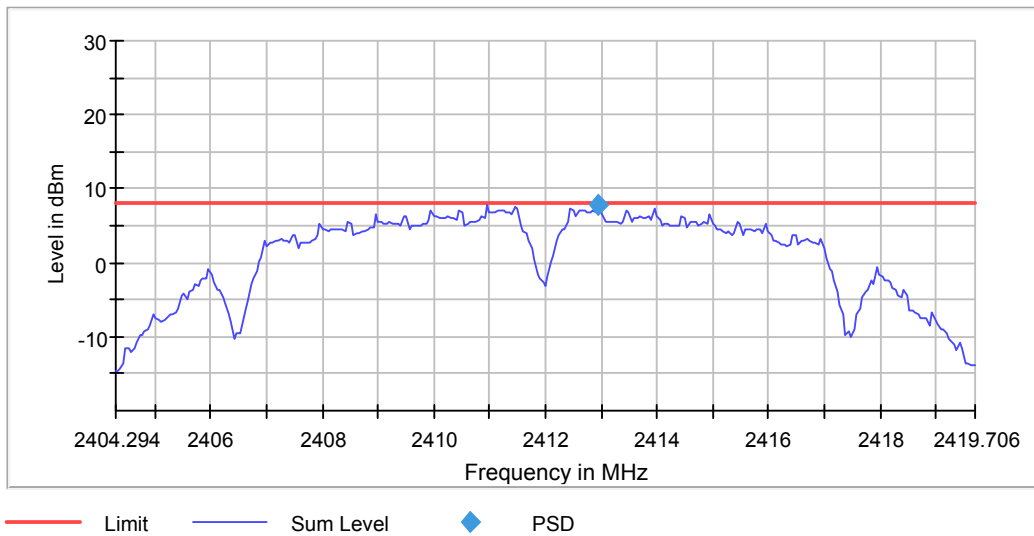
### PLOTS OF POWER SPECTRAL DENSITY

#### ANT 1 B mode

#### Power Spectral Density (2412 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2412.947602     | 7.824     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.40429 GHz      | 2.40429 GHz    |
| Stop Frequency  | 2.41971 GHz      | 2.41971 GHz    |
| Span            | 15.411 MHz       | 15.411 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 308              | ~ 308          |
| SweepTime       | 309.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

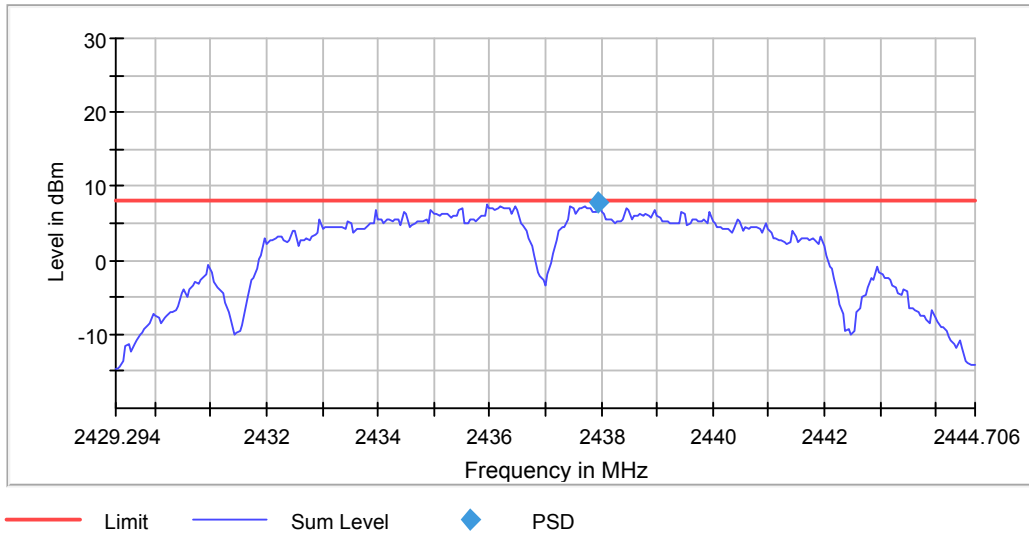
## TEST REPORT

### ANT 1 B mode

### Power Spectral Density (2437 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2437.947602     | 7.779     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.42929 GHz      | 2.42929 GHz    |
| Stop Frequency  | 2.44471 GHz      | 2.44471 GHz    |
| Span            | 15.411 MHz       | 15.411 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 308              | ~ 308          |
| SweepTime       | 309.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

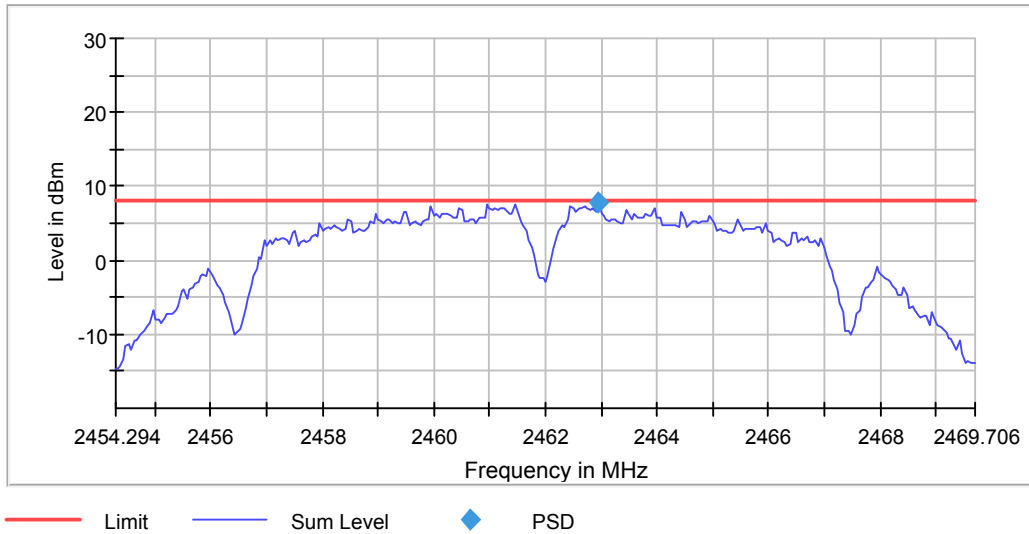
## TEST REPORT

### ANT 1 B mode

### Power Spectral Density (2462 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2462.000000         | 2462.947602     | 7.724     | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.45429 GHz      | 2.45429 GHz    |
| Stop Frequency  | 2.46971 GHz      | 2.46971 GHz    |
| Span            | 15.411 MHz       | 15.411 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 308              | ~ 308          |
| SweepTime       | 309.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

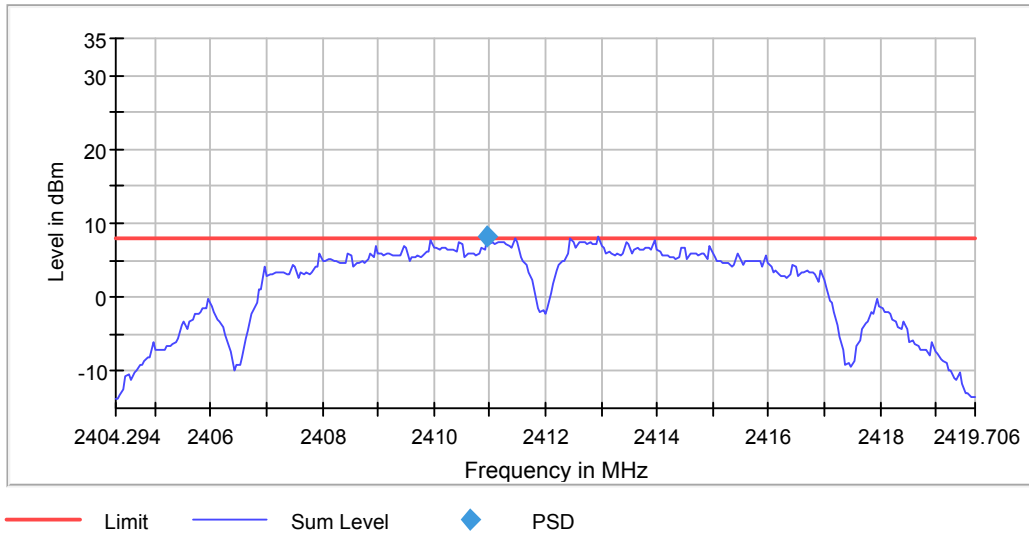
## TEST REPORT

### Ant 2 B mode

### Power Spectral Density (2412 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2410.952650     | 8.218     | 8.0             | FAIL   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.40429 GHz      | 2.40429 GHz    |
| Stop Frequency  | 2.41971 GHz      | 2.41971 GHz    |
| Span            | 15.411 MHz       | 15.411 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 308              | ~ 308          |
| SweepTime       | 309.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

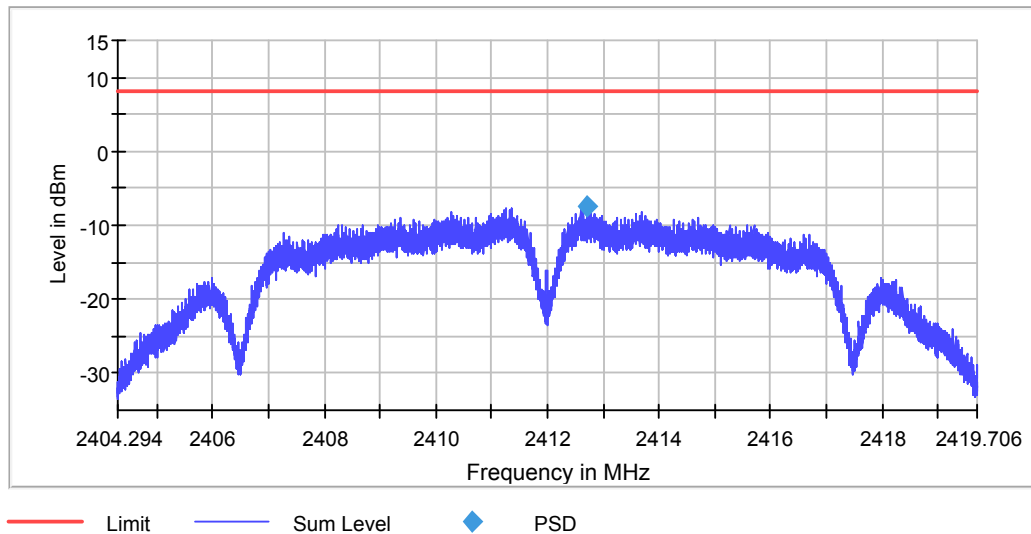
## TEST REPORT

### Ant 2 B mode

### Power Spectral Density (2412 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2412.701932     | -7.436    | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 2.40429 GHz      | 2.40429 GHz  |
| Stop Frequency  | 2.41971 GHz      | 2.41971 GHz  |
| Span            | 15.411 MHz       | 15.411 MHz   |
| RBW             | 3.000 kHz        | ~ 3.000 kHz  |
| VBW             | 10.000 kHz       | >= 9.000 kHz |
| SweepPoints     | 10274            | ~ 10274      |
| SweepTime       | 343.000 s        | AUTO         |
| Reference Level | -10.000 dBm      | -10.000 dBm  |
| Attenuation     | 10.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 1                | 1            |
| Filter          | Channel          | Channel      |
| Trace Mode      | Max Hold         | Max Hold     |
| SweepType       | Sweep            | Sweep        |
| Preamp          | off              | off          |

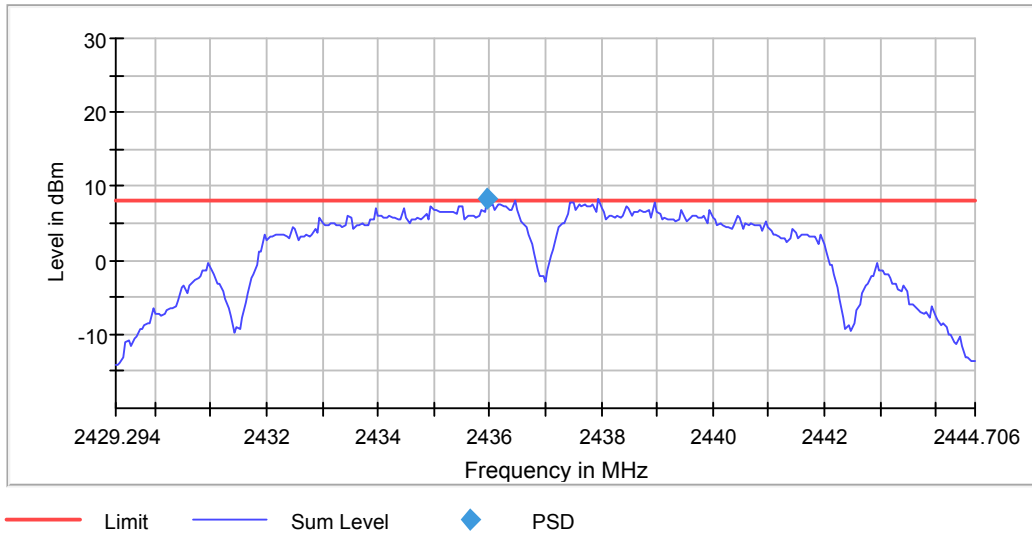
## TEST REPORT

### Ant 2 B mode

### Power Spectral Density (2437 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2435.952650     | 8.279     | 8.0             | FAIL   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.42929 GHz      | 2.42929 GHz    |
| Stop Frequency  | 2.44471 GHz      | 2.44471 GHz    |
| Span            | 15.411 MHz       | 15.411 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 308              | ~ 308          |
| SweepTime       | 309.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

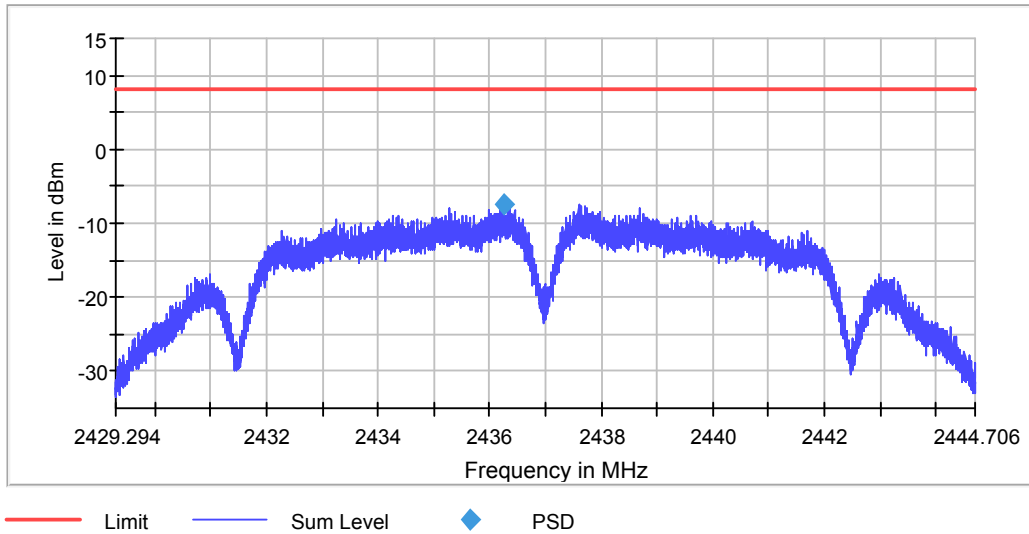
## TEST REPORT

### Ant 2 B mode

### Power Spectral Density (2437 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2436.262072     | -7.344    | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 2.42929 GHz      | 2.42929 GHz  |
| Stop Frequency  | 2.44471 GHz      | 2.44471 GHz  |
| Span            | 15.411 MHz       | 15.411 MHz   |
| RBW             | 3.000 kHz        | ~ 3.000 kHz  |
| VBW             | 10.000 kHz       | >= 9.000 kHz |
| SweepPoints     | 10274            | ~ 10274      |
| SweepTime       | 343.000 s        | AUTO         |
| Reference Level | -10.000 dBm      | -10.000 dBm  |
| Attenuation     | 10.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 1                | 1            |
| Filter          | Channel          | Channel      |
| Trace Mode      | Max Hold         | Max Hold     |
| SweepType       | Sweep            | Sweep        |
| Preamp          | off              | off          |

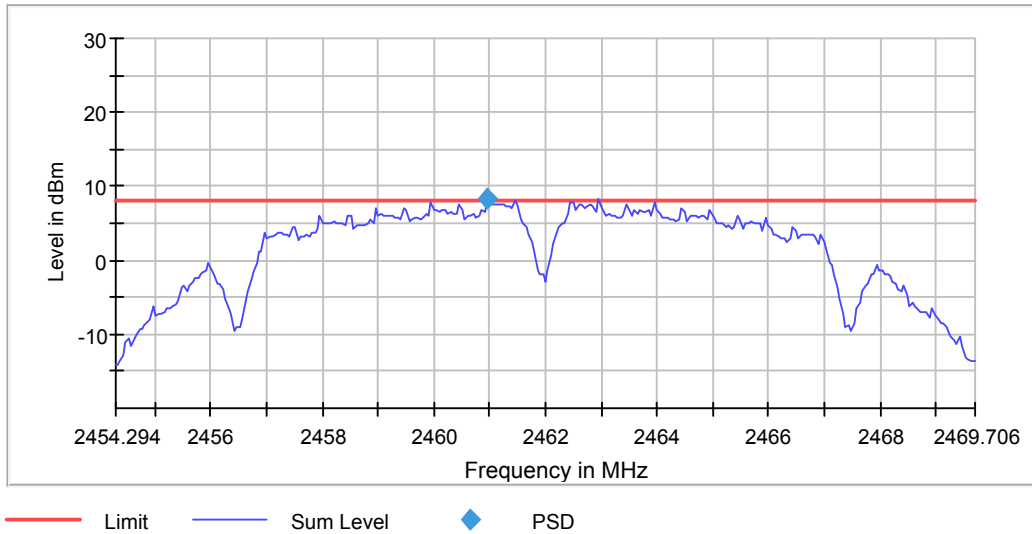
## TEST REPORT

### Ant 2 B mode

### Power Spectral Density (2462 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2462.000000         | 2460.952650     | 8.411     | 8.0             | FAIL   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.45429 GHz      | 2.45429 GHz    |
| Stop Frequency  | 2.46971 GHz      | 2.46971 GHz    |
| Span            | 15.411 MHz       | 15.411 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 308              | ~ 308          |
| SweepTime       | 309.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |



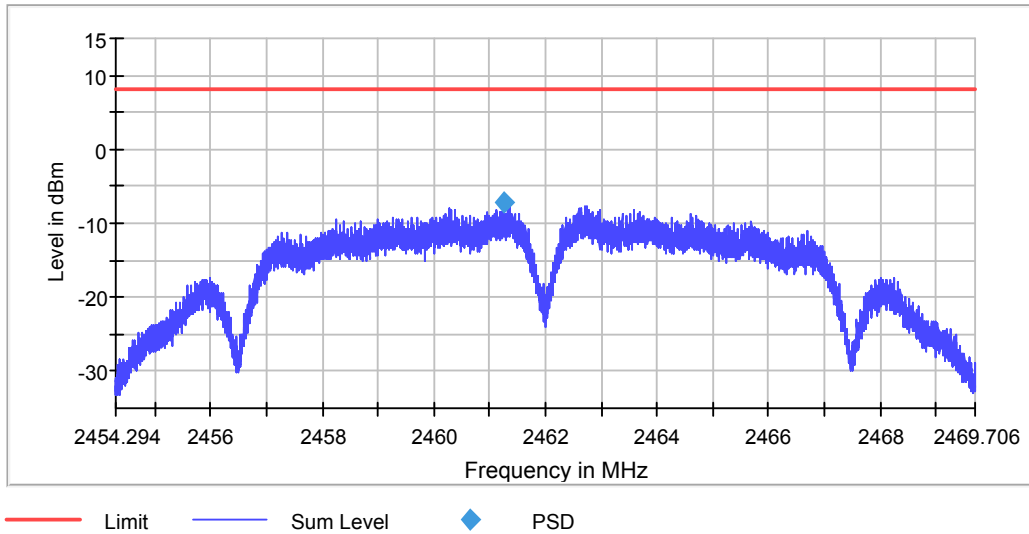
## TEST REPORT

### Ant 2 B mode

### Power Spectral Density (2462 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2462.000000         | 2461.260572     | -7.252    | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 2.45429 GHz      | 2.45429 GHz  |
| Stop Frequency  | 2.46971 GHz      | 2.46971 GHz  |
| Span            | 15.411 MHz       | 15.411 MHz   |
| RBW             | 3.000 kHz        | ~ 3.000 kHz  |
| VBW             | 10.000 kHz       | >= 9.000 kHz |
| SweepPoints     | 10274            | ~ 10274      |
| SweepTime       | 343.000 s        | AUTO         |
| Reference Level | -10.000 dBm      | -10.000 dBm  |
| Attenuation     | 10.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 1                | 1            |
| Filter          | Channel          | Channel      |
| Trace Mode      | Max Hold         | Max Hold     |
| SweepType       | Sweep            | Sweep        |
| Preamp          | off              | off          |

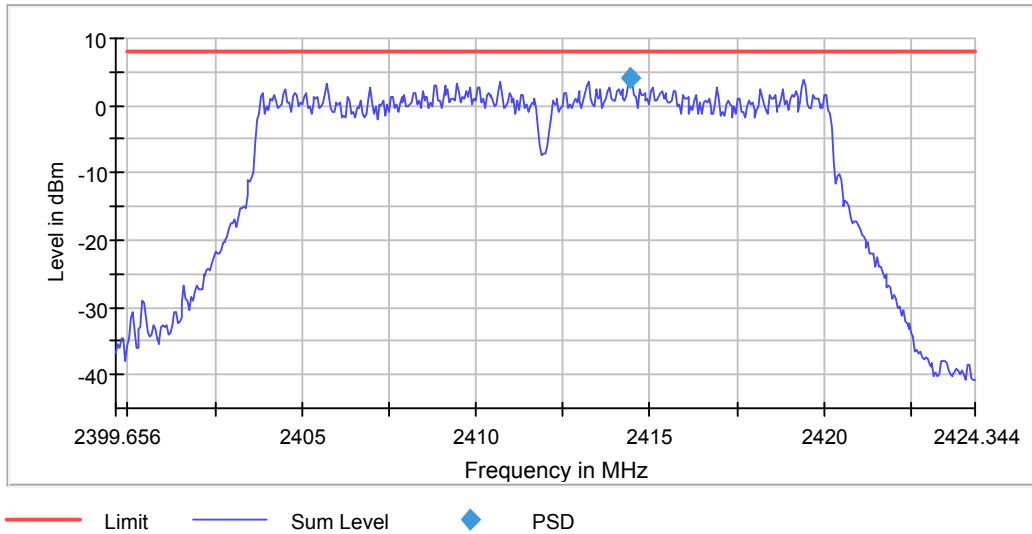
## TEST REPORT

### ANT 1 G mode

### Power Spectral Density (2412 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2414.443912     | 4.033     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.39966 GHz      | 2.39966 GHz    |
| Stop Frequency  | 2.42434 GHz      | 2.42434 GHz    |
| Span            | 24.689 MHz       | 24.689 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 494              | ~ 494          |
| SweepTime       | 494.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamplifier    | off              | off            |

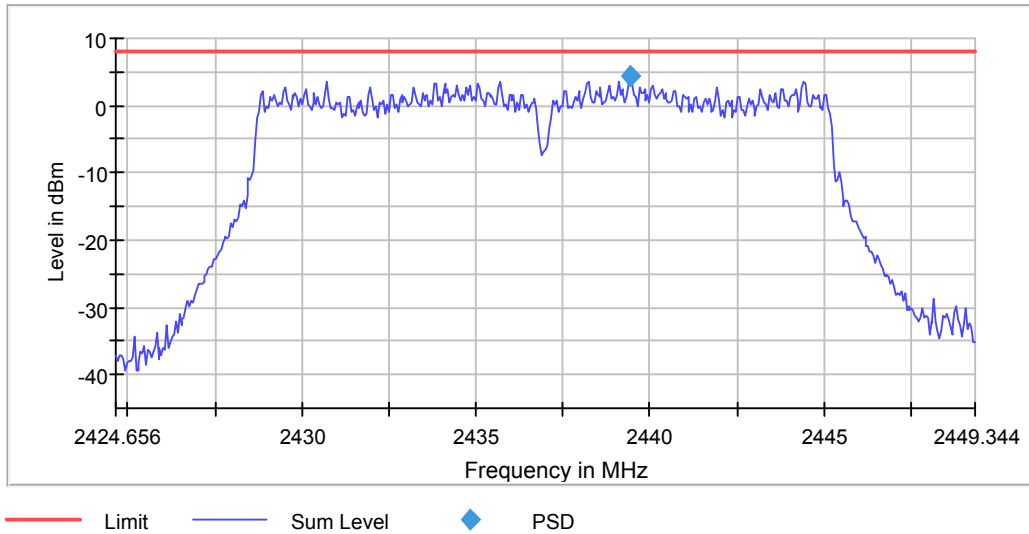
## TEST REPORT

### ANT 1 G mode

### Power Spectral Density (2437 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2439.443912     | 4.293     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.42466 GHz      | 2.42466 GHz    |
| Stop Frequency  | 2.44934 GHz      | 2.44934 GHz    |
| Span            | 24.689 MHz       | 24.689 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 494              | ~ 494          |
| SweepTime       | 494.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

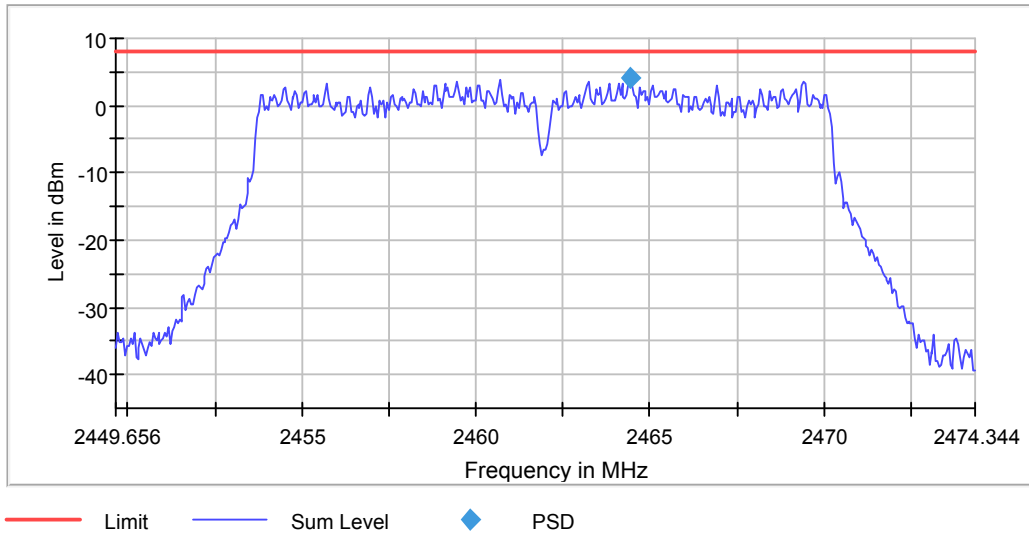
## TEST REPORT

### ANT 1 G mode

### Power Spectral Density (2462 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2462.000000         | 2464.443912     | 4.226     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.44966 GHz      | 2.44966 GHz    |
| Stop Frequency  | 2.47434 GHz      | 2.47434 GHz    |
| Span            | 24.689 MHz       | 24.689 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 494              | ~ 494          |
| SweepTime       | 494.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

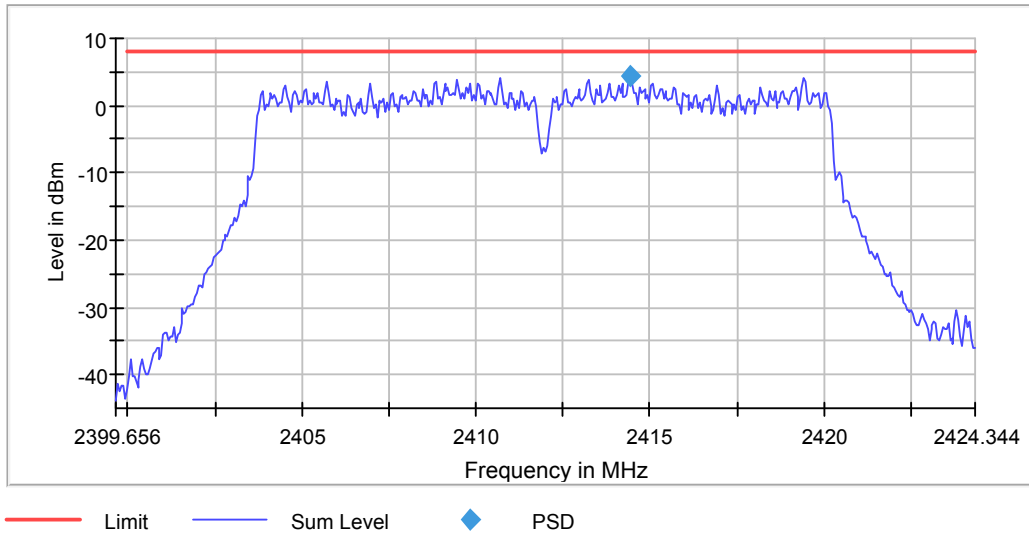
## TEST REPORT

### Ant 2 G mode

### Power Spectral Density (2412 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2414.443912     | 4.350     | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.39966 GHz      | 2.39966 GHz    |
| Stop Frequency  | 2.42434 GHz      | 2.42434 GHz    |
| Span            | 24.689 MHz       | 24.689 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 494              | ~ 494          |
| SweepTime       | 494.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

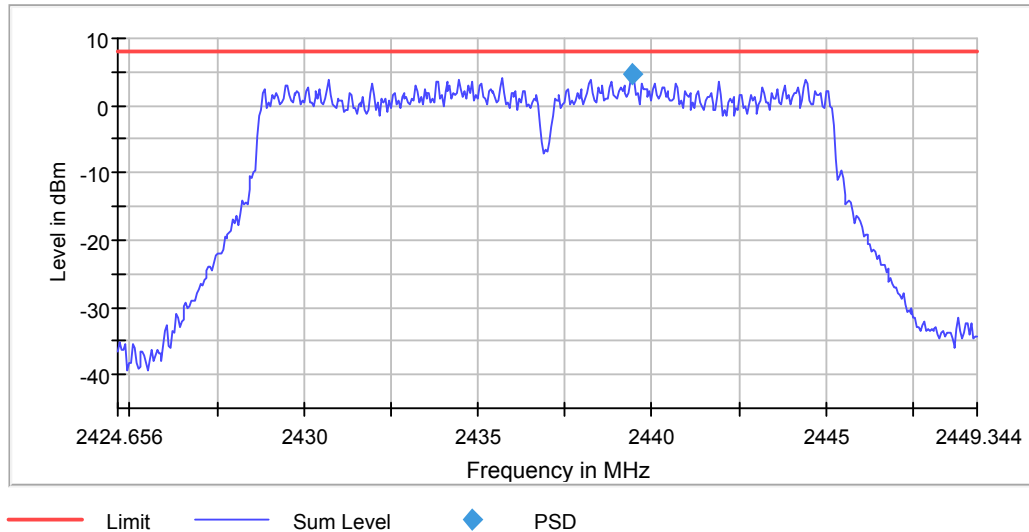
## TEST REPORT

### Ant 2 G mode

### Power Spectral Density (2437 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2439.443912     | 4.729     | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.42466 GHz      | 2.42466 GHz    |
| Stop Frequency  | 2.44934 GHz      | 2.44934 GHz    |
| Span            | 24.689 MHz       | 24.689 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 494              | ~ 494          |
| SweepTime       | 494.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamplifier    | off              | off            |

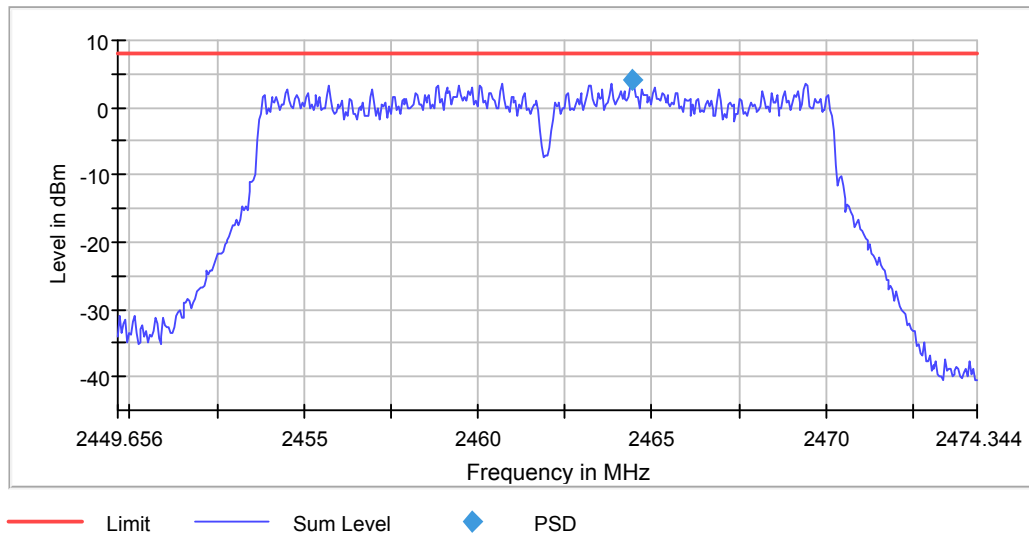
## TEST REPORT

### Ant 2 G mode

### Power Spectral Density (2462 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2462.000000         | 2464.443912     | 4.139     | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.44966 GHz      | 2.44966 GHz    |
| Stop Frequency  | 2.47434 GHz      | 2.47434 GHz    |
| Span            | 24.689 MHz       | 24.689 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 494              | ~ 494          |
| SweepTime       | 494.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

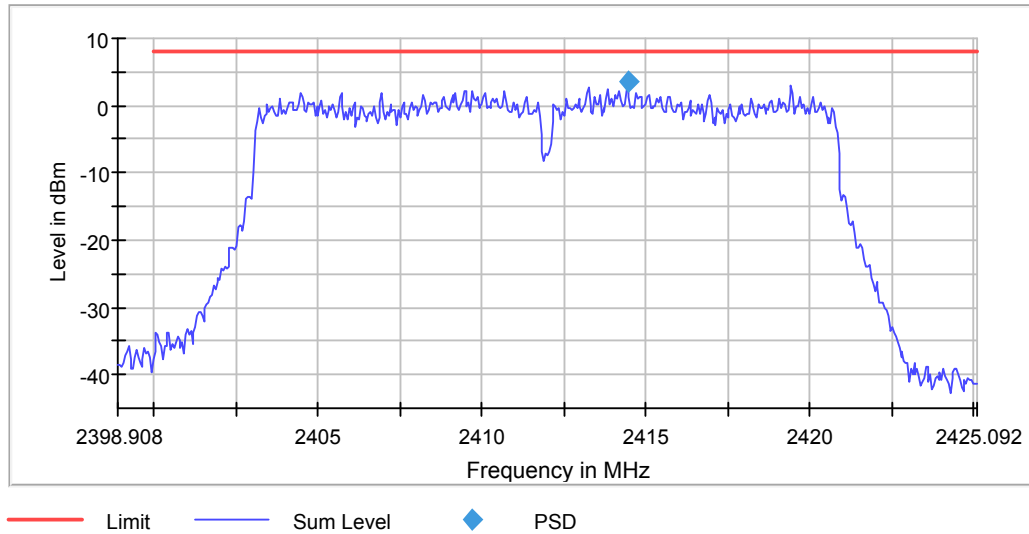
## TEST REPORT

### ANT 1 NHT20

#### Power Spectral Density (2412 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2414.443840     | 3.458     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.39891 GHz      | 2.39891 GHz    |
| Stop Frequency  | 2.42509 GHz      | 2.42509 GHz    |
| Span            | 26.184 MHz       | 26.184 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 524              | ~ 524          |
| SweepTime       | 524.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |



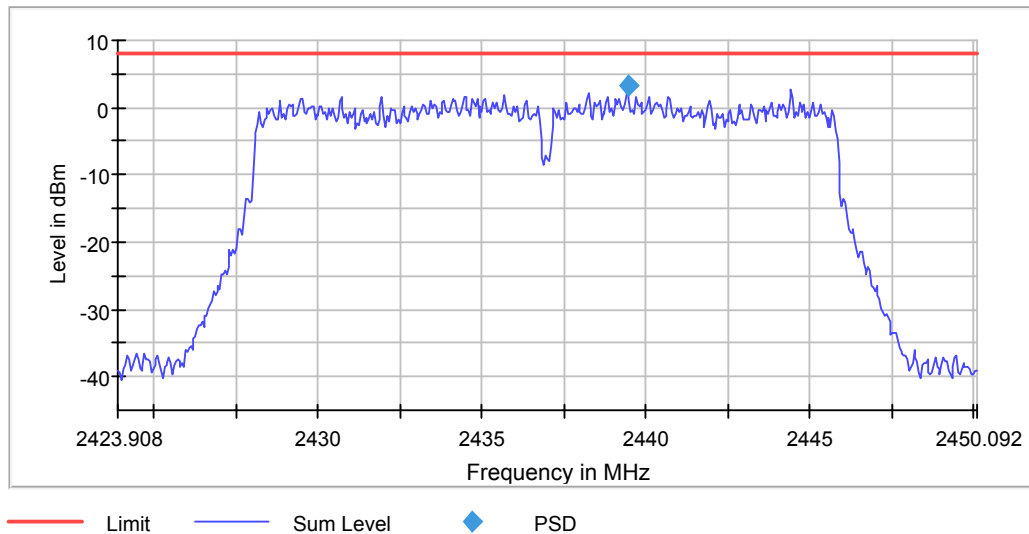
## TEST REPORT

### ANT 1 NHT20

#### Power Spectral Density (2437 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2439.443840     | 3.309     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.42391 GHz      | 2.42391 GHz    |
| Stop Frequency  | 2.45009 GHz      | 2.45009 GHz    |
| Span            | 26.184 MHz       | 26.184 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 524              | ~ 524          |
| SweepTime       | 524.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

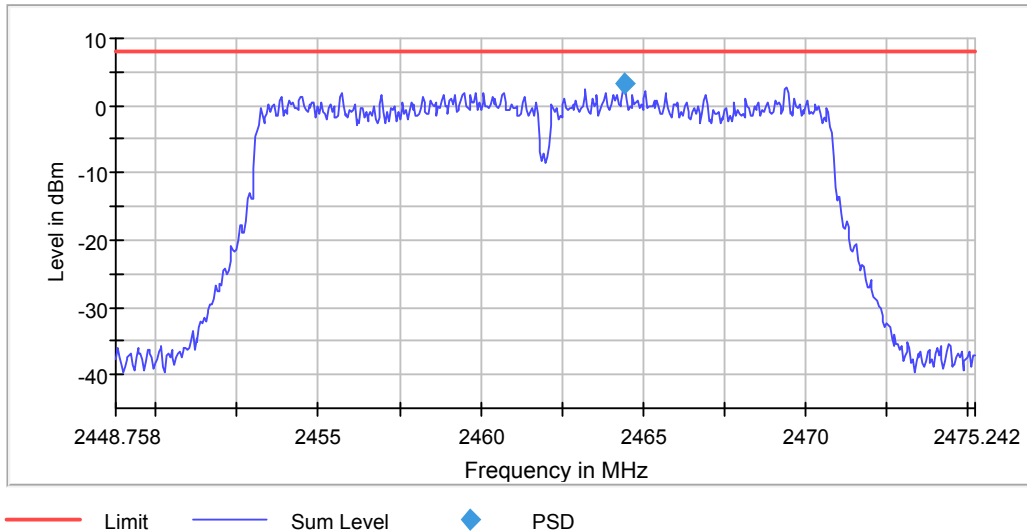
## TEST REPORT

### ANT 1 NHT20

#### Power Spectral Density (2462 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2462.000000         | 2464.443910     | 3.238     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.44876 GHz      | 2.44876 GHz    |
| Stop Frequency  | 2.47524 GHz      | 2.47524 GHz    |
| Span            | 26.484 MHz       | 26.484 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 530              | ~ 530          |
| SweepTime       | 530.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamplifier    | off              | off            |

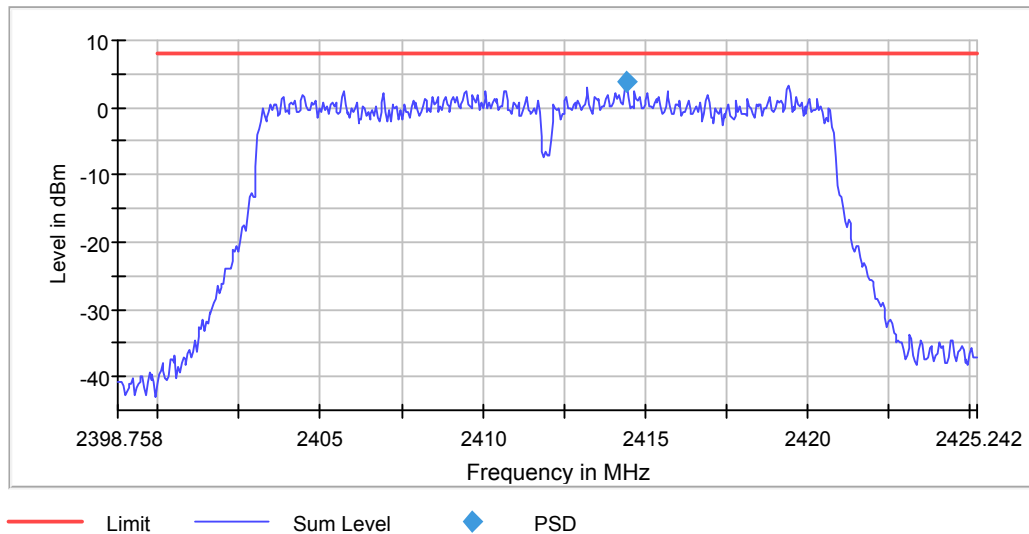
## TEST REPORT

### Ant 2 NHT 20

### Power Spectral Density (2412 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2412.000000         | 2414.443910     | 3.741     | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.39876 GHz      | 2.39876 GHz    |
| Stop Frequency  | 2.42524 GHz      | 2.42524 GHz    |
| Span            | 26.484 MHz       | 26.484 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 530              | ~ 530          |
| SweepTime       | 530.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamplifier    | off              | off            |

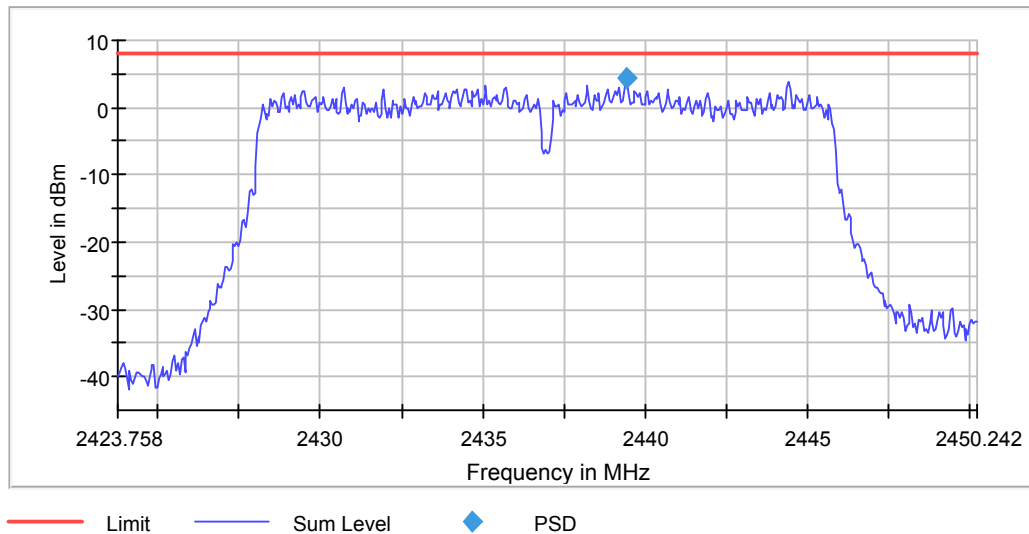
## TEST REPORT

### Ant 2 NHT 20

### Power Spectral Density (2437 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2439.443910     | 4.420     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.42376 GHz      | 2.42376 GHz    |
| Stop Frequency  | 2.45024 GHz      | 2.45024 GHz    |
| Span            | 26.484 MHz       | 26.484 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 530              | ~ 530          |
| SweepTime       | 530.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamplifier    | off              | off            |

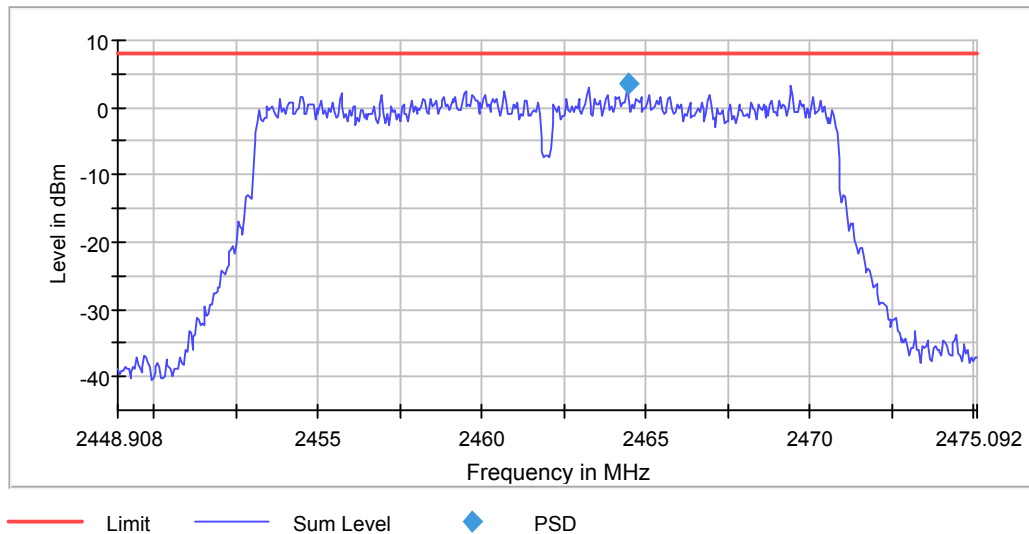
## TEST REPORT

### Ant 2 NHT 20

### Power Spectral Density (2462 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2462.000000         | 2464.443840     | 3.686     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.44891 GHz      | 2.44891 GHz    |
| Stop Frequency  | 2.47509 GHz      | 2.47509 GHz    |
| Span            | 26.184 MHz       | 26.184 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 524              | ~ 524          |
| SweepTime       | 524.000 ms       | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

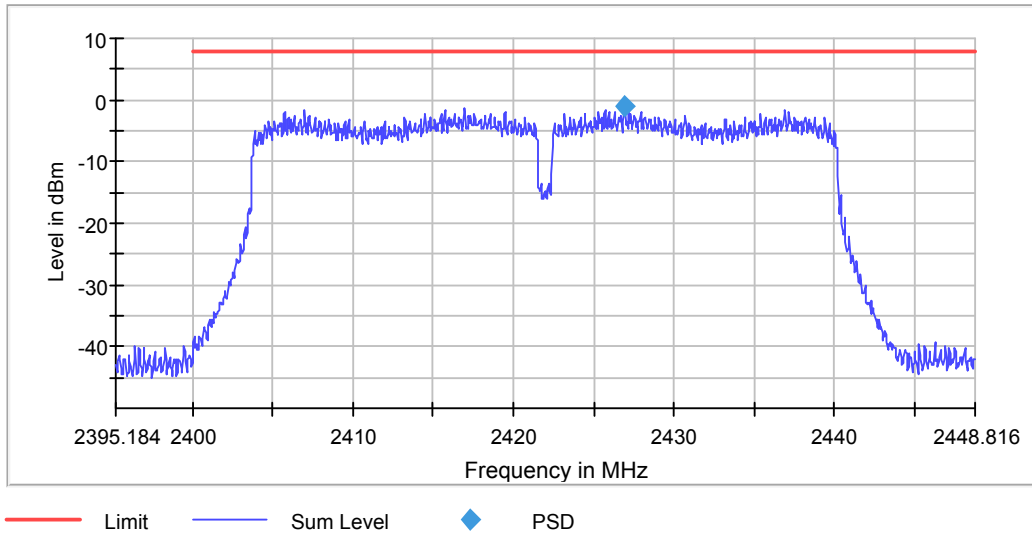
## TEST REPORT

### ANT 1 NCT40

#### Power Spectral Density (2422 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2422.000000         | 2426.968747     | -0.897    | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.39518 GHz      | 2.39518 GHz    |
| Stop Frequency  | 2.44882 GHz      | 2.44882 GHz    |
| Span            | 53.633 MHz       | 53.633 MHz     |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 1073             | ~ 1073         |
| SweepTime       | 1.080 s          | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

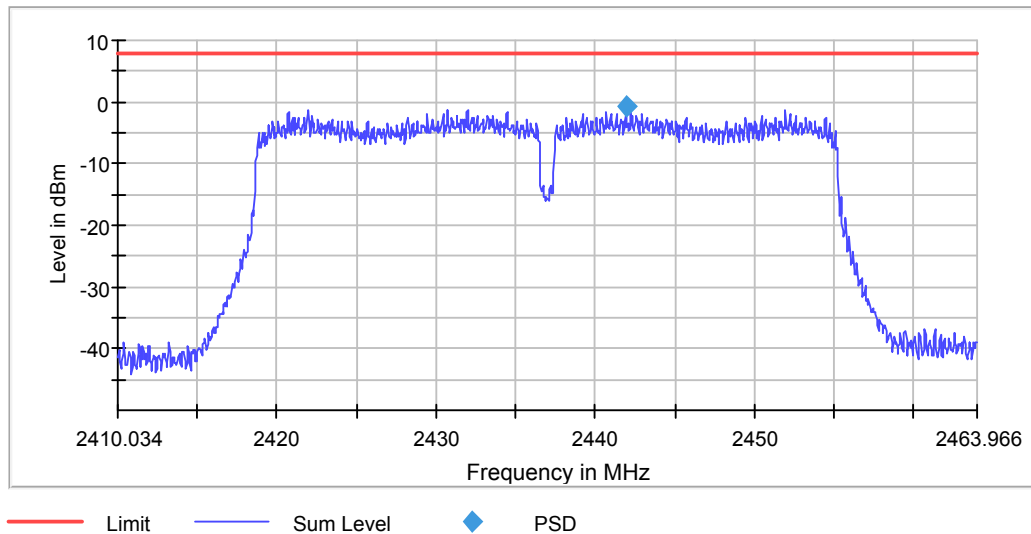
## TEST REPORT

### ANT 1 NCT40

### Power Spectral Density (2437 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2441.968781     | -0.785    | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.41003 GHz      | 2.41003 GHz    |
| Stop Frequency  | 2.46397 GHz      | 2.46397 GHz    |
| Span            | 53.933 MHz       | 53.933 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 1079             | ~ 1079         |
| SweepTime       | 1.080 s          | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

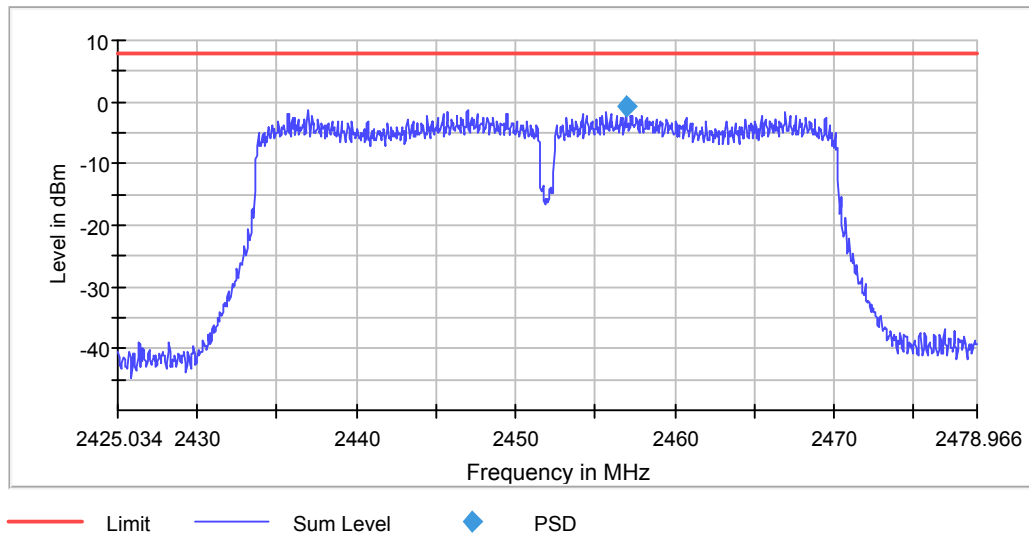
## TEST REPORT

### ANT 1 NCT40

#### Power Spectral Density (2452 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2452.000000         | 2456.968781     | -0.769    | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.42503 GHz      | 2.42503 GHz    |
| Stop Frequency  | 2.47897 GHz      | 2.47897 GHz    |
| Span            | 53.933 MHz       | 53.933 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 1079             | ~ 1079         |
| SweepTime       | 1.080 s          | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |



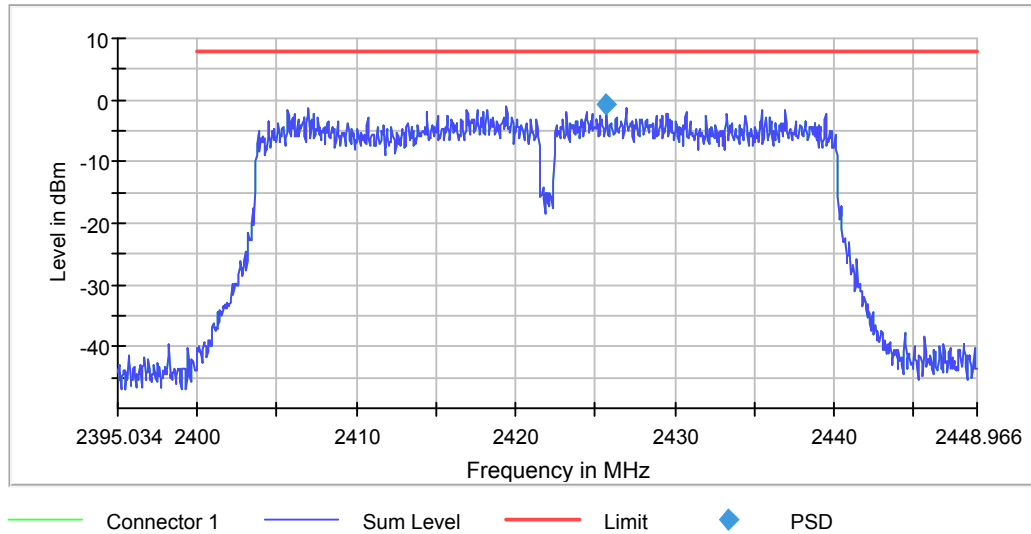
## TEST REPORT

### Ant 2 NHT 40

### Power Spectral Density (2422 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2422.000000         | 2425.720344     | -0.568    | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.39503 GHz      | 2.39503 GHz    |
| Stop Frequency  | 2.44897 GHz      | 2.44897 GHz    |
| Span            | 53.933 MHz       | 53.933 MHz     |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 1079             | ~ 1079         |
| SweepTime       | 1.080 s          | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 1                | 1              |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamplifier    | off              | off            |

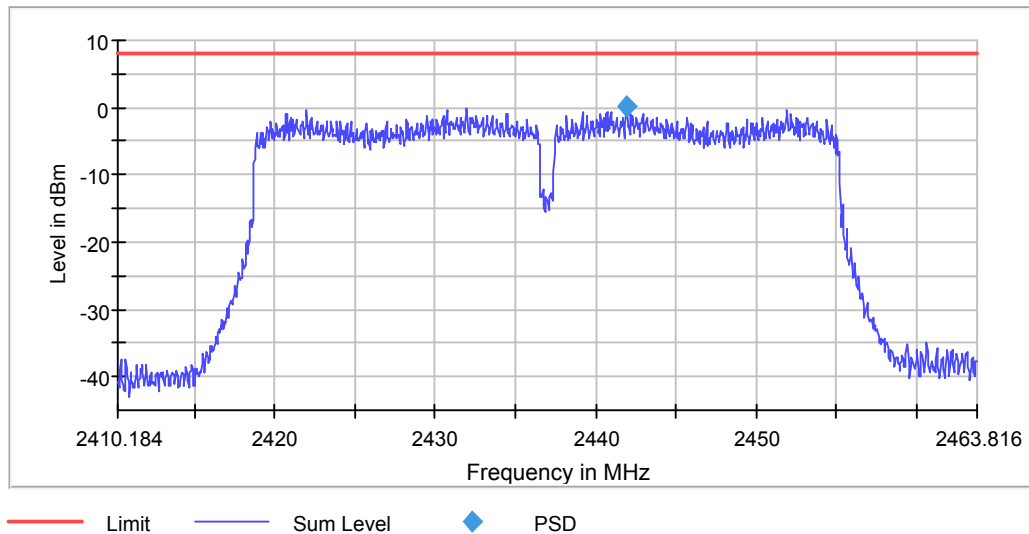
## TEST REPORT

### Ant 2 NHT 40

### Power Spectral Density (2437 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2437.000000         | 2441.968747     | 0.308     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.41018 GHz      | 2.41018 GHz    |
| Stop Frequency  | 2.46382 GHz      | 2.46382 GHz    |
| Span            | 53.633 MHz       | 53.633 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 1073             | ~ 1073         |
| SweepTime       | 1.080 s          | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

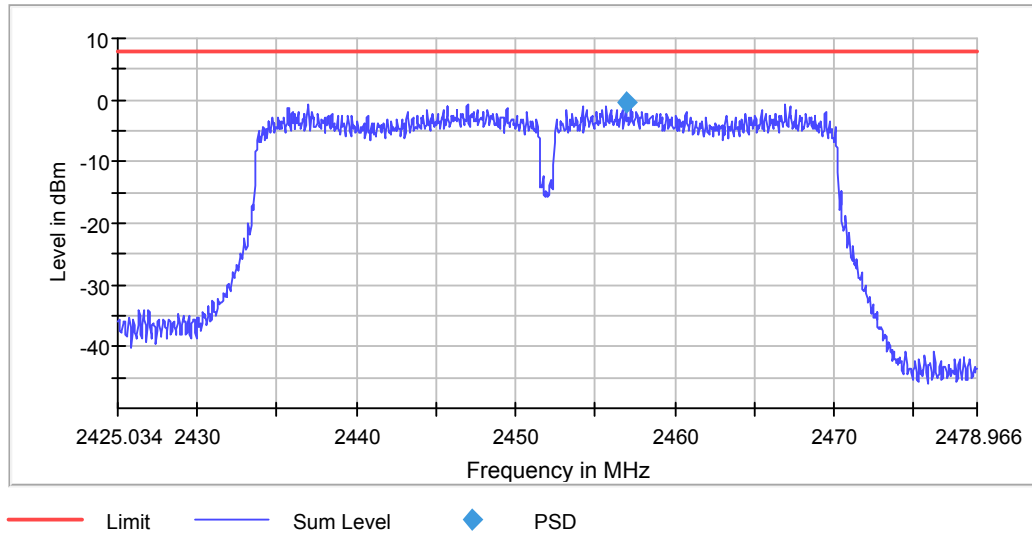
## TEST REPORT

### Ant 2 NHT 40

### Power Spectral Density (2452 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2452.000000         | 2456.968781     | -0.335    | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.42503 GHz      | 2.42503 GHz    |
| Stop Frequency  | 2.47897 GHz      | 2.47897 GHz    |
| Span            | 53.933 MHz       | 53.933 MHz     |
| RBW             | 100.000 kHz      | ~ 100.000 kHz  |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 1079             | ~ 1079         |
| SweepTime       | 1.080 s          | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 100              | 100            |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | Sweep          |
| Preamp          | off              | off            |

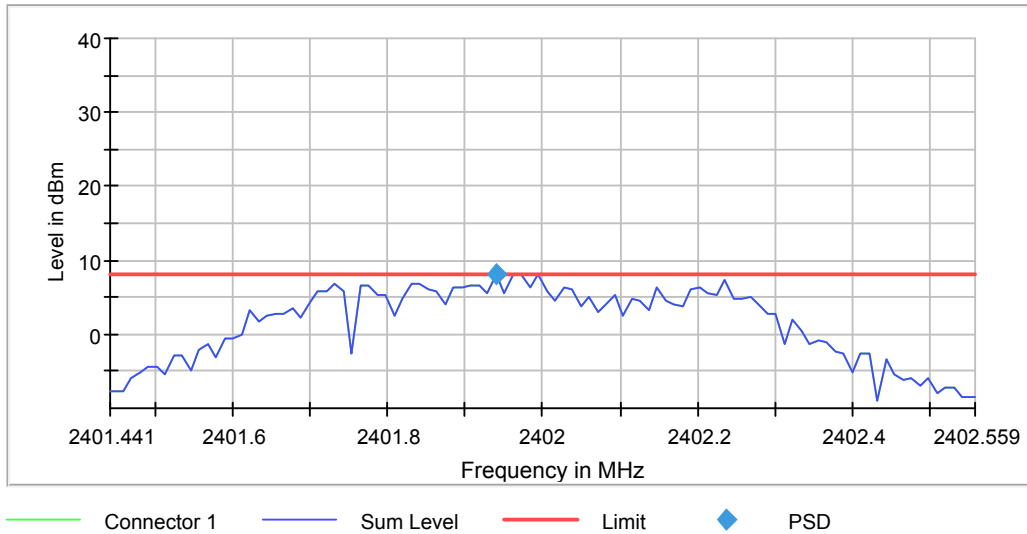
## TEST REPORT

### ANT 1 BLE

### Power Spectral Density (2402 MHz; 0 (0 dBm); 2 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2402.000000         | 2401.939743     | 8.226     | 8.0             | FAIL   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.40144 GHz      | 2.40144 GHz    |
| Stop Frequency  | 2.40256 GHz      | 2.40256 GHz    |
| Span            | 1.118 MHz        | 1.118 MHz      |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 101              | ~ 22           |
| SweepTime       | 22.400 ms        | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 10               | 10             |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamp          | off              | off            |

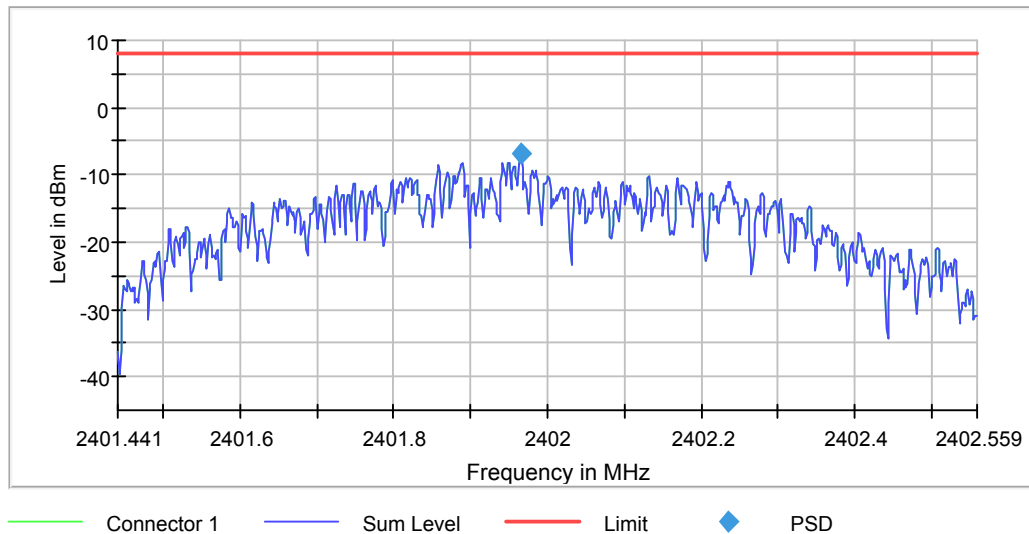
## TEST REPORT

### ANT 1 BLE

### Power Spectral Density (2402 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2402.000000         | 2401.966295     | -6.920    | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 2.40144 GHz      | 2.40144 GHz  |
| Stop Frequency  | 2.40256 GHz      | 2.40256 GHz  |
| Span            | 1.118 MHz        | 1.118 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz |
| VBW             | 10.000 kHz       | >= 9.000 kHz |
| SweepPoints     | 745              | ~ 745        |
| SweepTime       | 24.900 s         | AUTO         |
| Reference Level | -10.000 dBm      | -10.000 dBm  |
| Attenuation     | 10.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 10               | 10           |
| Filter          | Channel          | Channel      |
| Trace Mode      | Max Hold         | Max Hold     |
| SweepType       | Sweep            | AUTO         |
| Preamplifier    | off              | off          |

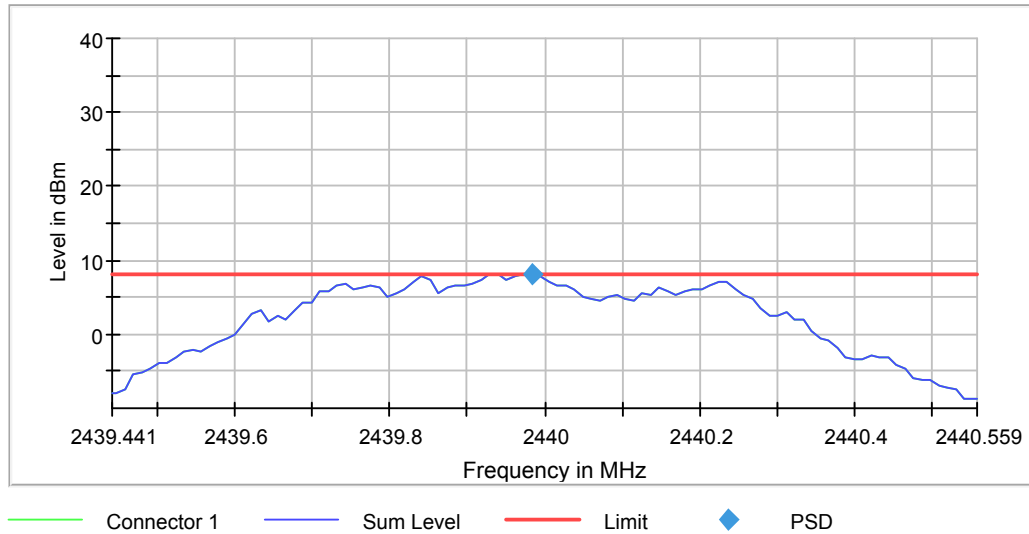
## TEST REPORT

### ANT 1 BLE

### Power Spectral Density (2440 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2440.000000         | 2439.983566     | 8.135     | 8.0             | FAIL   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.43944 GHz      | 2.43944 GHz    |
| Stop Frequency  | 2.44056 GHz      | 2.44056 GHz    |
| Span            | 1.118 MHz        | 1.118 MHz      |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 101              | ~ 22           |
| SweepTime       | 22.400 ms        | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 10               | 10             |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamplifier    | off              | off            |

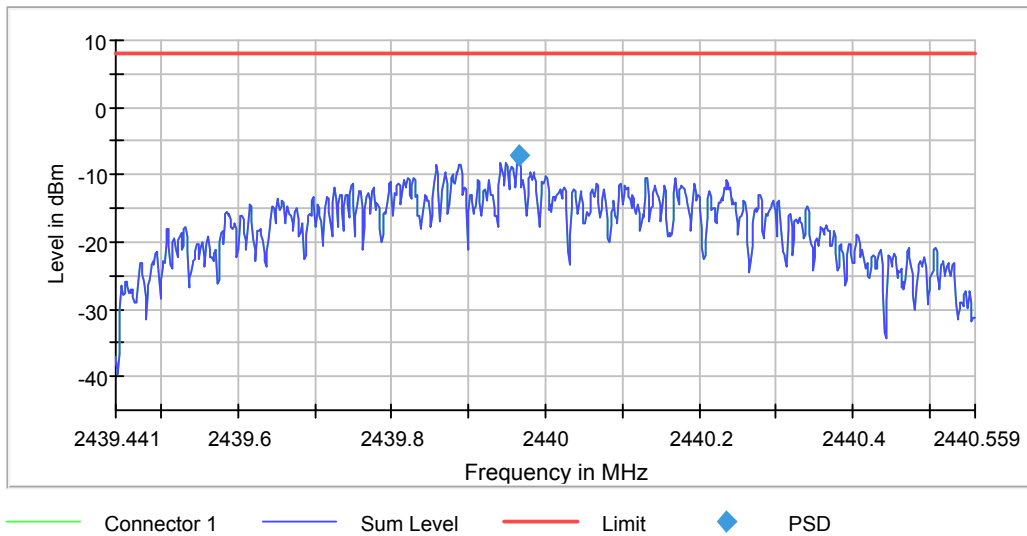
## TEST REPORT

### ANT 1 BLE

### Power Spectral Density (2440 MHz; 0 (0 dBm); 2 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2440.000000         | 2439.966295     | -7.187    | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 2.43944 GHz      | 2.43944 GHz  |
| Stop Frequency  | 2.44056 GHz      | 2.44056 GHz  |
| Span            | 1.118 MHz        | 1.118 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz |
| VBW             | 10.000 kHz       | >= 9.000 kHz |
| SweepPoints     | 745              | ~ 745        |
| SweepTime       | 24.900 s         | AUTO         |
| Reference Level | -10.000 dBm      | -10.000 dBm  |
| Attenuation     | 10.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 10               | 10           |
| Filter          | Channel          | Channel      |
| Trace Mode      | Max Hold         | Max Hold     |
| SweepType       | Sweep            | AUTO         |
| Preamp          | off              | off          |

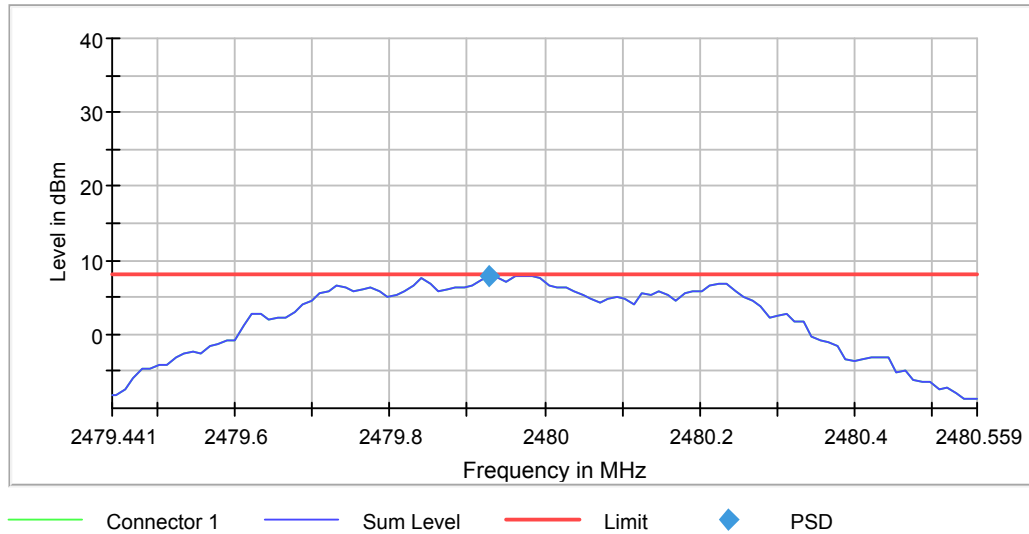
## TEST REPORT

### ANT 1 BLE

### Power Spectral Density (2480 MHz; 0 (0 dBm); 2 MHz)

#### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2480.000000         | 2479.928787     | 7.889     | 8.0             | PASS   |



#### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.47944 GHz      | 2.47944 GHz    |
| Stop Frequency  | 2.48056 GHz      | 2.48056 GHz    |
| Span            | 1.118 MHz        | 1.118 MHz      |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 101              | ~ 22           |
| SweepTime       | 22.400 ms        | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 10               | 10             |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamp          | off              | off            |



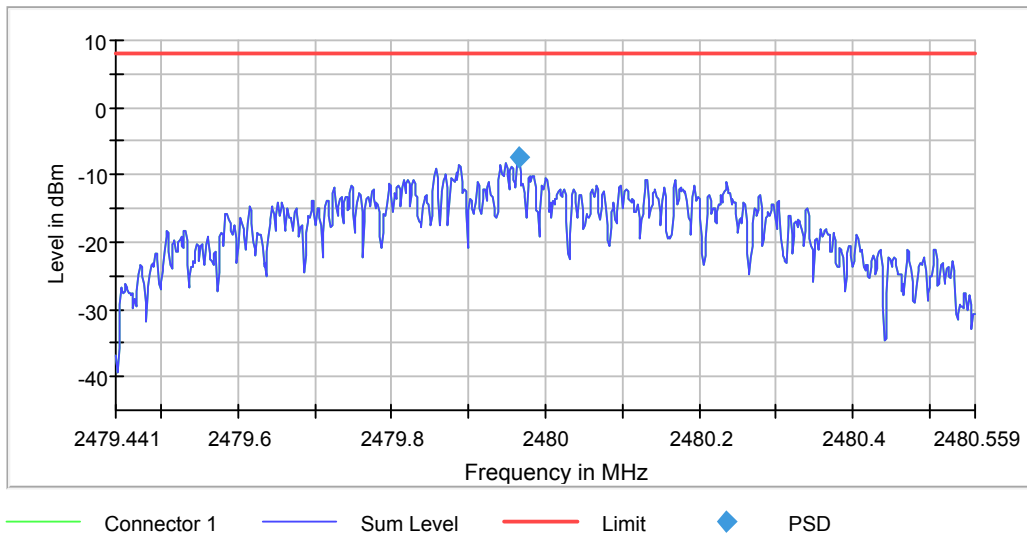
## TEST REPORT

### ANT 1 BLE

### Power Spectral Density (2480 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2480.000000         | 2479.964797     | -7.323    | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 2.47944 GHz      | 2.47944 GHz  |
| Stop Frequency  | 2.48056 GHz      | 2.48056 GHz  |
| Span            | 1.118 MHz        | 1.118 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz |
| VBW             | 10.000 kHz       | >= 9.000 kHz |
| SweepPoints     | 745              | ~ 745        |
| SweepTime       | 24.900 s         | AUTO         |
| Reference Level | -10.000 dBm      | -10.000 dBm  |
| Attenuation     | 10.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 10               | 10           |
| Filter          | Channel          | Channel      |
| Trace Mode      | Max Hold         | Max Hold     |
| SweepType       | Sweep            | AUTO         |
| Preamp          | off              | off          |

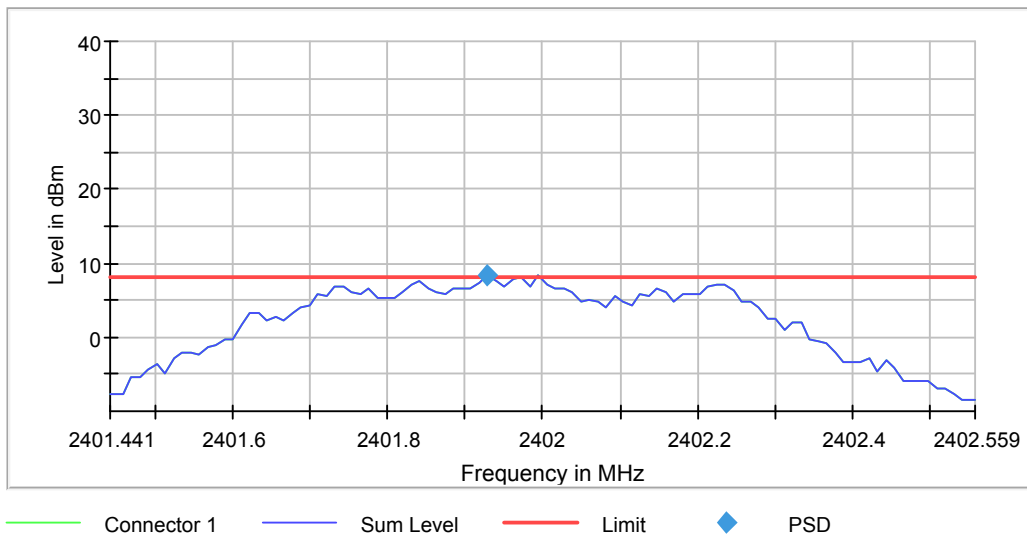
## TEST REPORT

### Ant 2 BLE

### Power Spectral Density (2402 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2402.000000         | 2401.928787     | 8.335     | 8.0             | FAIL   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.40144 GHz      | 2.40144 GHz    |
| Stop Frequency  | 2.40256 GHz      | 2.40256 GHz    |
| Span            | 1.118 MHz        | 1.118 MHz      |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 101              | ~ 22           |
| SweepTime       | 22.400 ms        | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 10               | 10             |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamp          | off              | off            |

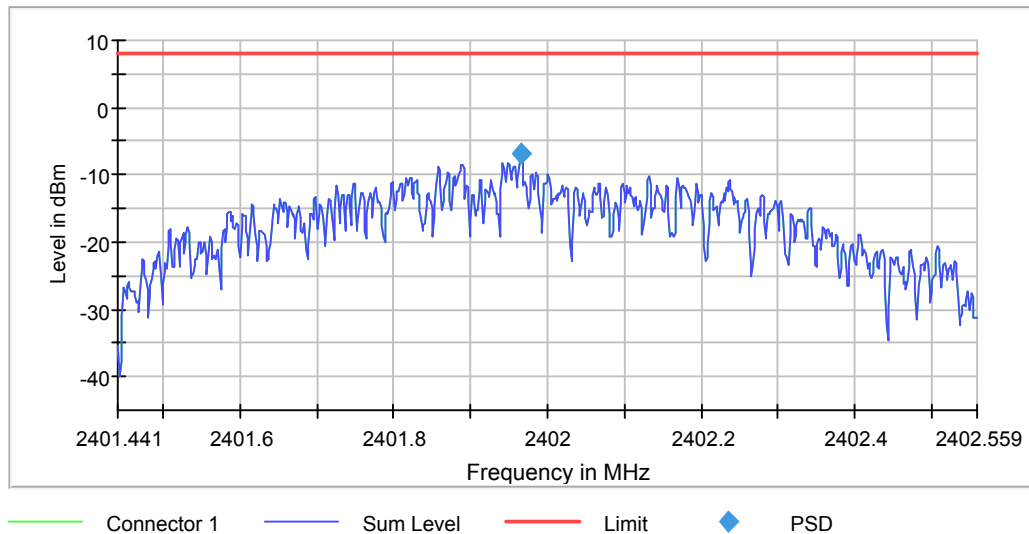
## TEST REPORT

### Ant 2 BLE

### Power Spectral Density (2402 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2402.000000         | 2401.964797     | -6.926    | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 2.40144 GHz      | 2.40144 GHz  |
| Stop Frequency  | 2.40256 GHz      | 2.40256 GHz  |
| Span            | 1.118 MHz        | 1.118 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz |
| VBW             | 10.000 kHz       | >= 9.000 kHz |
| SweepPoints     | 745              | ~ 745        |
| SweepTime       | 24.900 s         | AUTO         |
| Reference Level | -10.000 dBm      | -10.000 dBm  |
| Attenuation     | 10.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 10               | 10           |
| Filter          | Channel          | Channel      |
| Trace Mode      | Max Hold         | Max Hold     |
| SweepType       | Sweep            | AUTO         |
| Preamp          | off              | off          |

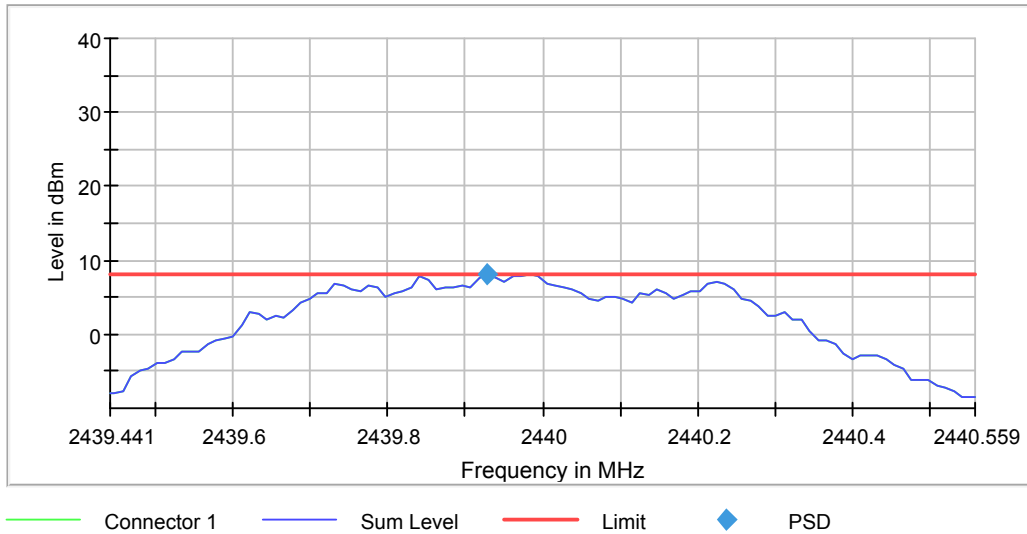
## TEST REPORT

### Ant 2 BLE

### Power Spectral Density (2440 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2440.000000         | 2439.928787     | 8.141     | 8.0             | FAIL   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.43944 GHz      | 2.43944 GHz    |
| Stop Frequency  | 2.44056 GHz      | 2.44056 GHz    |
| Span            | 1.118 MHz        | 1.118 MHz      |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 101              | ~ 22           |
| SweepTime       | 22.400 ms        | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 10               | 10             |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamplifier    | off              | off            |

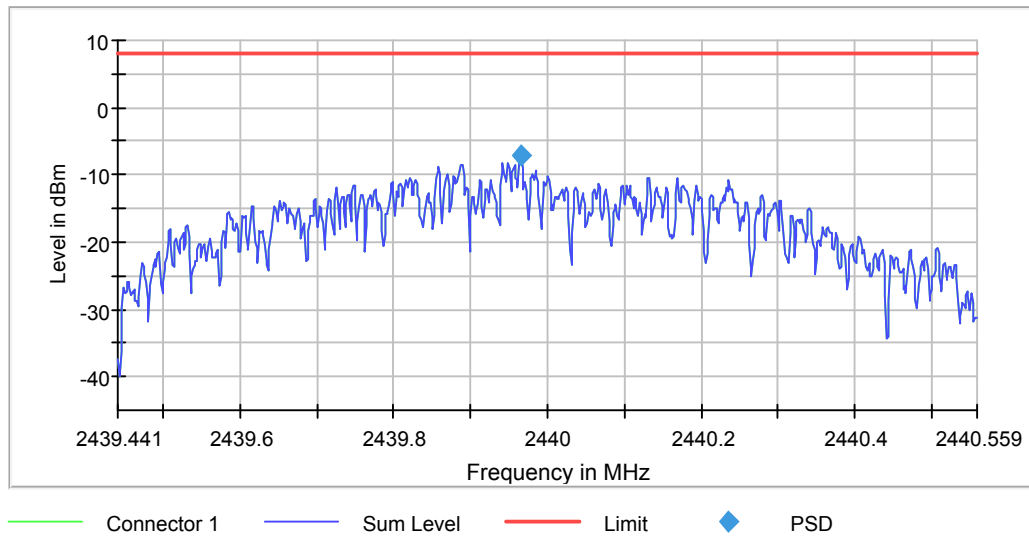
## TEST REPORT

### Ant 2 BLE

### Power Spectral Density (2440 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2440.000000         | 2439.966295     | -7.236    | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 2.43944 GHz      | 2.43944 GHz  |
| Stop Frequency  | 2.44056 GHz      | 2.44056 GHz  |
| Span            | 1.118 MHz        | 1.118 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz |
| VBW             | 10.000 kHz       | >= 9.000 kHz |
| SweepPoints     | 745              | ~ 745        |
| SweepTime       | 24.900 s         | AUTO         |
| Reference Level | -10.000 dBm      | -10.000 dBm  |
| Attenuation     | 10.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 10               | 10           |
| Filter          | Channel          | Channel      |
| Trace Mode      | Max Hold         | Max Hold     |
| SweepType       | Sweep            | AUTO         |
| Preamp          | off              | off          |

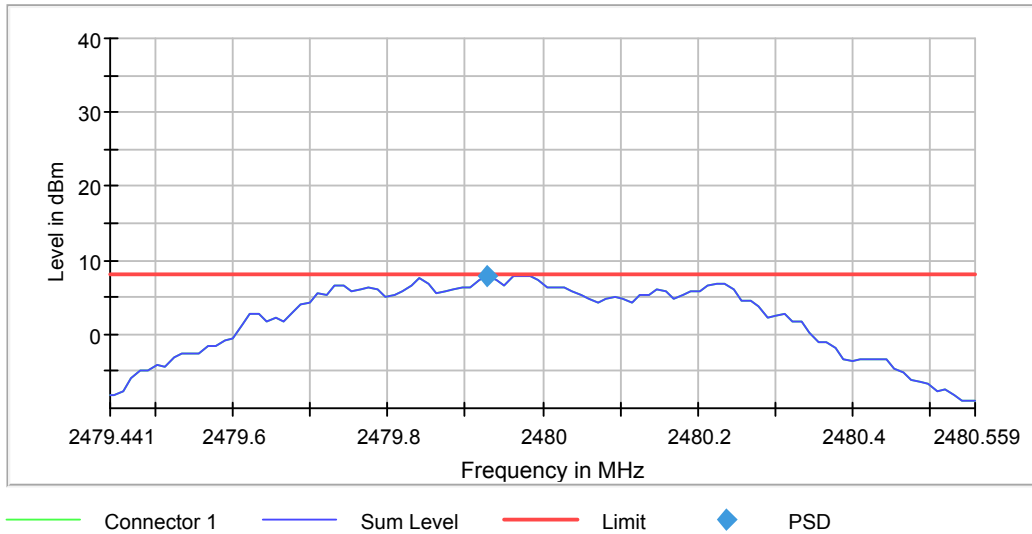
## TEST REPORT

### Ant 2 BLE

### Power Spectral Density (2480 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2480.000000         | 2479.928787     | 7.858     | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| Start Frequency | 2.47944 GHz      | 2.47944 GHz    |
| Stop Frequency  | 2.48056 GHz      | 2.48056 GHz    |
| Span            | 1.118 MHz        | 1.118 MHz      |
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 101              | ~ 22           |
| SweepTime       | 22.400 ms        | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |
| Detector        | MaxPeak          | MaxPeak        |
| SweepCount      | 10               | 10             |
| Filter          | Channel          | Channel        |
| Trace Mode      | Max Hold         | Max Hold       |
| SweepType       | Sweep            | AUTO           |
| Preamp          | off              | off            |

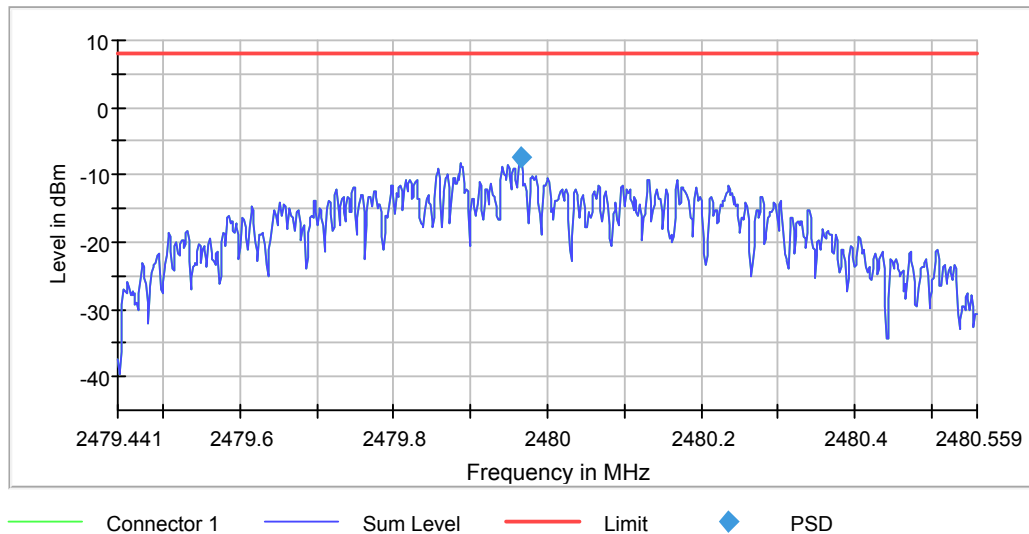
## TEST REPORT

### Ant 2 BLE

### Power Spectral Density (2480 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Frequency (MHz) | PSD (dBm) | Limit Max (dBm) | Result |
|---------------------|-----------------|-----------|-----------------|--------|
| 2480.000000         | 2479.964797     | -7.366    | 8.0             | PASS   |



### Measurement

| Setting         | Instrument Value | Target Value |
|-----------------|------------------|--------------|
| Start Frequency | 2.47944 GHz      | 2.47944 GHz  |
| Stop Frequency  | 2.48056 GHz      | 2.48056 GHz  |
| Span            | 1.118 MHz        | 1.118 MHz    |
| RBW             | 3.000 kHz        | <= 3.000 kHz |
| VBW             | 10.000 kHz       | >= 9.000 kHz |
| SweepPoints     | 745              | ~ 745        |
| SweepTime       | 24.900 s         | AUTO         |
| Reference Level | -10.000 dBm      | -10.000 dBm  |
| Attenuation     | 10.000 dB        | AUTO         |
| Detector        | MaxPeak          | MaxPeak      |
| SweepCount      | 10               | 10           |
| Filter          | Channel          | Channel      |
| Trace Mode      | Max Hold         | Max Hold     |
| SweepType       | Sweep            | AUTO         |
| Preamp          | off              | off          |

## TEST REPORT

### 4.4 Out of Band Conducted Emissions

For 802.11b/g/n20/n40MHz, the maximum conducted (peak) output power was used to demonstrate compliance as described in 9.1. Then the display line (in red) shown in the following plots denotes the limit at 20dB below maximum measured in-band peak PSD level in 100 KHz bandwidth for 802.11b/g/n20/n40MHz.

The measurement procedures under sections 11 of KDB558074 D01 v04 (05-April-2017) were used.

Furthermore, delta measurement technique for measuring bandedge emissions was incorporated in the test of the edge at 2483.5MHz.

#### Limits:

All spurious emission and up to the tenth harmonic was measured and they were found to be at least for 802.11b,g,n20MHz, n40MHz below the maximum measured in-band peak PSD level.



## TEST REPORT

### PLOTS OF OUT OF BAND CONDUCTED EMISSIONS

#### Ant 1 B mode

#### Tx Spurious Emission (2412 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

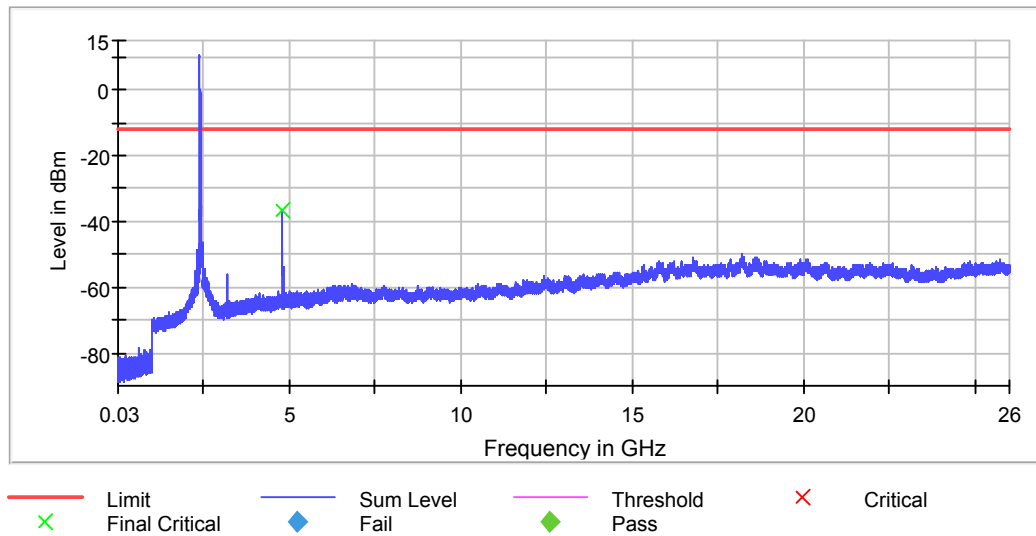
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2397.250982     | -36.7       | -24.5       | -12.2       |
| 2396.751160     | -36.8       | -24.6       | -12.2       |
| 4823.990896     | -36.9       | -24.7       | -12.2       |
| 2397.750803     | -37.4       | -25.2       | -12.2       |
| 4824.490840     | -37.4       | -25.2       | -12.2       |
| 4823.490951     | -37.7       | -25.5       | -12.2       |
| 2396.251339     | -37.9       | -25.7       | -12.2       |
| 2398.250625     | -38.2       | -26.0       | -12.2       |
| 2398.750446     | -38.4       | -26.2       | -12.2       |
| 2399.250268     | -39.4       | -27.2       | -12.2       |
| 2395.751517     | -39.5       | -27.3       | -12.2       |
| 2395.251696     | -40.1       | -27.9       | -12.2       |
| 2394.252053     | -42.8       | -30.6       | -12.2       |
| 4824.990785     | -42.8       | -30.6       | -12.2       |
| 2394.751874     | -42.9       | -30.7       | -12.2       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 19400            | ~ 19400            |
| SweepTime             | 1.061 ms         | AUTO               |
| Reference Level       | -30.000 dBm      | -30.000 dBm        |
| Attenuation           | 0.000 dB         | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 30               | 30                 |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | FFT              | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 4 / max. 150     | max. 150           |
| Stable                | 3 / 3            | 3                  |
| Max Stable Difference | 0.00 dB          | 0.50 dB            |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value     |
|-----------------------|------------------|------------------|
| RBW                   | 1.000 MHz        | $\leq 1.000$ MHz |
| VBW                   | 3.000 MHz        | $\geq 3.000$ MHz |
| SweepPoints           | 2800             | ~ 2800           |
| SweepTime             | 2.800 ms         | AUTO             |
| Reference Level       | -30.000 dBm      | -30.000 dBm      |
| Attenuation           | 0.000 dB         | AUTO             |
| Detector              | MaxPeak          | MaxPeak          |
| SweepCount            | 30               | 30               |
| Filter                | 3 dB             | 3 dB             |
| Trace Mode            | Max Hold         | Max Hold         |
| SweepType             | Sweep            | AUTO             |
| Preamp                | off              | off              |
| Stablemode            | Trace            | Trace            |
| Stablevalue           | 0.50 dB          | 0.50 dB          |
| Run                   | 5 / max. 150     | max. 150         |
| Stable                | 3 / 3            | 3                |
| Max Stable Difference | 0.32 dB          | 0.50 dB          |

## TEST REPORT

### Ant 1 B mode

### Tx Spurious Emission (2437 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

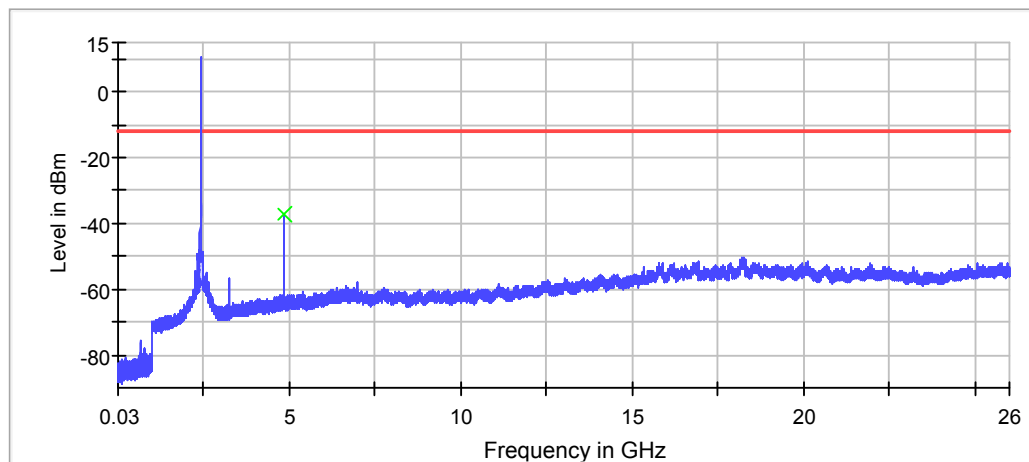
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4873.985361     | -36.9       | -24.7       | -12.2       |
| 4873.485416     | -37.8       | -25.6       | -12.2       |
| 4874.485306     | -38.1       | -25.9       | -12.2       |
| 4874.985250     | -42.3       | -30.1       | -12.2       |
| 4872.985472     | -43.0       | -30.8       | -12.2       |
| 4870.485748     | -47.9       | --35.7      | -12.2       |
| 4877.484973     | -48.0       | -35.8       | -12.2       |
| 4870.985693     | -48.4       | -36.2       | -12.2       |
| 4876.985029     | -48.5       | -36.3       | -12.2       |
| 2513.746652     | -48.5       | -36.3       | -12.2       |
| 2510.746984     | -48.7       | -36.5       | -12.2       |
| 2511.246928     | -48.8       | -36.6       | -12.2       |
| 2513.246707     | -48.9       | -36.7       | -12.2       |
| 2509.747094     | -49.0       | -36.8       | -12.2       |
| 2509.247150     | -49.0       | -36.8       | -12.2       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



X Limit Final Critical    
 ◆ Sum Level Fail    
 ◆ Threshold Pass    
 X Critical

### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 5 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 30               | 30           |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 13 / max. 150    | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.17 dB          | 0.50 dB      |

## B mode

## TEST REPORT

### Ant 1 B Mode

### Tx Spurious Emission (2462 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

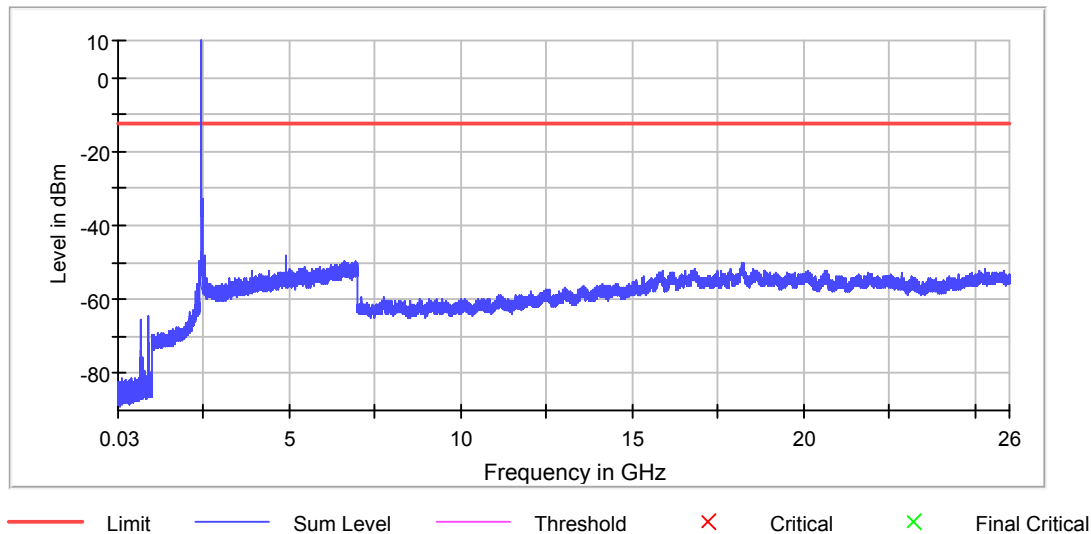
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4923.979826     | -48.0       | -35.7       | -12.3       |
| 2538.243940     | -48.3       | -36.0       | -12.3       |
| 2534.744327     | -48.5       | -36.2       | -12.3       |
| 4923.479882     | -48.6       | -36.3       | -12.3       |
| 2538.743884     | -48.6       | -36.3       | -12.3       |
| 2539.243829     | -48.8       | -36.5       | -12.3       |
| 2535.744216     | -48.8       | -36.5       | -12.3       |
| 2483.500000     | -48.9       | -36.6       | -12.3       |
| 2536.244161     | -49.0       | -36.7       | -12.3       |
| 2537.743995     | -49.2       | -36.9       | -12.3       |
| 2535.244272     | -49.2       | -36.9       | -12.3       |
| 4924.479771     | -49.3       | -37.0       | -12.3       |
| 2388.754016     | -49.5       | -37.2       | -12.3       |
| 2536.744106     | -49.6       | -37.3       | -12.3       |
| 2385.255266     | -49.6       | -37.3       | -12.3       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 19400            | ~ 19400            |
| SweepTime             | 1.061 ms         | AUTO               |
| Reference Level       | -30.000 dBm      | -30.000 dBm        |
| Attenuation           | 0.000 dB         | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 30               | 30                 |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | FFT              | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 4 / max. 150     | max. 150           |
| Stable                | 3 / 3            | 3                  |
| Max Stable Difference | 0.00 dB          | 0.50 dB            |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value     |
|-----------------------|------------------|------------------|
| RBW                   | 1.000 MHz        | $\leq 1.000$ MHz |
| VBW                   | 3.000 MHz        | $\geq 3.000$ MHz |
| SweepPoints           | 2800             | ~ 2800           |
| SweepTime             | 2.800 ms         | AUTO             |
| Reference Level       | -30.000 dBm      | -30.000 dBm      |
| Attenuation           | 0.000 dB         | AUTO             |
| Detector              | MaxPeak          | MaxPeak          |
| SweepCount            | 30               | 30               |
| Filter                | 3 dB             | 3 dB             |
| Trace Mode            | Max Hold         | Max Hold         |
| SweepType             | Sweep            | AUTO             |
| Preamp                | off              | off              |
| Stablemode            | Trace            | Trace            |
| Stablevalue           | 0.50 dB          | 0.50 dB          |
| Run                   | 8 / max. 150     | max. 150         |
| Stable                | 3 / 3            | 3                |
| Max Stable Difference | 0.48 dB          | 0.50 dB          |

## TEST REPORT

### Ant 2 B mode

### Tx Spurious Emission (2412 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

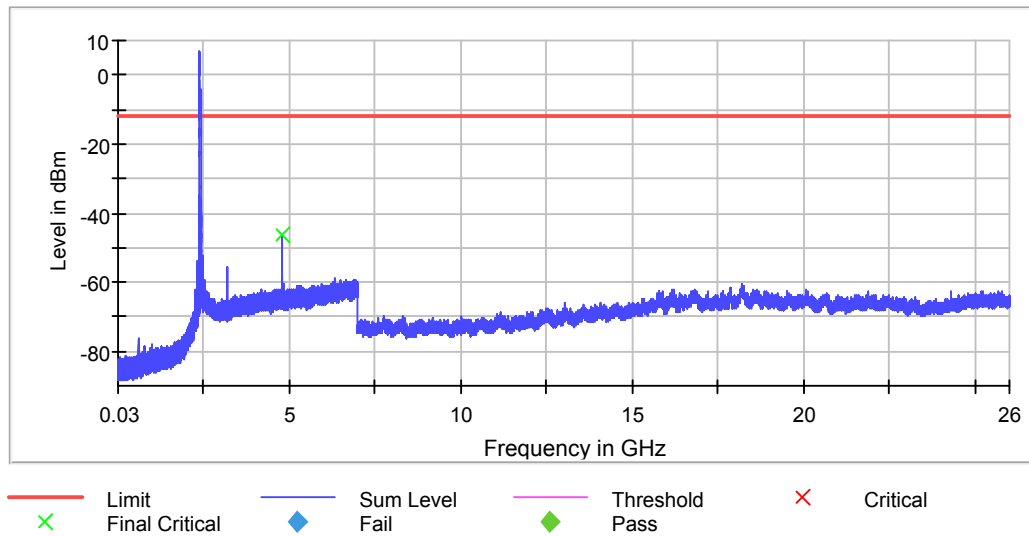
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2396.925110     | -42.3       | -30.5       | -11.8       |
| 2396.975108     | -42.8       | -31.0       | -11.8       |
| 2397.475090     | -43.0       | -31.2       | -11.8       |
| 2397.175101     | -43.2       | -31.4       | -11.8       |
| 2397.425092     | -43.5       | -31.7       | -11.8       |
| 2398.475054     | -43.5       | -31.7       | -11.8       |
| 2396.875112     | -43.7       | -31.9       | -11.8       |
| 2397.925074     | -43.8       | -32.0       | -11.8       |
| 2397.075104     | -43.8       | -32.0       | -11.8       |
| 2398.425056     | -43.8       | -32.0       | -11.8       |
| 2397.025106     | -43.9       | -32.1       | -11.8       |
| 2397.975072     | -44.0       | -32.2       | -11.8       |
| 2396.825113     | -44.4       | -32.6       | -11.8       |
| 2396.775115     | -44.7       | -32.9       | -11.8       |
| 2397.275097     | -44.7       | -32.9       | -11.8       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 2 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 28000            | ~ 28000        |
| SweepTime             | 28.000 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 2.09 dB          | 0.50 dB        |



## TEST REPORT

### Ant 2 B mode

### Tx Spurious Emission (2437 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

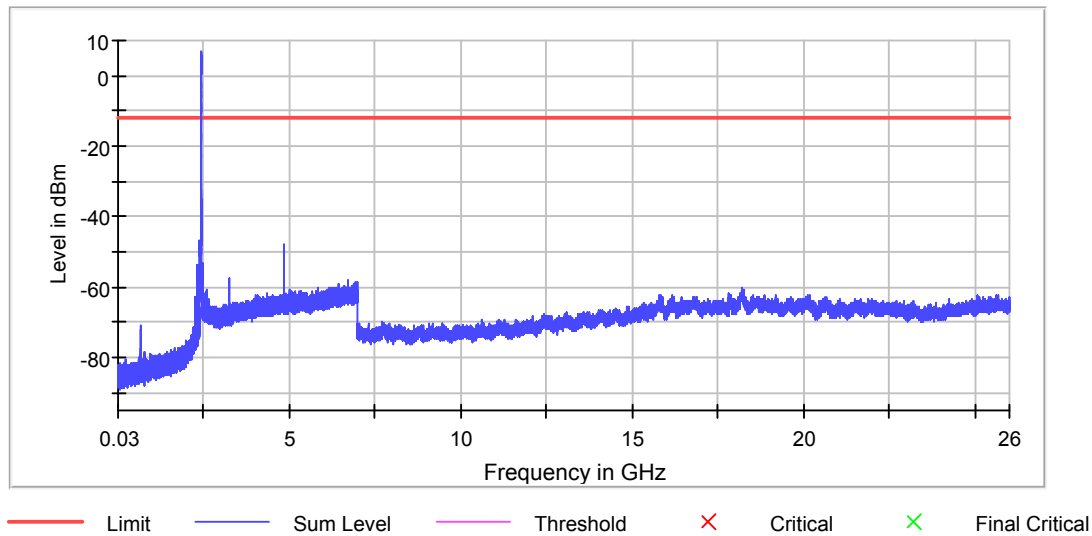
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4873.919935     | -47.9       | -36.2       | -11.7       |
| 4874.061066     | -53.1       | -41.4       | -11.7       |
| 2512.784849     | -53.5       | -41.8       | -11.7       |
| 2363.626299     | -53.9       | -42.2       | -11.7       |
| 4873.778803     | -54.0       | -42.3       | -11.7       |
| 2361.626370     | -54.0       | -42.3       | -11.7       |
| 2361.126388     | -54.0       | -42.3       | -11.7       |
| 2361.176387     | -54.0       | -42.3       | -11.7       |
| 2512.361454     | -54.1       | -42.4       | -11.7       |
| 2361.676369     | -54.1       | -42.4       | -11.7       |
| 2512.220322     | -54.3       | -42.6       | -11.7       |
| 2511.232400     | -54.4       | -42.7       | -11.7       |
| 2360.626406     | -54.4       | -42.7       | -11.7       |
| 2359.676440     | -54.4       | -42.7       | -11.7       |
| 2364.126281     | -54.4       | -42.7       | -11.7       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 0.58 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 28000            | ~ 28000        |
| SweepTime             | 28.000 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 2.00 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 B mode

### Tx Spurious Emission (2462 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

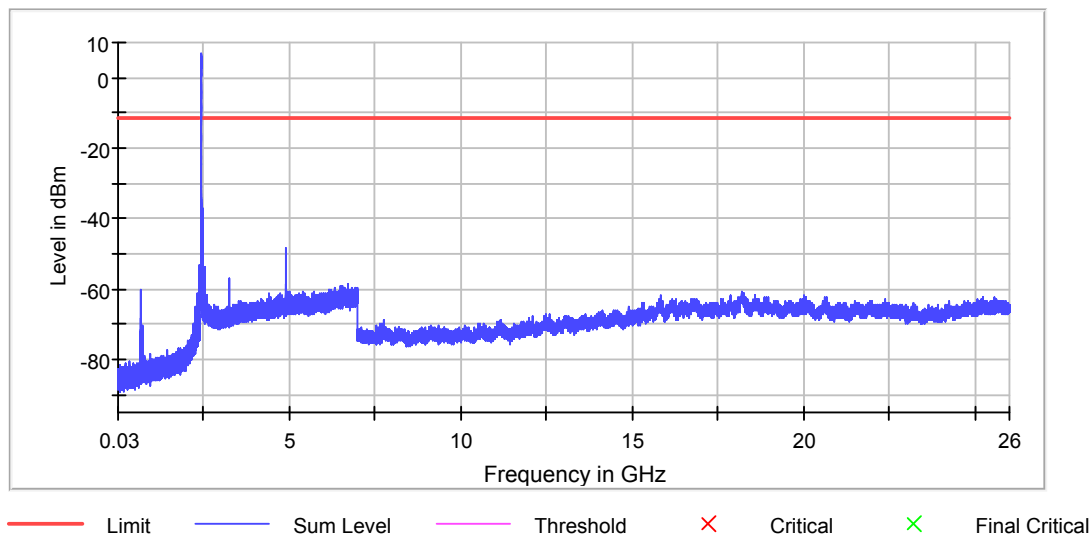
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4923.880593     | -48.6       | -37.0       | -11.6       |
| 4924.021725     | -51.5       | -39.9       | -11.6       |
| 2388.125424     | -53.4       | -41.8       | -11.6       |
| 2388.175422     | -53.5       | -41.9       | -11.6       |
| 2534.801411     | -53.6       | -42.0       | -11.6       |
| 2535.365938     | -53.6       | -42.0       | -11.6       |
| 2387.675440     | -53.6       | -42.0       | -11.6       |
| 2386.625478     | -53.8       | -42.2       | -11.6       |
| 2386.675476     | -53.9       | -42.3       | -11.6       |
| 2538.329706     | -53.9       | -42.3       | -11.6       |
| 2387.625442     | -53.9       | -42.3       | -11.6       |
| 2386.125496     | -54.1       | -42.5       | -11.6       |
| 2386.175494     | -54.1       | -42.5       | -11.6       |
| 2385.675512     | -54.1       | -42.5       | -11.6       |
| 2388.625406     | -54.2       | -42.6       | -11.6       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 1 / 3            | 3              |
| Max Stable Difference | 0.20 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 28000            | ~ 28000        |
| SweepTime             | 28.000 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 1.67 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 G mode

### Tx Spurious Emission (2412 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

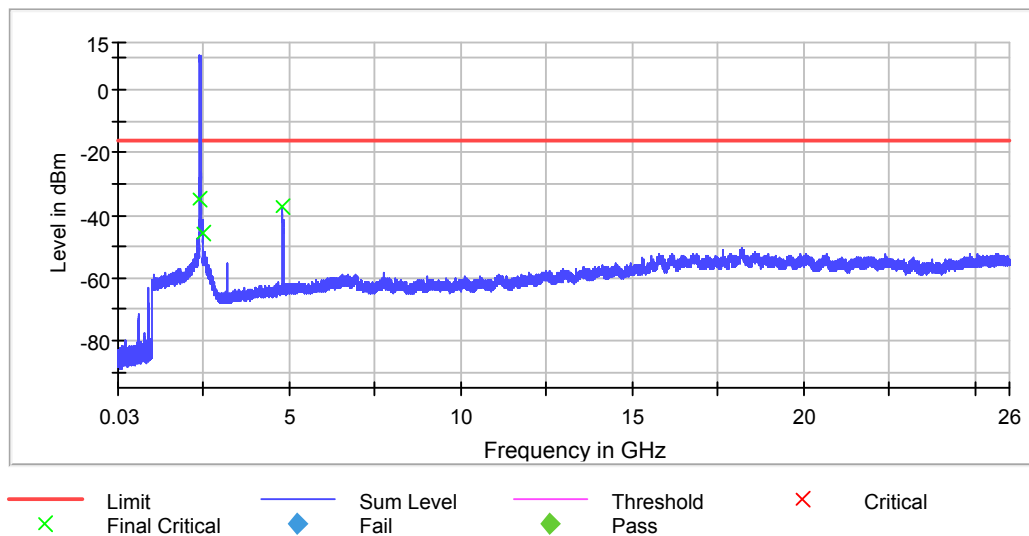
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2394.252053     | -28.5       | -12.5       | -16.0       |
| 2394.751874     | -30.2       | -14.2       | -16.0       |
| 2398.750446     | -30.3       | -14.3       | -16.0       |
| 2397.750803     | -30.7       | -14.7       | -16.0       |
| 2398.250625     | -30.8       | -14.8       | -16.0       |
| 2399.250268     | -30.9       | -14.9       | -16.0       |
| 2395.751517     | -30.9       | -14.9       | -16.0       |
| 2395.251696     | -30.9       | -14.9       | -16.0       |
| 2396.751160     | -31.1       | -15.1       | -16.0       |
| 2392.752588     | -31.3       | -15.3       | -16.0       |
| 2396.251339     | -31.4       | -15.4       | -16.0       |
| 2390.253481     | -31.6       | -15.6       | -16.0       |
| 2390.753302     | -31.6       | -15.6       | -16.0       |
| 2397.250982     | -31.9       | -15.9       | -16.0       |
| 2391.253124     | -32.6       | -16.6       | -16.0       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -20.000 dBm      | -30.000 dBm  |
| Attenuation           | 10.000 dB        | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 30               | 30           |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 10 / max. 150    | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.44 dB          | 0.50 dB      |

## TEST REPORT

### Ant 1 G mode

### Tx Spurious Emission (2437 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| 4873.485416     | -36.5                       | -50.1       | -15.7       | 34.4        | PASS   |

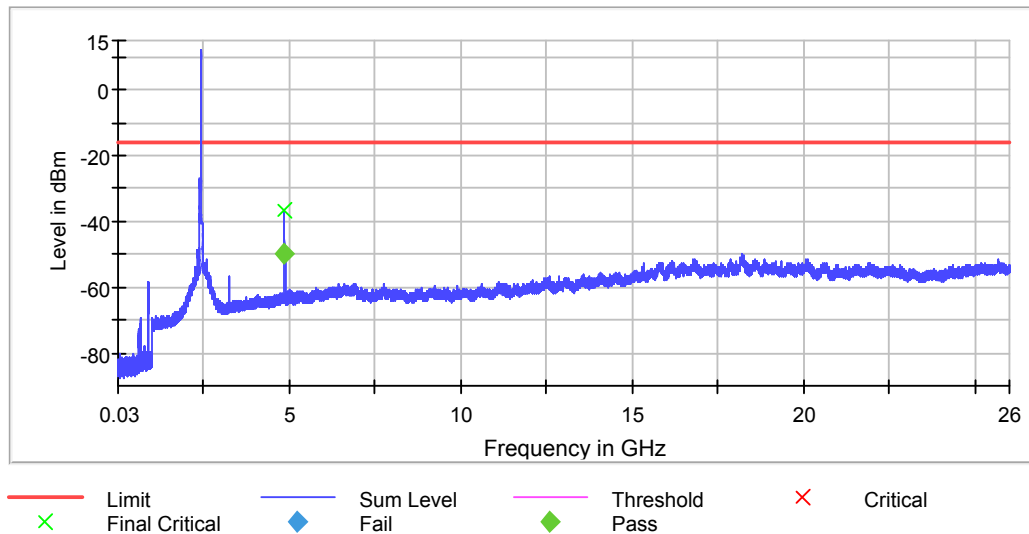
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4873.485416     | -36.5       | -20.8       | -15.7       |
| 4873.985361     | -36.9       | -21.2       | -15.7       |
| 4877.984918     | -37.1       | -21.4       | -15.7       |
| 4872.985472     | -37.1       | -21.4       | -15.7       |
| 4878.484863     | -37.8       | -22.1       | -15.7       |
| 4876.985029     | -38.3       | -22.6       | -15.7       |
| 4872.485527     | -38.5       | -22.8       | -15.7       |
| 4874.985250     | -38.5       | -22.8       | -15.7       |
| 4875.985139     | -38.8       | -23.1       | -15.7       |
| 4875.485195     | -38.8       | -23.1       | -15.7       |
| 4867.986025     | -39.1       | -23.4       | -15.7       |
| 4878.984807     | -39.4       | -23.7       | -15.7       |
| 4870.485748     | -39.5       | -23.8       | -15.7       |
| 4881.984475     | -39.6       | -23.9       | -15.7       |
| 4874.485306     | -39.7       | -24.0       | -15.7       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 18 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 30               | 30           |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 14 / max. 150    | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.00 dB          | 0.50 dB      |

## G mode



## TEST REPORT

### Ant 1 G mode

### Tx Spurious Emission (2462 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

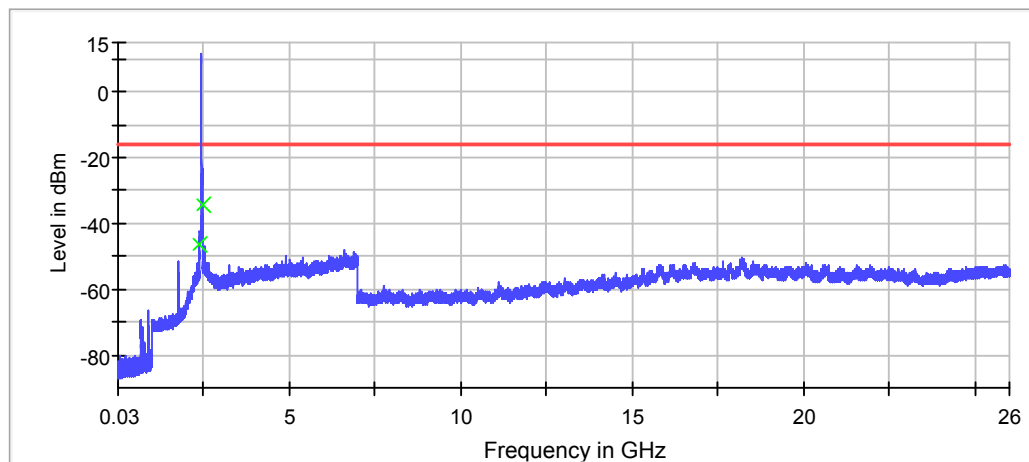
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2483.500000     | -31.7       | -15.9       | -15.8       |
| 2484.249917     | -34.5       | -18.7       | -15.8       |
| 2483.749972     | -34.9       | -19.1       | -15.8       |
| 2484.749862     | -36.0       | -20.2       | -15.8       |
| 2485.249806     | -36.8       | -21.0       | -15.8       |
| 2486.749640     | -37.4       | -21.6       | -15.8       |
| 2486.249696     | -37.8       | -22.0       | -15.8       |
| 2485.749751     | -38.8       | -23.0       | -15.8       |
| 2487.749530     | -39.3       | -23.5       | -15.8       |
| 2489.749308     | -39.4       | -23.6       | -15.8       |
| 2488.749419     | -40.0       | -24.2       | -15.8       |
| 2487.249585     | -40.7       | -24.9       | -15.8       |
| 2489.249364     | -40.8       | -25.0       | -15.8       |
| 2490.249253     | -41.0       | -25.2       | -15.8       |
| 2488.249474     | -41.3       | -25.5       | -15.8       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



x Limit Final Critical    
 ◆ Sum Level Fail    
 ◆ Threshold Pass    
 x Critical

### Pre Measurement 1

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 19400            | ~ 19400            |
| SweepTime             | 1.061 ms         | AUTO               |
| Reference Level       | -30.000 dBm      | -30.000 dBm        |
| Attenuation           | 0.000 dB         | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 30               | 30                 |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | FFT              | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 31 / max. 150    | max. 150           |
| Stable                | 3 / 3            | 3                  |
| Max Stable Difference | 0.42 dB          | 0.50 dB            |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value     |
|-----------------------|------------------|------------------|
| RBW                   | 1.000 MHz        | $\leq 1.000$ MHz |
| VBW                   | 3.000 MHz        | $\geq 3.000$ MHz |
| SweepPoints           | 2800             | ~ 2800           |
| SweepTime             | 2.800 ms         | AUTO             |
| Reference Level       | -30.000 dBm      | -30.000 dBm      |
| Attenuation           | 0.000 dB         | AUTO             |
| Detector              | MaxPeak          | MaxPeak          |
| SweepCount            | 30               | 30               |
| Filter                | 3 dB             | 3 dB             |
| Trace Mode            | Max Hold         | Max Hold         |
| SweepType             | Sweep            | AUTO             |
| Preamp                | off              | off              |
| Stablemode            | Trace            | Trace            |
| Stablevalue           | 0.50 dB          | 0.50 dB          |
| Run                   | 15 / max. 150    | max. 150         |
| Stable                | 3 / 3            | 3                |
| Max Stable Difference | 0.50 dB          | 0.50 dB          |

## TEST REPORT

### Ant 2 G mode

### Tx Spurious Emission (2412 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

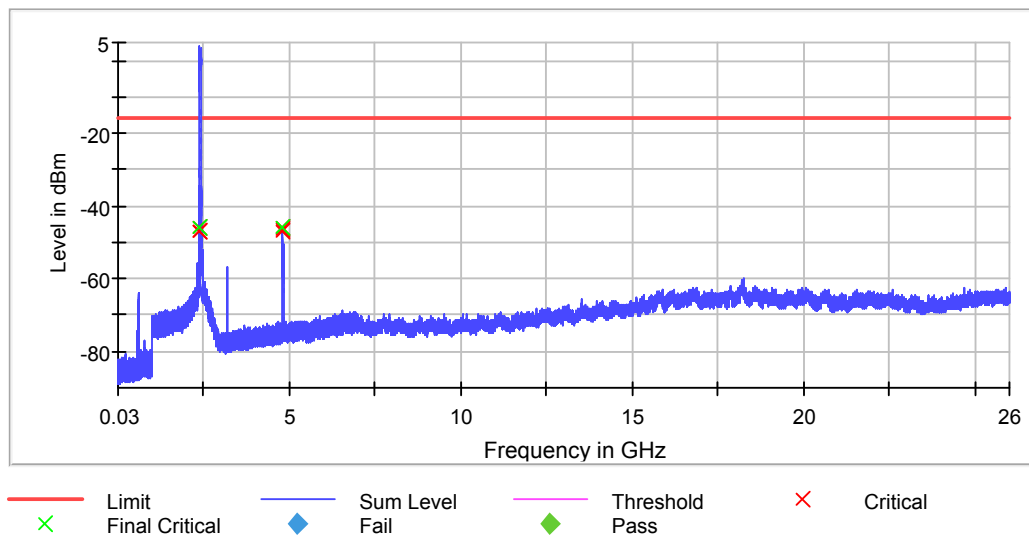
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2398.475054     | -37.6       | -21.9       | -15.7       |
| 2399.175029     | -38.0       | -22.3       | -15.7       |
| 2394.425199     | -38.2       | -22.5       | -15.7       |
| 2399.025035     | -38.3       | -22.6       | -15.7       |
| 2399.125031     | -38.4       | -22.7       | -15.7       |
| 2397.575087     | -38.5       | -22.8       | -15.7       |
| 2399.075033     | -38.6       | -22.9       | -15.7       |
| 2394.475197     | -38.7       | -23.0       | -15.7       |
| 2397.625085     | -38.8       | -23.1       | -15.7       |
| 2399.225028     | -38.8       | -23.1       | -15.7       |
| 2399.475019     | -38.8       | -23.1       | -15.7       |
| 2397.525088     | -39.1       | -23.4       | -15.7       |
| 2399.425021     | -39.2       | -23.5       | -15.7       |
| 2398.425056     | -39.3       | -23.6       | -15.7       |
| 2395.075176     | -39.5       | -23.8       | -15.7       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 19400            | ~ 19400            |
| SweepTime             | 1.061 ms         | AUTO               |
| Reference Level       | -30.000 dBm      | -30.000 dBm        |
| Attenuation           | 0.000 dB         | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 30               | 30                 |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | FFT              | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 3 / max. 3       | max. 3             |
| Stable                | 0 / 3            | 3                  |
| Max Stable Difference | 3.88 dB          | 0.50 dB            |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 28000            | ~ 28000            |
| SweepTime             | 28.000 ms        | AUTO               |
| Reference Level       | -20.000 dBm      | -30.000 dBm        |
| Attenuation           | 10.000 dB        | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 30               | 30                 |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | Sweep            | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 3 / max. 3       | max. 3             |
| Stable                | 0 / 3            | 3                  |
| Max Stable Difference | 3.13 dB          | 0.50 dB            |

## TEST REPORT

### Ant 2 G mode

### Tx Spurious Emission (2437 MHz; 0.000 dBm; 20 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

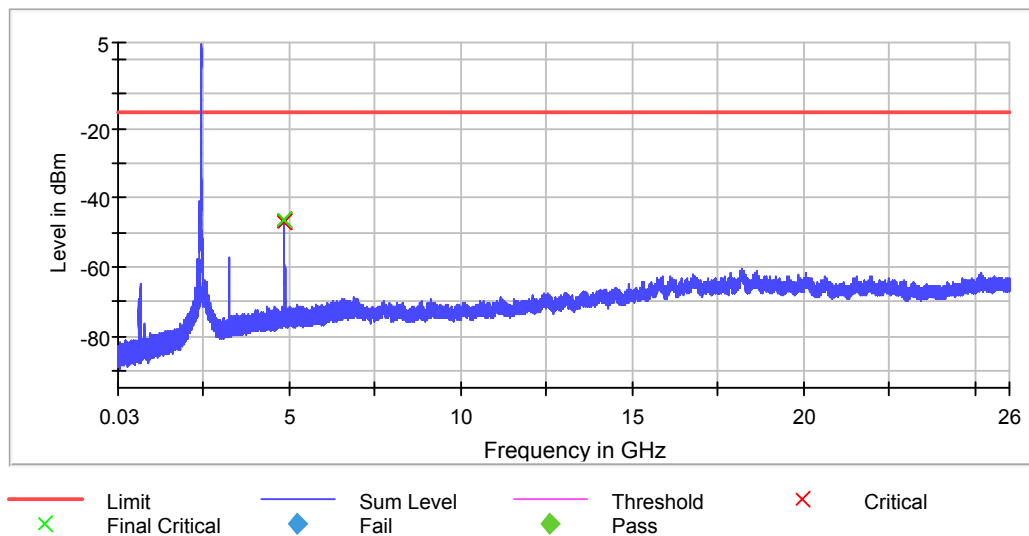
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4876.460307     | -46.2       | -30.9       | -15.3       |
| 4876.319175     | -46.3       | -31.0       | -15.3       |
| 4869.262585     | -46.9       | -31.6       | -15.3       |
| 4874.484462     | -46.9       | -31.6       | -15.3       |
| 4873.496539     | -46.9       | -31.6       | -15.3       |
| 4870.109376     | -47.0       | -31.7       | -15.3       |
| 4875.754648     | -47.4       | -32.1       | -15.3       |
| 4873.637671     | -47.5       | -32.2       | -15.3       |
| 4870.815035     | -47.6       | -32.3       | -15.3       |
| 4868.980322     | -47.8       | -32.5       | -15.3       |
| 4867.992399     | -47.8       | -32.5       | -15.3       |
| 4877.307098     | -47.9       | -32.6       | -15.3       |
| 4874.625594     | -48.0       | -32.7       | -15.3       |
| 4873.214276     | -48.0       | -32.7       | -15.3       |
| 4879.565207     | -48.1       | -32.8       | -15.3       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 3.37 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 28000            | ~ 28000        |
| SweepTime             | 28.000 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 3.40 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 G mode

### Tx Spurious Emission (2462 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

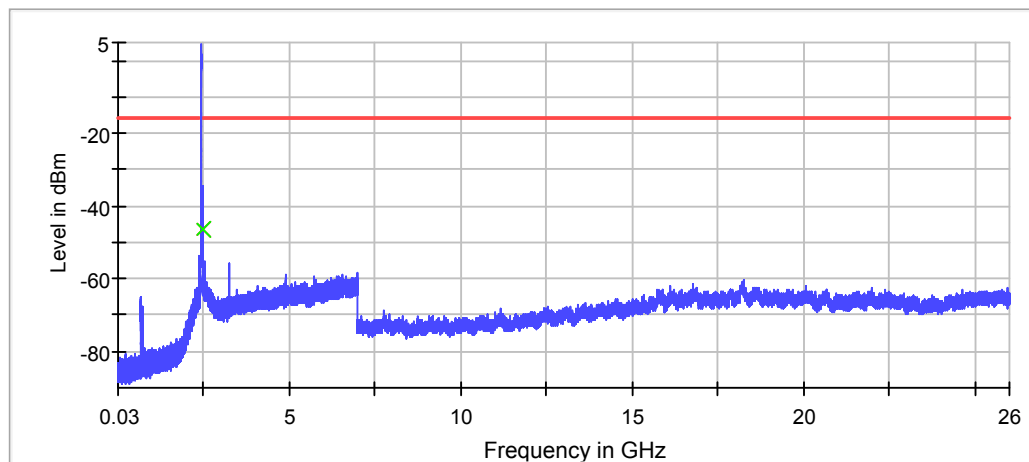
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2483.500000     | -44.9       | -29.0       | -15.9       |
| 2484.417357     | -46.4       | -30.5       | -15.9       |
| 2484.699620     | -47.3       | -31.4       | -15.9       |
| 2485.123016     | -47.3       | -31.4       | -15.9       |
| 2484.840752     | -47.5       | -31.6       | -15.9       |
| 2484.276225     | -47.5       | -31.6       | -15.9       |
| 2485.264148     | -47.8       | -31.9       | -15.9       |
| 2483.852830     | -47.8       | -31.9       | -15.9       |
| 2483.993961     | -47.9       | -32.0       | -15.9       |
| 2484.135093     | -47.9       | -32.0       | -15.9       |
| 2483.711698     | -48.0       | -32.1       | -15.9       |
| 2483.570566     | -48.1       | -32.2       | -15.9       |
| 2486.252070     | -48.1       | -32.2       | -15.9       |
| 2486.110938     | -48.2       | -32.3       | -15.9       |
| 2485.405279     | -48.3       | -32.4       | -15.9       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



— Limit  
X Final Critical  
— Sum Level  
◆ Fail  
— Threshold  
◆ Pass  
X Critical

### Pre Measurement 1

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 19400            | ~ 19400            |
| SweepTime             | 1.061 ms         | AUTO               |
| Reference Level       | -30.000 dBm      | -30.000 dBm        |
| Attenuation           | 0.000 dB         | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 30               | 30                 |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | FFT              | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 3 / max. 3       | max. 3             |
| Stable                | 0 / 3            | 3                  |
| Max Stable Difference | 5.23 dB          | 0.50 dB            |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 28000            | ~ 28000            |
| SweepTime             | 28.000 ms        | AUTO               |
| Reference Level       | -30.000 dBm      | -30.000 dBm        |
| Attenuation           | 0.000 dB         | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 30               | 30                 |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | Sweep            | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 3 / max. 3       | max. 3             |
| Stable                | 0 / 3            | 3                  |
| Max Stable Difference | 3.46 dB          | 0.50 dB            |



## TEST REPORT

### Ant 1 NHT20

### Tx Spurious Emission (2412 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

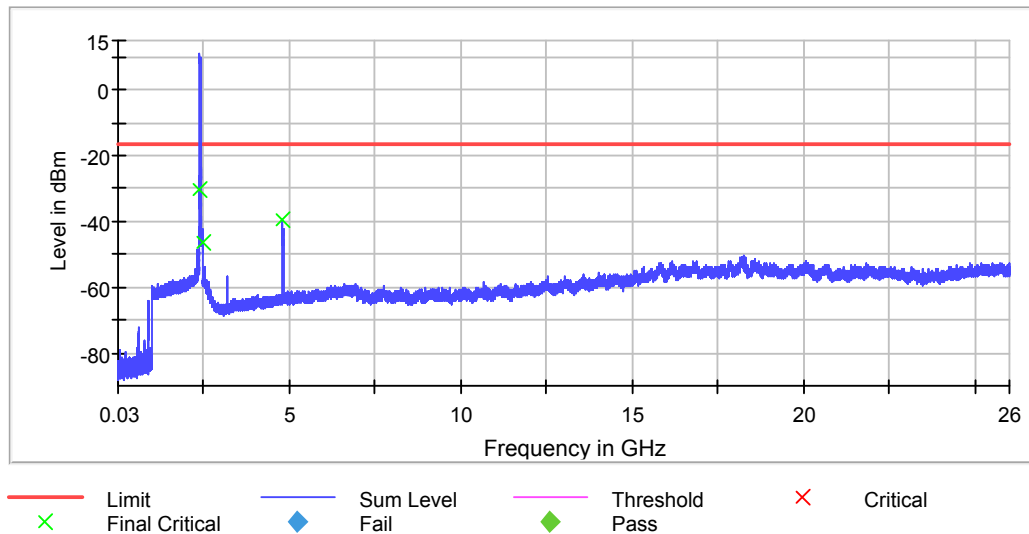
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2398.250625     | -26.5       | -10.0       | -16.5       |
| 2398.750446     | -27.3       | -10.8       | -16.5       |
| 2399.250268     | -27.8       | -11.3       | -16.5       |
| 2397.250982     | -28.7       | -12.2       | -16.5       |
| 2395.751517     | -29.4       | -12.9       | -16.5       |
| 2396.751160     | -30.0       | -13.5       | -16.5       |
| 2389.753659     | -30.5       | -14.0       | -16.5       |
| 2397.750803     | -30.5       | -14.0       | -16.5       |
| 2395.251696     | -31.1       | -14.6       | -16.5       |
| 2396.251339     | -31.2       | -14.7       | -16.5       |
| 2394.751874     | -31.5       | -15.0       | -16.5       |
| 2393.252410     | -31.6       | -15.1       | -16.5       |
| 2390.253481     | -31.7       | -15.2       | -16.5       |
| 2392.752588     | -32.9       | -16.4       | -16.5       |
| 2391.752945     | -33.0       | -16.5       | -16.5       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 8 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -20.000 dBm      | -30.000 dBm  |
| Attenuation           | 10.000 dB        | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 30               | 30           |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 10 / max. 150    | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.00 dB          | 0.50 dB      |

## TEST REPORT

### Ant 1 NHT20

### Tx Spurious Emission (2437 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

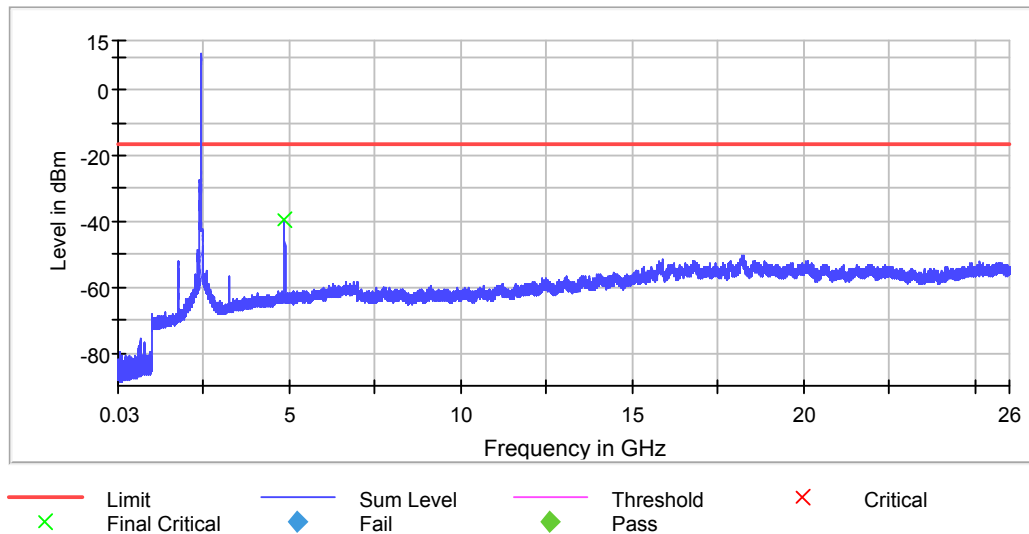
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4873.485416     | -39.6       | -22.9       | -16.7       |
| 4872.985472     | -40.2       | -23.5       | -16.7       |
| 4877.984918     | -40.3       | -23.6       | -16.7       |
| 4876.985029     | -40.8       | -24.1       | -16.7       |
| 4873.985361     | -40.9       | -24.2       | -16.7       |
| 4874.985250     | -40.9       | -24.2       | -16.7       |
| 4868.485970     | -41.0       | -24.3       | -16.7       |
| 4872.485527     | -41.0       | -24.3       | -16.7       |
| 4871.985582     | -41.0       | -24.3       | -16.7       |
| 4883.484309     | -41.2       | -24.5       | -16.7       |
| 4869.985804     | -41.3       | -24.6       | -16.7       |
| 4868.985914     | -41.4       | -24.7       | -16.7       |
| 4867.986025     | -41.6       | -24.9       | -16.7       |
| 4882.484420     | -41.6       | -24.9       | -16.7       |
| 4880.484641     | -41.6       | -24.9       | -16.7       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 30               | 30           |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 20 / max. 150    | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.12 dB          | 0.50 dB      |

## TEST REPORT

### Ant 1 NHT20

### Tx Spurious Emission (2462 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

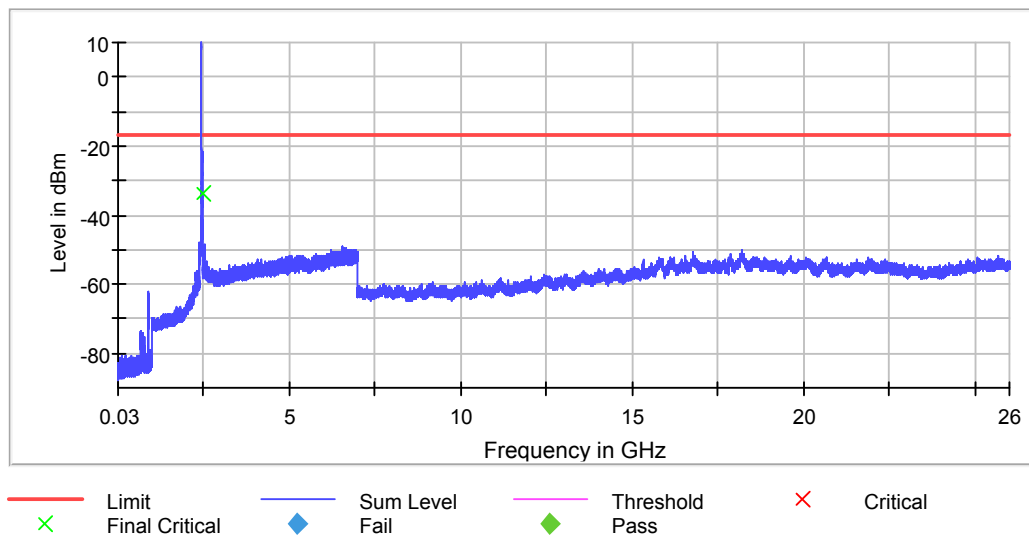
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2483.500000     | -27.6       | -10.8       | -16.8       |
| 2483.749972     | -33.6       | -16.8       | -16.8       |
| 2484.749862     | -34.3       | -17.5       | -16.8       |
| 2485.249806     | -34.8       | -18.0       | -16.8       |
| 2484.249917     | -34.8       | -18.0       | -16.8       |
| 2486.749640     | -36.0       | -19.2       | -16.8       |
| 2485.749751     | -36.9       | -20.1       | -16.8       |
| 2486.249696     | -37.5       | -20.7       | -16.8       |
| 2487.249585     | -40.5       | -23.7       | -16.8       |
| 2488.249474     | -41.2       | -24.4       | -16.8       |
| 2487.749530     | -42.1       | -25.3       | -16.8       |
| 2490.749197     | -42.2       | -25.4       | -16.8       |
| 2489.249364     | -42.6       | -25.8       | -16.8       |
| 2490.249253     | -42.6       | -25.8       | -16.8       |
| 2489.749308     | -42.7       | -25.9       | -16.8       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 18 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 30               | 30           |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 10 / max. 150    | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.16 dB          | 0.50 dB      |

## TEST REPORT

### Ant 2 NHT 20

### Tx Spurious Emission (2412 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

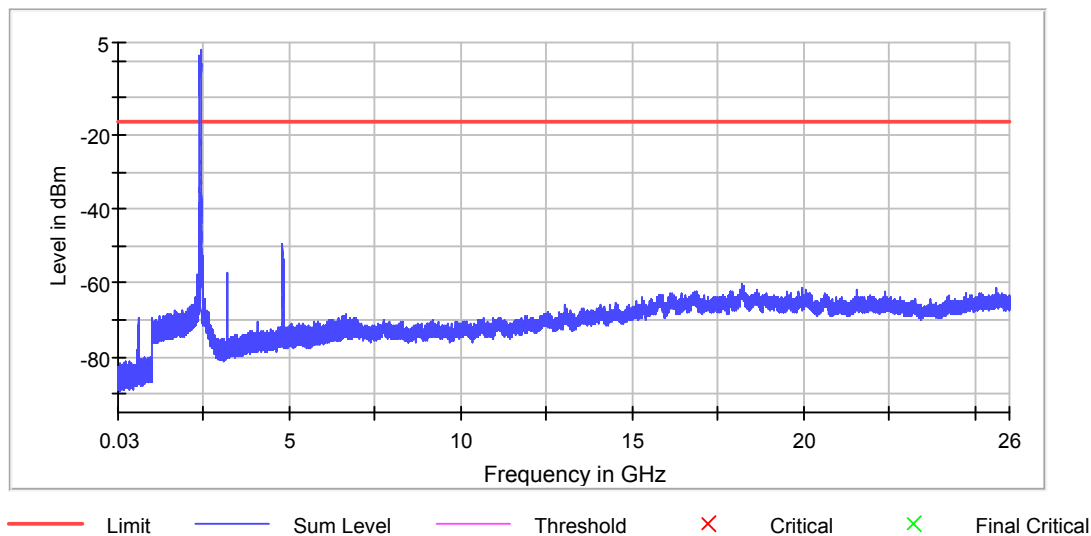
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2398.175065     | -40.5       | -24.2       | -16.3       |
| 2398.225063     | -40.9       | -24.6       | -16.3       |
| 2399.125031     | -41.5       | -25.2       | -16.3       |
| 2399.075033     | -41.7       | -25.4       | -16.3       |
| 2398.875040     | -41.9       | -25.6       | -16.3       |
| 2399.175029     | -42.0       | -25.7       | -16.3       |
| 2398.925038     | -42.1       | -25.8       | -16.3       |
| 2398.125067     | -42.2       | -25.9       | -16.3       |
| 2396.925110     | -42.5       | -26.2       | -16.3       |
| 2397.925074     | -42.7       | -26.4       | -16.3       |
| 2398.575051     | -42.7       | -26.4       | -16.3       |
| 2397.625085     | -42.8       | -26.5       | -16.3       |
| 2397.825078     | -42.9       | -26.6       | -16.3       |
| 2397.975072     | -42.9       | -26.6       | -16.3       |
| 2397.025106     | -43.0       | -26.7       | -16.3       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 19400            | ~ 19400            |
| SweepTime             | 1.061 ms         | AUTO               |
| Reference Level       | -30.000 dBm      | -30.000 dBm        |
| Attenuation           | 0.000 dB         | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 30               | 30                 |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | FFT              | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 3 / max. 3       | max. 3             |
| Stable                | 0 / 3            | 3                  |
| Max Stable Difference | 4.25 dB          | 0.50 dB            |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 28000            | ~ 28000            |
| SweepTime             | 28.000 ms        | AUTO               |
| Reference Level       | -20.000 dBm      | -30.000 dBm        |
| Attenuation           | 10.000 dB        | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 30               | 30                 |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | Sweep            | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 3 / max. 3       | max. 3             |
| Stable                | 0 / 3            | 3                  |
| Max Stable Difference | 3.83 dB          | 0.50 dB            |



## TEST REPORT

### Ant 2 NHT 20

### Tx Spurious Emission (2437 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

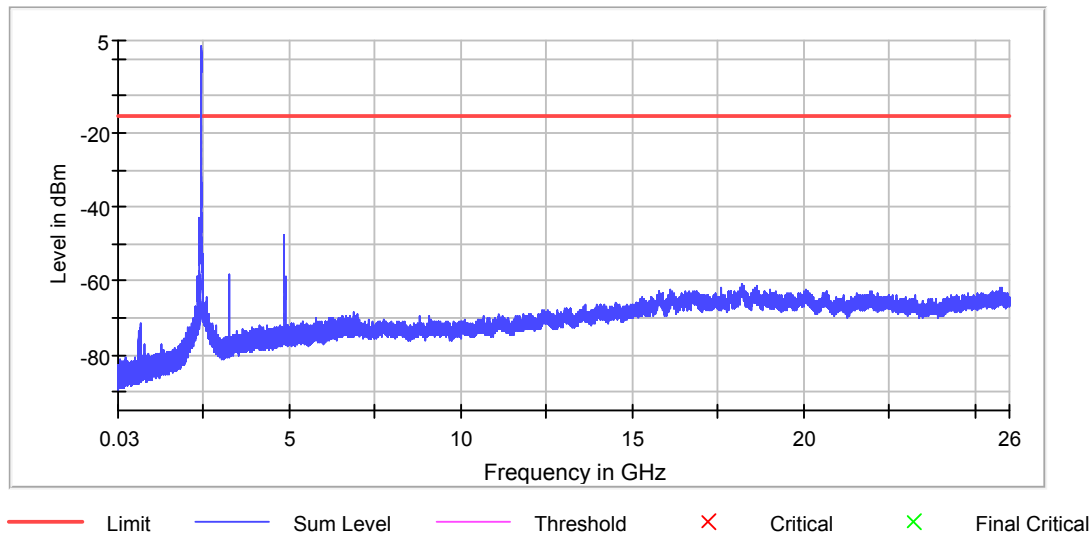
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 4875.190121     | -47.5       | -31.9       | -15.6       |
| 4869.544849     | -47.8       | -32.2       | -15.6       |
| 4872.367485     | -49.3       | -33.7       | -15.6       |
| 4874.343330     | -49.4       | -33.8       | -15.6       |
| 4874.766726     | -49.5       | -33.9       | -15.6       |
| 4874.202198     | -49.5       | -33.9       | -15.6       |
| 4872.226353     | -49.9       | -34.3       | -15.6       |
| 4868.556926     | -49.9       | -34.3       | -15.6       |
| 4878.577284     | -50.1       | -34.5       | -15.6       |
| 4874.484462     | -50.2       | -34.6       | -15.6       |
| 4879.000680     | -50.2       | -34.6       | -15.6       |
| 4873.496539     | -50.2       | -34.6       | -15.6       |
| 4878.295021     | -50.3       | -34.7       | -15.6       |
| 4876.742571     | -50.5       | -34.9       | -15.6       |
| 4867.710135     | -50.6       | -35.0       | -15.6       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 6.11 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 28000            | ~ 28000        |
| SweepTime             | 28.000 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 3.12 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 NHT 20

### Tx Spurious Emission (2462 MHz; 0.000 dBm; 20 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

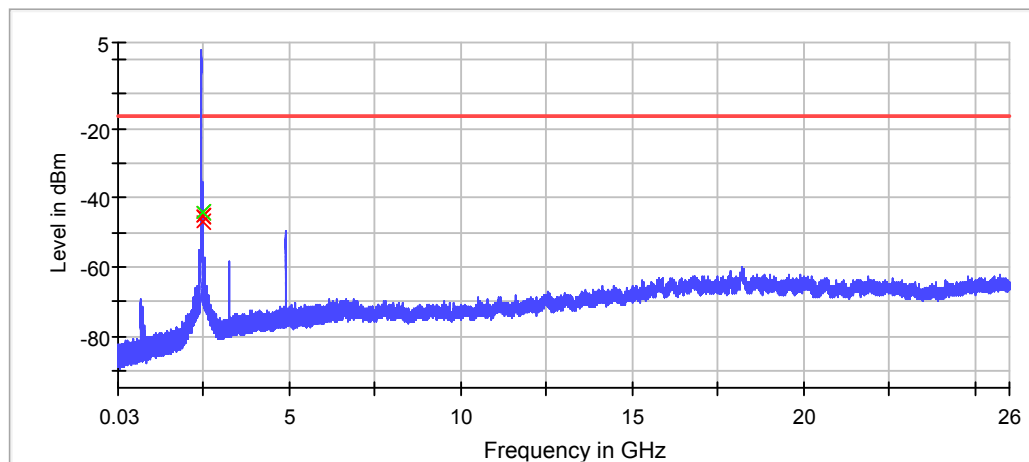
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2483.500000     | -42.0       | -25.7       | -16.3       |
| 2483.570566     | -44.1       | -27.8       | -16.3       |
| 2483.852830     | -45.1       | -28.8       | -16.3       |
| 2483.993961     | -45.1       | -28.8       | -16.3       |
| 2485.123016     | -47.2       | -30.9       | -16.3       |
| 2484.135093     | -47.3       | -31.0       | -16.3       |
| 2484.276225     | -47.4       | -31.1       | -16.3       |
| 2484.417357     | -47.9       | -31.6       | -16.3       |
| 2485.687543     | -47.9       | -31.6       | -16.3       |
| 2483.711698     | -48.0       | -31.7       | -16.3       |
| 2484.558489     | -48.2       | -31.9       | -16.3       |
| 2485.828675     | -48.7       | -32.4       | -16.3       |
| 2484.840752     | -48.8       | -32.5       | -16.3       |
| 2484.699620     | -49.2       | -32.9       | -16.3       |
| 4921.481353     | -49.5       | -33.2       | -16.3       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



— Limit  
X Final Critical
 — Sum Level  
◆ Fail
 — Threshold  
◆ Pass
 X Critical

### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 7.25 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 28000            | ~ 28000        |
| SweepTime             | 28.000 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 2.50 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 NHT40

### Tx Spurious Emission (2422 MHz; 0.000 dBm; 40 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

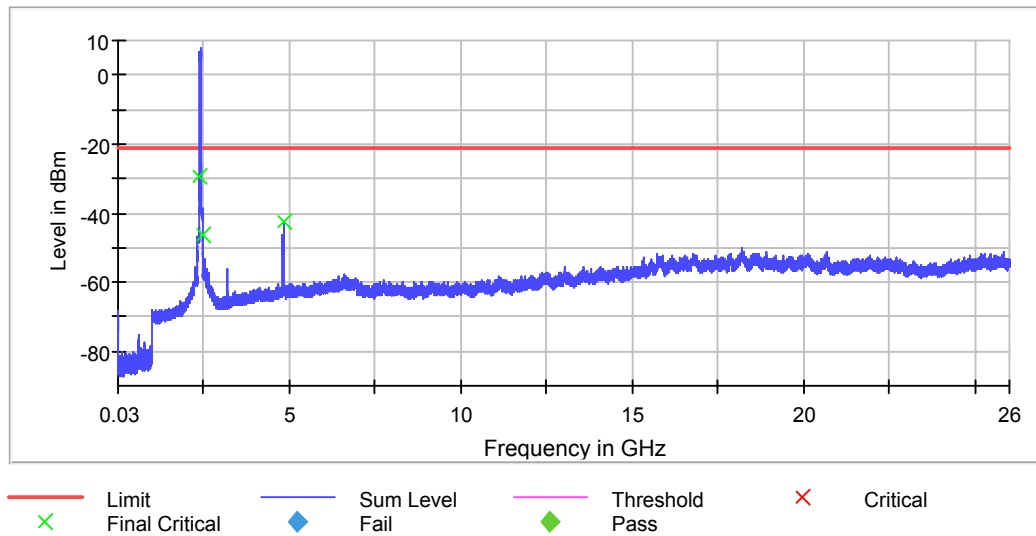
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2390.753302     | -28.7       | -7.8        | -20.9       |
| 2392.752588     | -28.7       | -7.8        | -20.9       |
| 2391.253124     | -28.8       | -7.9        | -20.9       |
| 2392.252767     | -28.9       | -8.0        | -20.9       |
| 2393.252410     | -29.0       | -8.1        | -20.9       |
| 2394.751874     | -29.3       | -8.4        | -20.9       |
| 2388.754016     | -29.3       | -8.4        | -20.9       |
| 2389.253838     | -29.4       | -8.5        | -20.9       |
| 2398.750446     | -29.5       | -8.6        | -20.9       |
| 2395.251696     | -29.7       | -8.8        | -20.9       |
| 2394.252053     | -29.7       | -8.8        | -20.9       |
| 2398.250625     | -29.7       | -8.8        | -20.9       |
| 2390.253481     | -29.7       | -8.8        | -20.9       |
| 2397.250982     | -29.9       | -9.0        | -20.9       |
| 2387.754373     | -29.9       | -9.0        | -20.9       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 30 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 30               | 30           |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 45 / max. 150    | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.00 dB          | 0.50 dB      |

## TEST REPORT

### Ant 1 NHT40

### Tx Spurious Emission (2437 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

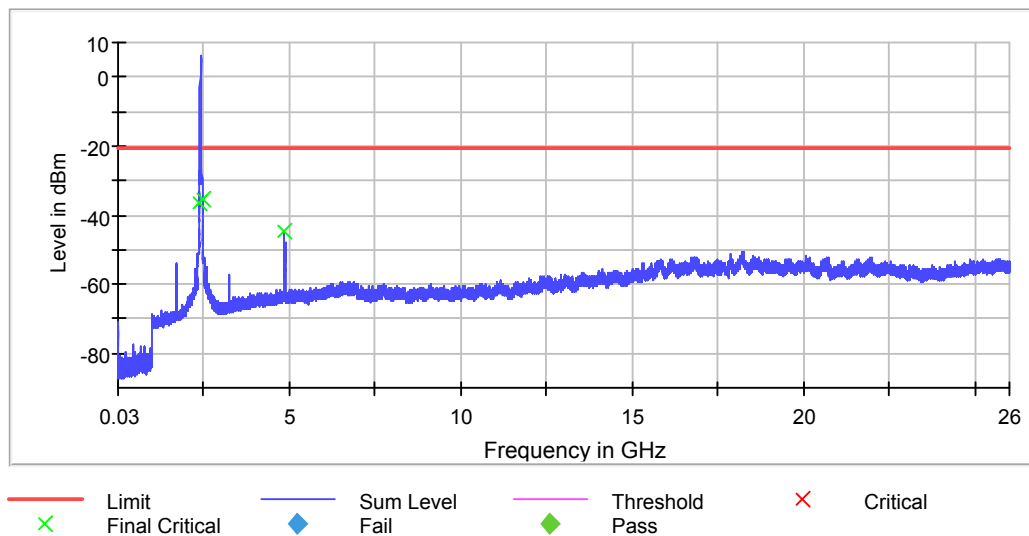
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2395.751517     | -32.9       | -12.1       | -20.8       |
| 2396.251339     | -33.1       | -12.3       | -20.8       |
| 2397.750803     | -34.0       | -13.2       | -20.8       |
| 2398.750446     | -34.2       | -13.4       | -20.8       |
| 2399.250268     | -34.2       | -13.4       | -20.8       |
| 2397.250982     | -35.4       | -14.6       | -20.8       |
| 2486.249696     | -35.5       | -14.7       | -20.8       |
| 2395.251696     | -35.6       | -14.8       | -20.8       |
| 2398.250625     | -35.6       | -14.8       | -20.8       |
| 2394.751874     | -35.6       | -14.8       | -20.8       |
| 2391.752945     | -35.9       | -15.1       | -20.8       |
| 2393.252410     | -36.1       | -15.3       | -20.8       |
| 2394.252053     | -36.2       | -15.4       | -20.8       |
| 2484.749862     | -36.6       | -15.8       | -20.8       |
| 2389.753659     | -36.6       | -15.8       | -20.8       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 23 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 30               | 30           |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 29 / max. 150    | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.00 dB          | 0.50 dB      |



## TEST REPORT

### Ant 1 NHT40

### Tx Spurious Emission (2452 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

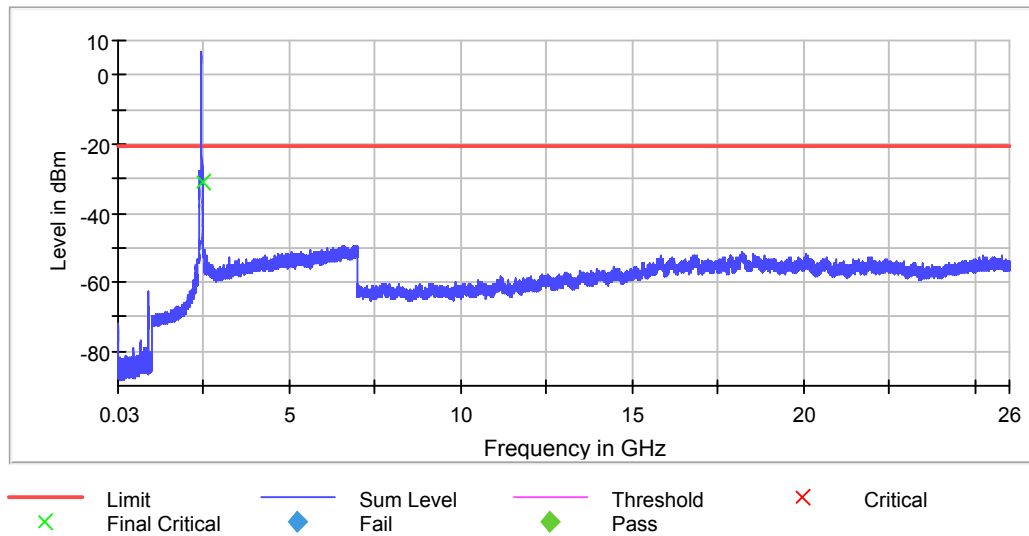
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2487.249585     | -31.2       | -10.4       | -20.8       |
| 2489.249364     | -32.8       | -12.0       | -20.8       |
| 2483.500000     | -33.1       | -12.3       | -20.8       |
| 2486.749640     | -35.1       | -14.3       | -20.8       |
| 2489.749308     | -35.4       | -14.6       | -20.8       |
| 2485.749751     | -35.5       | -14.7       | -20.8       |
| 2490.749197     | -35.5       | -14.7       | -20.8       |
| 2483.749972     | -35.5       | -14.7       | -20.8       |
| 2486.249696     | -35.6       | -14.8       | -20.8       |
| 2493.748865     | -35.9       | -15.1       | -20.8       |
| 2488.249474     | -36.1       | -15.3       | -20.8       |
| 2493.248921     | -36.4       | -15.6       | -20.8       |
| 2484.749862     | -36.7       | -15.9       | -20.8       |
| 2488.749419     | -36.8       | -16.0       | -20.8       |
| 2492.249031     | -37.3       | -16.5       | -20.8       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 6 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 30               | 30           |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 24 / max. 150    | max. 150     |
| Stable                | 3 / 3            | 3            |
| Max Stable Difference | 0.49 dB          | 0.50 dB      |

## TEST REPORT

### Ant 2 NHT 40

### Tx Spurious Emission (2422 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| 2382.575622     | -44.9                       | -49.4       | -20.6       | 28.8        | PASS   |
| 2384.425556     | -42.6                       | -48.0       | -20.6       | 27.4        | PASS   |
| 2388.175422     | -43.0                       | -46.5       | -20.6       | 26.0        | PASS   |
| 2389.825363     | -42.1                       | -46.6       | -20.6       | 26.0        | PASS   |

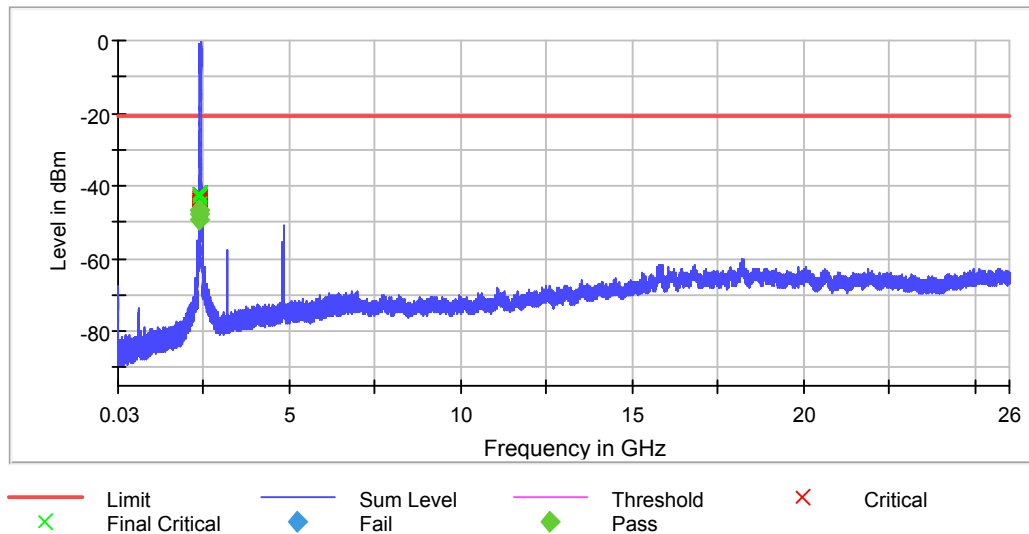
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2399.425021     | -39.7       | -19.1       | -20.6       |
| 2399.475019     | -40.0       | -19.4       | -20.6       |
| 2396.925110     | -40.6       | -20.1       | -20.6       |
| 2396.975108     | -40.7       | -20.2       | -20.6       |
| 2399.375022     | -40.8       | -20.2       | -20.6       |
| 2398.275062     | -40.8       | -20.2       | -20.6       |
| 2398.225063     | -40.8       | -20.2       | -20.6       |
| 2394.475197     | -41.0       | -20.4       | -20.6       |
| 2398.175065     | -41.0       | -20.5       | -20.6       |
| 2390.675333     | -41.4       | -20.8       | -20.6       |
| 2394.425199     | -41.4       | -20.8       | -20.6       |
| 2390.725331     | -41.6       | -21.0       | -20.6       |
| 2395.725153     | -42.1       | -21.5       | -20.6       |
| 2389.825363     | -42.1       | -21.5       | -20.6       |
| 2389.775365     | -42.2       | -21.6       | -20.6       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 3.86 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 28000            | ~ 28000        |
| SweepTime             | 28.000 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 5.38 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 NHT 40

### Tx Spurious Emission (2437 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2437.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

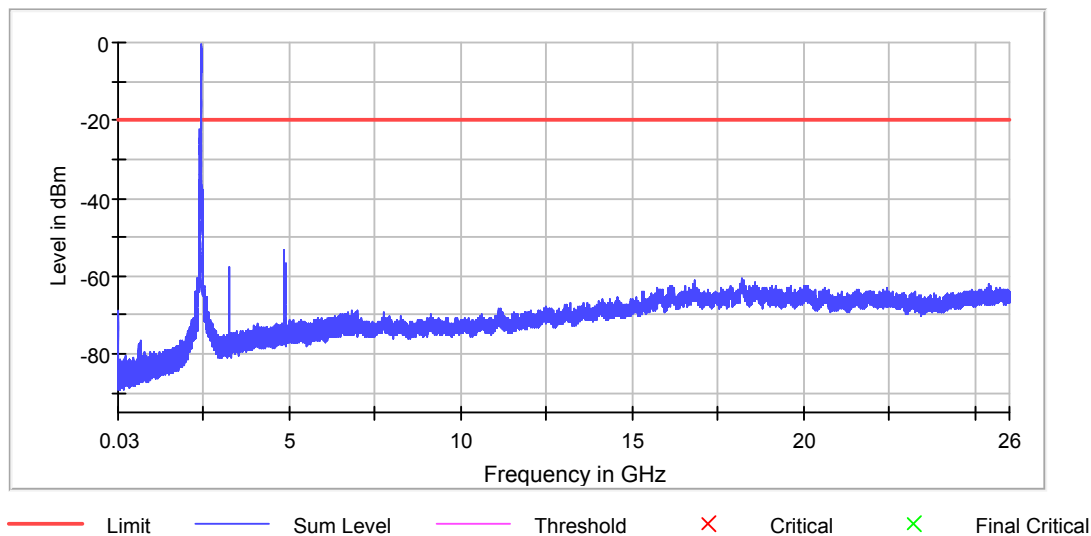
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2399.175029     | -44.2       | -24.5       | -19.7       |
| 2399.225028     | -45.5       | -25.8       | -19.7       |
| 2399.125031     | -45.5       | -25.8       | -19.7       |
| 2399.425021     | -45.6       | -25.9       | -19.7       |
| 2399.075033     | -45.8       | -26.1       | -19.7       |
| 2398.575051     | -45.9       | -26.2       | -19.7       |
| 2399.725010     | -45.9       | -26.2       | -19.7       |
| 2399.475019     | -45.9       | -26.2       | -19.7       |
| 2398.225063     | -45.9       | -26.2       | -19.7       |
| 2398.525053     | -46.1       | -26.4       | -19.7       |
| 2398.175065     | -46.1       | -26.4       | -19.7       |
| 2398.775044     | -46.1       | -26.4       | -19.7       |
| 2399.575015     | -46.4       | -26.7       | -19.7       |
| 2399.525017     | -46.5       | -26.8       | -19.7       |
| 2399.375022     | -46.6       | -26.9       | -19.7       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 4.36 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 28000            | ~ 28000        |
| SweepTime             | 28.000 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 6.12 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 NHT 40

### Tx Spurious Emission (2452 MHz; 0.000 dBm; 40 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

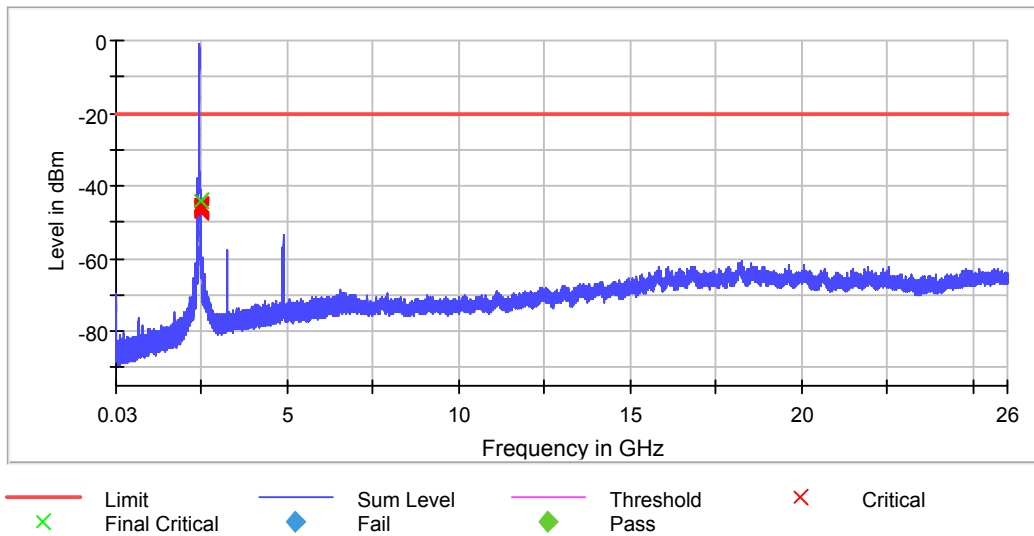
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2488.227915     | -44.2       | -23.9       | -20.3       |
| 2489.498102     | -45.2       | -24.9       | -20.3       |
| 2486.957729     | -45.3       | -25.0       | -20.3       |
| 2485.828675     | -45.4       | -25.1       | -20.3       |
| 2487.804520     | -45.4       | -25.1       | -20.3       |
| 2490.203761     | -45.7       | -25.4       | -20.3       |
| 2484.558489     | -45.7       | -25.4       | -20.3       |
| 2488.369047     | -45.8       | -25.5       | -20.3       |
| 2485.687543     | -45.8       | -25.5       | -20.3       |
| 2487.381125     | -45.9       | -25.6       | -20.3       |
| 2484.417357     | -46.0       | -25.7       | -20.3       |
| 2488.086784     | -46.0       | -25.7       | -20.3       |
| 2483.500000     | -46.3       | -26.0       | -20.3       |
| 2487.522256     | -46.3       | -26.0       | -20.3       |
| 2489.780365     | -46.3       | -26.0       | -20.3       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 2.75 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 28000            | ~ 28000        |
| SweepTime             | 28.000 ms        | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 30               | 30             |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | Sweep            | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 5.41 dB          | 0.50 dB        |



## TEST REPORT

### Ant 1 BLE

### Tx Spurious Emission (2402 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

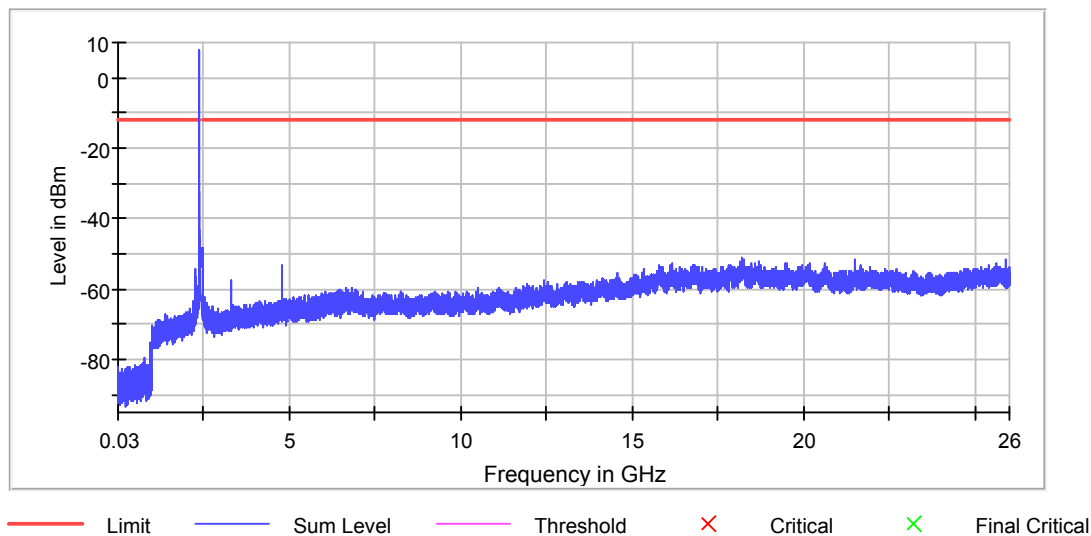
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2397.250982     | -32.6       | -20.8       | -11.8       |
| 2397.750803     | -34.0       | -22.2       | -11.8       |
| 2399.250268     | -41.4       | -29.6       | -11.8       |
| 2386.254909     | -43.1       | -31.3       | -11.8       |
| 2394.252053     | -51.0       | -39.2       | -11.8       |
| 2394.751874     | -51.1       | -39.3       | -11.8       |
| 2393.752231     | -51.3       | -39.5       | -11.8       |
| 18195.347166    | -51.3       | -39.5       | -11.8       |
| 18197.128304    | -51.5       | -39.7       | -11.8       |
| 2375.258836     | -51.5       | -39.7       | -11.8       |
| 2393.252410     | -51.7       | -39.9       | -11.8       |
| 25875.617149    | -51.7       | -39.9       | -11.8       |
| 25876.210862    | -51.7       | -39.9       | -11.8       |
| 18244.031623    | -51.8       | -40.0       | -11.8       |
| 21472.048622    | -51.8       | -40.0       | -11.8       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 5                | 5              |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 1.37 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 5                | 5            |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 3 / max. 3       | max. 3       |
| Stable                | 1 / 3            | 3            |
| Max Stable Difference | 0.00 dB          | 0.50 dB      |

## TEST REPORT

### Ant 1 BLE

### Tx Spurious Emission (2440 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2440.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

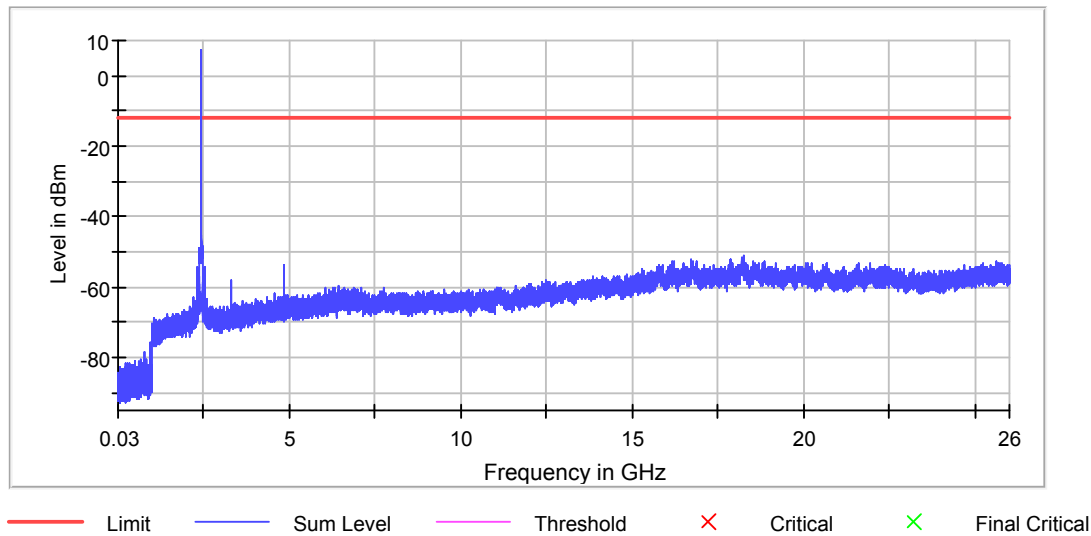
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 18236.907068    | -50.8       | -38.9       | -11.9       |
| 18248.187613    | -51.5       | -39.6       | -11.9       |
| 18209.596275    | -51.7       | -39.8       | -11.9       |
| 17874.742204    | -51.9       | -40.0       | -11.9       |
| 18238.688207    | -51.9       | -40.0       | -11.9       |
| 2399.250268     | -52.1       | -40.2       | -11.9       |
| 18190.597463    | -52.2       | -40.3       | -11.9       |
| 18224.439098    | -52.2       | -40.3       | -11.9       |
| 16746.093994    | -52.3       | -40.4       | -11.9       |
| 17854.555965    | -52.3       | -40.4       | -11.9       |
| 18191.191176    | -52.4       | -40.5       | -11.9       |
| 18214.345978    | -52.5       | -40.6       | -11.9       |
| 25619.133179    | -52.5       | -40.6       | -11.9       |
| 18220.283107    | -52.6       | -40.7       | -11.9       |
| 18184.660334    | -52.6       | -40.7       | -11.9       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 5                | 5              |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 5.22 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 5                | 5            |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 3 / max. 3       | max. 3       |
| Stable                | 0 / 3            | 3            |
| Max Stable Difference | 10.00 dB         | 0.50 dB      |

## TEST REPORT

### Ant 1 BLE

### Tx Spurious Emission (2480 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

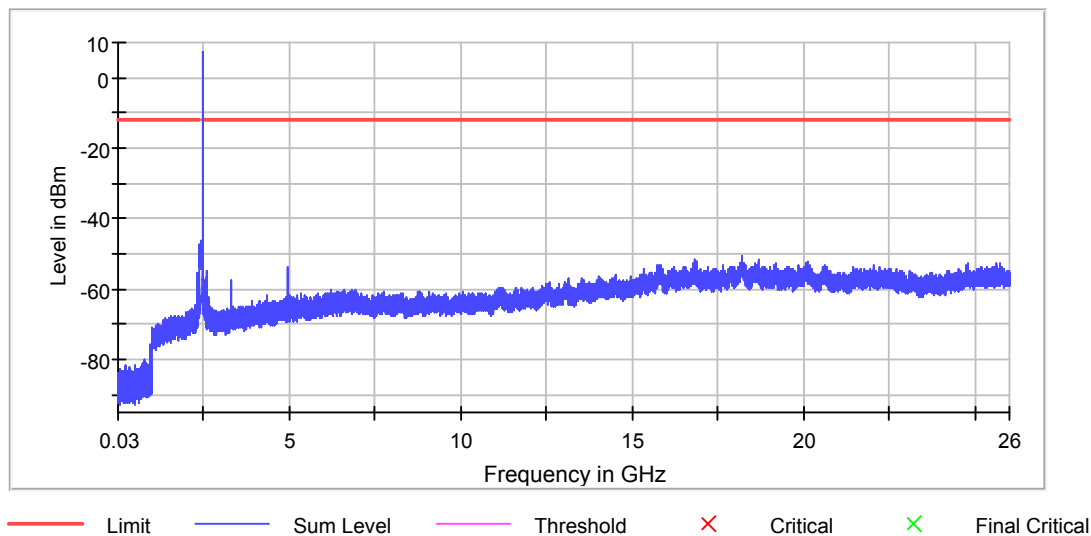
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2487.749530     | -49.4       | -37.3       | -12.1       |
| 2488.249474     | -49.6       | -37.5       | -12.1       |
| 18185.847760    | -50.8       | -38.7       | -12.1       |
| 2483.749972     | -51.1       | -39.0       | -12.1       |
| 18670.317480    | -51.6       | -39.5       | -12.1       |
| 18221.470533    | -51.6       | -39.5       | -12.1       |
| 16819.714393    | -51.9       | -39.8       | -12.1       |
| 2487.249585     | -52.0       | -39.9       | -12.1       |
| 16863.649147    | -52.1       | -40.0       | -12.1       |
| 20098.196988    | -52.1       | -40.0       | -12.1       |
| 18203.065433    | -52.1       | -40.0       | -12.1       |
| 18223.251672    | -52.2       | -40.1       | -12.1       |
| 2488.749419     | -52.3       | -40.2       | -12.1       |
| 2485.249806     | -52.3       | -40.2       | -12.1       |
| 18191.784888    | -52.3       | -40.2       | -12.1       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 5                | 5              |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 4.03 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 5                | 5            |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 3 / max. 3       | max. 3       |
| Stable                | 0 / 3            | 3            |
| Max Stable Difference | 2.57 dB          | 0.50 dB      |

## TEST REPORT

### Ant 2 BLE

### Tx Spurious Emission (2402 MHz; 0 (0 dBm); 2 MHz)

#### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |

#### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

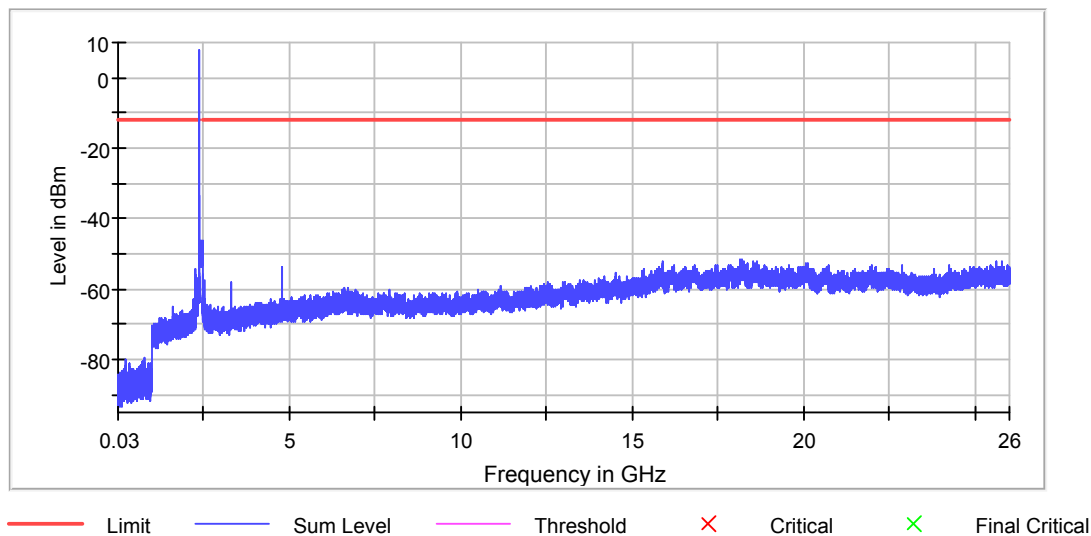
#### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2396.751160     | -33.3       | -21.6       | -11.7       |
| 2399.250268     | -41.1       | -29.4       | -11.7       |
| 2396.251339     | -41.9       | -30.2       | -11.7       |
| 2398.750446     | -47.5       | -35.8       | -11.7       |
| 2397.250982     | -50.7       | -39.0       | -11.7       |
| 2368.761157     | -51.0       | -39.3       | -11.7       |
| 2394.751874     | -51.0       | -39.3       | -11.7       |
| 18160.911818    | -51.7       | -40.0       | -11.7       |
| 18216.720830    | -51.7       | -40.0       | -11.7       |
| 18158.536966    | -51.9       | -40.2       | -11.7       |
| 18228.001375    | -51.9       | -40.2       | -11.7       |
| 18192.972314    | -51.9       | -40.2       | -11.7       |
| 2398.250625     | -51.9       | -40.2       | -11.7       |
| 18252.937316    | -52.1       | -40.4       | -11.7       |
| 15875.117180    | -52.1       | -40.4       | -11.7       |

#### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 5                | 5              |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 9.50 dB          | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 5                | 5            |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 3 / max. 3       | max. 3       |
| Stable                | 2 / 3            | 3            |
| Max Stable Difference | 0.00 dB          | 0.50 dB      |



## TEST REPORT

### Ant 2 BLE

### Tx Spurious Emission (2440 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2440.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

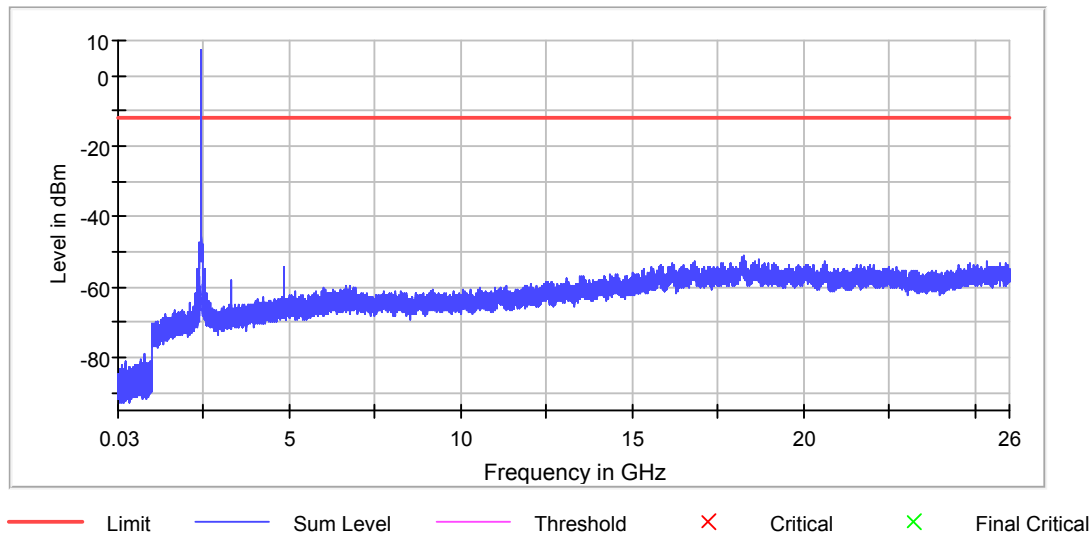
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 18245.219049    | -51.0       | -39.1       | -11.9       |
| 18200.690582    | -51.6       | -39.7       | -11.9       |
| 18214.939691    | -51.8       | -39.9       | -11.9       |
| 18225.626523    | -52.3       | -40.4       | -11.9       |
| 18676.254609    | -52.4       | -40.5       | -11.9       |
| 18216.720830    | -52.4       | -40.5       | -11.9       |
| 18284.404100    | -52.5       | -40.6       | -11.9       |
| 18209.002562    | -52.5       | -40.6       | -11.9       |
| 16848.806325    | -52.6       | -40.7       | -11.9       |
| 18212.564840    | -52.6       | -40.7       | -11.9       |
| 25323.464158    | -52.6       | -40.7       | -11.9       |
| 18220.876820    | -52.6       | -40.7       | -11.9       |
| 18234.532217    | -52.8       | -40.9       | -11.9       |
| 18202.471721    | -52.8       | -40.9       | -11.9       |
| 18226.220236    | -52.8       | -40.9       | -11.9       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value       |
|-----------------------|------------------|--------------------|
| RBW                   | 100.000 kHz      | $\leq 100.000$ kHz |
| VBW                   | 300.000 kHz      | $\geq 300.000$ kHz |
| SweepPoints           | 19400            | ~ 19400            |
| SweepTime             | 1.061 ms         | AUTO               |
| Reference Level       | -30.000 dBm      | -30.000 dBm        |
| Attenuation           | 0.000 dB         | AUTO               |
| Detector              | MaxPeak          | MaxPeak            |
| SweepCount            | 5                | 5                  |
| Filter                | 3 dB             | 3 dB               |
| Trace Mode            | Max Hold         | Max Hold           |
| SweepType             | FFT              | AUTO               |
| Preamp                | off              | off                |
| Stablemode            | Trace            | Trace              |
| Stablevalue           | 0.50 dB          | 0.50 dB            |
| Run                   | 3 / max. 3       | max. 3             |
| Stable                | 0 / 3            | 3                  |
| Max Stable Difference | 8.57 dB          | 0.50 dB            |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value     |
|-----------------------|------------------|------------------|
| RBW                   | 1.000 MHz        | $\leq 1.000$ MHz |
| VBW                   | 3.000 MHz        | $\geq 3.000$ MHz |
| SweepPoints           | 2800             | ~ 2800           |
| SweepTime             | 2.800 ms         | AUTO             |
| Reference Level       | -30.000 dBm      | -30.000 dBm      |
| Attenuation           | 0.000 dB         | AUTO             |
| Detector              | MaxPeak          | MaxPeak          |
| SweepCount            | 5                | 5                |
| Filter                | 3 dB             | 3 dB             |
| Trace Mode            | Max Hold         | Max Hold         |
| SweepType             | Sweep            | AUTO             |
| Preamp                | off              | off              |
| Stablemode            | Trace            | Trace            |
| Stablevalue           | 0.50 dB          | 0.50 dB          |
| Run                   | 3 / max. 3       | max. 3           |
| Stable                | 0 / 3            | 3                |
| Max Stable Difference | 4.23 dB          | 0.50 dB          |

## TEST REPORT

### Ant 2 BLE

### Tx Spurious Emission (2480 MHz; 0 (0 dBm); 2 MHz)

### Result

| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |

### Final measurements

| Frequency (MHz) | Level Pre Measurement (dBm) | level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|-----------------------------|-------------|-------------|-------------|--------|
| ---             | ---                         | ---         | ---         | ---         | ---    |

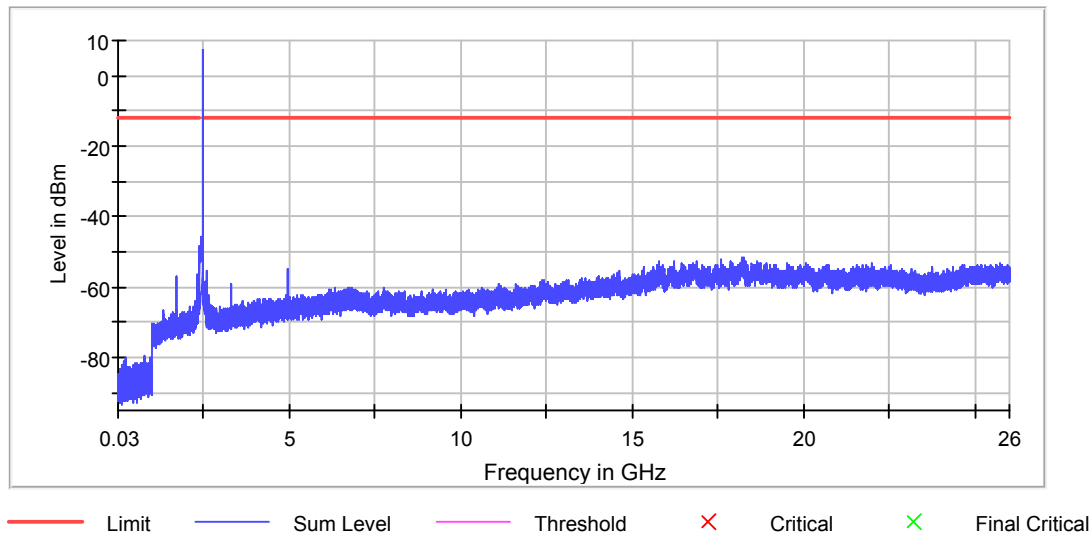
### Pre Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) |
|-----------------|-------------|-------------|-------------|
| 2488.749419     | -49.6       | -37.5       | -12.1       |
| 2483.749972     | -49.9       | -37.8       | -12.1       |
| 2488.249474     | -50.4       | -38.3       | -12.1       |
| 2487.249585     | -50.6       | -38.5       | -12.1       |
| 2487.749530     | -50.8       | -38.7       | -12.1       |
| 18200.690582    | -51.5       | -39.4       | -12.1       |
| 18249.375039    | -51.9       | -39.8       | -12.1       |
| 18178.723205    | -51.9       | -39.8       | -12.1       |
| 17615.289669    | -52.0       | -39.9       | -12.1       |
| 2484.249917     | -52.0       | -39.9       | -12.1       |
| 18220.283107    | -52.1       | -40.0       | -12.1       |
| 18233.938504    | -52.2       | -40.1       | -12.1       |
| 18232.751078    | -52.3       | -40.2       | -12.1       |
| 18257.093307    | -52.4       | -40.3       | -12.1       |
| 18247.593900    | -52.4       | -40.3       | -12.1       |

### Measurement Settings

| Start Frequency (MHz) | Stop Frequency (MHz) | Pre Measurement | Final Measurement |
|-----------------------|----------------------|-----------------|-------------------|
| 30.000000             | 1000.000000          | 1               | 1                 |
| 1000.000000           | 2400.000000          | 2               | 2                 |
| 2400.000000           | 2483.500000          | 2               | 2                 |
| 2483.500000           | 7000.000000          | 2               | 2                 |
| 7000.000000           | 26000.000000         | 2               | 2                 |

## TEST REPORT



### Pre Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 19400            | ~ 19400        |
| SweepTime             | 1.061 ms         | AUTO           |
| Reference Level       | -30.000 dBm      | -30.000 dBm    |
| Attenuation           | 0.000 dB         | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 5                | 5              |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 3 / max. 3       | max. 3         |
| Stable                | 0 / 3            | 3              |
| Max Stable Difference | 11.20 dB         | 0.50 dB        |

### Pre Measurement 2

| Setting               | Instrument Value | Target Value |
|-----------------------|------------------|--------------|
| RBW                   | 1.000 MHz        | <= 1.000 MHz |
| VBW                   | 3.000 MHz        | >= 3.000 MHz |
| SweepPoints           | 2800             | ~ 2800       |
| SweepTime             | 2.800 ms         | AUTO         |
| Reference Level       | -30.000 dBm      | -30.000 dBm  |
| Attenuation           | 0.000 dB         | AUTO         |
| Detector              | MaxPeak          | MaxPeak      |
| SweepCount            | 5                | 5            |
| Filter                | 3 dB             | 3 dB         |
| Trace Mode            | Max Hold         | Max Hold     |
| SweepType             | Sweep            | AUTO         |
| Preamp                | off              | off          |
| Stablemode            | Trace            | Trace        |
| Stablevalue           | 0.50 dB          | 0.50 dB      |
| Run                   | 3 / max. 3       | max. 3       |
| Stable                | 0 / 3            | 3            |
| Max Stable Difference | 7.23 dB          | 0.50 dB      |

## TEST REPORT

### PLOTS OF BAND EDGE

#### Ant 1 B mode

Band Edge low (2412 MHz; 0.000 dBm; 20 MHz)

#### Result

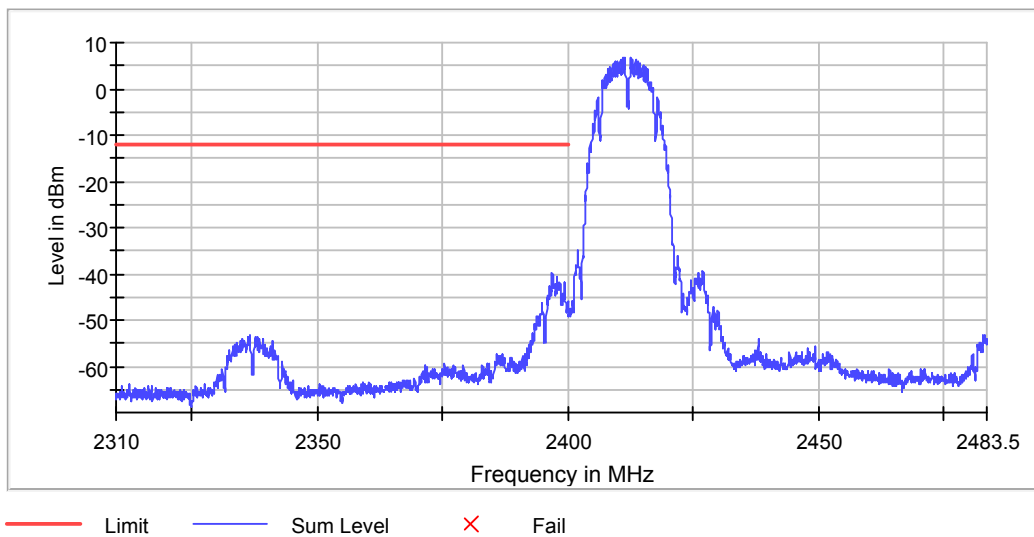
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

#### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2411.468133     | 6.8         |

#### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2396.926707     | -39.8       | -27.6       | -12.2       | PASS   |
| 2396.976680     | -40.0       | -27.8       | -12.2       | PASS   |
| 2397.926152     | -40.6       | -28.4       | -12.2       | PASS   |
| 2397.976124     | -40.9       | -28.7       | -12.2       | PASS   |
| 2396.876735     | -40.9       | -28.7       | -12.2       | PASS   |
| 2397.876180     | -41.5       | -29.3       | -12.2       | PASS   |
| 2399.425319     | -41.8       | -29.6       | -12.2       | PASS   |
| 2398.425875     | -41.9       | -29.7       | -12.2       | PASS   |
| 2397.426430     | -42.1       | -29.9       | -12.2       | PASS   |
| 2399.475292     | -42.2       | -30.0       | -12.2       | PASS   |
| 2397.176569     | -42.3       | -30.1       | -12.2       | PASS   |
| 2398.475847     | -42.4       | -30.2       | -12.2       | PASS   |
| 2397.126596     | -42.5       | -30.3       | -12.2       | PASS   |
| 2398.126041     | -42.7       | -30.5       | -12.2       | PASS   |
| 2397.476402     | -42.7       | -30.5       | -12.2       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s  | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 12 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 7 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.27 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 B mode

Band Edge high (2462 MHz; 0.000 dBm; 20 MHz)

### Result

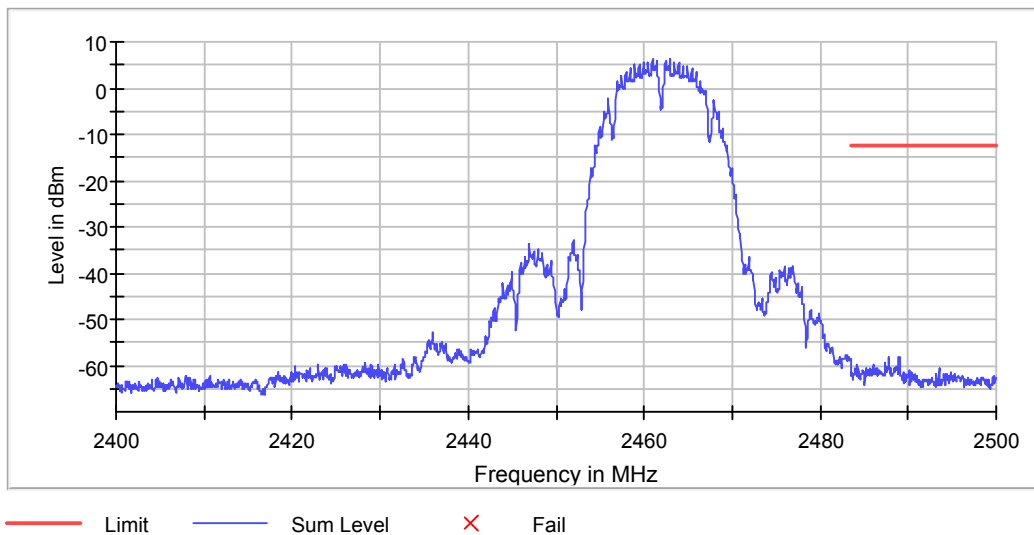
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2460.938510     | 6.2         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2488.958459     | -58.0       | -45.7       | -12.3       | PASS   |
| 2487.811934     | -58.0       | -45.7       | -12.3       | PASS   |
| 2489.008308     | -58.0       | -45.7       | -12.3       | PASS   |
| 2487.762085     | -58.1       | -45.8       | -12.3       | PASS   |
| 2487.363293     | -59.4       | -47.1       | -12.3       | PASS   |
| 2487.313444     | -59.5       | -47.2       | -12.3       | PASS   |
| 2487.861782     | -59.7       | -47.4       | -12.3       | PASS   |
| 2484.222810     | -59.7       | -47.4       | -12.3       | PASS   |
| 2486.067221     | -59.9       | -47.6       | -12.3       | PASS   |
| 2486.017372     | -60.0       | -47.7       | -12.3       | PASS   |
| 2487.562689     | -60.1       | -47.8       | -12.3       | PASS   |
| 2487.712236     | -60.1       | -47.8       | -12.3       | PASS   |
| 2488.908610     | -60.1       | -47.8       | -12.3       | PASS   |
| 2484.172961     | -60.1       | -47.8       | -12.3       | PASS   |
| 2487.512840     | -60.2       | -47.9       | -12.3       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 6 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.26 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |



## TEST REPORT

### Ant 2 B mode

Band Edge low (2412 MHz; 0.000 dBm; 20 MHz)

### Result

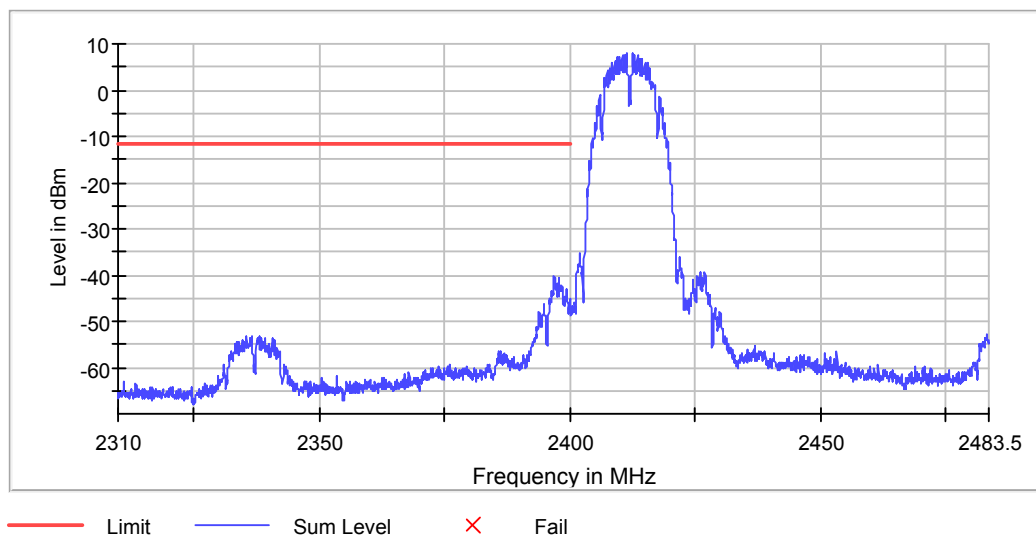
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2411.468133     | 8.0         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2396.926707     | -40.1       | 28.3        | -11.8       | PASS   |
| 2396.976680     | -40.5       | 28.7        | -11.8       | PASS   |
| 2397.926152     | -40.8       | 29.0        | -11.8       | PASS   |
| 2396.876735     | -41.0       | 29.2        | -11.8       | PASS   |
| 2397.976124     | -41.2       | 29.4        | -11.8       | PASS   |
| 2397.426430     | -41.7       | 29.9        | -11.8       | PASS   |
| 2397.876180     | -41.8       | 30.0        | -11.8       | PASS   |
| 2397.476402     | -42.1       | 30.3        | -11.8       | PASS   |
| 2398.425875     | -42.2       | 30.4        | -11.8       | PASS   |
| 2397.026652     | -42.4       | 30.6        | -11.8       | PASS   |
| 2397.126596     | -42.5       | 30.7        | -11.8       | PASS   |
| 2398.275958     | -42.6       | 30.8        | -11.8       | PASS   |
| 2398.126041     | -42.6       | 30.8        | -11.8       | PASS   |
| 2398.475847     | -42.7       | 30.9        | -11.8       | PASS   |
| 2398.076069     | -42.7       | 30.9        | -11.8       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s  | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 14 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.47 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 7 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.25 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 B mode

Band Edge high (2462 MHz; 0.000 dBm; 20 MHz)

### Result

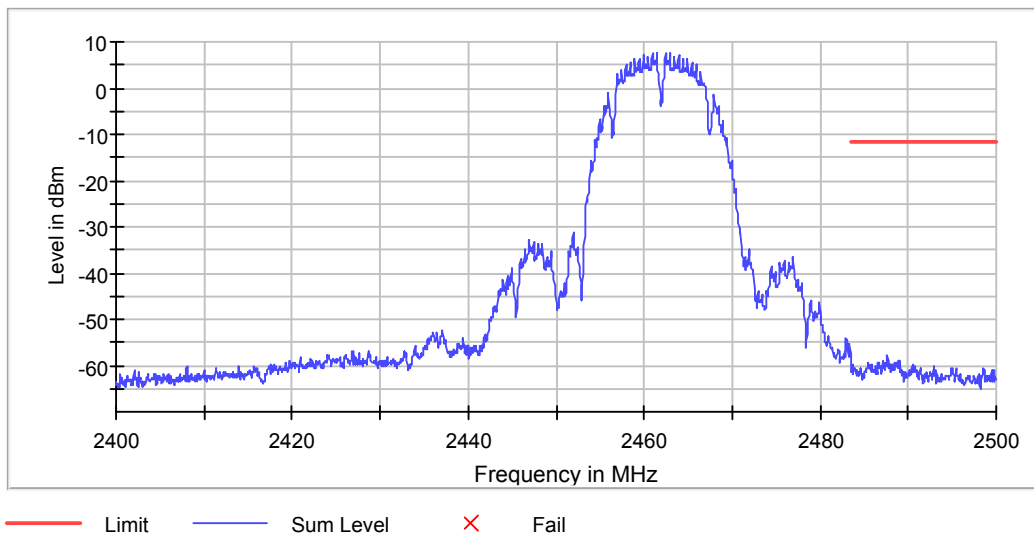
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2460.938510     | 7.7         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2487.662387     | -57.7       | -46.1       | -11.6       | PASS   |
| 2487.612538     | -58.2       | -46.6       | -11.6       | PASS   |
| 2487.114048     | -58.9       | -47.3       | -11.6       | PASS   |
| 2487.712236     | -58.9       | -47.3       | -11.6       | PASS   |
| 2488.958459     | -58.9       | -47.3       | -11.6       | PASS   |
| 2489.008308     | -59.1       | -47.5       | -11.6       | PASS   |
| 2487.064199     | -59.1       | -47.5       | -11.6       | PASS   |
| 2486.615559     | -59.2       | -47.6       | -11.6       | PASS   |
| 2488.858761     | -59.2       | -47.6       | -11.6       | PASS   |
| 2486.665408     | -59.2       | -47.6       | -11.6       | PASS   |
| 2488.609517     | -59.3       | -47.7       | -11.6       | PASS   |
| 2488.659366     | -59.3       | -47.7       | -11.6       | PASS   |
| 2487.462991     | -59.4       | -47.8       | -11.6       | PASS   |
| 2487.413142     | -59.5       | -47.9       | -11.6       | PASS   |
| 2488.509819     | -59.5       | -47.9       | -11.6       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 12 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.18 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 G mode

Band Edge low (2412 MHz; 0.000 dBm; 20 MHz)

### Result

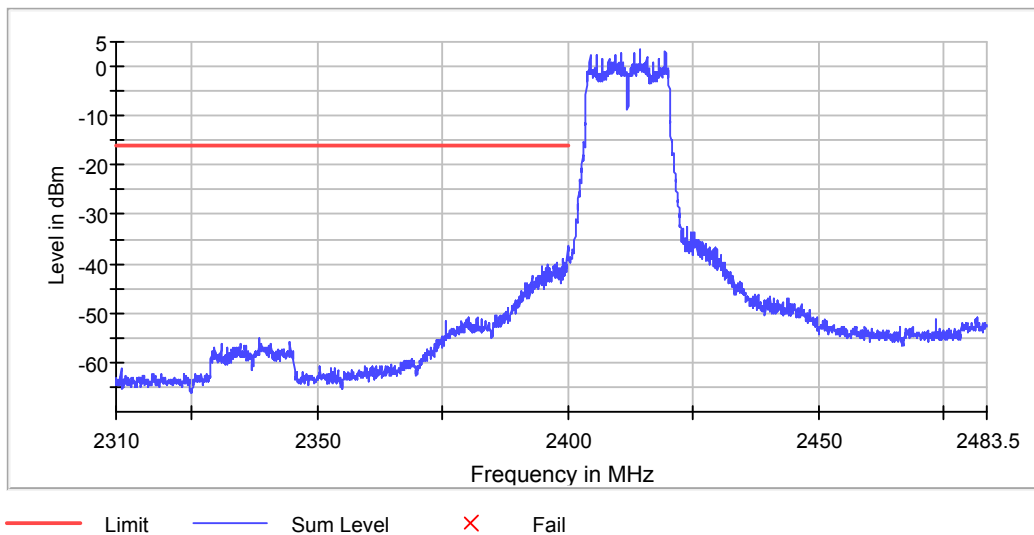
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2414.466338     | 3.5         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2399.125486     | -39.1       | -23.1       | -16.0       | PASS   |
| 2399.075514     | -39.2       | -23.2       | -16.0       | PASS   |
| 2399.025541     | -39.4       | -23.4       | -16.0       | PASS   |
| 2399.925042     | -39.4       | -23.4       | -16.0       | PASS   |
| 2399.175458     | -39.6       | -23.6       | -16.0       | PASS   |
| 2397.926152     | -39.7       | -23.7       | -16.0       | PASS   |
| 2399.425319     | -39.9       | -23.9       | -16.0       | PASS   |
| 2397.876180     | -40.0       | -24.0       | -16.0       | PASS   |
| 2399.225430     | -40.0       | -24.0       | -16.0       | PASS   |
| 2397.526374     | -40.1       | -24.1       | -16.0       | PASS   |
| 2399.825097     | -40.1       | -24.1       | -16.0       | PASS   |
| 2397.576346     | -40.2       | -24.2       | -16.0       | PASS   |
| 2396.077179     | -40.3       | -24.3       | -16.0       | PASS   |
| 2396.027207     | -40.3       | -24.3       | -16.0       | PASS   |
| 2399.375347     | -40.3       | -24.3       | -16.0       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s  | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 30 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | 0.000 dBm        | -10.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 19 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.35 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 G mode

Band Edge high (2462 MHz; 0.000 dBm; 20 MHz)

### Result

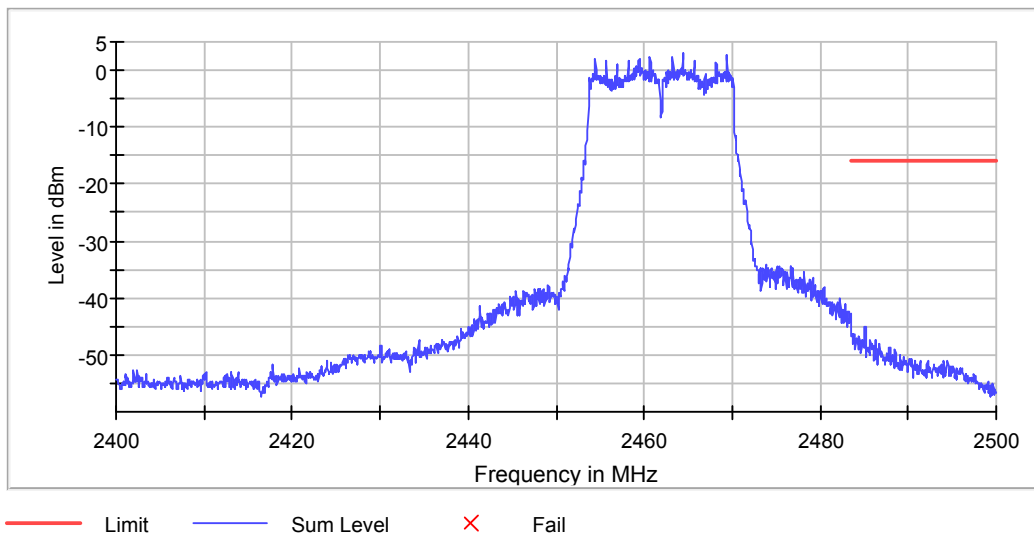
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2464.436415     | 2.9         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2485.120091     | -45.2       | -29.4       | -15.8       | PASS   |
| 2485.070242     | -45.2       | -29.4       | -15.8       | PASS   |
| 2483.824018     | -46.3       | -30.5       | -15.8       | PASS   |
| 2483.873867     | -46.3       | -30.5       | -15.8       | PASS   |
| 2483.674471     | -46.4       | -30.6       | -15.8       | PASS   |
| 2483.624622     | -46.6       | -30.8       | -15.8       | PASS   |
| 2483.574773     | -46.7       | -30.9       | -15.8       | PASS   |
| 2483.724320     | -46.8       | -31.0       | -15.8       | PASS   |
| 2484.422205     | -46.8       | -31.0       | -15.8       | PASS   |
| 2484.472054     | -46.8       | -31.0       | -15.8       | PASS   |
| 2483.524924     | -46.9       | -31.1       | -15.8       | PASS   |
| 2485.169940     | -46.9       | -31.1       | -15.8       | PASS   |
| 2485.020393     | -47.0       | -31.2       | -15.8       | PASS   |
| 2484.172961     | -47.0       | -31.2       | -15.8       | PASS   |
| 2484.222810     | -47.1       | -31.3       | -15.8       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | 0.000 dBm        | -10.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 35 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.23 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 10 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |



## TEST REPORT

### Ant 2 G mode

Band Edge low (2412 MHz; 0.000 dBm; 20 MHz)

### Result

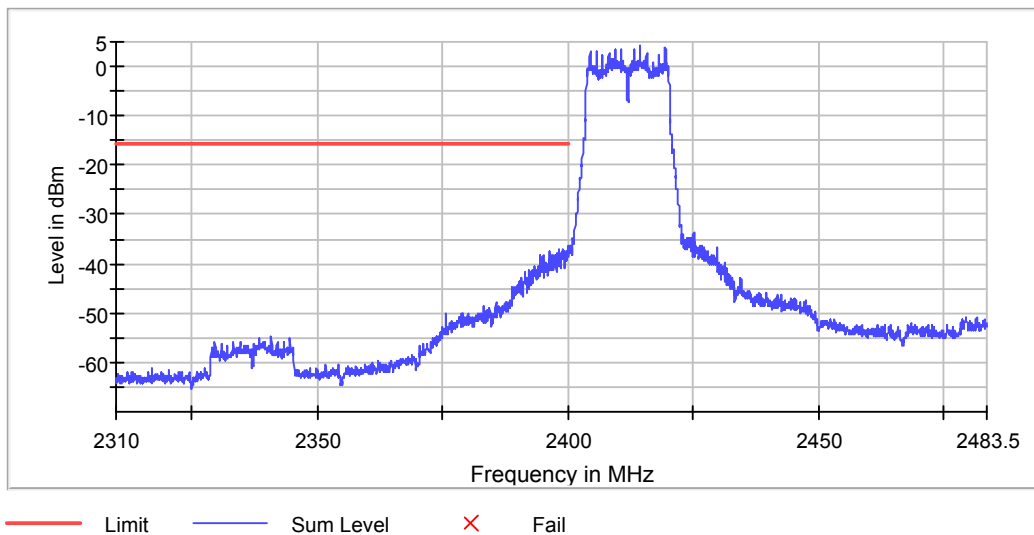
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2414.466338     | 4.1         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2399.075514     | -37.2       | -21.5       | -15.7       | PASS   |
| 2398.176013     | -37.3       | -21.6       | -15.7       | PASS   |
| 2399.425319     | -37.4       | -21.7       | -15.7       | PASS   |
| 2399.025541     | -37.4       | -21.7       | -15.7       | PASS   |
| 2398.225986     | -37.4       | -21.7       | -15.7       | PASS   |
| 2399.675180     | -37.4       | -21.7       | -15.7       | PASS   |
| 2399.825097     | -37.5       | -21.8       | -15.7       | PASS   |
| 2396.327041     | -37.5       | -21.8       | -15.7       | PASS   |
| 2398.825652     | -37.6       | -21.9       | -15.7       | PASS   |
| 2399.775125     | -37.6       | -21.9       | -15.7       | PASS   |
| 2396.277068     | -37.7       | -22.0       | -15.7       | PASS   |
| 2399.125486     | -37.9       | -22.2       | -15.7       | PASS   |
| 2397.926152     | -37.9       | -22.2       | -15.7       | PASS   |
| 2399.475292     | -37.9       | -22.2       | -15.7       | PASS   |
| 2398.775680     | -37.9       | -22.2       | -15.7       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s  | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 90 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.21 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | 0.000 dBm        | -10.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 27 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.36 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 G mode

Band Edge high (2462 MHz; 0.000 dBm; 20 MHz)

### Result

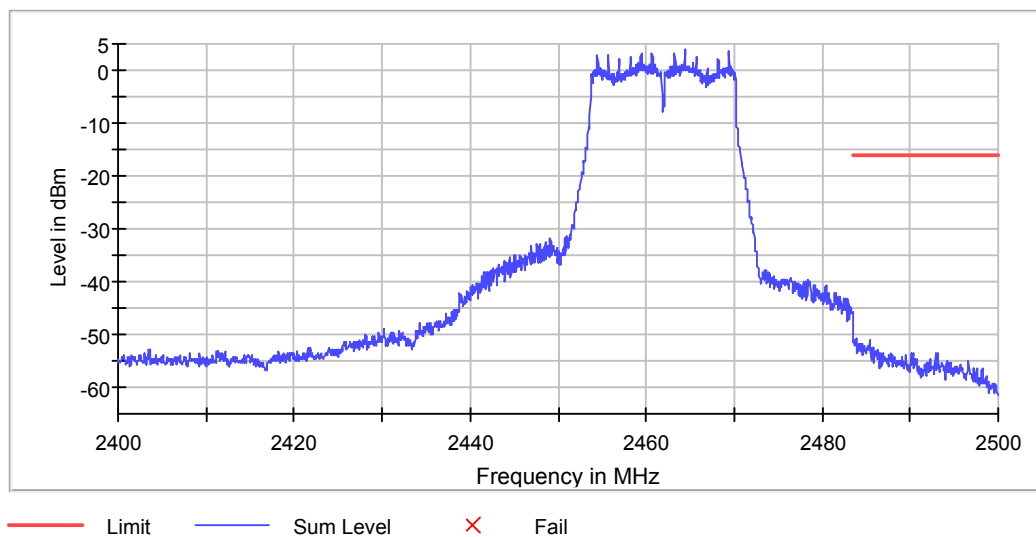
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2464.436415     | 3.9         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2483.873867     | -50.7       | -34.8       | -15.9       | PASS   |
| 2483.923716     | -50.9       | -35.0       | -15.9       | PASS   |
| 2483.824018     | -51.1       | -35.2       | -15.9       | PASS   |
| 2483.774169     | -51.2       | -35.3       | -15.9       | PASS   |
| 2485.419184     | -51.2       | -35.3       | -15.9       | PASS   |
| 2483.574773     | -51.2       | -35.3       | -15.9       | PASS   |
| 2485.369335     | -51.3       | -35.4       | -15.9       | PASS   |
| 2483.524924     | -51.3       | -35.4       | -15.9       | PASS   |
| 2484.172961     | -51.7       | -35.8       | -15.9       | PASS   |
| 2484.521903     | -51.8       | -35.9       | -15.9       | PASS   |
| 2485.469033     | -51.8       | -35.9       | -15.9       | PASS   |
| 2484.123112     | -51.8       | -35.9       | -15.9       | PASS   |
| 2484.472054     | -51.9       | -36.0       | -15.9       | PASS   |
| 2484.771148     | -52.0       | -36.1       | -15.9       | PASS   |
| 2484.820997     | -52.0       | -36.1       | -15.9       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | 0.000 dBm        | -10.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 28 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.40 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 NHT20

Band Edge low (2412 MHz; 0.000 dBm; 20 MHz)

### Result

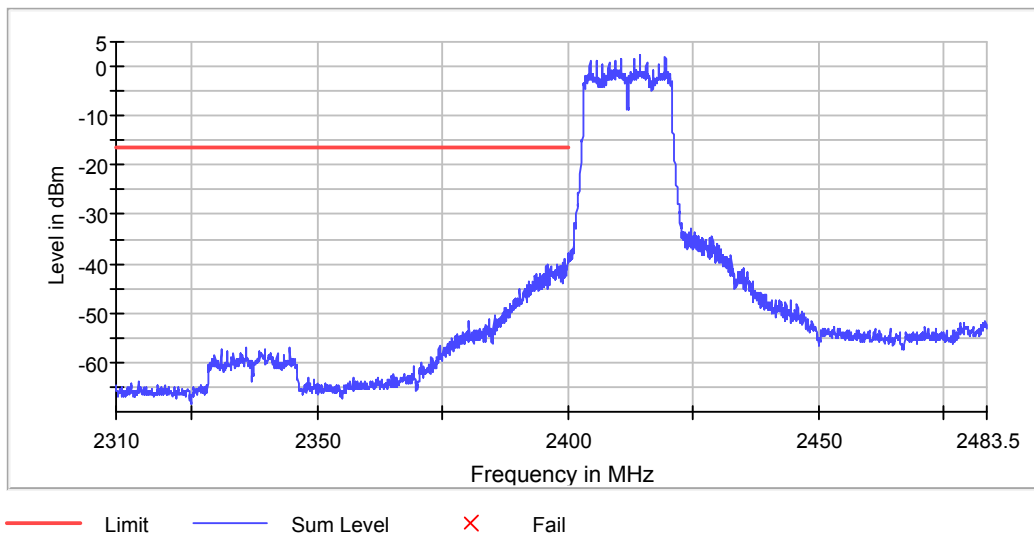
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2414.466338     | 2.2         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2399.425319     | -38.9       | -22.3       | -16.5       | PASS   |
| 2399.375347     | -39.1       | -22.6       | -16.5       | PASS   |
| 2399.125486     | -39.6       | -23.1       | -16.5       | PASS   |
| 2399.175458     | -39.6       | -23.1       | -16.5       | PASS   |
| 2399.475292     | -40.2       | -23.6       | -16.5       | PASS   |
| 2396.027207     | -40.2       | -23.7       | -16.5       | PASS   |
| 2397.926152     | -40.3       | -23.8       | -16.5       | PASS   |
| 2395.977235     | -40.4       | -23.9       | -16.5       | PASS   |
| 2398.475847     | -40.5       | -23.9       | -16.5       | PASS   |
| 2399.725153     | -40.5       | -24.0       | -16.5       | PASS   |
| 2397.876180     | -40.5       | -24.0       | -16.5       | PASS   |
| 2398.775680     | -40.5       | -24.0       | -16.5       | PASS   |
| 2398.425875     | -40.6       | -24.0       | -16.5       | PASS   |
| 2396.576902     | -40.6       | -24.1       | -16.5       | PASS   |
| 2398.825652     | -40.6       | -24.1       | -16.5       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s  | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 35 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | 0.000 dBm        | -10.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 31 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.25 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 NHT20

Band Edge high (2462 MHz; 0.000 dBm; 20 MHz)

### Result

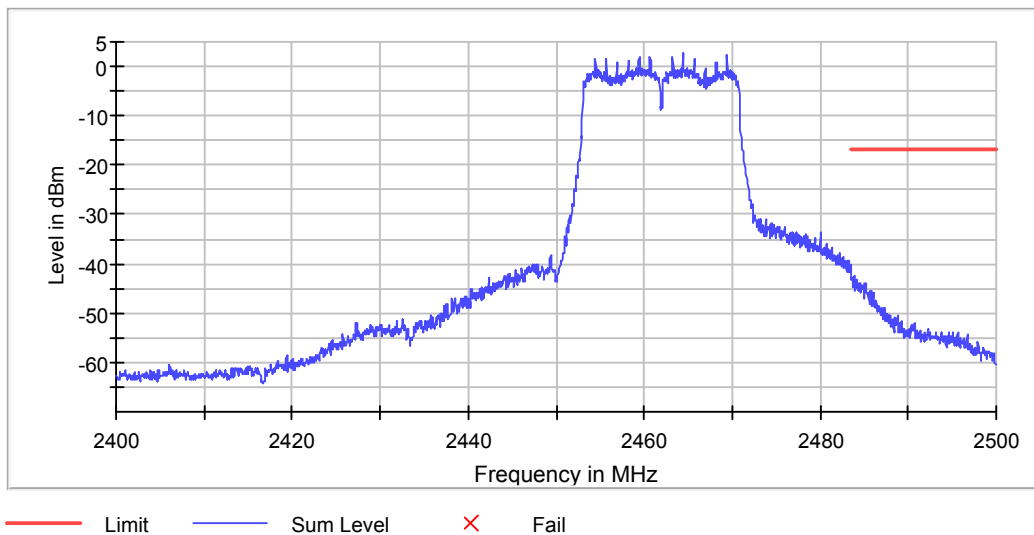
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2464.436415     | 2.6         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2483.873867     | -42.3       | -25.5       | -16.8       | PASS   |
| 2483.824018     | -42.9       | -26.1       | -16.8       | PASS   |
| 2483.574773     | -43.0       | -26.2       | -16.8       | PASS   |
| 2483.524924     | -43.1       | -26.3       | -16.8       | PASS   |
| 2483.624622     | -43.2       | -26.4       | -16.8       | PASS   |
| 2484.123112     | -43.2       | -26.4       | -16.8       | PASS   |
| 2483.923716     | -43.3       | -26.5       | -16.8       | PASS   |
| 2484.073263     | -43.7       | -26.9       | -16.8       | PASS   |
| 2484.472054     | -43.8       | -27.0       | -16.8       | PASS   |
| 2484.521903     | -43.9       | -27.1       | -16.8       | PASS   |
| 2483.774169     | -44.0       | -27.2       | -16.8       | PASS   |
| 2485.070242     | -44.0       | -27.2       | -16.8       | PASS   |
| 2484.172961     | -44.0       | -27.2       | -16.8       | PASS   |
| 2485.120091     | -44.2       | -27.4       | -16.8       | PASS   |
| 2483.973565     | -44.3       | -27.5       | -16.8       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 36 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.42 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 17 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.46 dB          | 0.50 dB        |



## TEST REPORT

### Ant 2 NHT 20

Band Edge low (2412 MHz; 0.000 dBm; 20 MHz)

### Result

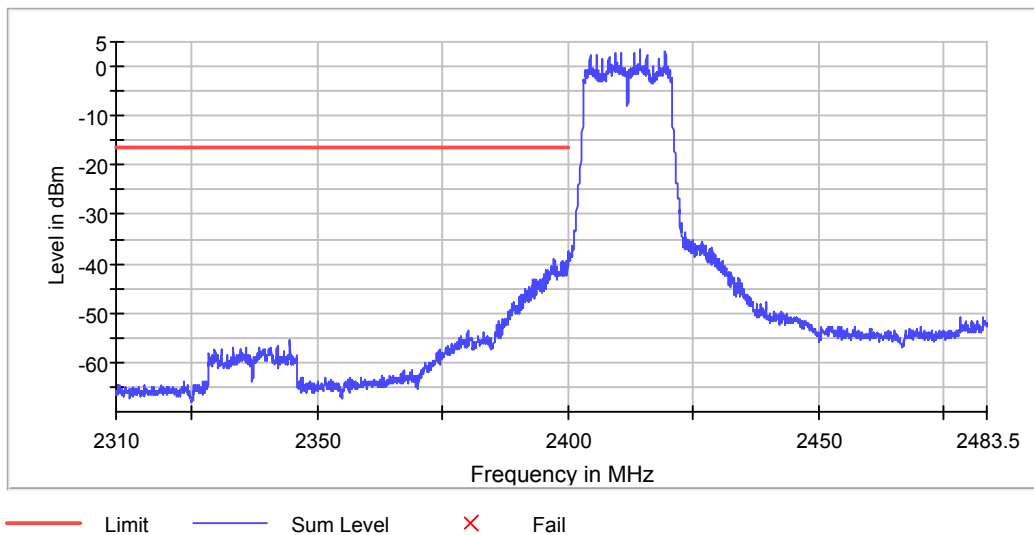
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2412.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2414.466338     | 3.4         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2397.276513     | -39.0       | -22.7       | -16.3       | PASS   |
| 2399.675180     | -39.3       | -23.0       | -16.3       | PASS   |
| 2397.326485     | -39.4       | -23.1       | -16.3       | PASS   |
| 2398.825652     | -39.5       | -23.2       | -16.3       | PASS   |
| 2398.875625     | -39.5       | -23.2       | -16.3       | PASS   |
| 2399.625208     | -39.5       | -23.2       | -16.3       | PASS   |
| 2397.226541     | -39.5       | -23.2       | -16.3       | PASS   |
| 2398.775680     | -39.8       | -23.5       | -16.3       | PASS   |
| 2399.325375     | -39.9       | -23.6       | -16.3       | PASS   |
| 2398.925597     | -40.0       | -23.7       | -16.3       | PASS   |
| 2399.375347     | -40.1       | -23.8       | -16.3       | PASS   |
| 2399.275403     | -40.2       | -23.9       | -16.3       | PASS   |
| 2399.425319     | -40.3       | -24.0       | -16.3       | PASS   |
| 2399.725153     | -40.4       | -24.1       | -16.3       | PASS   |
| 2399.775125     | -40.4       | -24.1       | -16.3       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s  | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 27 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.30 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | 0.000 dBm        | -10.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 35 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.48 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 NHT 20

Band Edge high (2462 MHz; 0.000 dBm; 20 MHz)

### Result

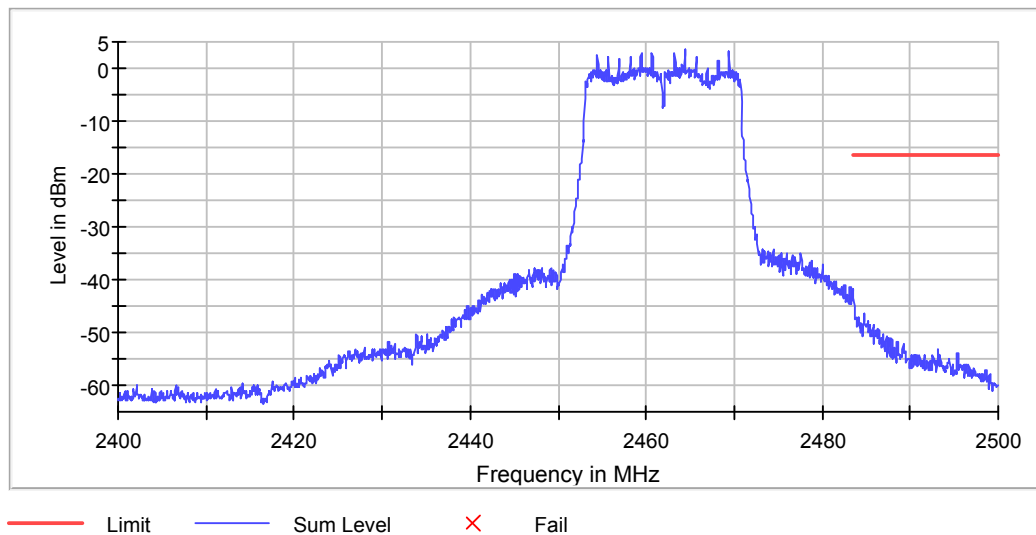
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2462.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2464.436415     | 3.5         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2483.574773     | -43.7       | -27.4       | -16.3       | PASS   |
| 2483.524924     | -43.8       | -27.5       | -16.3       | PASS   |
| 2483.624622     | -45.0       | -28.7       | -16.3       | PASS   |
| 2484.771148     | -46.3       | -30.0       | -16.3       | PASS   |
| 2484.820997     | -46.6       | -30.3       | -16.3       | PASS   |
| 2483.873867     | -47.2       | -30.9       | -16.3       | PASS   |
| 2484.123112     | -47.2       | -30.9       | -16.3       | PASS   |
| 2484.172961     | -47.4       | -31.1       | -16.3       | PASS   |
| 2483.824018     | -47.4       | -31.1       | -16.3       | PASS   |
| 2483.674471     | -47.6       | -31.3       | -16.3       | PASS   |
| 2483.724320     | -47.6       | -31.3       | -16.3       | PASS   |
| 2483.774169     | -47.6       | -31.3       | -16.3       | PASS   |
| 2484.721299     | -47.7       | -31.4       | -16.3       | PASS   |
| 2483.923716     | -47.8       | -31.5       | -16.3       | PASS   |
| 2484.073263     | -47.8       | -31.5       | -16.3       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 48 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.42 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 8 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 NHT40

Band Edge low (2422 MHz; 0.000 dBm; 40 MHz)

### Result

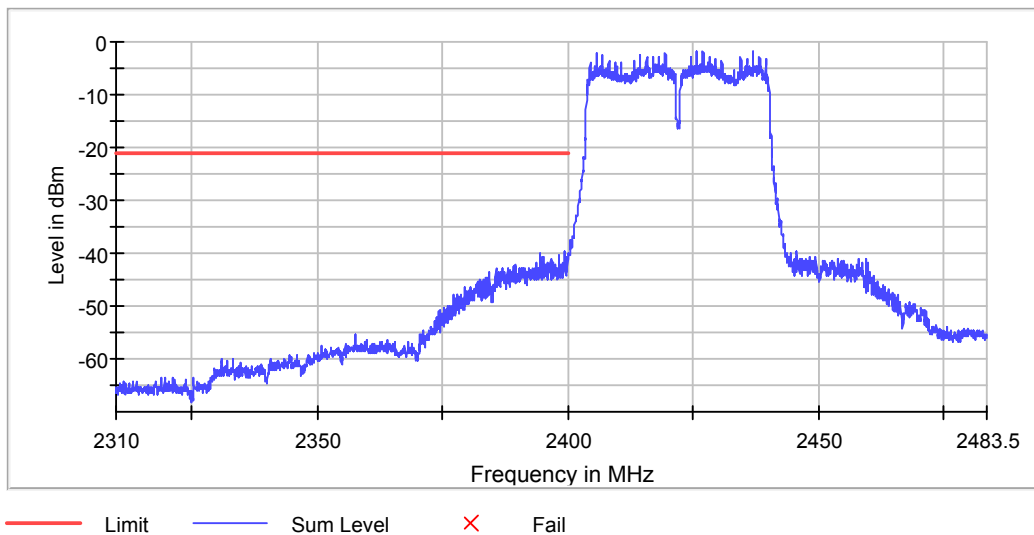
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2426.958857     | -1.6        |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2399.425319     | -39.8       | -18.9       | -20.9       | PASS   |
| 2394.428096     | -40.1       | -19.2       | -20.9       | PASS   |
| 2398.176013     | -40.3       | -19.4       | -20.9       | PASS   |
| 2399.375347     | -40.3       | -19.4       | -20.9       | PASS   |
| 2398.225986     | -40.4       | -19.5       | -20.9       | PASS   |
| 2399.475292     | -40.4       | -19.5       | -20.9       | PASS   |
| 2394.478068     | -40.5       | -19.6       | -20.9       | PASS   |
| 2399.725153     | -40.7       | -19.8       | -20.9       | PASS   |
| 2395.027762     | -40.7       | -19.8       | -20.9       | PASS   |
| 2399.775125     | -40.8       | -19.9       | -20.9       | PASS   |
| 2395.077735     | -40.9       | -20.0       | -20.9       | PASS   |
| 2394.378123     | -41.0       | -20.1       | -20.9       | PASS   |
| 2396.576902     | -41.1       | -20.2       | -20.9       | PASS   |
| 2396.626874     | -41.2       | -20.3       | -20.9       | PASS   |
| 2396.926707     | -41.5       | -20.6       | -20.9       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s  | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 52 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.18 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 60 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.46 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 NHT40

Band Edge high (2452 MHz; 0.000 dBm; 40 MHz)

### Result

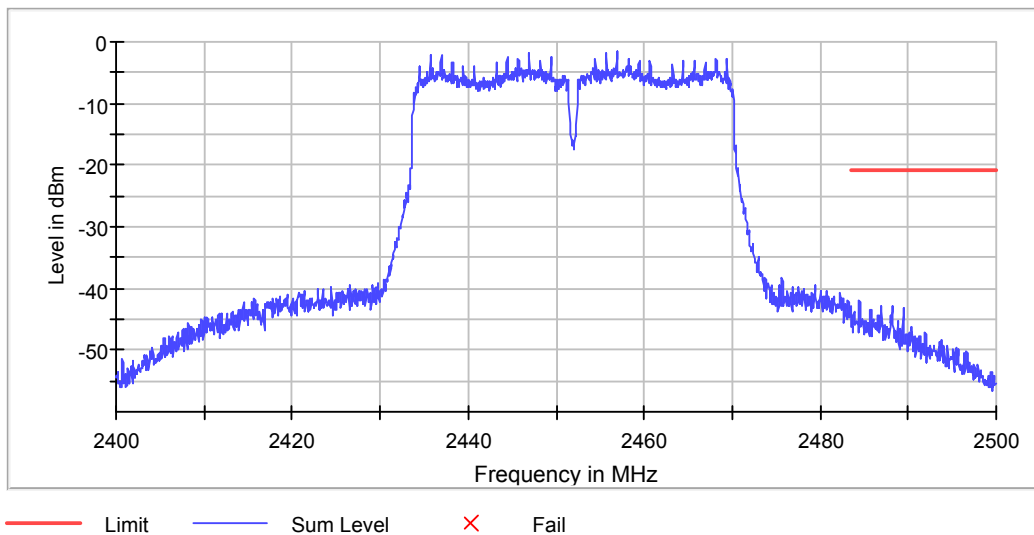
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2456.940904     | -1.7        |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2484.472054     | -41.8       | -21.0       | -20.8       | PASS   |
| 2484.521903     | -42.3       | -21.5       | -20.8       | PASS   |
| 2484.422205     | -42.7       | -21.9       | -20.8       | PASS   |
| 2486.964502     | -43.0       | -22.2       | -20.8       | PASS   |
| 2488.210725     | -43.0       | -22.2       | -20.8       | PASS   |
| 2489.456949     | -43.1       | -22.3       | -20.8       | PASS   |
| 2488.260574     | -43.3       | -22.5       | -20.8       | PASS   |
| 2485.718278     | -43.3       | -22.5       | -20.8       | PASS   |
| 2485.768127     | -43.5       | -22.7       | -20.8       | PASS   |
| 2489.506798     | -43.6       | -22.8       | -20.8       | PASS   |
| 2486.914653     | -43.7       | -22.9       | -20.8       | PASS   |
| 2487.014350     | -43.7       | -22.9       | -20.8       | PASS   |
| 2488.160876     | -43.8       | -23.0       | -20.8       | PASS   |
| 2483.873867     | -43.8       | -23.0       | -20.8       | PASS   |
| 2483.824018     | -44.3       | -23.5       | -20.8       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 53 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.42 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamplifier          | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 10 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |



## TEST REPORT

### Ant 2 NHT 40

Band Edge low (2422 MHz; 0.000 dBm; 40 MHz)

### Result

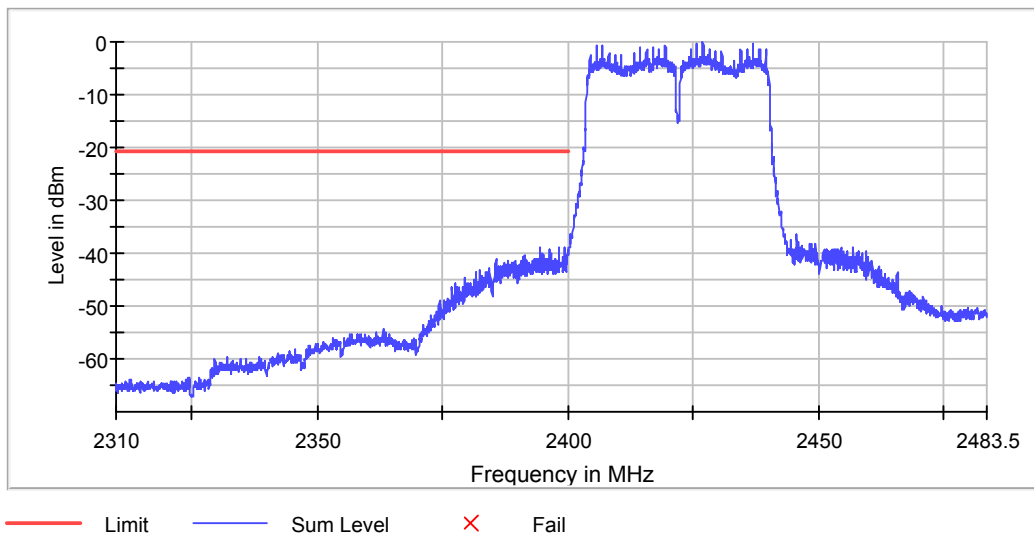
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2422.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2426.958857     | -0.1        |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2399.425319     | -38.8       | -18.2       | -20.6       | PASS   |
| 2398.176013     | -38.9       | -18.3       | -20.6       | PASS   |
| 2399.375347     | -38.9       | -18.3       | -20.6       | PASS   |
| 2398.225986     | -38.9       | -18.3       | -20.6       | PASS   |
| 2394.428096     | -39.1       | -18.5       | -20.6       | PASS   |
| 2396.327041     | -39.4       | -18.8       | -20.6       | PASS   |
| 2399.475292     | -39.6       | -19.0       | -20.6       | PASS   |
| 2394.478068     | -39.6       | -19.0       | -20.6       | PASS   |
| 2396.277068     | -39.7       | -19.1       | -20.6       | PASS   |
| 2394.378123     | -39.9       | -19.3       | -20.6       | PASS   |
| 2395.027762     | -40.0       | -19.4       | -20.6       | PASS   |
| 2396.576902     | -40.1       | -19.5       | -20.6       | PASS   |
| 2395.077735     | -40.2       | -19.6       | -20.6       | PASS   |
| 2399.725153     | -40.3       | -19.7       | -20.6       | PASS   |
| 2399.775125     | -40.4       | -19.8       | -20.6       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s  | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 52 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.31 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | 0.000 dBm        | -10.000 dBm    |
| Attenuation           | 20.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 48 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.41 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 NHT 40

Band Edge high (2452 MHz; 0.000 dBm; 40 MHz)

### Result

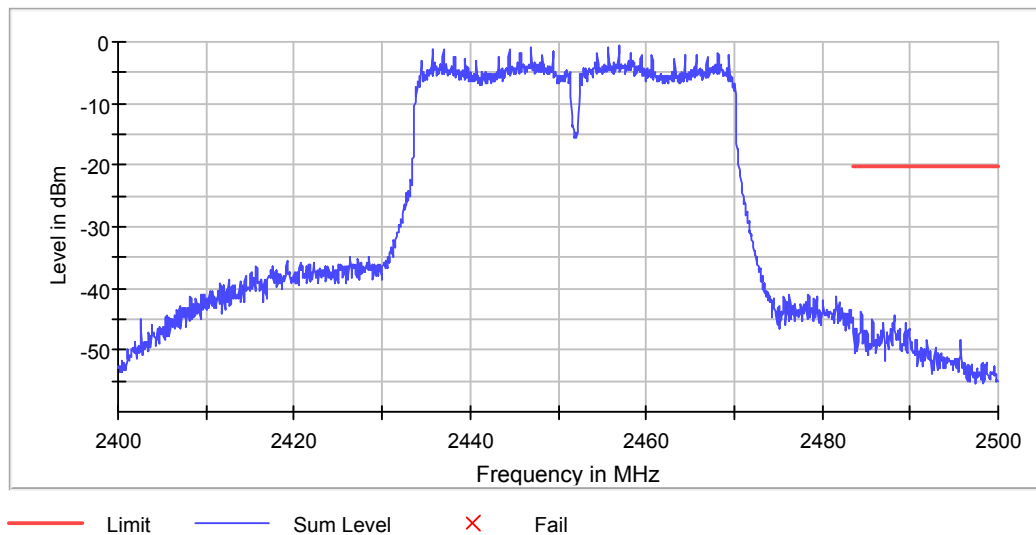
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2452.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2456.940904     | -0.8        |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2484.472054     | -43.7       | -23.4       | -20.3       | PASS   |
| 2488.210725     | -44.3       | -24.0       | -20.3       | PASS   |
| 2484.422205     | -44.3       | -24.0       | -20.3       | PASS   |
| 2484.521903     | -44.3       | -24.0       | -20.3       | PASS   |
| 2488.260574     | -44.4       | -24.1       | -20.3       | PASS   |
| 2485.718278     | -45.1       | -24.8       | -20.3       | PASS   |
| 2488.160876     | -45.3       | -25.0       | -20.3       | PASS   |
| 2485.768127     | -45.6       | -25.3       | -20.3       | PASS   |
| 2488.061178     | -45.7       | -25.4       | -20.3       | PASS   |
| 2489.456949     | -45.7       | -25.4       | -20.3       | PASS   |
| 2486.964502     | -45.8       | -25.5       | -20.3       | PASS   |
| 2485.668429     | -45.8       | -25.5       | -20.3       | PASS   |
| 2489.506798     | -46.1       | -25.8       | -20.3       | PASS   |
| 2488.111027     | -46.2       | -25.9       | -20.3       | PASS   |
| 2487.014350     | -46.2       | -25.9       | -20.3       | PASS   |



### Measurement 1

| Setting         | Instrument Value | Target Value   |
|-----------------|------------------|----------------|
| RBW             | 100.000 kHz      | <= 100.000 kHz |
| VBW             | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints     | 1670             | ~ 1670         |
| SweepTime       | 94.727 $\mu$ s   | AUTO           |
| Reference Level | -10.000 dBm      | -10.000 dBm    |
| Attenuation     | 10.000 dB        | AUTO           |

## TEST REPORT

|                       |               |          |
|-----------------------|---------------|----------|
| Detector              | MaxPeak       | MaxPeak  |
| SweepCount            | 100           | 100      |
| Filter                | 3 dB          | 3 dB     |
| Trace Mode            | Max Hold      | Max Hold |
| SweepType             | FFT           | AUTO     |
| Preamp                | off           | off      |
| Stablemode            | Trace         | Trace    |
| Stablevalue           | 0.50 dB       | 0.50 dB  |
| Run                   | 54 / max. 150 | max. 150 |
| Stable                | 3 / 3         | 3        |
| Max Stable Difference | 0.36 dB       | 0.50 dB  |

## Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 4 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 BLE

#### Band Edge low (2402 MHz; 0 (0 dBm); 2 MHz)

### Result

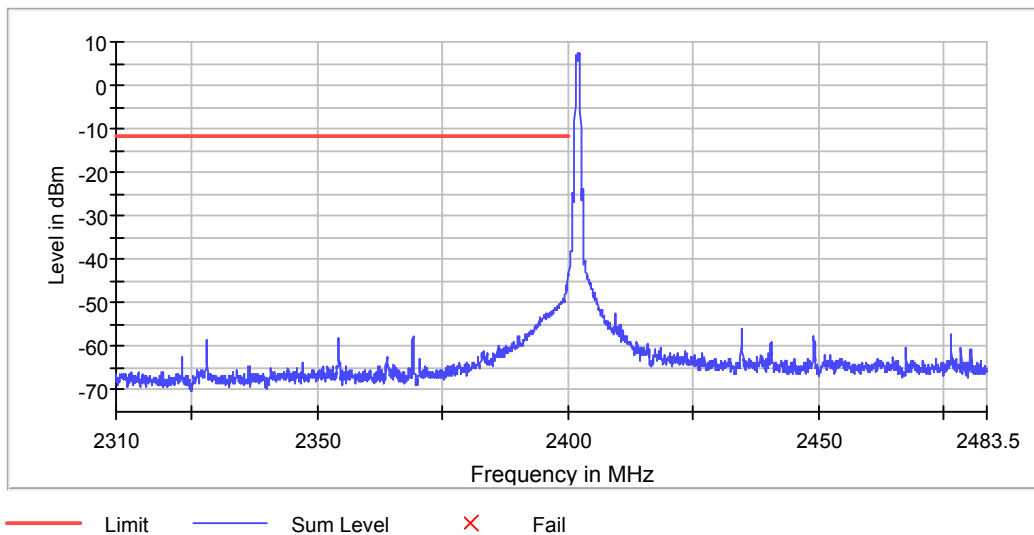
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2401.973818     | 7.4         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2399.725153     | -46.0       | -34.2       | -11.8       | PASS   |
| 2399.675180     | -46.1       | -34.3       | -11.8       | PASS   |
| 2399.925042     | -46.2       | -34.4       | -11.8       | PASS   |
| 2399.775125     | -46.3       | -34.5       | -11.8       | PASS   |
| 2399.625208     | -46.8       | -35.0       | -11.8       | PASS   |
| 2399.825097     | -47.1       | -35.3       | -11.8       | PASS   |
| 2399.875069     | -47.1       | -35.3       | -11.8       | PASS   |
| 2399.575236     | -47.8       | -36.0       | -11.8       | PASS   |
| 2399.425319     | -48.1       | -36.3       | -11.8       | PASS   |
| 2399.475292     | -48.1       | -36.3       | -11.8       | PASS   |
| 2399.375347     | -48.1       | -36.3       | -11.8       | PASS   |
| 2399.525264     | -48.2       | -36.4       | -11.8       | PASS   |
| 2399.175458     | -49.1       | -37.3       | -11.8       | PASS   |
| 2399.125486     | -49.1       | -37.3       | -11.8       | PASS   |
| 2399.325375     | -49.2       | -37.4       | -11.8       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1800             | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s  | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 7 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 6 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.01 dB          | 0.50 dB        |

## TEST REPORT

### Ant 1 BLE

Band Edge high (2480 MHz; 0 (0 dBm); 2 MHz)

### Result

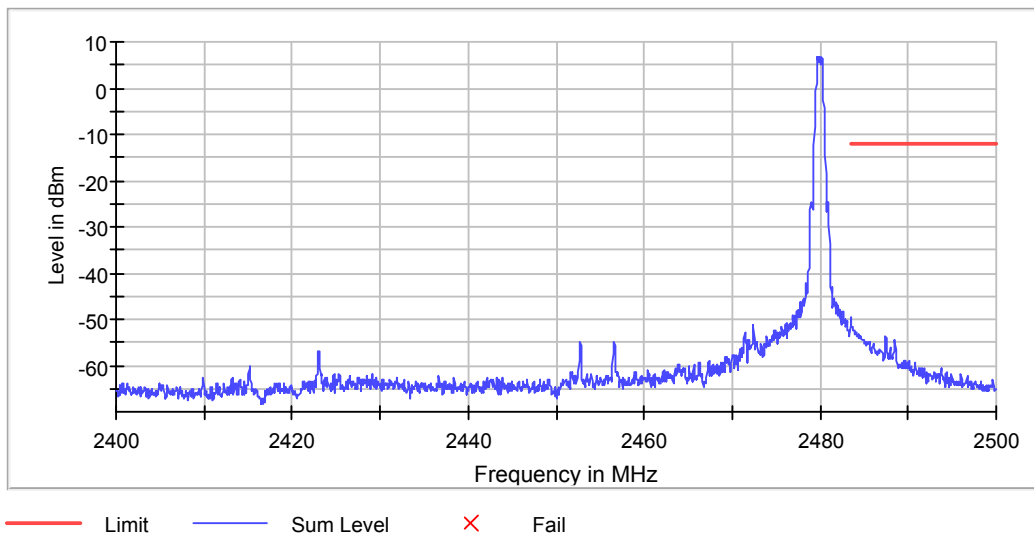
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2479.927139     | 6.9         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2483.524924     | -51.5       | -39.4       | -12.1       | PASS   |
| 2483.574773     | -51.7       | -39.6       | -12.1       | PASS   |
| 2483.624622     | -51.8       | -39.7       | -12.1       | PASS   |
| 2483.674471     | -52.1       | -40.0       | -12.1       | PASS   |
| 2483.724320     | -52.3       | -40.2       | -12.1       | PASS   |
| 2483.824018     | -52.4       | -40.3       | -12.1       | PASS   |
| 2483.774169     | -52.4       | -40.3       | -12.1       | PASS   |
| 2483.873867     | -52.5       | -40.4       | -12.1       | PASS   |
| 2484.023414     | -52.8       | -40.7       | -12.1       | PASS   |
| 2484.073263     | -52.9       | -40.8       | -12.1       | PASS   |
| 2483.973565     | -53.0       | -40.9       | -12.1       | PASS   |
| 2483.923716     | -53.1       | -41.0       | -12.1       | PASS   |
| 2484.123112     | -53.3       | -41.2       | -12.1       | PASS   |
| 2484.372356     | -53.4       | -41.3       | -12.1       | PASS   |
| 2484.322508     | -53.4       | -41.3       | -12.1       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 5 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.37 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 10 / max. 150    | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |



## TEST REPORT

### Ant 2 BLE Band Edge low (2402 MHz; 0 (0 dBm); 2 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

### Result

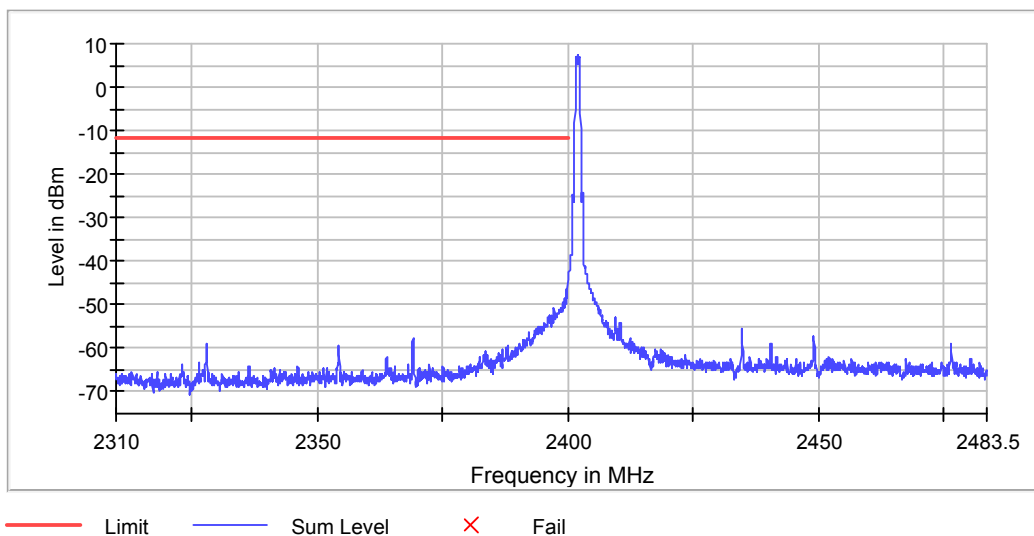
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2402.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2401.973818     | 7.3         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2399.725153     | -46.2       | 34.5        | -11.7       | PASS   |
| 2399.775125     | -46.3       | 34.6        | -11.7       | PASS   |
| 2399.675180     | -46.8       | 35.1        | -11.7       | PASS   |
| 2399.925042     | -47.1       | 35.4        | -11.7       | PASS   |
| 2399.825097     | -47.7       | 36.0        | -11.7       | PASS   |
| 2399.875069     | -48.4       | 36.7        | -11.7       | PASS   |
| 2399.625208     | -48.5       | 36.8        | -11.7       | PASS   |
| 2399.475292     | -48.7       | 37.0        | -11.7       | PASS   |
| 2399.425319     | -48.7       | 37.0        | -11.7       | PASS   |
| 2399.375347     | -49.2       | 37.5        | -11.7       | PASS   |
| 2399.175458     | -49.3       | 37.6        | -11.7       | PASS   |
| 2399.525264     | -49.3       | 37.6        | -11.7       | PASS   |
| 2399.225430     | -49.5       | 37.8        | -11.7       | PASS   |
| 2399.125486     | -49.6       | 37.9        | -11.7       | PASS   |
| 2398.975569     | -49.9       | 38.2        | -11.7       | PASS   |



### Measurement 1

| Setting | Instrument Value | Target Value   |
|---------|------------------|----------------|
| RBW     | 100.000 kHz      | <= 100.000 kHz |

## TEST REPORT

|                       |                 |                |
|-----------------------|-----------------|----------------|
| VBW                   | 300.000 kHz     | >= 300.000 kHz |
| SweepPoints           | 1800            | ~ 1800         |
| SweepTime             | 113.672 $\mu$ s | AUTO           |
| Reference Level       | -10.000 dBm     | -10.000 dBm    |
| Attenuation           | 10.000 dB       | AUTO           |
| Detector              | MaxPeak         | MaxPeak        |
| SweepCount            | 100             | 100            |
| Filter                | 3 dB            | 3 dB           |
| Trace Mode            | Max Hold        | Max Hold       |
| SweepType             | FFT             | AUTO           |
| Preamp                | off             | off            |
| Stablemode            | Trace           | Trace          |
| Stablevalue           | 0.50 dB         | 0.50 dB        |
| Run                   | 6 / max. 150    | max. 150       |
| Stable                | 3 / 3           | 3              |
| Max Stable Difference | 0.00 dB         | 0.50 dB        |

## Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 6 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.01 dB          | 0.50 dB        |

## TEST REPORT

### Ant 2 BLE

Band Edge high (2480 MHz; 0 (0 dBm); 2 MHz)

### Result

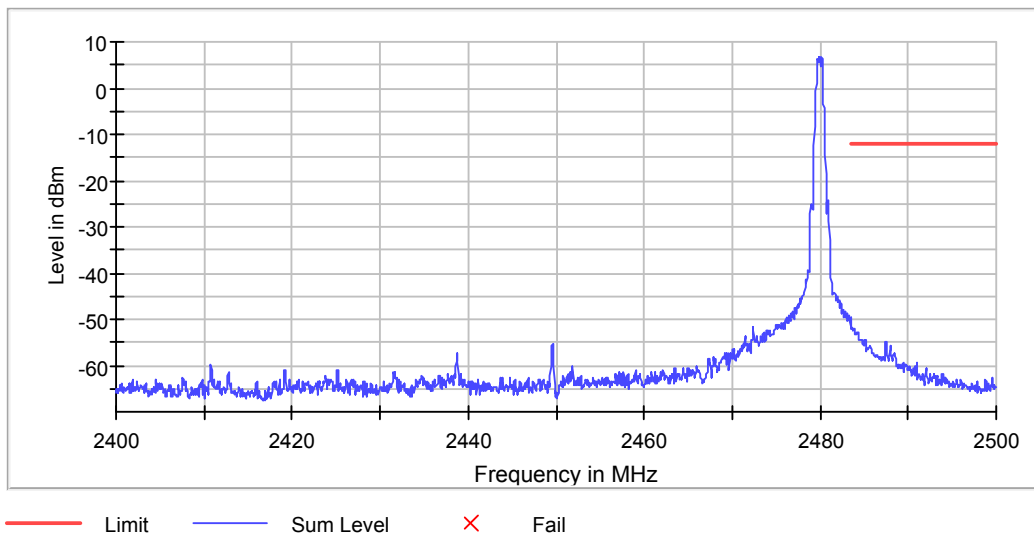
| DUT Frequency (MHz) | Result |
|---------------------|--------|
| 2480.000000         | PASS   |

### Inband Peak

| Frequency (MHz) | Level (dBm) |
|-----------------|-------------|
| 2479.927139     | 6.8         |

### Measurements

| Frequency (MHz) | Level (dBm) | Margin (dB) | Limit (dBm) | Result |
|-----------------|-------------|-------------|-------------|--------|
| 2483.574773     | -51.8       | -39.7       | -12.1       | PASS   |
| 2483.824018     | -51.9       | -39.8       | -12.1       | PASS   |
| 2483.524924     | -51.9       | -39.8       | -12.1       | PASS   |
| 2483.774169     | -51.9       | -39.8       | -12.1       | PASS   |
| 2483.624622     | -52.1       | -40.0       | -12.1       | PASS   |
| 2483.873867     | -52.2       | -40.1       | -12.1       | PASS   |
| 2483.674471     | -52.4       | -40.3       | -12.1       | PASS   |
| 2483.724320     | -52.5       | -40.4       | -12.1       | PASS   |
| 2484.222810     | -52.7       | -40.6       | -12.1       | PASS   |
| 2484.272659     | -52.8       | -40.7       | -12.1       | PASS   |
| 2483.923716     | -52.8       | -40.7       | -12.1       | PASS   |
| 2484.172961     | -53.0       | -40.9       | -12.1       | PASS   |
| 2484.322508     | -53.2       | -41.1       | -12.1       | PASS   |
| 2484.073263     | -53.2       | -41.1       | -12.1       | PASS   |
| 2484.123112     | -53.2       | -41.1       | -12.1       | PASS   |



## TEST REPORT

### Measurement 1

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 1670             | ~ 1670         |
| SweepTime             | 94.727 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 5 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.35 dB          | 0.50 dB        |

### Measurement 2

| Setting               | Instrument Value | Target Value   |
|-----------------------|------------------|----------------|
| RBW                   | 100.000 kHz      | <= 100.000 kHz |
| VBW                   | 300.000 kHz      | >= 300.000 kHz |
| SweepPoints           | 330              | ~ 330          |
| SweepTime             | 18.945 $\mu$ s   | AUTO           |
| Reference Level       | -10.000 dBm      | -10.000 dBm    |
| Attenuation           | 10.000 dB        | AUTO           |
| Detector              | MaxPeak          | MaxPeak        |
| SweepCount            | 100              | 100            |
| Filter                | 3 dB             | 3 dB           |
| Trace Mode            | Max Hold         | Max Hold       |
| SweepType             | FFT              | AUTO           |
| Preamp                | off              | off            |
| Stablemode            | Trace            | Trace          |
| Stablevalue           | 0.50 dB          | 0.50 dB        |
| Run                   | 8 / max. 150     | max. 150       |
| Stable                | 3 / 3            | 3              |
| Max Stable Difference | 0.00 dB          | 0.50 dB        |

## TEST REPORT

### 4.5 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

$$FS = RA + AF + CF - AG + PD + AV$$

Where FS = Field Strength in dBμV/m

RA = Receiver Amplitude (including preamplifier) in dBμV

CF = Cable Attenuation Factor in dB

AF = Antenna Factor in dB

AG = Amplifier Gain in dB

PD = Pulse Desensitization in dB

AV = Average Factor in -dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

$$FS = RA + AF + CF - AG + PD + AV$$

#### Example

Assume a receiver reading of 62.0 dBμV is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29.0 dB is subtracted. The pulse desensitization factor of the spectrum analyzer is 0.0 dB, and the resultant average factor is -10.0 dB. The net field strength for comparison to the appropriate emission limit is 32.0 dBμV/m. This value in dBμV/m is converted to its corresponding level in μV/m.

$$RA = 62.0 \text{ dB}\mu\text{V}$$

$$AF = 7.4 \text{ dB}$$

$$CF = 1.6 \text{ dB}$$

$$AG = 29.0 \text{ dB}$$

$$PD = 0.0 \text{ dB}$$

$$AV = -10 \text{ dB}$$

$$FS = 62.0 + 7.4 + 1.6 - 29.0 + 0.0 + (-10.0) = 32.0 \text{ dB}\mu\text{V/m}$$

$$\text{Level in } \mu\text{V/m} = \text{Common Antilogarithm } [(32.0 \text{ dB}\mu\text{V/m})/20] = 39.8 \mu\text{V/m}$$

## TEST REPORT

### 4.6 Transmitter Radiated Emissions in Restricted Bands and Spurious Emissions

Data is included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included.

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

#### 4.6.1 Radiated Emission Configuration Photograph

Worst Case Restricted Band Radiated Emission  
at

12200MHz

The worst case radiated emission configuration photographs are saved with filename: config photos.pdf

#### 4.6.2 Radiated Emission Data

The data in tables 1-31 list the significant emission frequencies, the limit and the margin of compliance.

Judgement -

Passed by 0.2 dB margin

## TEST REPORT

### RADIATED EMISSION DATA

Antenna 1  
Mode: TX-Channel 01

Table 1  
IEEE 802.11b (DSSS, 1 Mbps)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB) |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|-------------|
| <b>H</b>     | <b>4824.000</b>  | <b>44.1</b>    | <b>33</b>         | <b>34.9</b>         | <b>46.0</b>        | <b>54.0</b>                  | <b>-8.0</b> |
| <b>H</b>     | <b>12060.000</b> | <b>42.6</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.1</b>        | <b>54.0</b>                  | <b>-3.9</b> |
| <b>H</b>     | <b>14472.000</b> | <b>45.2</b>    | <b>33</b>         | <b>40.0</b>         | <b>52.2</b>        | <b>54.0</b>                  | <b>-1.8</b> |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4824.000</b>  | <b>44.1</b>    | <b>33</b>         | <b>34.9</b>         | <b>46.0</b>               | <b>74.0</b>               | <b>-28.0</b> |
| <b>H</b>     | <b>12060.000</b> | <b>42.6</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.1</b>               | <b>74.0</b>               | <b>-23.9</b> |
| <b>H</b>     | <b>14472.000</b> | <b>45.2</b>    | <b>33</b>         | <b>40.0</b>         | <b>52.2</b>               | <b>74.0</b>               | <b>-21.8</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: TX-Channel 06

Table 2  
IEEE 802.11b (DSSS, 1 Mbps)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB) |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|-------------|
| <b>H</b>     | <b>4874.000</b>  | <b>44.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>46.8</b>        | <b>54.0</b>                  | <b>-7.2</b> |
| <b>H</b>     | <b>7311.000</b>  | <b>43.0</b>    | <b>33</b>         | <b>37.9</b>         | <b>47.9</b>        | <b>54.0</b>                  | <b>-6.1</b> |
| <b>H</b>     | <b>12185.000</b> | <b>42.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.4</b>        | <b>54.0</b>                  | <b>-3.6</b> |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>44.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>46.8</b>               | <b>74.0</b>               | <b>-27.2</b> |
| <b>H</b>     | <b>7311.000</b>  | <b>43.0</b>    | <b>33</b>         | <b>37.9</b>         | <b>47.9</b>               | <b>74.0</b>               | <b>-26.1</b> |
| <b>H</b>     | <b>12185.000</b> | <b>42.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.4</b>               | <b>74.0</b>               | <b>-23.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.



## TEST REPORT

Antenna 1  
Mode: TX-Channel 11

Table 3  
IEEE 802.11b (DSSS, 1 Mbps)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB) |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|-------------|
| <b>H</b>     | <b>4924.000</b>  | <b>44.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>46.8</b>        | <b>54.0</b>                  | <b>-7.2</b> |
| <b>H</b>     | <b>7386.000</b>  | <b>43.3</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.2</b>        | <b>54.0</b>                  | <b>-5.8</b> |
| <b>H</b>     | <b>12310.000</b> | <b>42.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.4</b>        | <b>54.0</b>                  | <b>-3.6</b> |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4924.000</b>  | <b>44.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>46.8</b>               | <b>74.0</b>               | <b>-27.2</b> |
| <b>H</b>     | <b>7386.000</b>  | <b>43.3</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.2</b>               | <b>74.0</b>               | <b>-25.8</b> |
| <b>H</b>     | <b>12310.000</b> | <b>42.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.4</b>               | <b>74.0</b>               | <b>-23.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: TX-Channel 01

Table 4  
IEEE 802.11g (OFDM, 6 Mbps)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>V</b>     | <b>4824.000</b>  | <b>39.3</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.2</b>        | <b>54.0</b>                  | <b>-12.8</b> |
| <b>H</b>     | <b>12060.000</b> | <b>44.7</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.2</b>        | <b>54.0</b>                  | <b>-1.8</b>  |
| <b>H</b>     | <b>14472.000</b> | <b>46.3</b>    | <b>33</b>         | <b>40.0</b>         | <b>53.3</b>        | <b>54.0</b>                  | <b>-0.7</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>V</b>     | <b>4824.000</b>  | <b>39.3</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.2</b>               | <b>74.0</b>               | <b>-32.8</b> |
| <b>H</b>     | <b>12060.000</b> | <b>44.7</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.2</b>               | <b>74.0</b>               | <b>-21.8</b> |
| <b>H</b>     | <b>14472.000</b> | <b>46.3</b>    | <b>33</b>         | <b>40.0</b>         | <b>53.3</b>               | <b>74.0</b>               | <b>-20.7</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: TX-Channel 06

Table 5  
IEEE 802.11g (OFDM, 6 Mbps)

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)        |
|-----------------|-------------------------|--------------------|-------------------|---------------------|--------------------|------------------------------|--------------------|
| <b><i>V</i></b> | <b><i>4874.000</i></b>  | <b><i>50.5</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>52.4</i></b> | <b><i>54.0</i></b>           | <b><i>-1.6</i></b> |
| <b><i>H</i></b> | <b><i>7311.000</i></b>  | <b><i>45.8</i></b> | <b><i>33</i></b>  | <b><i>37.9</i></b>  | <b><i>50.7</i></b> | <b><i>54.0</i></b>           | <b><i>-3.3</i></b> |
| <b><i>H</i></b> | <b><i>12185.000</i></b> | <b><i>44.0</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>51.5</i></b> | <b><i>54.0</i></b>           | <b><i>-2.5</i></b> |

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)         |
|-----------------|-------------------------|--------------------|-------------------|---------------------|---------------------------|---------------------------|---------------------|
| <b><i>V</i></b> | <b><i>4874.000</i></b>  | <b><i>50.5</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>52.4</i></b>        | <b><i>74.0</i></b>        | <b><i>-21.6</i></b> |
| <b><i>H</i></b> | <b><i>7311.000</i></b>  | <b><i>45.8</i></b> | <b><i>33</i></b>  | <b><i>37.9</i></b>  | <b><i>50.7</i></b>        | <b><i>74.0</i></b>        | <b><i>-23.3</i></b> |
| <b><i>H</i></b> | <b><i>12185.000</i></b> | <b><i>44.0</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>51.5</i></b>        | <b><i>74.0</i></b>        | <b><i>-22.5</i></b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: TX-Channel 11

Table 6  
IEEE 802.11g (OFDM, 6 Mbps)

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)        |
|-----------------|-------------------------|--------------------|-------------------|---------------------|--------------------|------------------------------|--------------------|
| <b><i>V</i></b> | <b><i>4924.000</i></b>  | <b><i>44.9</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>46.8</i></b> | <b><i>54.0</i></b>           | <b><i>-7.2</i></b> |
| <b><i>H</i></b> | <b><i>7386.000</i></b>  | <b><i>46.3</i></b> | <b><i>33</i></b>  | <b><i>37.9</i></b>  | <b><i>51.2</i></b> | <b><i>54.0</i></b>           | <b><i>-2.8</i></b> |
| <b><i>H</i></b> | <b><i>12310.000</i></b> | <b><i>45.0</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>52.5</i></b> | <b><i>54.0</i></b>           | <b><i>-1.5</i></b> |

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)         |
|-----------------|-------------------------|--------------------|-------------------|---------------------|---------------------------|---------------------------|---------------------|
| <b><i>V</i></b> | <b><i>4924.000</i></b>  | <b><i>44.9</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>46.8</i></b>        | <b><i>74.0</i></b>        | <b><i>-27.2</i></b> |
| <b><i>H</i></b> | <b><i>7386.000</i></b>  | <b><i>46.3</i></b> | <b><i>33</i></b>  | <b><i>37.9</i></b>  | <b><i>51.2</i></b>        | <b><i>74.0</i></b>        | <b><i>-22.8</i></b> |
| <b><i>H</i></b> | <b><i>12310.000</i></b> | <b><i>45.0</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>52.5</i></b>        | <b><i>74.0</i></b>        | <b><i>-21.5</i></b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: TX-Channel 01

Table 7  
IEEE 802.11n (20MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4824.000</b>  | <b>39.8</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.7</b>        | <b>54.0</b>                  | <b>-12.3</b> |
| <b>H</b>     | <b>12060.000</b> | <b>44.2</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.7</b>        | <b>54.0</b>                  | <b>-2.3</b>  |
| <b>H</b>     | <b>14472.000</b> | <b>45.4</b>    | <b>33</b>         | <b>40.0</b>         | <b>52.4</b>        | <b>54.0</b>                  | <b>-1.6</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4824.000</b>  | <b>39.8</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.7</b>               | <b>74.0</b>               | <b>-32.3</b> |
| <b>H</b>     | <b>12060.000</b> | <b>44.2</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.7</b>               | <b>74.0</b>               | <b>-22.3</b> |
| <b>H</b>     | <b>14472.000</b> | <b>45.4</b>    | <b>33</b>         | <b>40.0</b>         | <b>52.4</b>               | <b>74.0</b>               | <b>-21.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: TX-Channel 06

Table 8  
IEEE 802.11n (20MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB) |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|-------------|
| <b>H</b>     | <b>4874.000</b>  | <b>51.4</b>    | <b>33</b>         | <b>34.9</b>         | <b>53.3</b>        | <b>54.0</b>                  | <b>-0.7</b> |
| <b>H</b>     | <b>7311.000</b>  | <b>44.4</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.3</b>        | <b>54.0</b>                  | <b>-4.7</b> |
| <b>H</b>     | <b>12185.000</b> | <b>43.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.4</b>        | <b>54.0</b>                  | <b>-2.6</b> |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>51.4</b>    | <b>33</b>         | <b>34.9</b>         | <b>53.3</b>               | <b>74.0</b>               | <b>-20.7</b> |
| <b>H</b>     | <b>7311.000</b>  | <b>44.4</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.3</b>               | <b>74.0</b>               | <b>-24.7</b> |
| <b>H</b>     | <b>12185.000</b> | <b>43.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.4</b>               | <b>74.0</b>               | <b>-22.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: TX-Channel 11

Table 9  
IEEE 802.11n (20MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4924.000</b>  | <b>37.6</b>    | <b>33</b>         | <b>34.9</b>         | <b>39.5</b>        | <b>54.0</b>                  | <b>-14.5</b> |
| <b>H</b>     | <b>7386.000</b>  | <b>44.7</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.6</b>        | <b>54.0</b>                  | <b>-4.4</b>  |
| <b>H</b>     | <b>12310.000</b> | <b>43.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.4</b>        | <b>54.0</b>                  | <b>-2.6</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4924.000</b>  | <b>37.6</b>    | <b>33</b>         | <b>34.9</b>         | <b>39.5</b>               | <b>74.0</b>               | <b>-34.5</b> |
| <b>H</b>     | <b>7386.000</b>  | <b>44.7</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.6</b>               | <b>74.0</b>               | <b>-24.4</b> |
| <b>H</b>     | <b>12310.000</b> | <b>43.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.4</b>               | <b>74.0</b>               | <b>-22.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: TX-Channel 01

Table 10  
IEEE 802.11n (40MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4844.000</b>  | <b>38.4</b>    | <b>33</b>         | <b>34.9</b>         | <b>40.3</b>        | <b>54.0</b>                  | <b>-13.7</b> |
| <b>H</b>     | <b>7266.000</b>  | <b>43.6</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.5</b>        | <b>54.0</b>                  | <b>-5.5</b>  |
| <b>H</b>     | <b>12110.000</b> | <b>45.1</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.6</b>        | <b>54.0</b>                  | <b>-1.4</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4844.000</b>  | <b>38.4</b>    | <b>33</b>         | <b>34.9</b>         | <b>40.3</b>               | <b>74.0</b>               | <b>-33.7</b> |
| <b>H</b>     | <b>7266.000</b>  | <b>43.6</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.5</b>               | <b>74.0</b>               | <b>-25.5</b> |
| <b>H</b>     | <b>12110.000</b> | <b>45.1</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.6</b>               | <b>74.0</b>               | <b>-21.4</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.



## TEST REPORT

Antenna 1

Mode: TX-Channel 06

Table 11  
IEEE 802.11n (40MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4859.000</b>  | <b>38.6</b>    | <b>33</b>         | <b>34.9</b>         | <b>40.5</b>        | <b>54.0</b>                  | <b>-13.5</b> |
| <b>H</b>     | <b>7281.000</b>  | <b>45.4</b>    | <b>33</b>         | <b>37.9</b>         | <b>50.3</b>        | <b>54.0</b>                  | <b>-3.7</b>  |
| <b>H</b>     | <b>12125.000</b> | <b>44.6</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.1</b>        | <b>54.0</b>                  | <b>-1.9</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4859.000</b>  | <b>38.6</b>    | <b>33</b>         | <b>34.9</b>         | <b>40.5</b>               | <b>74.0</b>               | <b>-33.5</b> |
| <b>H</b>     | <b>7281.000</b>  | <b>45.4</b>    | <b>33</b>         | <b>37.9</b>         | <b>50.3</b>               | <b>74.0</b>               | <b>-23.7</b> |
| <b>H</b>     | <b>12125.000</b> | <b>44.6</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.1</b>               | <b>74.0</b>               | <b>-21.9</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: TX-Channel 11

Table 12  
IEEE 802.11n (40MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>38.6</b>    | <b>33</b>         | <b>34.9</b>         | <b>40.5</b>        | <b>54.0</b>                  | <b>-13.5</b> |
| <b>H</b>     | <b>12140.000</b> | <b>44.2</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.7</b>        | <b>54.0</b>                  | <b>-2.3</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>38.6</b>    | <b>33</b>         | <b>34.9</b>         | <b>40.5</b>               | <b>74.0</b>               | <b>-33.5</b> |
| <b>H</b>     | <b>12140.000</b> | <b>44.2</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.7</b>               | <b>74.0</b>               | <b>-22.3</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: 2402MHz

Table 13  
BLE

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)         |
|-----------------|-------------------------|--------------------|-------------------|---------------------|--------------------|------------------------------|---------------------|
| <b><i>H</i></b> | <b><i>4804.000</i></b>  | <b><i>40.2</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>42.1</i></b> | <b><i>54.0</i></b>           | <b><i>-11.9</i></b> |
| <b><i>V</i></b> | <b><i>12010.000</i></b> | <b><i>44.6</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>52.1</i></b> | <b><i>54.0</i></b>           | <b><i>-1.9</i></b>  |

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)         |
|-----------------|-------------------------|--------------------|-------------------|---------------------|---------------------------|---------------------------|---------------------|
| <b><i>H</i></b> | <b><i>4804.000</i></b>  | <b><i>40.2</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>42.1</i></b>        | <b><i>74.0</i></b>        | <b><i>-31.9</i></b> |
| <b><i>V</i></b> | <b><i>12010.000</i></b> | <b><i>44.6</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>52.1</i></b>        | <b><i>74.0</i></b>        | <b><i>-21.9</i></b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: 2440MHz

Table 14  
BLE

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4880.000</b>  | <b>40.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.8</b>        | <b>54.0</b>                  | <b>-11.2</b> |
| <b>H</b>     | <b>7320.000</b>  | <b>44.6</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.5</b>        | <b>54.0</b>                  | <b>-4.5</b>  |
| <b>V</b>     | <b>12200.000</b> | <b>44.4</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.9</b>        | <b>54.0</b>                  | <b>-2.1</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4880.000</b>  | <b>40.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.8</b>               | <b>74.0</b>               | <b>-31.2</b> |
| <b>H</b>     | <b>7320.000</b>  | <b>44.6</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.5</b>               | <b>74.0</b>               | <b>-24.5</b> |
| <b>V</b>     | <b>12200.000</b> | <b>44.4</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.9</b>               | <b>74.0</b>               | <b>-22.1</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1  
Mode: 2480MHz

Table 15  
BLE

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4960.000</b>  | <b>41.8</b>    | <b>33</b>         | <b>34.9</b>         | <b>43.7</b>        | <b>54.0</b>                  | <b>-10.3</b> |
| <b>H</b>     | <b>7440.000</b>  | <b>44.3</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.2</b>        | <b>54.0</b>                  | <b>-4.8</b>  |
| <b>V</b>     | <b>12400.000</b> | <b>44.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.8</b>        | <b>54.0</b>                  | <b>-2.2</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4960.000</b>  | <b>41.8</b>    | <b>33</b>         | <b>34.9</b>         | <b>43.7</b>               | <b>74.0</b>               | <b>-30.3</b> |
| <b>H</b>     | <b>7440.000</b>  | <b>44.3</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.2</b>               | <b>74.0</b>               | <b>-24.8</b> |
| <b>V</b>     | <b>12400.000</b> | <b>44.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.8</b>               | <b>74.0</b>               | <b>-22.2</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 01

Table 16  
IEEE 802.11b (DSSS, 1 Mbps)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4824.000</b>  | <b>40.5</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.4</b>        | <b>54.0</b>                  | <b>-11.6</b> |
| <b>H</b>     | <b>12060.000</b> | <b>43.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.8</b>        | <b>54.0</b>                  | <b>-3.2</b>  |
| <b>H</b>     | <b>14472.000</b> | <b>45.8</b>    | <b>33</b>         | <b>40.0</b>         | <b>52.8</b>        | <b>54.0</b>                  | <b>-1.2</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|---------------------------|--------------|
| <b>H</b>     | <b>4824.000</b>  | <b>40.5</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.4</b>        | <b>74.0</b>               | <b>-31.6</b> |
| <b>H</b>     | <b>12060.000</b> | <b>43.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.8</b>        | <b>74.0</b>               | <b>-23.2</b> |
| <b>H</b>     | <b>14472.000</b> | <b>45.8</b>    | <b>33</b>         | <b>40.0</b>         | <b>52.8</b>        | <b>74.0</b>               | <b>-21.2</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 06

Table 17  
IEEE 802.11b (DSSS, 1 Mbps)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>40.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.8</b>        | <b>54.0</b>                  | <b>-11.2</b> |
| <b>H</b>     | <b>7311.000</b>  | <b>42.0</b>    | <b>33</b>         | <b>37.9</b>         | <b>46.9</b>        | <b>54.0</b>                  | <b>-7.1</b>  |
| <b>H</b>     | <b>12185.000</b> | <b>41.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>49.4</b>        | <b>54.0</b>                  | <b>-4.6</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>40.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.8</b>               | <b>74.0</b>               | <b>-31.2</b> |
| <b>H</b>     | <b>7311.000</b>  | <b>42.0</b>    | <b>33</b>         | <b>37.9</b>         | <b>46.9</b>               | <b>74.0</b>               | <b>-27.1</b> |
| <b>H</b>     | <b>12185.000</b> | <b>41.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>49.4</b>               | <b>74.0</b>               | <b>-24.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 11

Table 18  
IEEE 802.11b (DSSS, 1 Mbps)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB) |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|-------------|
| <b>H</b>     | <b>4924.000</b>  | <b>43.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>45.8</b>        | <b>54.0</b>                  | <b>-8.2</b> |
| <b>H</b>     | <b>7386.000</b>  | <b>43.2</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.1</b>        | <b>54.0</b>                  | <b>-5.9</b> |
| <b>H</b>     | <b>12310.000</b> | <b>43.0</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.5</b>        | <b>54.0</b>                  | <b>-3.5</b> |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4924.000</b>  | <b>43.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>45.8</b>               | <b>74.0</b>               | <b>-28.2</b> |
| <b>H</b>     | <b>7386.000</b>  | <b>43.2</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.1</b>               | <b>74.0</b>               | <b>-25.9</b> |
| <b>H</b>     | <b>12310.000</b> | <b>43.0</b>    | <b>33</b>         | <b>40.5</b>         | <b>50.5</b>               | <b>74.0</b>               | <b>-23.5</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.



## TEST REPORT

Antenna 2  
Mode: TX-Channel 01

Table 19  
IEEE 802.11g (OFDM, 6 Mbps)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>V</b>     | <b>4824.000</b>  | <b>40.5</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.4</b>        | <b>54.0</b>                  | <b>-11.6</b> |
| <b>H</b>     | <b>12060.000</b> | <b>43.7</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.2</b>        | <b>54.0</b>                  | <b>-2.8</b>  |
| <b>H</b>     | <b>14472.000</b> | <b>45.4</b>    | <b>33</b>         | <b>40.0</b>         | <b>52.4</b>        | <b>54.0</b>                  | <b>-1.6</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>V</b>     | <b>4824.000</b>  | <b>40.5</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.4</b>               | <b>74.0</b>               | <b>-31.6</b> |
| <b>H</b>     | <b>12060.000</b> | <b>43.7</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.2</b>               | <b>74.0</b>               | <b>-22.8</b> |
| <b>H</b>     | <b>14472.000</b> | <b>45.4</b>    | <b>33</b>         | <b>40.0</b>         | <b>52.4</b>               | <b>74.0</b>               | <b>-21.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 06

Table 20  
IEEE 802.11g (OFDM, 6 Mbps)

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)        |
|-----------------|-------------------------|--------------------|-------------------|---------------------|--------------------|------------------------------|--------------------|
| <b><i>V</i></b> | <b><i>4874.000</i></b>  | <b><i>50.5</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>52.4</i></b> | <b><i>54.0</i></b>           | <b><i>-1.6</i></b> |
| <b><i>H</i></b> | <b><i>7311.000</i></b>  | <b><i>45.8</i></b> | <b><i>33</i></b>  | <b><i>37.9</i></b>  | <b><i>50.7</i></b> | <b><i>54.0</i></b>           | <b><i>-3.3</i></b> |
| <b><i>H</i></b> | <b><i>12185.000</i></b> | <b><i>44.0</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>51.5</i></b> | <b><i>54.0</i></b>           | <b><i>-2.5</i></b> |

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)         |
|-----------------|-------------------------|--------------------|-------------------|---------------------|---------------------------|---------------------------|---------------------|
| <b><i>V</i></b> | <b><i>4874.000</i></b>  | <b><i>50.5</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>52.4</i></b>        | <b><i>74.0</i></b>        | <b><i>-21.6</i></b> |
| <b><i>H</i></b> | <b><i>7311.000</i></b>  | <b><i>45.8</i></b> | <b><i>33</i></b>  | <b><i>37.9</i></b>  | <b><i>50.7</i></b>        | <b><i>74.0</i></b>        | <b><i>-23.3</i></b> |
| <b><i>H</i></b> | <b><i>12185.000</i></b> | <b><i>44.0</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>51.5</i></b>        | <b><i>74.0</i></b>        | <b><i>-22.5</i></b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 11

Table 21  
IEEE 802.11g (OFDM, 6 Mbps)

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)        |
|-----------------|-------------------------|--------------------|-------------------|---------------------|--------------------|------------------------------|--------------------|
| <b><i>V</i></b> | <b><i>4924.000</i></b>  | <b><i>43.9</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>45.8</i></b> | <b><i>54.0</i></b>           | <b><i>-8.2</i></b> |
| <b><i>H</i></b> | <b><i>7386.000</i></b>  | <b><i>46.5</i></b> | <b><i>33</i></b>  | <b><i>37.9</i></b>  | <b><i>51.4</i></b> | <b><i>54.0</i></b>           | <b><i>-2.6</i></b> |
| <b><i>H</i></b> | <b><i>12310.000</i></b> | <b><i>45.1</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>52.6</i></b> | <b><i>54.0</i></b>           | <b><i>-1.4</i></b> |

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)         |
|-----------------|-------------------------|--------------------|-------------------|---------------------|---------------------------|---------------------------|---------------------|
| <b><i>V</i></b> | <b><i>4924.000</i></b>  | <b><i>43.9</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>45.8</i></b>        | <b><i>74.0</i></b>        | <b><i>-28.2</i></b> |
| <b><i>H</i></b> | <b><i>7386.000</i></b>  | <b><i>46.5</i></b> | <b><i>33</i></b>  | <b><i>37.9</i></b>  | <b><i>51.4</i></b>        | <b><i>74.0</i></b>        | <b><i>-22.6</i></b> |
| <b><i>H</i></b> | <b><i>12310.000</i></b> | <b><i>45.1</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>52.6</i></b>        | <b><i>74.0</i></b>        | <b><i>-21.4</i></b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 01

Table 22  
IEEE 802.11n (20MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4824.000</b>  | <b>39.7</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.6</b>        | <b>54.0</b>                  | <b>-12.4</b> |
| <b>H</b>     | <b>7236.000</b>  | <b>44.2</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.1</b>        | <b>54.0</b>                  | <b>-4.9</b>  |
| <b>H</b>     | <b>12060.000</b> | <b>45.2</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.7</b>        | <b>54.0</b>                  | <b>-1.3</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4824.000</b>  | <b>39.7</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.6</b>               | <b>74.0</b>               | <b>-32.4</b> |
| <b>H</b>     | <b>7236.000</b>  | <b>44.2</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.1</b>               | <b>74.0</b>               | <b>-24.9</b> |
| <b>H</b>     | <b>12060.000</b> | <b>45.2</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.7</b>               | <b>74.0</b>               | <b>-21.3</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 06

Table 23  
IEEE 802.11n (20MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>40.3</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.2</b>        | <b>54.0</b>                  | <b>-11.8</b> |
| <b>H</b>     | <b>7311.000</b>  | <b>44.5</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.4</b>        | <b>54.0</b>                  | <b>-4.6</b>  |
| <b>H</b>     | <b>12185.000</b> | <b>44.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.4</b>        | <b>54.0</b>                  | <b>-1.6</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>40.3</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.2</b>               | <b>74.0</b>               | <b>-31.8</b> |
| <b>H</b>     | <b>7311.000</b>  | <b>44.5</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.4</b>               | <b>74.0</b>               | <b>-24.6</b> |
| <b>H</b>     | <b>12185.000</b> | <b>44.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.4</b>               | <b>74.0</b>               | <b>-21.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 11

Table 24  
IEEE 802.11n (20MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4924.000</b>  | <b>38.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>40.8</b>        | <b>54.0</b>                  | <b>-13.2</b> |
| <b>H</b>     | <b>7386.000</b>  | <b>43.8</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.7</b>        | <b>54.0</b>                  | <b>-5.3</b>  |
| <b>H</b>     | <b>12310.000</b> | <b>45.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>53.4</b>        | <b>54.0</b>                  | <b>-0.6</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4924.000</b>  | <b>38.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>40.8</b>               | <b>74.0</b>               | <b>-33.2</b> |
| <b>H</b>     | <b>7386.000</b>  | <b>43.8</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.7</b>               | <b>74.0</b>               | <b>-25.3</b> |
| <b>H</b>     | <b>12310.000</b> | <b>45.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>53.4</b>               | <b>74.0</b>               | <b>-20.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 01

Table 25  
IEEE 802.11n (40MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4844.000</b>  | <b>39.2</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.1</b>        | <b>54.0</b>                  | <b>-12.9</b> |
| <b>H</b>     | <b>7266.000</b>  | <b>43.2</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.1</b>        | <b>54.0</b>                  | <b>-5.9</b>  |
| <b>H</b>     | <b>12110.000</b> | <b>44.6</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.1</b>        | <b>54.0</b>                  | <b>-1.9</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4844.000</b>  | <b>39.2</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.1</b>               | <b>74.0</b>               | <b>-32.9</b> |
| <b>H</b>     | <b>7266.000</b>  | <b>43.2</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.1</b>               | <b>74.0</b>               | <b>-25.9</b> |
| <b>H</b>     | <b>12110.000</b> | <b>44.6</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.1</b>               | <b>74.0</b>               | <b>-21.9</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: TX-Channel 06

Table 26  
IEEE 802.11n (40MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4859.000</b>  | <b>40.4</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.3</b>        | <b>54.0</b>                  | <b>-11.7</b> |
| <b>H</b>     | <b>7281.000</b>  | <b>43.5</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.4</b>        | <b>54.0</b>                  | <b>-5.6</b>  |
| <b>H</b>     | <b>12125.000</b> | <b>44.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.8</b>        | <b>54.0</b>                  | <b>-2.2</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4859.000</b>  | <b>40.4</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.3</b>               | <b>74.0</b>               | <b>-31.7</b> |
| <b>H</b>     | <b>7281.000</b>  | <b>43.5</b>    | <b>33</b>         | <b>37.9</b>         | <b>48.4</b>               | <b>74.0</b>               | <b>-25.6</b> |
| <b>H</b>     | <b>12125.000</b> | <b>44.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.8</b>               | <b>74.0</b>               | <b>-22.2</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.



## TEST REPORT

Antenna 2  
Mode: TX-Channel 11

Table 27  
IEEE 802.11n (40MHz) (OFDM, MCS0)

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>40.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.8</b>        | <b>54.0</b>                  | <b>-11.2</b> |
| <b>H</b>     | <b>7296.000</b>  | <b>42.8</b>    | <b>33</b>         | <b>37.9</b>         | <b>47.7</b>        | <b>54.0</b>                  | <b>-6.3</b>  |
| <b>H</b>     | <b>12140.000</b> | <b>44.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.4</b>        | <b>54.0</b>                  | <b>-1.6</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4874.000</b>  | <b>40.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.8</b>               | <b>74.0</b>               | <b>-31.2</b> |
| <b>H</b>     | <b>7296.000</b>  | <b>42.8</b>    | <b>33</b>         | <b>37.9</b>         | <b>47.7</b>               | <b>74.0</b>               | <b>-26.3</b> |
| <b>H</b>     | <b>12140.000</b> | <b>44.9</b>    | <b>33</b>         | <b>40.5</b>         | <b>52.4</b>               | <b>74.0</b>               | <b>-21.6</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: 2402MHz

Table 28  
BLE

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)         |
|-----------------|-------------------------|--------------------|-------------------|---------------------|--------------------|------------------------------|---------------------|
| <b><i>H</i></b> | <b><i>4804.000</i></b>  | <b><i>40.0</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>41.9</i></b> | <b><i>54.0</i></b>           | <b><i>-12.1</i></b> |
| <b><i>V</i></b> | <b><i>12010.000</i></b> | <b><i>42.7</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>50.2</i></b> | <b><i>54.0</i></b>           | <b><i>-3.8</i></b>  |

| Polarization    | Frequency (MHz)         | Reading (dBμV)     | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)         |
|-----------------|-------------------------|--------------------|-------------------|---------------------|---------------------------|---------------------------|---------------------|
| <b><i>H</i></b> | <b><i>4804.000</i></b>  | <b><i>40.0</i></b> | <b><i>33</i></b>  | <b><i>34.9</i></b>  | <b><i>41.9</i></b>        | <b><i>74.0</i></b>        | <b><i>-32.1</i></b> |
| <b><i>V</i></b> | <b><i>12010.000</i></b> | <b><i>42.7</i></b> | <b><i>33</i></b>  | <b><i>40.5</i></b>  | <b><i>50.2</i></b>        | <b><i>74.0</i></b>        | <b><i>-23.8</i></b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: 2440MHz

Table 29  
BLE

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4880.000</b>  | <b>39.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.8</b>        | <b>54.0</b>                  | <b>-12.2</b> |
| <b>H</b>     | <b>7320.000</b>  | <b>46.5</b>    | <b>33</b>         | <b>37.9</b>         | <b>51.4</b>        | <b>54.0</b>                  | <b>-2.6</b>  |
| <b>V</b>     | <b>12200.000</b> | <b>46.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>53.8</b>        | <b>54.0</b>                  | <b>-0.2</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4880.000</b>  | <b>39.9</b>    | <b>33</b>         | <b>34.9</b>         | <b>41.8</b>               | <b>74.0</b>               | <b>-32.2</b> |
| <b>H</b>     | <b>7320.000</b>  | <b>46.5</b>    | <b>33</b>         | <b>37.9</b>         | <b>51.4</b>               | <b>74.0</b>               | <b>-22.6</b> |
| <b>V</b>     | <b>12200.000</b> | <b>46.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>53.8</b>               | <b>74.0</b>               | <b>-20.2</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 2  
Mode: 2480MHz

Table 30  
BLE

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Average Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|--------------------|------------------------------|--------------|
| <b>H</b>     | <b>4960.000</b>  | <b>40.4</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.3</b>        | <b>54.0</b>                  | <b>-11.7</b> |
| <b>H</b>     | <b>7440.000</b>  | <b>44.1</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.0</b>        | <b>54.0</b>                  | <b>-5.0</b>  |
| <b>V</b>     | <b>12400.000</b> | <b>44.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.8</b>        | <b>54.0</b>                  | <b>-2.2</b>  |

| Polarization | Frequency (MHz)  | Reading (dBμV) | Pre-Amp Gain (dB) | Antenna Factor (dB) | Net at 3m - Peak (dBμV/m) | Peak Limit at 3m (dBμV/m) | Margin (dB)  |
|--------------|------------------|----------------|-------------------|---------------------|---------------------------|---------------------------|--------------|
| <b>H</b>     | <b>4960.000</b>  | <b>40.4</b>    | <b>33</b>         | <b>34.9</b>         | <b>42.3</b>               | <b>74.0</b>               | <b>-31.7</b> |
| <b>H</b>     | <b>7440.000</b>  | <b>44.1</b>    | <b>33</b>         | <b>37.9</b>         | <b>49.0</b>               | <b>74.0</b>               | <b>-25.0</b> |
| <b>V</b>     | <b>12400.000</b> | <b>44.3</b>    | <b>33</b>         | <b>40.5</b>         | <b>51.8</b>               | <b>74.0</b>               | <b>-22.2</b> |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. Average detector is used for the average data of emission measurement
  3. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  4. Negative value in the margin column shows emission below limit.
  5. Horn antenna is used for the emission over 1000MHz.
  6. Emission (the row indicated by **bold italic**) within the restricted band meets the requirement of FCC Part 15 Section 15.205.
  7. For the measurement of radiated emission, summation method was used which numerical integrating (in terms of linear power) over the transmitter occupied bandwidth.
  8. For the linear power measurement, data in 1MHz spacing was collected by spectrum analyzer with 1MHz resolution bandwidth.

## TEST REPORT

Antenna 1

Mode: BT

Table 31

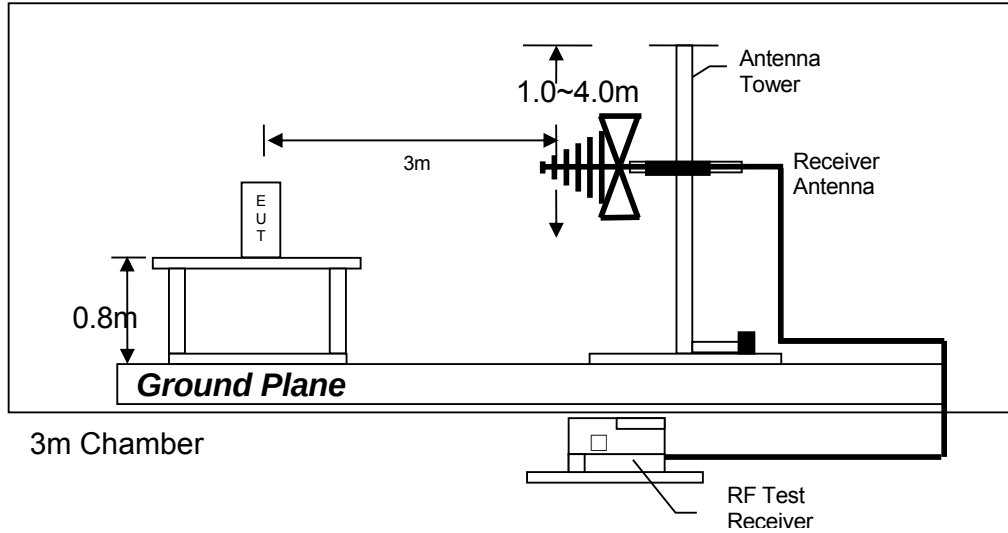
| Polarization | Frequency (MHz) | Reading (dBμV) | Pre-amp (dB) | Antenna Factor (dB) | Net at 3m (dBμV/m) | Limit at 3m (dBμV/m) | Margin (dB) |
|--------------|-----------------|----------------|--------------|---------------------|--------------------|----------------------|-------------|
| V            | 242.187         | 35.2           | 16           | 19.0                | 38.2               | 46.0                 | -7.8        |
| H            | 609.817         | 28.5           | 16           | 29.0                | 41.5               | 46.0                 | -4.5        |
| V            | 975.628         | 24.5           | 16           | 33.0                | 41.5               | 54.0                 | -12.5       |

- NOTES:
1. Peak detector is used for the emission measurement.
  2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
  3. Negative value in the margin column shows emission below limit.
  4. Emission (the row indicated by ***bold italic***) within the restricted band meets the requirement of FCC Part 15 Section 15.205.

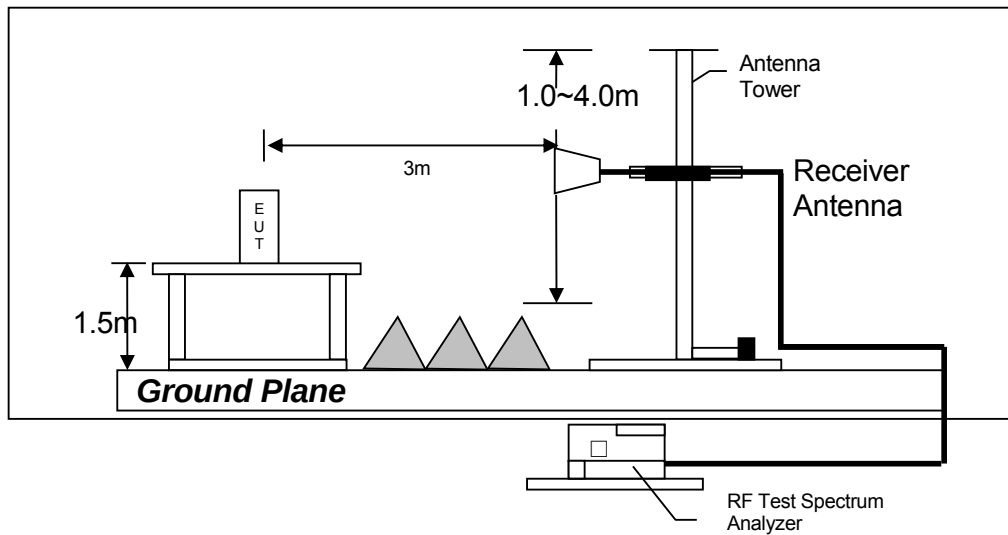
## TEST REPORT

### 4.6.3 Radiated Emission Test Setup

The figure below shows the test setup, which is utilized to make these measurements.



Test setup of radiated emissions up to 1GHz



Test setup of radiated emissions above 1GHz

## TEST REPORT

### 4.6.4 Transmitter Duty Cycle Calculation

Not applicable – No average factor is required.

## TEST REPORT

### 4.7 AC Power Line Conducted Emission

- ☐ Not applicable – EUT is only powered by battery for operation.
- ☒ EUT connects to AC power line. Emission Data is listed in following pages.
- ☐ Base Unit connects to AC power line and has transmission. Handset connects to AC power line but has no transmission. Emission Data of Base Unit is listed in following pages.

#### 4.7.1 AC Power Line Conducted Emission Configuration Photograph

Worst Case Line-Conducted Configuration  
at

469.5 kHz

The worst case line conducted configuration photographs are attached in the Appendix and saved with filename: config photos.pdf

#### 4.7.2 AC Power Line Conducted Emission Data

The plot(s) and data in the following pages list the significant emission frequencies, the limit and the margin of compliance.

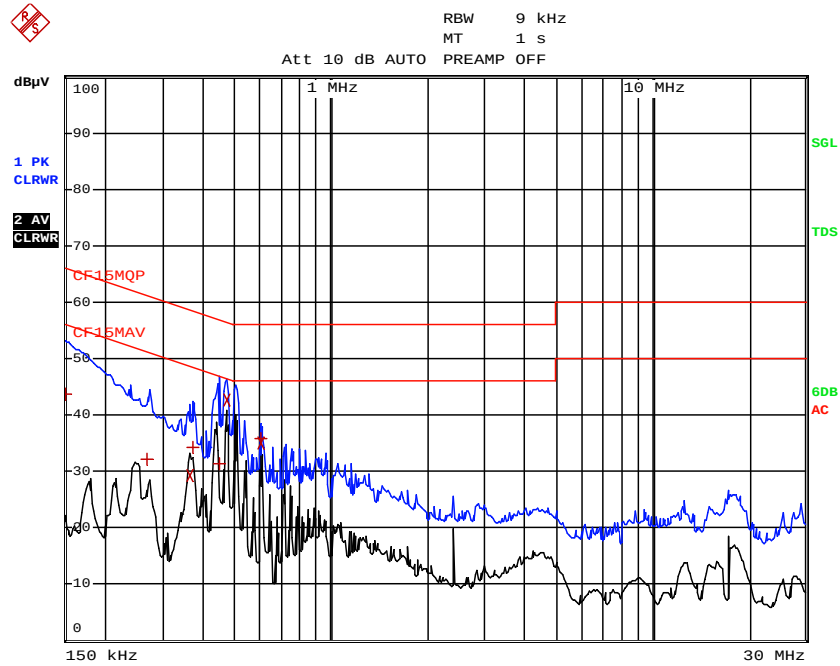
Passed by 3.74 dB margin



## TEST REPORT

### AC POWER LINE CONDUCTED EMISSION

Worst Case: WiFi on



Date: 15.MAY.2017 17:00:16

## TEST REPORT

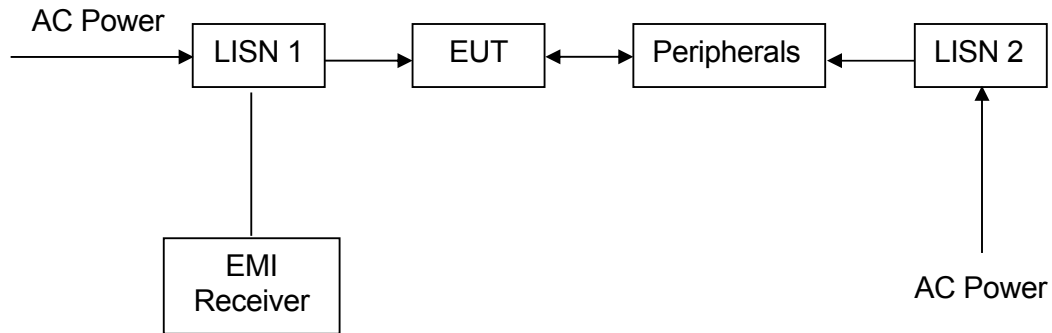
Worst Case: WiFi on

| EDIT PEAK LIST (Final Measurement Results) |           |            |  |                |
|--------------------------------------------|-----------|------------|--|----------------|
| Trace1:                                    | CF15MQP   |            |  |                |
| Trace2:                                    | CF15MAV   |            |  |                |
| Trace3:                                    | ---       |            |  |                |
| TRACE                                      | FREQUENCY | LEVEL dBμV |  | DELTA LIMIT dB |
| 1 Quasi Peak                               | 150 kHz   | 43.57 L1   |  | -22.42         |
| 1 Quasi Peak                               | 271.5 kHz | 32.19 L1   |  | -28.87         |
| 2 CISPR Average                            | 361.5 kHz | 29.34 L1   |  | -19.34         |
| 1 Quasi Peak                               | 370.5 kHz | 34.31 L1   |  | -24.17         |
| 1 Quasi Peak                               | 447 kHz   | 31.31 N    |  | -25.61         |
| 2 CISPR Average                            | 469.5 kHz | 42.77 L1   |  | -3.74          |
| 1 Quasi Peak                               | 600 kHz   | 35.89 L1   |  | -20.10         |
| 2 CISPR Average                            | 600 kHz   | 35.12 L1   |  | -10.87         |

Date: 15.MAY.2017 17:00:09

## TEST REPORT

### 4.7.3 Conducted Emission Test Setup



## TEST REPORT

### EXHIBIT 5 EQUIPMENT LIST

#### 5.0 EQUIPMENT LIST

##### 1) Radiated Emissions Test

| Equipment            | EMI Test Receiver | Spectrum Analyzer | Biconical Antenna |
|----------------------|-------------------|-------------------|-------------------|
| Registration No.     | EW-3095           | EW-2466           | EW-0571           |
| Manufacturer         | R&S               | R&S               | EMCO              |
| Model No.            | ESCI              | FSP30             | 3104C             |
| Calibration Date     | Oct. 25, 2016     | Oct. 03, 2016     | May. 18, 2016     |
| Calibration Due Date | Oct. 25, 2017     | Aug. 20, 2017     | Nov. 18, 2017     |

| Equipment            | Log Periodic Antenna | Biconical Antenna | Log Periodic Antenna |
|----------------------|----------------------|-------------------|----------------------|
| Registration No.     | EW-0447              | EW-0571           | EW-0447              |
| Manufacturer         | EMCO                 | EMCO              | EMCO                 |
| Model No.            | 3146                 | 3104C             | 3146                 |
| Calibration Date     | May. 18, 2016        | May. 18, 2016     | May. 18, 2016        |
| Calibration Due Date | Nov. 18, 2017        | Nov. 18, 2017     | Nov. 18, 2017        |

| Equipment            | Broad-Band Horn Antenna with frequency range 14G - 40GHz | Double Ridged Guide Antenna |
|----------------------|----------------------------------------------------------|-----------------------------|
| Registration No.     | EW-1679                                                  | EW-1015                     |
| Manufacturer         | SCHWARZBECK                                              | EMCO                        |
| Model No.            | BBHA9170                                                 | 3115                        |
| Calibration Date     | June. 28, 2016                                           | Apr. 26, 2016               |
| Calibration Due Date | June. 28, 2017                                           | Oct. 26, 2017               |

##### 2) Conducted Emissions Test

| Equipment            | EMI Test Receiver | LISN          |
|----------------------|-------------------|---------------|
| Registration No.     | EW-2500           | EW-2501       |
| Manufacturer         | R&S               | R&S           |
| Model No.            | ESCI              | ENV-216       |
| Calibration Date     | Nov. 17, 2016     | Feb. 21, 2017 |
| Calibration Due Date | Nov. 17, 2017     | Jan. 05, 2018 |

##### 3) Conductive Measurement Test

| Equipment            | Spectrum Analyzer |
|----------------------|-------------------|
| Registration No.     | EW-2466           |
| Manufacturer         | R&S               |
| Model No.            | FSP30             |
| Calibration Date     | Oct. 03, 2016     |
| Calibration Due Date | Aug. 20, 2017     |