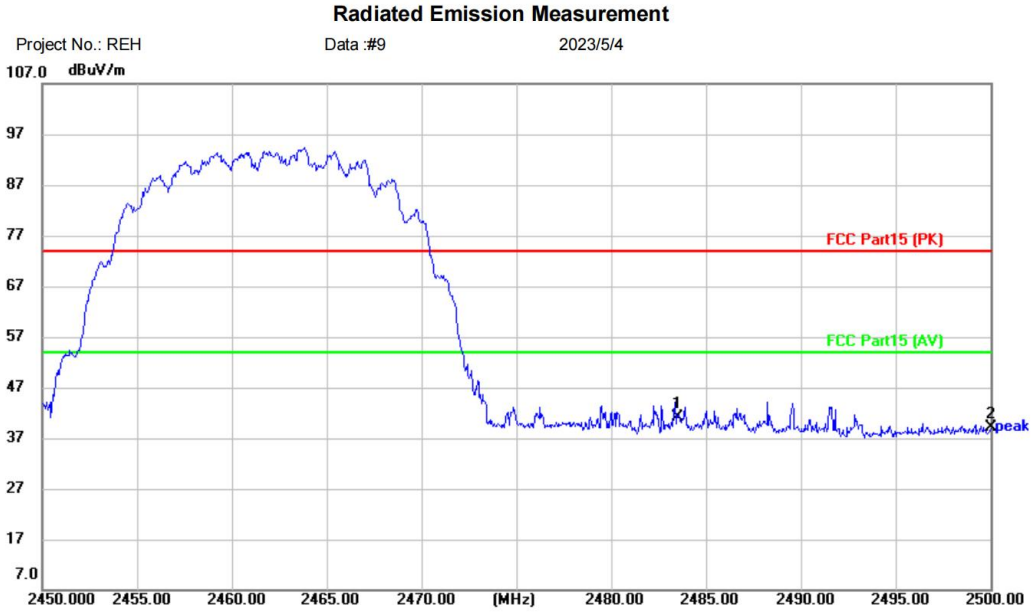
## [TestMode: TX b high channel]; [Polarity: Horizontal]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11B-TX-H
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

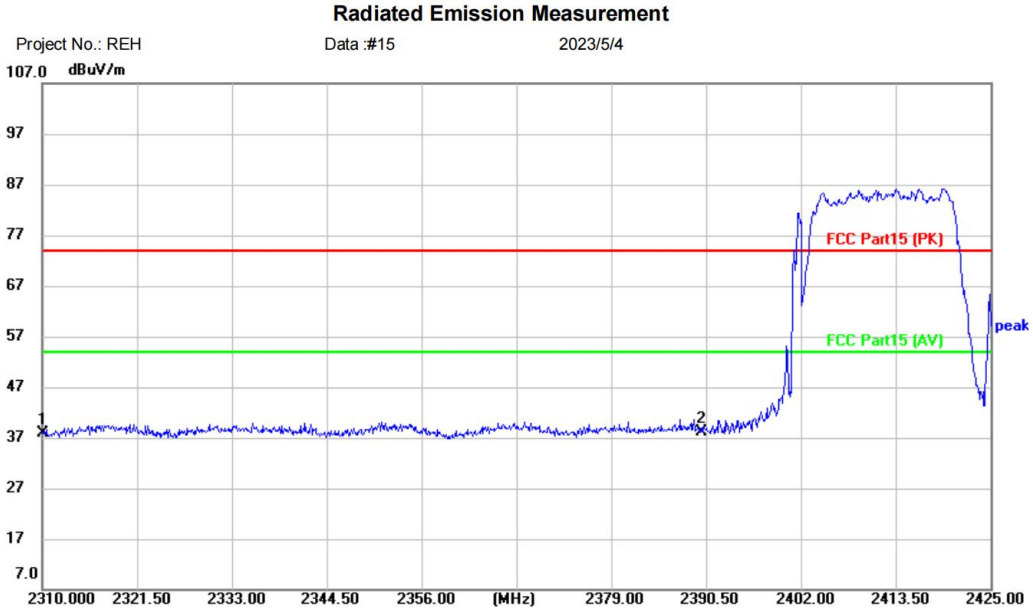
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 2483.500 | 45.01 | -3.96 | 41.05 | 74.00 | -32.95 | peak | |
| 2 | | 2500.000 | 43.18 | -4.00 | 39.18 | 74.00 | -34.82 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX g low channel]; [Polarity: Horizontal]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11G-TX-L
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

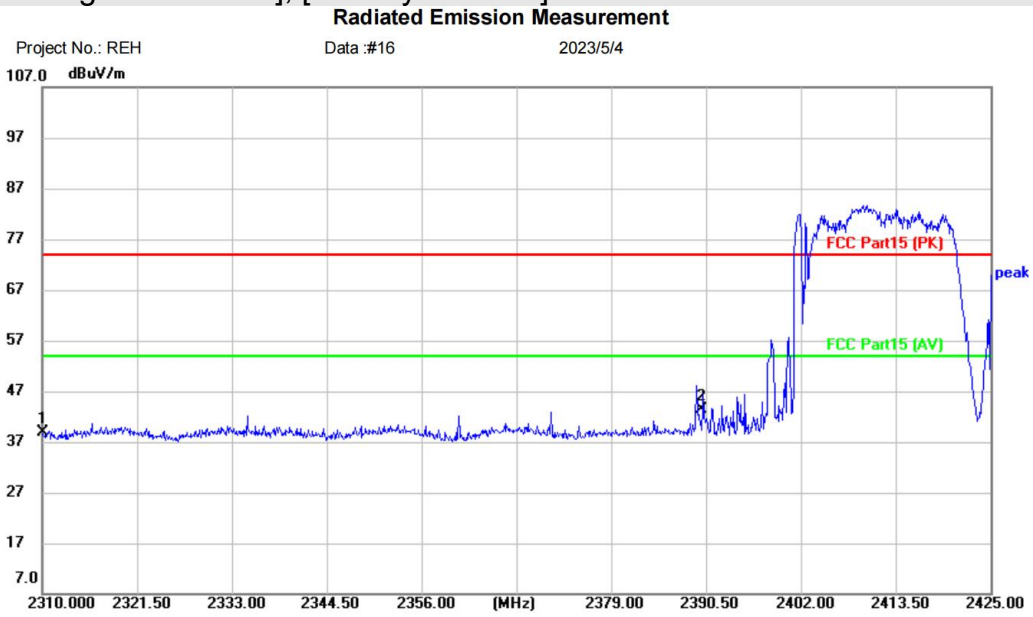
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2310.000 | 42.20 | -4.27 | 37.93 | 74.00 | -36.07 | peak | |
| 2 | * | 2390.000 | 41.90 | -3.82 | 38.08 | 74.00 | -35.92 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX g low channel]; [Polarity: Vertical]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11G-TX-L
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

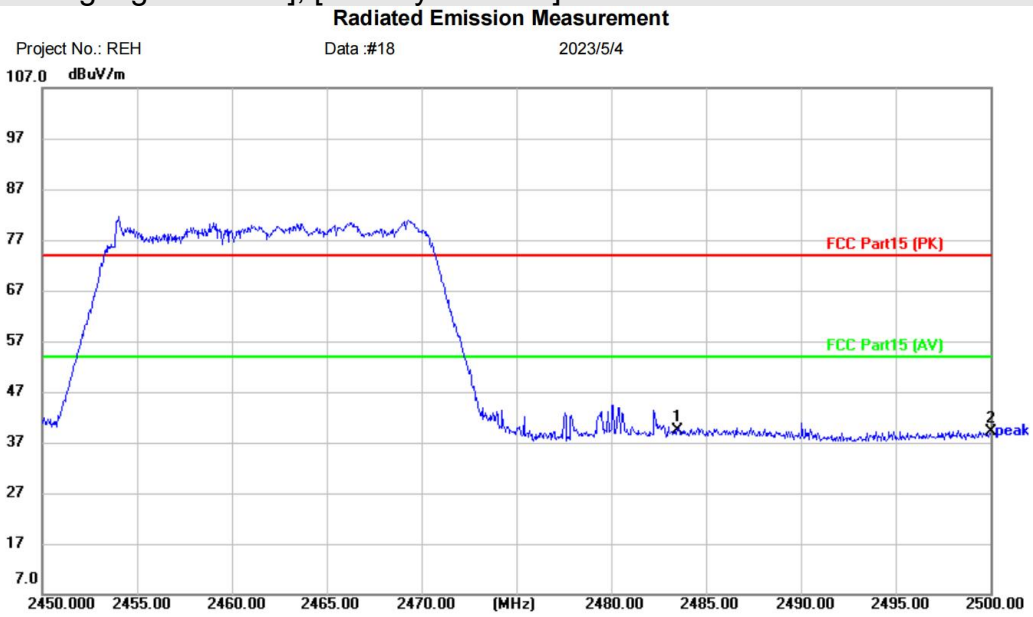
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2310.000 | 43.26 | -4.27 | 38.99 | 74.00 | -35.01 | peak | |
| 2 | * | 2390.000 | 47.18 | -3.82 | 43.36 | 74.00 | -30.64 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX g high channel]; [Polarity: Vertical]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11G-TX-H
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

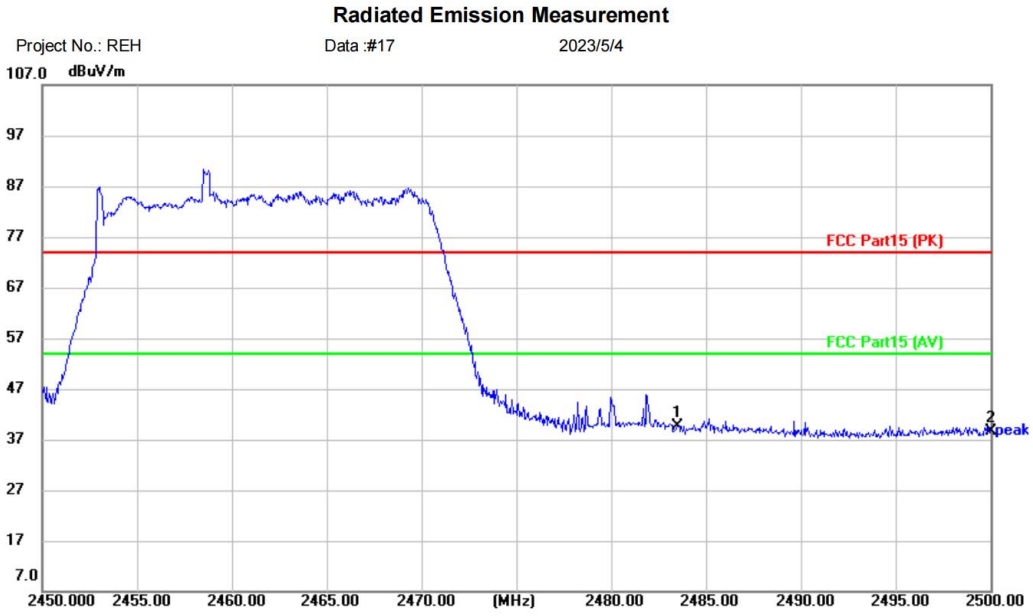
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 2483.500 | 43.26 | -3.96 | 39.30 | 74.00 | -34.70 | peak | |
| 2 | | 2500.000 | 43.24 | -4.00 | 39.24 | 74.00 | -34.76 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX g high channel]; [Polarity: Horizontal]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11G-TX-H
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

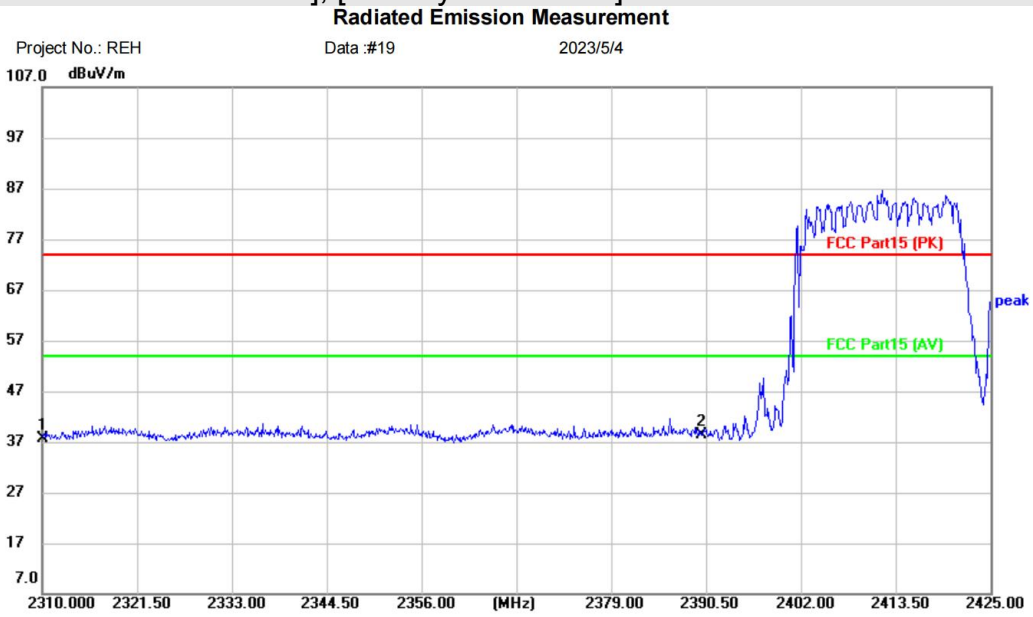
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 2483.500 | 43.70 | -3.96 | 39.74 | 74.00 | -34.26 | peak | |
| 2 | | 2500.000 | 42.58 | -4.00 | 38.58 | 74.00 | -35.42 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX n20 low channel]; [Polarity: Horizontal]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11N20-TX-L
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

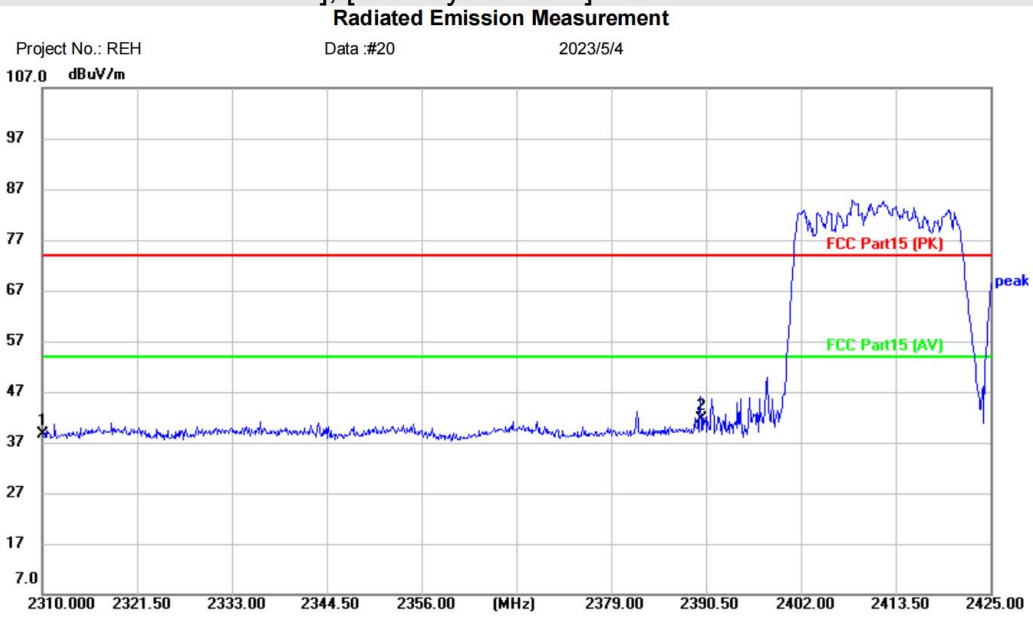
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2310.000 | 41.84 | -4.27 | 37.57 | 74.00 | -36.43 | peak | |
| 2 | * | 2390.000 | 42.11 | -3.82 | 38.29 | 74.00 | -35.71 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX n20 low channel ]; [Polarity: Vertical]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11N20-TX-L
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

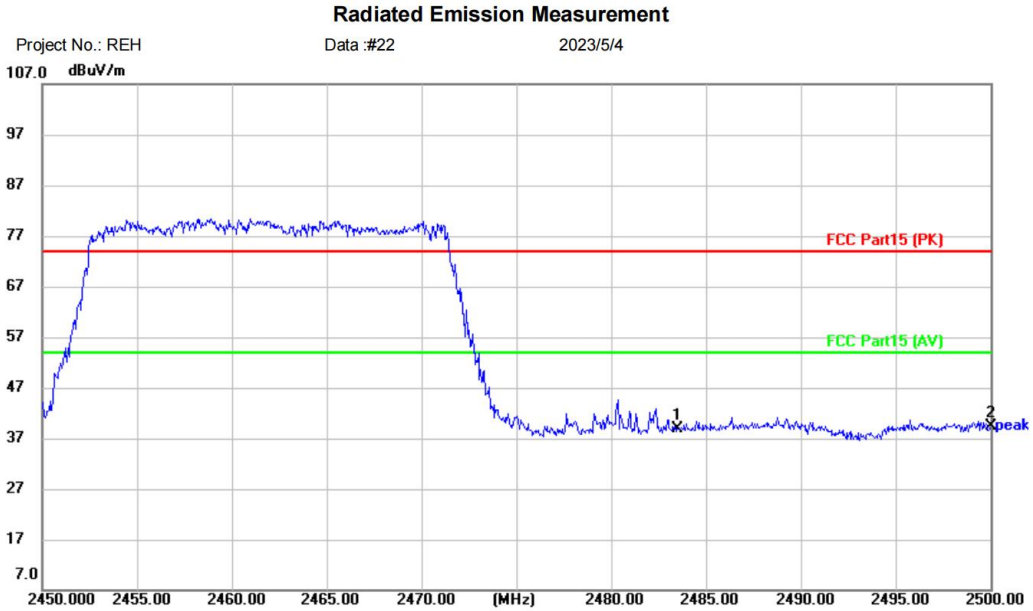
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2310.000 | 42.78 | -4.27 | 38.51 | 74.00 | -35.49 | peak | |
| 2 | * | 2390.000 | 45.44 | -3.82 | 41.62 | 74.00 | -32.38 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX n20 high channel]; [Polarity: Vertical]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11N20-TX-H
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

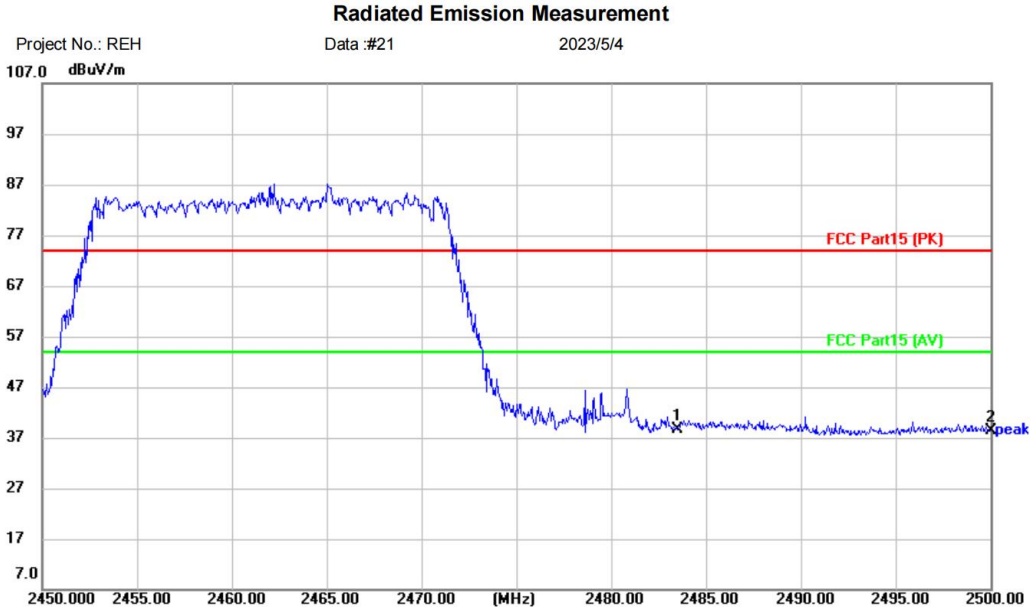
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2483.500 | 42.74 | -3.96 | 38.78 | 74.00 | -35.22 | peak | |
| 2 | * | 2500.000 | 43.41 | -4.00 | 39.41 | 74.00 | -34.59 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX n20 high channel]; [Polarity: Horizontal]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11N20-TX-H
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

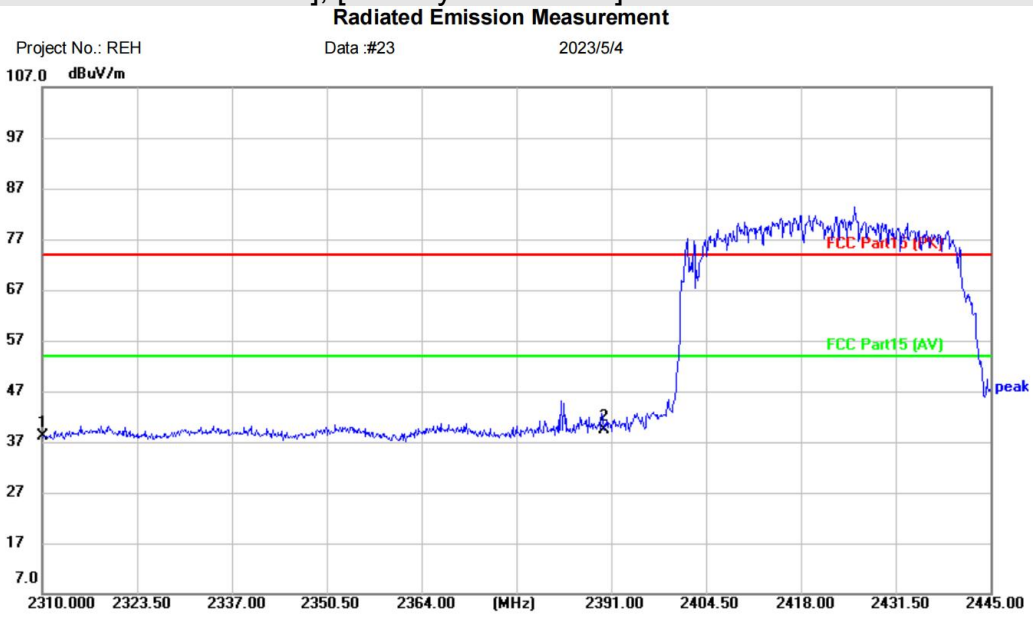
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 2483.500 | 42.65 | -3.96 | 38.69 | 74.00 | -35.31 | peak | |
| 2 | | 2500.000 | 42.36 | -4.00 | 38.36 | 74.00 | -35.64 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

## Test Result: Pass

## [TestMode: TX n40 low channel]; [Polarity: Horizontal]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11N40-TX-L
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

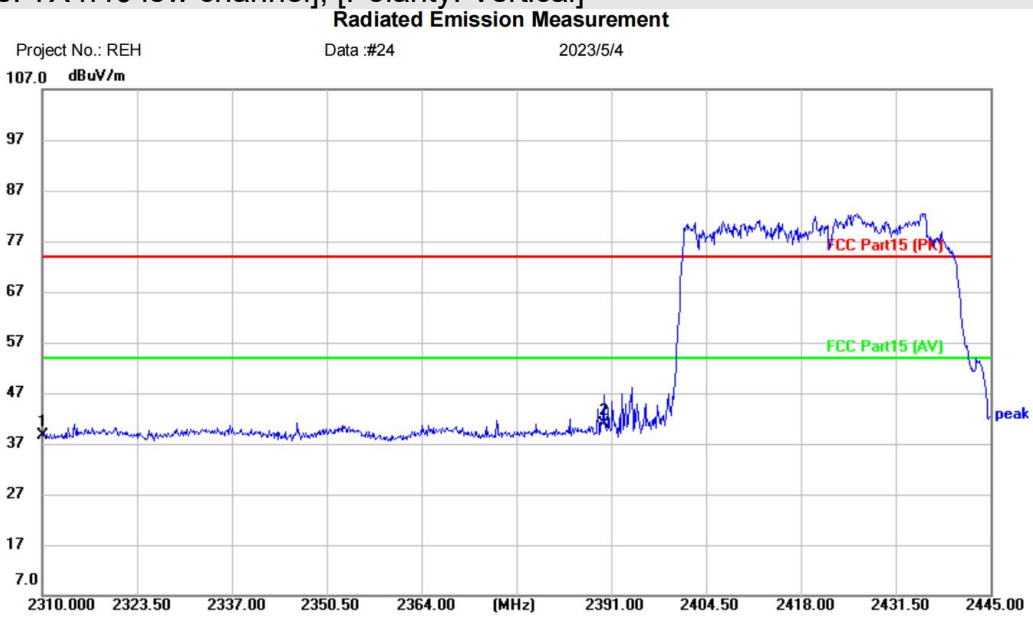
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2310.000 | 42.50 | -4.27 | 38.23 | 74.00 | -35.77 | peak | |
| 2 | * | 2390.000 | 43.24 | -3.82 | 39.42 | 74.00 | -34.58 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX n40 low channel]; [Polarity: Vertical]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11N40-TX-L
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

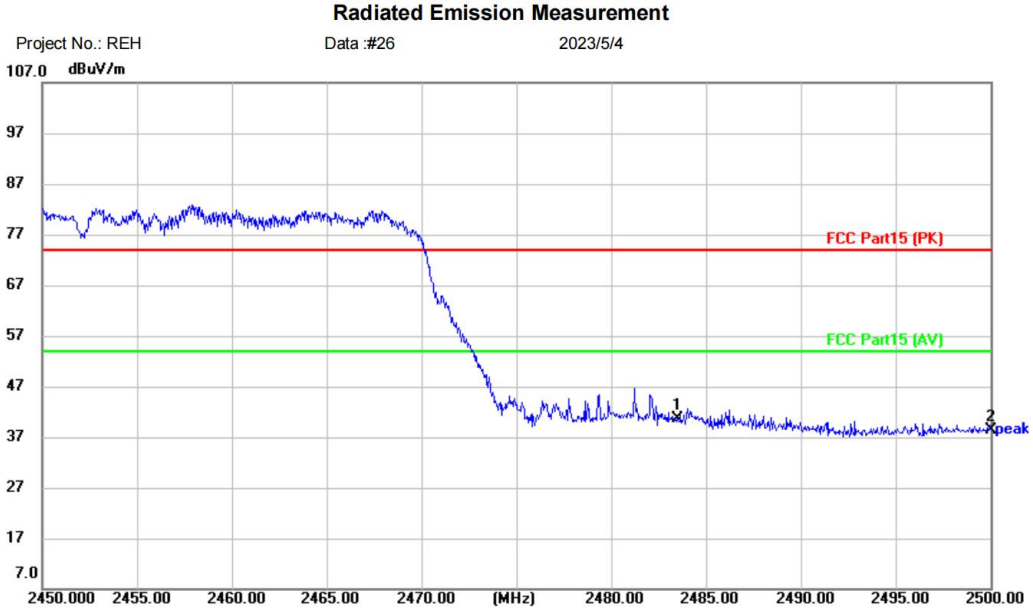
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2310.000 | 42.81 | -4.27 | 38.54 | 74.00 | -35.46 | peak | |
| 2 | * | 2390.000 | 44.79 | -3.82 | 40.97 | 74.00 | -33.03 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX n40 high channel]; [Polarity: Vertical]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11N40-TX-H
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

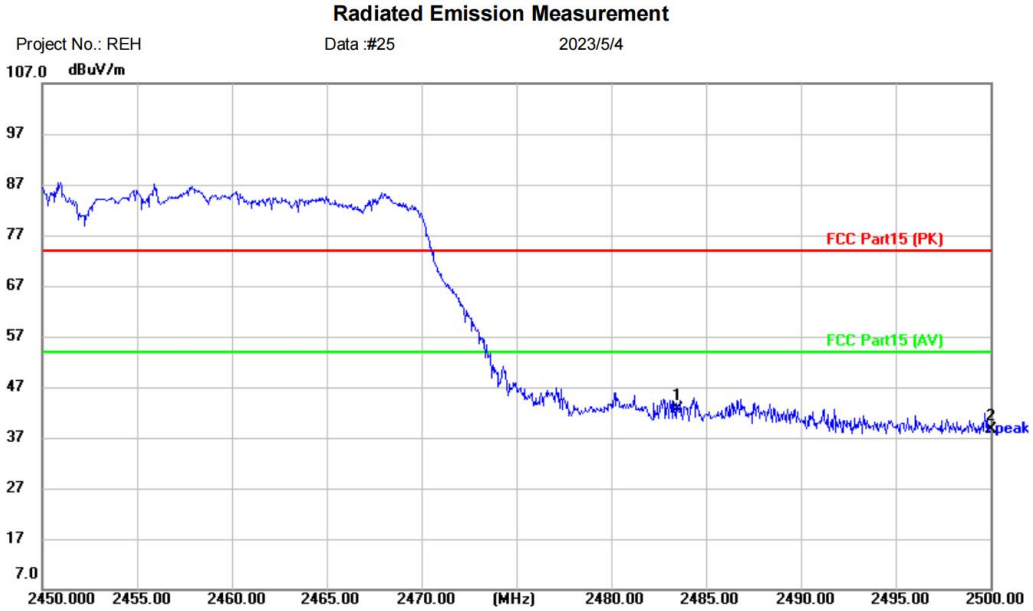
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 2483.500 | 44.48 | -3.96 | 40.52 | 74.00 | -33.48 | peak | |
| 2 | | 2500.000 | 42.30 | -4.00 | 38.30 | 74.00 | -35.70 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

## [TestMode: TX n40 high channel]; [Polarity: Horizontal]




Site
Limit: FCC Part15 (PK)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4GWiFi-11N40-TX-H
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | * | 2483.500 | 46.58 | -3.96 | 42.62 | 74.00 | -31.38 | peak | |
| 2 | | 2500.000 | 42.66 | -4.00 | 38.66 | 74.00 | -35.34 | peak | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

**Test Result: Pass**

Remark:

1. Final Level =Receiver Read level + Correct factor
2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

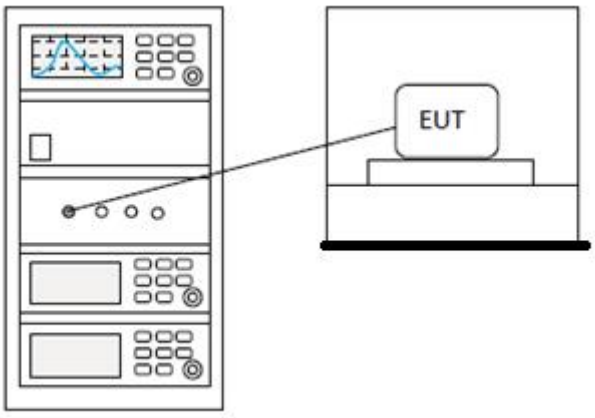
# 13 CONDUCTED SPURIOUS EMISSIONS

| | |
|---|---|
| **Test Standard** | 47 CFR Part 15, Subpart C 15.247 |
| **Test Method** | ANSI C63.10 (2013) Section 7.8.6 & Section 11.11 |
| **Test Mode (Pre-Scan)** | TX |
| **Test Mode (Final Test)** | TX |
| **Tester** | Jozu |
| **Temperature** | 25℃ |
| **Humidity** | 60% |

## 13.1 LIMITS

| | |
|---|---|
| **Limit:** | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). |

## 13.2 BLOCK DIAGRAM OF TEST SETUP




## 13.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

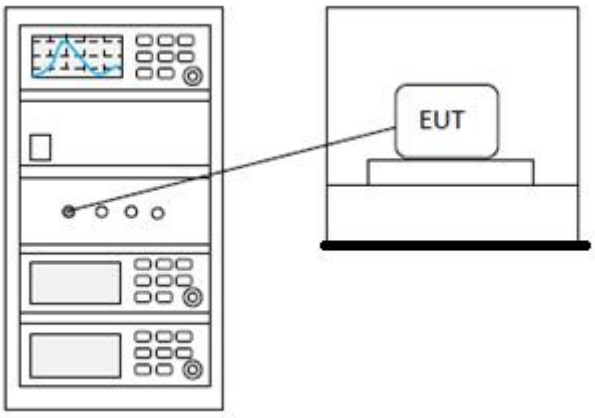
# 14 CONDUCTED BAND EDGES MEASUREMENT

| | |
|---|---|
| **Test Standard** | 47 CFR Part 15, Subpart C 15.247 |
| **Test Method** | ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2 |
| **Test Mode (Pre-Scan)** | TX |
| **Test Mode (Final Test)** | TX |
| **Tester** | Jozu |
| **Temperature** | 25℃ |
| **Humidity** | 60% |

## 14.1 LIMITS

| | |
|---|---|
| **Limit:** | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). |

## 14.2 BLOCK DIAGRAM OF TEST SETUP




## 14.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

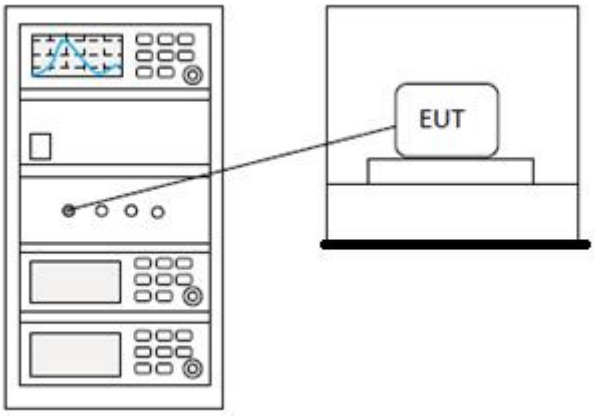
# 15 MINIMUM 6DB BANDWIDTH

| | |
|---|---|
| **Test Standard** | 47 CFR Part 15, Subpart C 15.247 |
| **Test Method** | ANSI C63.10 (2013) Section 11.8.1 |
| **Test Mode (Pre-Scan)** | TX |
| **Test Mode (Final Test)** | TX |
| **Tester** | Jozu |
| **Temperature** | 25℃ |
| **Humidity** | 60% |

## 15.1 LIMITS

| | |
|---|---|
| **Limit:** | ≥500 kHz |

## 15.2 BLOCK DIAGRAM OF TEST SETUP




## 15.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

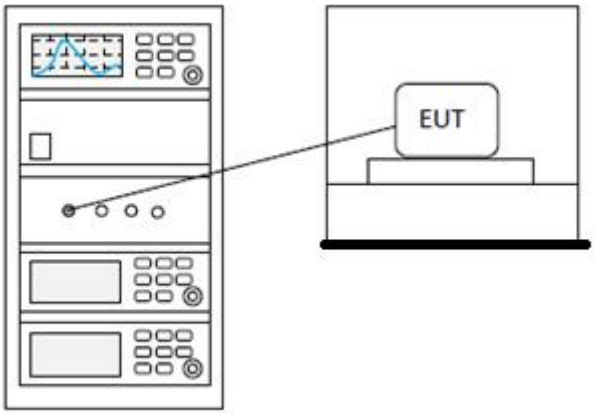
# 16 POWER SPECTRUM DENSITY

| | |
|---|---|
| **Test Standard** | 47 CFR Part 15, Subpart C 15.247 |
| **Test Method** | ANSI C63.10 (2013) Section 11.10.2 |
| **Test Mode (Pre-Scan)** | TX |
| **Test Mode (Final Test)** | TX |
| **Tester** | Jozu |
| **Temperature** | 25℃ |
| **Humidity** | 60% |

## 16.1 LIMITS

| | |
|---|---|
| **Limit:** | ≤8dBm in any 3 kHz band during any time interval of continuous transmission |

## 16.2 BLOCK DIAGRAM OF TEST SETUP




## 16.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

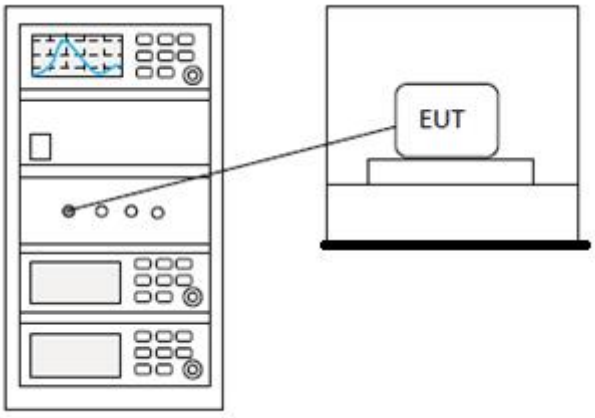
# 17 CONDUCTED PEAK OUTPUT POWER

| | |
|---|---|
| **Test Standard** | 47 CFR Part 15, Subpart C 15.247 |
| **Test Method** | ANSI C63.10 (2013) Section 7.8.5 & Section 11.9.1 |
| **Test Mode (Pre-Scan)** | TX |
| **Test Mode (Final Test)** | TX |
| **Tester** | Jozu |
| **Temperature** | 25℃ |
| **Humidity** | 60% |

## 17.1 LIMITS

| Frequency range(MHz) | Output power of the intentional radiator(watt) |
|---|---|
| 902-928 | 1 for ≥50 hopping channels |
| | 0.25 for 25≤ hopping channels <50 |
| | 1 for digital modulation |
| 2400-2483.5 | 1 for ≥75 non-overlapping hopping channels |
| | 0.125 for all other frequency hopping systems |
| | 1 for digital modulation |
| 5725-5850 | 1 for frequency hopping systems and digital modulation |

## 17.2 BLOCK DIAGRAM OF TEST SETUP



### 17.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

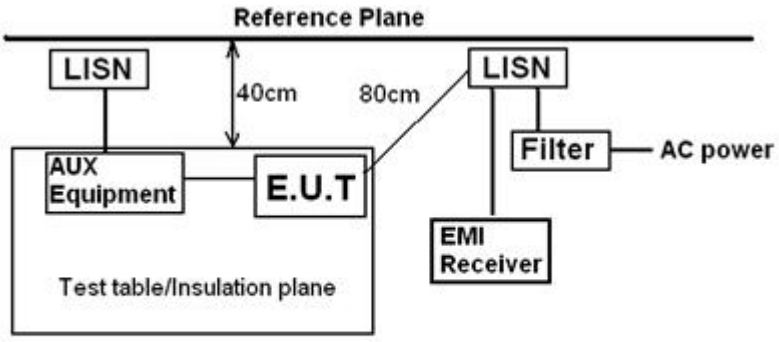
# 18 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

| | |
|---|---|
| **Test Standard** | 47 CFR Part 15, Subpart C 15.247 |
| **Test Method** | ANSI C63.10 (2013) Section 6.2 |
| **Test Mode (Pre-Scan)** | TX |
| **Test Mode (Final Test)** | TX |
| **Tester** | Jozu |
| **Temperature** | 25℃ |
| **Humidity** | 60% |

## 18.1 LIMITS

| Frequency of emission(MHz) | Conducted limit(dBμV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |
| *Decreases with the logarithm of the frequency. | | |

## 18.2 BLOCK DIAGRAM OF TEST SETUP




*Remark*
*E.U.T: Equipment Under Test*
*LISN: Line Impedence Stabilization Network*
*Test table height=0.8m*

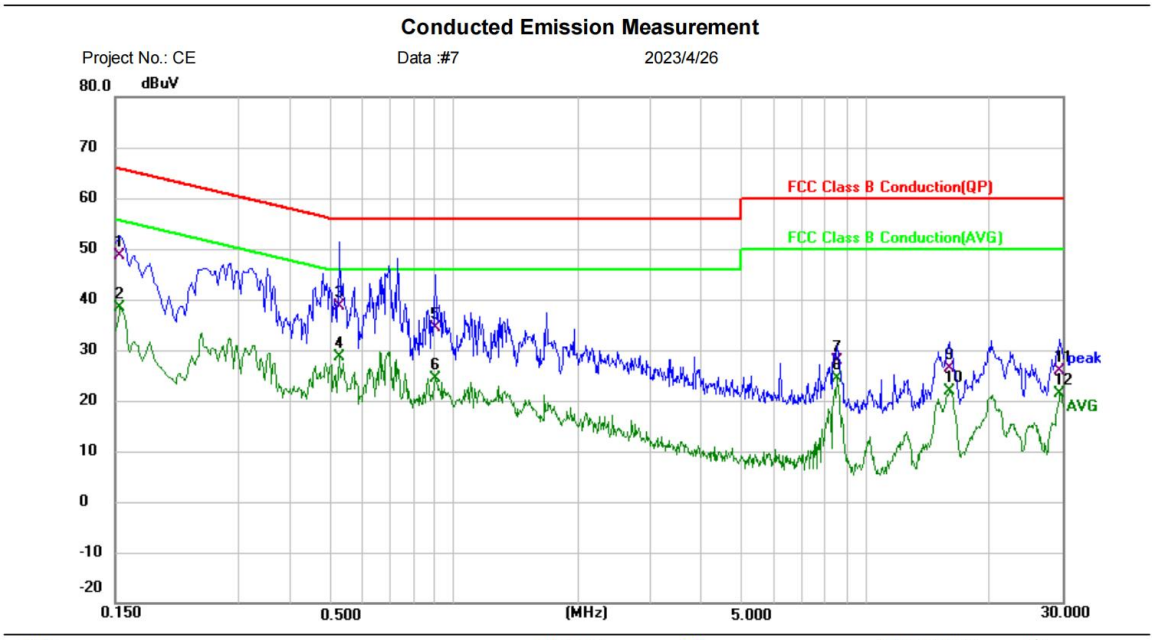
## 18.3 PROCEDURE

1) The mains terminal disturbance voltage test was conducted in a shielded room.
2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Remark: LISN=Read Level+ Cable Loss+ LISN Factor

### 18.4 TEST DATA

[TestMode: Transmitting mode]; [Line: Line] ;[Power:AC120V/60Hz]




Site
Limit: FCC Class B Conduction(QP)
EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40
M/N: GU10-5.5-RGB9T/B159/15D/CB
Mode: 2.4Gwifi-TX mode
Note:

Phase: L1
Power:
Distance:
RBW: 9 KHz
VBW: 30 KHz

Temperature: (C)
Humidity: %RH
Sweep Time: 10 ms

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | cm | degree | Comment |
| 1 | * | 0.1539 | 38.24 | 10.47 | 48.71 | 65.79 | -17.08 | QP | | | |
| 2 | | 0.1539 | 27.92 | 10.47 | 38.39 | 55.79 | -17.40 | AVG | | | |
| 3 | | 0.5260 | 28.51 | 10.08 | 38.59 | 56.00 | -17.41 | QP | | | |
| 4 | | 0.5260 | 18.44 | 10.08 | 28.52 | 46.00 | -17.48 | AVG | | | |
| 5 | | 0.9020 | 24.29 | 10.10 | 34.39 | 56.00 | -21.61 | QP | | | |
| 6 | | 0.9020 | 14.35 | 10.10 | 24.45 | 46.00 | -21.55 | AVG | | | |
| 7 | | 8.5140 | 17.84 | 10.10 | 27.94 | 60.00 | -32.06 | QP | | | |
| 8 | | 8.5140 | 14.26 | 10.10 | 24.36 | 50.00 | -25.64 | AVG | | | |
| 9 | | 15.8900 | 16.48 | 9.94 | 26.42 | 60.00 | -33.58 | QP | | | |
| 10 | | 15.8900 | 12.05 | 9.94 | 21.99 | 50.00 | -28.01 | AVG | | | |
| 11 | | 29.5500 | 15.77 | 10.06 | 25.83 | 60.00 | -34.17 | QP | | | |
| 12 | | 29.5500 | 11.20 | 10.06 | 21.26 | 50.00 | -28.74 | AVG | | | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

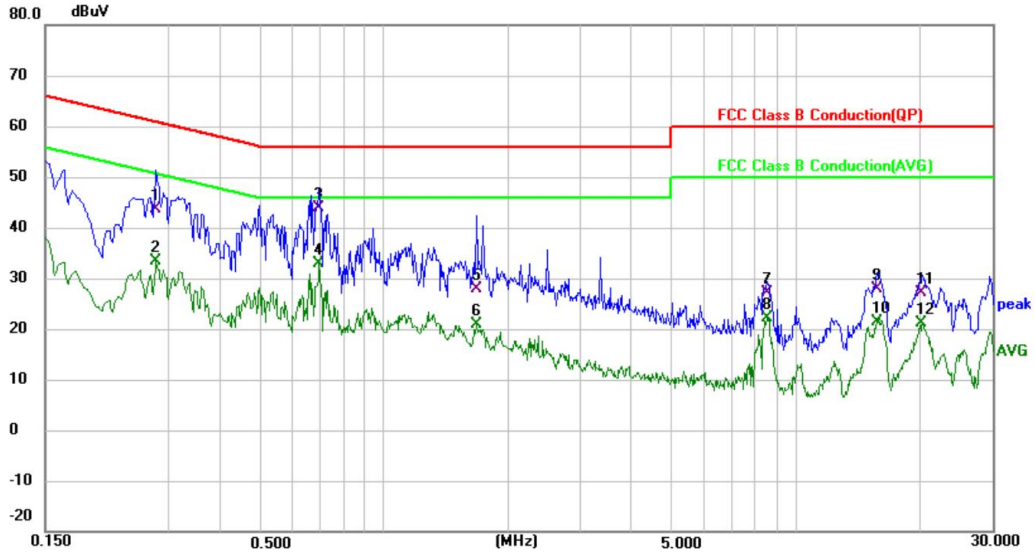
Receiver: ESPI_1
L.I.S.N:
Spectrum Analyzer: ESPI
Engineer Signature:

**Test Result: Pass**

## [TestMode: Transmitting mode]; [Line: Neutral] ;[Power:AC120V/60Hz]

**Conducted Emission Measurement**

Project No.: CE Data :#8 2023/4/26




| | | | |
|---|---|---|---|
| Site | Phase: | *N* | Temperature: (C) |
| Limit: FCC Class B Conduction(QP) | Power: | | Humidity: %RH |
| EUT: LED PC GU10 wifi, 5.5W, 50W EQ, 40 | Distance: | RBW: 9 KHz | |
| M/N: GU10-5.5-RGB9T/B159/15D/CB | | VBW: 30 KHz | Sweep Time: 10 ms |
| Mode: 2.4Gwifi-TX mode | | | |
| Note: | | | |

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure-ment | Limit | Over | | Antenna Height | Table Degree | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | cm | degree | Comment |
| 1 | | 0.2779 | 33.54 | 10.07 | 43.61 | 60.88 | -17.27 | QP | | | |
| 2 | | 0.2779 | 23.23 | 10.07 | 33.30 | 50.88 | -17.58 | AVG | | | |
| 3 | * | 0.6940 | 33.88 | 10.03 | 43.91 | 56.00 | -12.09 | QP | | | |
| 4 | | 0.6940 | 22.92 | 10.03 | 32.95 | 46.00 | -13.05 | AVG | | | |
| 5 | | 1.6780 | 17.82 | 10.08 | 27.90 | 56.00 | -28.10 | QP | | | |
| 6 | | 1.6780 | 10.90 | 10.08 | 20.98 | 46.00 | -25.02 | AVG | | | |
| 7 | | 8.5140 | 17.19 | 9.90 | 27.09 | 60.00 | -32.91 | QP | | | |
| 8 | | 8.5140 | 12.31 | 9.90 | 22.21 | 50.00 | -27.79 | AVG | | | |
| 9 | | 15.7900 | 17.84 | 10.03 | 27.87 | 60.00 | -32.13 | QP | | | |
| 10 | | 15.7900 | 11.47 | 10.03 | 21.50 | 50.00 | -28.50 | AVG | | | |
| 11 | | 20.2939 | 17.07 | 10.00 | 27.07 | 60.00 | -32.93 | QP | | | |
| 12 | | 20.2939 | 11.07 | 10.00 | 21.07 | 50.00 | -28.93 | AVG | | | |

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESPI_1 Spectrum Analyzer: ESPI

L.I.S.N: Engineer Signature:

**Test Result: Pass**

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.

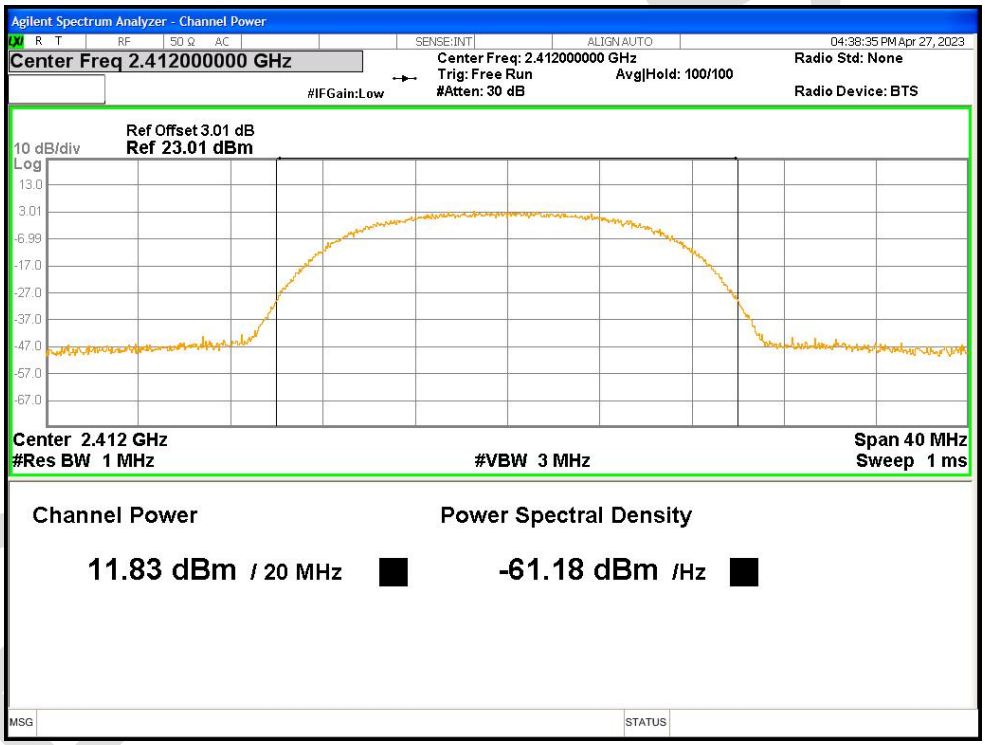
# 19 APPENDIX

**Appendix1**

## Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | b | 2412 | Ant1 | 11.832 | 30 | Pass |
| NVNT | b | 2437 | Ant1 | 12.358 | 30 | Pass |
| NVNT | b | 2462 | Ant1 | 12.089 | 30 | Pass |
| NVNT | g | 2412 | Ant1 | 8.607 | 30 | Pass |
| NVNT | g | 2437 | Ant1 | 8.231 | 30 | Pass |
| NVNT | g | 2462 | Ant1 | 8.725 | 30 | Pass |
| NVNT | n20 | 2412 | Ant1 | 7.895 | 30 | Pass |
| NVNT | n20 | 2437 | Ant1 | 7.719 | 30 | Pass |
| NVNT | n20 | 2462 | Ant1 | 8.261 | 30 | Pass |
| NVNT | n40 | 2422 | Ant1 | 6.428 | 30 | Pass |
| NVNT | n40 | 2437 | Ant1 | 6.404 | 30 | Pass |
| NVNT | n40 | 2452 | Ant1 | 7.014 | 30 | Pass |

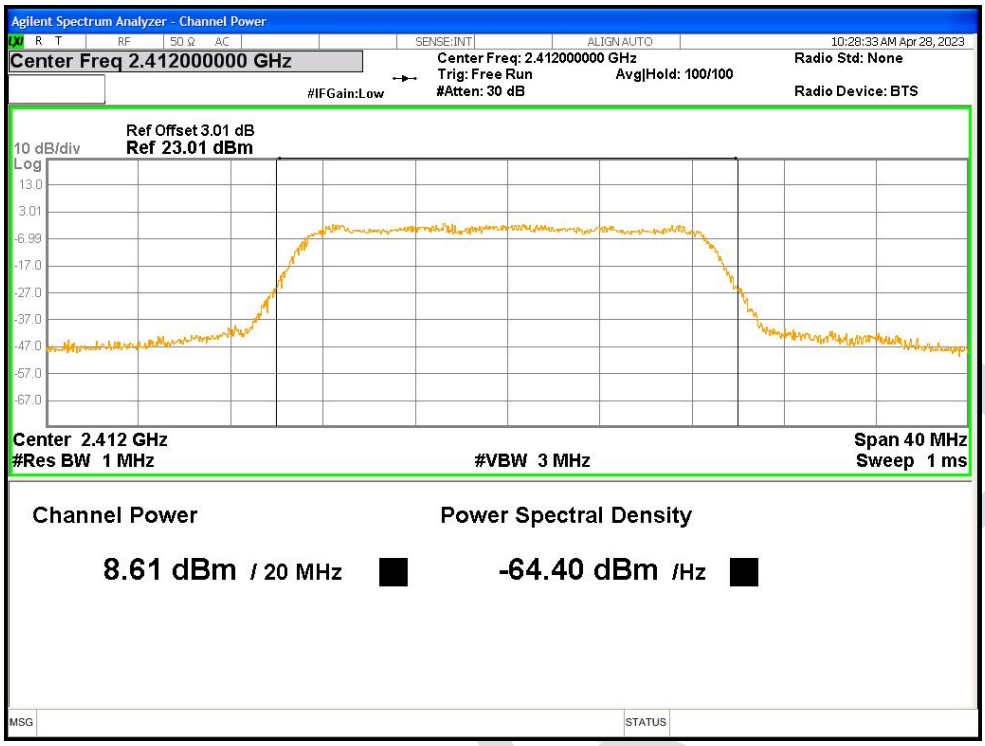
Power NVNT b 2412MHz Ant1



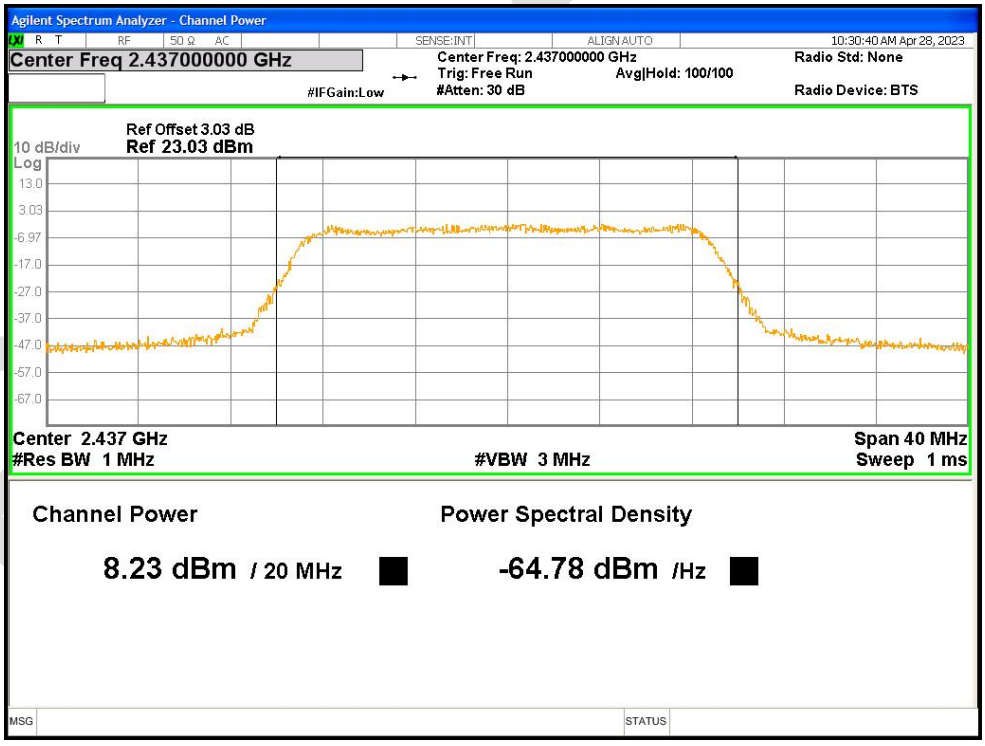

Power NVNT b 2437MHz Ant1


Power NVNT b 2462MHz Ant1

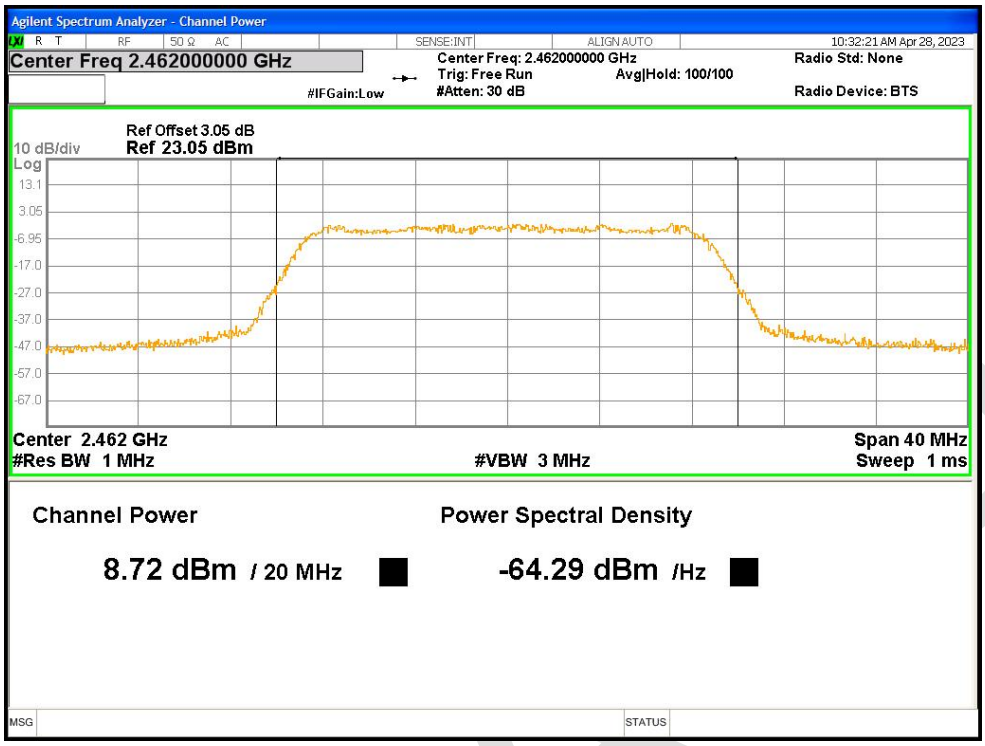

Power NVNT g 2412MHz Ant1



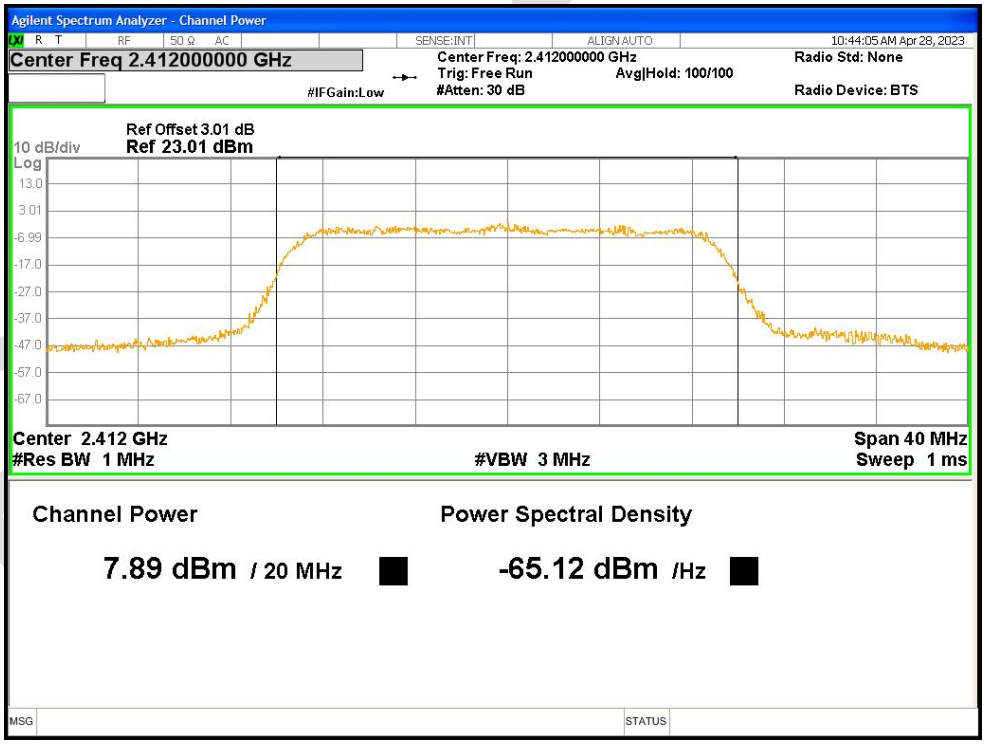

Power NVNT g 2437MHz Ant1



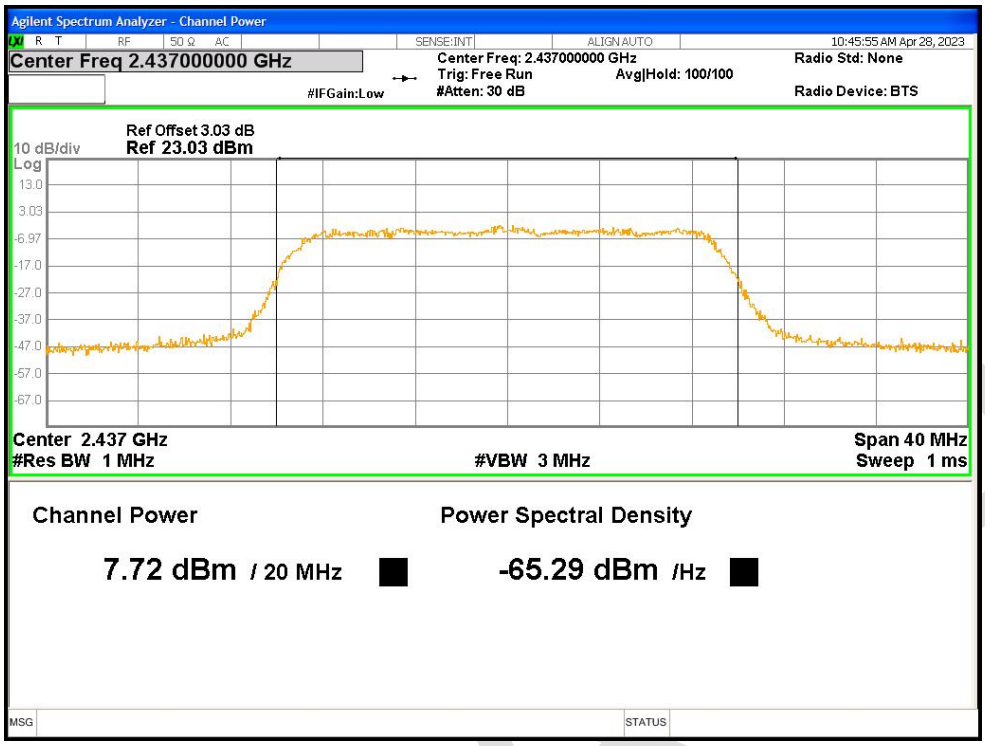

Power NVNT g 2462MHz Ant1



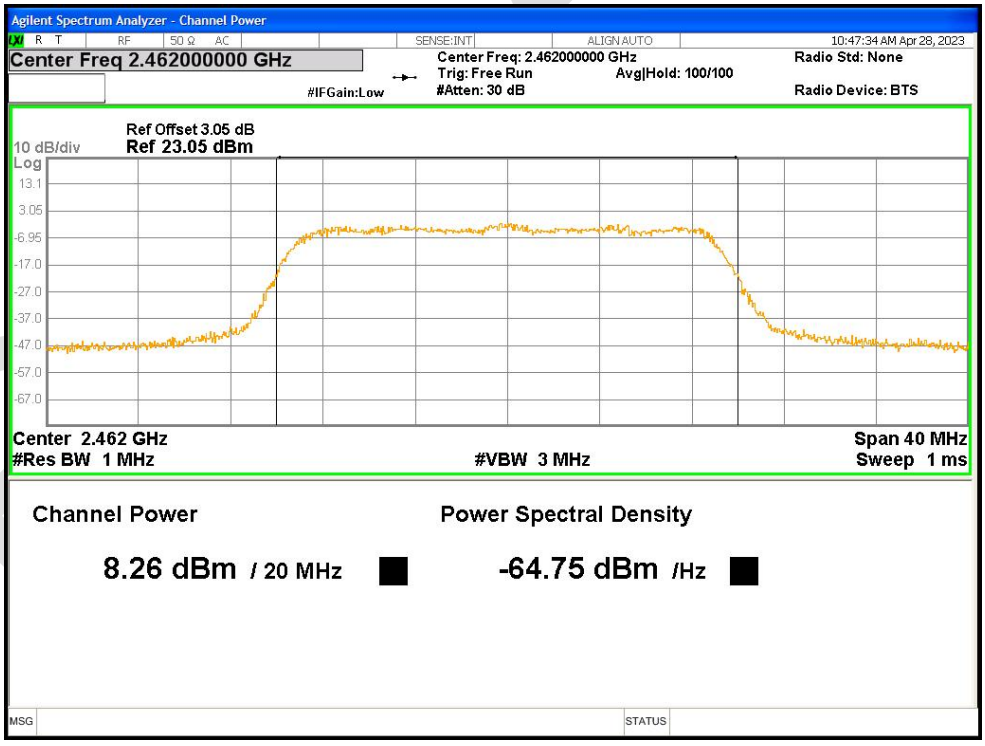

Power NVNT n20 2412MHz Ant1




Power NVNT n20 2437MHz Ant1




Power NVNT n20 2462MHz Ant1




Power NVNT n40 2422MHz Ant1