Certificate #6613.01

# FCC TEST REPORT

# (Part 15, Subpart E)

| | |
|---|---|
| Applicant: | HMD Global Oy |
| Address: | Bertel Jungin aukio 9 Espoo 02600 Finland |

| | |
|---|---|
| Manufacturer or Supplier: | HMD Global Oy |
| Address: | Bertel Jungin aukio 9 Espoo 02600 Finland |
| Product: | Mobile Phone |
| Brand Name: | HMD |
| Model Name: | TA-1606 |
| FCC ID: | 2AJOTTA-1606 |
| Date of tests: | May. 14, 2024 ~ Jun. 13, 2024 |

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 15, Subpart E, Section 15.407**

**CONCLUSION: The submitted sample was found to <u>COMPLY</u> with the test requirement**

| Prepared by Hanwen Xu<br>Engineer / Mobile Department | Approved by Peibo Sun<br>Manager / Mobile Department |
|---|---|
| Xu Hanwen<br>Date: Jun. 13, 2024 | Sun Peibo<br>Date: Jun. 13, 2024 |

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# RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|---|---|---|
| PSU-NQN2405090215RF07 | Original release | Jun. 13, 2024 |

# 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC PART 15, SUBPART E | | |
|---|---|---|
| **STANDARD SECTION** | **TEST TYPE AND LIMIT** | **RESULT** |
| 15.407(b)(9) | AC Power Conducted Emission | Compliance |
| 15.407(b) (1/2/3/4/5) | Radiated Emission & Band Edge Measurement | Compliance |
| 15.407(a/1/2/3) | Maximum conducted output Power | Compliance |
| 15.407(a/1/2/3) | Peak Power Spectral Density | Compliance |
| 15.407(a)(2)(12) | 26 dB Bandwidth | Compliance |
| 15.407(e) | 6 dB Bandwidth | Compliance |
| 15.203 | Antenna Requirement | Compliance |

**NOTE:**

1. Except the data of RSE and Band Edge Measurement, other data please refer to the appendix.

***Test Lab Information Reference**

**Lab A:**

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

**Lab Address:**

Tower N, Innovation Center, 88 Zhuyi Road, High-tech District, Suzhou City, Anhui Province

**Accredited Test Lab Cert 6613.01**

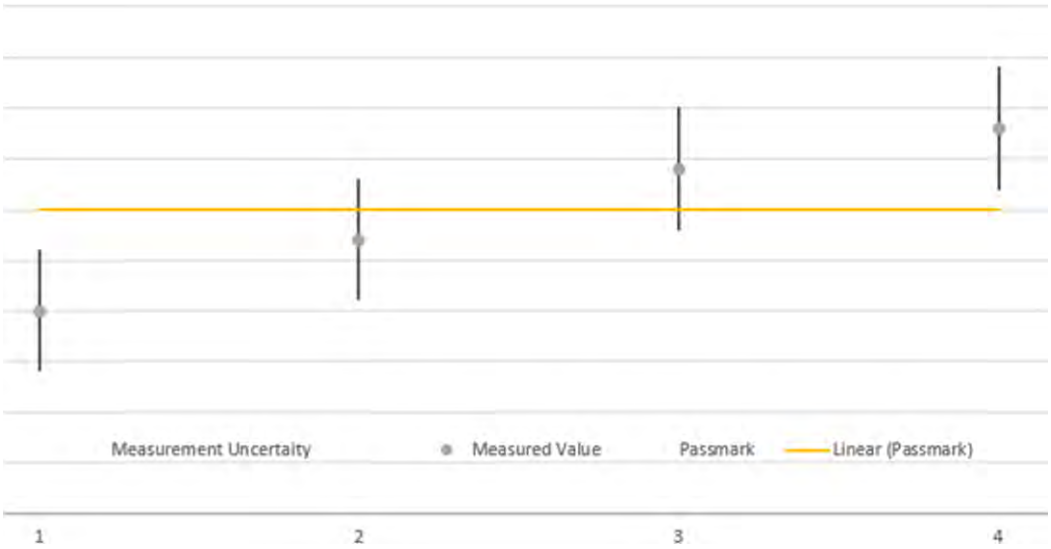
The FCC Site Registration No. is 434559; The Designation No. is CN1325.

## 1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| MEASUREMENT | UNCERTAINTY |
|---|---|
| AC Power Conducted emissions | ±2.70dB |
| Radiated emissions (9KHz~30MHz) | ±2.68dB |
| Radiated emissions (30MHz~1GHz) | ±4.98dB |
| Radiated emissions (1GHz ~6GHz) | ±4.70dB |
| Radiated emissions (6GHz ~18GHz) | ±4.60dB |
| Radiated emissions (18GHz ~40GHz) | ±4.12dB |
| Conducted emissions | ±4.01dB |
| Occupied Channel Bandwidth | ±43.58KHz |
| Conducted Output power | ±2.06dB |
| Power Spectral Density | ±0.85 dB |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.




The verdicts in this test report are given according the above diagram:

| Case | Measured Value | Uncertainty Range | Verdict |
|---|---|---|---|
| 1 | below pass mark | below pass mark | Passed |
| 2 | below pass mark | within pass mark | Passed |
| 3 | above pass mark | within pass mark | Failed |
| 4 | above pass mark | above pass mark | Failed |

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.

# 2 GENERAL INFORMATION

## 2.1 GENERAL DESCRIPTION OF EUT

| | |
|---|---|
| **PRODUCT*** | Mobile Phone |
| **BRAND NAME*** | HMD |
| **MODEL NAME*** | TA-1606 |
| **NOMINAL VOLTAGE*** | 5.0 or 9.0 or 12.0 Vdc (adapter)<br>3.87Vdc (battery) |
| **MODULATION** | OFDM |
| **TRANSFER RATE** | 802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps<br>802.11n: up to 150.0Mbps<br>802.11ac: up to 433.3Mbps |
| **OPERATING FREQUENCY** | 5180 ~ 5240MHz, 5260 ~ 5320MHz,<br>5500 ~ 5700MHz, 5745 ~ 5825MHz |
| **NUMBER OF CHANNEL** | 5180 ~ 5240MHz: 4 for 802.11a, 802.11n, 802.11ac (20MHz)<br>2 for 802.11n, 802.11ac (40MHz)<br>1 for 802.11ac (80MHz)<br>5260 ~ 5320MHz: 4 for 802.11a, 802.11n, 802.11ac (20MHz)<br>2 for 802.11n, 802.11ac (40MHz)<br>1 for 802.11ac (80MHz)<br>5500 ~ 5700MHz: 11 for 802.11a, 802.11n, 802.11ac(20MHz)<br>5 for 802.11n, 802.11ac (40MHz)<br>2 for 802.11ac (80MHz)<br>5745 ~ 5825MHz: 5 for 802.11a, 802.11n, 802.11ac (20MHz)<br>3 for 802.11n, 802.11ac (40MHz)<br>1 for 802.11ac (80MHz) |
| **AVERAGE POWER** | 20.32 mW for 5180 ~ 5240MHz<br>22.49 mW for 5260 ~ 5320MHz<br>24.55 mW for 5500 ~ 5700MHz<br>23.23 mW for 5745 ~ 5825MHz |
| **ANTENNA TYPE*** | PIFA Antenna |
| **ANTENNA GAIN*** | 2.5dBi for 5180 ~ 5240MHz<br>2.5dBi for 5260 ~ 5320MHz<br>2.5dBi for 5500 ~ 5700MHz<br>2.5dBi for 5745 ~ 5825MHz |
| **HW VERSION*** | V00 |
| **SW VERSION*** | V0.019_A01 |
| **I/O PORTS*** | Refer to user's manual |
| **CABLE SUPPLIED*** | USB cable1: non-shielded cable, with w/o ferrite core, 1.0 meter<br>USB cable2: non-shielded cable, with w/o ferrite core, 1.0 meter<br>USB cable3: non-shielded cable, with w/o ferrite core, 1.0 meter |

| | |
|---|---|
| | USB cable4: non-shielded cable, with w/o ferrite core, 1.0 meter |

**NOTE**:

1. *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, Test Lab is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

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

3. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

| MODULATION MODE | TX FUNCTION |
|---|---|
| **802.11a** | 1TX/1RX |
| **802.11n/802.11ac (20MHz)** | 1TX/1RX |
| **802.11n/802.11ac (40MHz)** | 1TX/1RX |
| **802.11ac (80MHz)** | 1TX/1RX |

4. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in the test report.

5. For the product of TA-1606 (FCC ID: 2AJOTTA-1606), the following components are different between the first and second supply, other parameters are the same.

**Key Component List**

| No. | Component | Description | First supply | | Second supply | |
|---|---|---|---|---|---|---|
| | | | SUPPLIER | Spec | SUPPLIER | Spec |
| 1 | NMOS | PCBA | PRISEMI | PNM3FD20V2 | JSCJ | CJBA3134K |
| 2 | E-compass | | MEMSIC | MMC5603NJ | QST | QMC6308-TR |
| 3 | Memory-256GB | | FORESEE | FEUDNN256G-C2G07 | BIWIN | BWU2ASV46A256G |
| 4 | Memory-64GB | | FORESEE | FLXC4008G-30 | BIWIN | BWMZCX32H2A-64G-X |
| 5 | nano-SIM | | LCN | CAF99-06033-0305 | HRD | S186-1B01F13F |
| 6 | T-card | | LCN | CAF11-08136-031901 | HRD | S186-1B02F13F |
| 7 | iron covering | | LCN | CAF00-21134-032307 | HRD | S186-2B21F13F-1 |
| 8 | Type C connector | | LETCON | 15-16815-110 | LCN | UAF05-16323-3007 |
| 9 | headphone socket | | LETCON | 11-058126A | HRD | PH157-0B12F36M |
| 10 | G sensor | | slan | 2*2 12bit | sensortek | 2*2 12bit |
| 11 | Proximity light sensor | | Liteon | LTR-569ALS-02 | sensortek | STK3335-X |
| 12 | Backlight driver | | AWINIC | dfn2*2-6L | broadchip | dfn2*2-6L |
| 13 | Flash driver | | AWINIC | 2A DCDC | OCS | 2A DCDC |
| 14 | CKDID baschip | | AWINIC | ±5V | OCS | ±5V |
| 15 | overvoltage protection chip | | broadchip | 6.8V FCQFN12 | AWINIC | 6.8V FCQFN12 |
| 16 | CKD BDS/GPS/GAL LNA | | SILICONWAVE | LNA 1.5*1.0 6pin | AWINIC | LNA 1.5*1.0 6pin |
| 17 | MIC | | GETTOP | 2.75*1.85*0.9mm | YUTAI | 2.75*1.85*0.9mm |
| 18 | LCM | LCD | HUAXIAN | incell5.56HD+ | DZX | incell5.56HD+ |
| 19 | Macro cam | camera | CXT | 2M CSP | lianhe | 2M CSP |
| 20 | Finger print | module | SYX | side fingerprint | SHENAO | side fingerprint |
| 21 | Battery | | GAOYUAN | Rated: 4900mAh<br>Typical: 5000mAh | FENGHUA | Rated: 4900mAh<br>Typical: 5000mAh |
| 22 | Receiver | | SENNOR | '0809 | TUNESS | '0809 |
| 23 | Vibrator | | JX | 0830 3.35mm | JD | 0830 3.35mm |
| 24 | Charger US | | BJD | 5V 2A | JUWEI | 5V 2A |
| 25 | Data cable | | JUWEI | A-C | FKY | A-C |
| | | | JUWEI | C-C | FKY | C-C |

**List of Accessory:**

| ACCESSORIES | BRAND | MANUFACTURER | MODEL | SPECIFICATION |
|---|---|---|---|---|
| Battery 1 | HMD | Gaoyuan | HBA5020AA | Power Rating: 3.87 Vdc;18.963 Wh;4900 mAh |
| Battery 2 | HMD | Fenghua | HBA5020AA | Power Rating: 3.87 Vdc;18.963 Wh;4900 mAh |
| AC Adapter 1 | HMD | Shenzhen Baijunda Electronics Co.,Ltd | HAD-020U(US-PD 20W) | I/P: 100-240 V,50~60Hz,0.6A O/P: USB-C Output:5.0V 3.0A or 9.0V 2.22A or 12.0V 1.67A 20.0W Max |
| AC Adapter 2 | HMD | Shenzhen Baijunda Electronics Co.,Ltd | HAD-010U(US) | I/P: 100-240 V,50~60Hz,0.35A O/P: 5V 2A,10W |
| AC Adapter 3 | HMD | Huizhou Juwei Electronics Co., Ltd. | HAD-010U(US) | I/P: 100-240 V,50~60Hz,0.35A O/P: 5V 2A,10W |
| Earphone | HMD | N/A | JWEP1266-H24H | N/A |
| USB Cable 1 | HMD | JUWEI | JWUB1684-M01H | A to C |
| USB Cable 2 | HMD | JUWEI | JWUB1688-M01H | C to C |
| USB Cable 3 | HMD | FUKANGYUAN | FKY-23-368 | A to C |
| USB Cable 4 | HMD | FUKANGYUAN | FKY-23-369 | C to C |

## 2.2 DESCRIPTION OF TEST MODES

**FOR 5180 ~ 5240MHz**

4 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 36 | 5180 MHz | 44 | 5220 MHz |
| 40 | 5200 MHz | 48 | 5240 MHz |

2 channels are provided for 802.11n, 802.11ac (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 38 | 5190 MHz | 46 | 5230 MHz |

1 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 42 | 5210 MHz | | |

**FOR 5260 ~ 5320MHz**

4 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 52 | 5260 MHz | 60 | 5300 MHz |
| 56 | 5280 MHz | 64 | 5320 MHz |

2 channels are provided for 802.11n, 802.11ac (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 54 | 5270 MHz | 62 | 5310 MHz |

1 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 58 | 5290 MHz | | |

**FOR 5500 ~ 5700MHz**

11 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 100 | 5500 MHz | 124 | 5620MHz |
| 104 | 5520 MHz | 128 | 5640MHz |
| 108 | 5540 MHz | 132 | 5660 MHz |
| 112 | 5560 MHz | 136 | 5680 MHz |
| 116 | 5580 MHz | 140 | 5700 MHz |
| 120 | 5600 MHz | | |

5 channels are provided for 802.11n, 802.11ac (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 102 | 5510 MHz | 126 | 5630MHz |
| 110 | 5550 MHz | 134 | 5670 MHz |
| 118 | 5590 MHz | | |

2 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 106 | 5530 MHz | 122 | 5610 MHz |

**FOR 5745 ~ 5825MHz**

5 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 149 | 5745 MHz | 161 | 5805 MHz |
| 153 | 5765 MHz | 165 | 5825 MHz |
| 157 | 5785 MHz | | |

2 channels are provided for 802.11n, 802.11ac (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 142 | 5710 MHz | 159 | 5795 MHz |
| 151 | 5755 MHz | | |

1 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY |
|---|---|
| 155 | 5775 MHz |

### 2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

| EUT CONFIGURE MODE | APPLICABLE TO | | | | DESCRIPTION |
|---|---|---|---|---|---|
| | RE≥1G | RE<1G | PLC | APCM | |
| **A** | √ | √ | √ | - | **Powered by Adapter with wifi(5G) link** |
| B | - | - | - | √ | Powered by Battery with wifi(5G) link |
| C | - | - | - | - | Powered by USB with wifi(5G) link |

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
**PLC:** Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

**NOTE:**
The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane.**
**NOTE:** "-"means no effect

**RADIATED EMISSION TEST (BELOW 1GHz):**

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| A | 802.11ac (80MHz) | 5500-5700 | 106 | 106 | OFDM | MCS0 |

## RADIATED EMISSION TEST (ABOVE 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| A | 802.11a | 5180-5240 | 36 to 48 | 36, 40, 48 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 36 to 48 | 36, 40, 48 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 38 to 46 | 38, 46 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 42 | 42 | OFDM | MCS0 |
| A | 802.11a | 5260-5320 | 52 to 64 | 52, 60, 64 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 52 to 64 | 52, 60, 64 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 54 to 62 | 54, 62 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 58 | 58 | OFDM | MCS0 |
| A | 802.11a | 5500-5700 | 100 to 140 | 100, 116, 140 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 100 to 140 | 100, 116, 140 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 102 to 134 | 102, 110, 134 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 106 to 122 | 106, 122 | OFDM | MCS0 |
| A | 802.11a | 5745-5825 | 149 to 165 | 149, 157,165 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 149 to 165 | 149, 157,165 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 151 to 159 | 151, 159 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 155 | 155 | OFDM | MCS0 |

## POWER LINE CONDUCTED EMISSION TEST:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| A | 802.11ac (80MHz) | 5500-5700 | 106 | 106 | OFDM | MCS0 |

## BANDEDGE MEASUREMENT:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| A | 802.11a | 5180-5240 | 36 to 48 | 36, 40, 48 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 36 to 48 | 36, 40, 48 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 38 to 46 | 38, 46 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 42 | 42 | OFDM | MCS0 |
| A | 802.11a | 5260-5320 | 52 to 64 | 52, 60, 64 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 52 to 64 | 52, 60, 64 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 54 to 62 | 54, 62 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 58 | 58 | OFDM | MCS0 |
| A | 802.11a | 5500-5700 | 100 to 140 | 100, 116, 140 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 100 to 140 | 100, 116, 140 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 102 to 134 | 102, 110, 134 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 106 to 122 | 106, 122 | OFDM | MCS0 |
| A | 802.11a | 5745-5825 | 149 to 165 | 149, 157,165 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 149 to 165 | 149, 157,165 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 151 to 159 | 151, 159 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 155 | 155 | OFDM | MCS0 |

## ANTENNA PORT CONDUCTED MEASUREMENT:

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| B | 802.11a | 5180-5240 | 36 to 48 | 36, 40, 48 | OFDM | 6.0 |
| B | 802.11n/ac (20MHz) | | 36 to 48 | 36, 40, 48 | OFDM | MCS0 |
| B | 802.11n/ac (40MHz) | | 38 to 46 | 38, 46 | OFDM | MCS0 |
| B | 802.11ac (80MHz) | | 42 | 42 | OFDM | MCS0 |
| B | 802.11a | 5260-5320 | 52 to 64 | 52, 60, 64 | OFDM | 6.0 |
| B | 802.11n/ac (20MHz) | | 52 to 64 | 52, 60, 64 | OFDM | MCS0 |
| B | 802.11n/ac (40MHz) | | 54 to 62 | 54, 62 | OFDM | MCS0 |
| B | 802.11ac (80MHz) | | 58 | 58 | OFDM | MCS0 |
| B | 802.11a | 5500-5700 | 100 to 140 | 100, 116, 140 | OFDM | 6.0 |
| B | 802.11n/ac (20MHz) | | 100 to 140 | 100, 116, 140 | OFDM | MCS0 |
| B | 802.11n/ac (40MHz) | | 102 to 134 | 102, 110, 134 | OFDM | MCS0 |
| B | 802.11ac (80MHz) | | 106 to 122 | 106, 122 | OFDM | MCS0 |
| B | 802.11a | 5745-5825 | 149 to 165 | 149, 157,165 | OFDM | 6.0 |
| B | 802.11n/ac (20MHz) | | 149 to 165 | 149, 157,165 | OFDM | MCS0 |
| B | 802.11n/ac (40MHz) | | 151 to 159 | 151, 159 | OFDM | MCS0 |
| B | 802.11ac (80MHz) | | 155 | 155 | OFDM | MCS0 |

## TEST CONDITION:

| APPLICABLE TO | ENVIRONMENTAL CONDITIONS | INPUT POWER | TESTED BY |
|---|---|---|---|
| RE<1G | 23deg. C, 70%RH | DC 5V By Adapter | Hanwen Xu |
| RE≥1G | 23deg. C, 70%RH | DC 5V By Adapter | Hanwen Xu |
| PLC | 25deg. C, 52%RH | DC 5V By Adapter | Hanwen Xu |
| APCM | 25deg. C, 60%RH | DC 3.87V By Battery | Hanwen Xu |

## 2.3 DUTY CYCLE OF TEST SIGNAL

Please Refer to Appendix Of this test report.

**WORST-CASE DATA:**

| Measured Duty Cycle | | |
|---|---|---|
| Mode | | Duty Cycle [%] |
| | | ANT1 |
| 5GHZ | 11a | 89.02 |
| | 11n20 | 87.12 |
| | 11n40 | 77.15 |
| | 11ac20 | 87.85 |
| | 11ac40 | 77.34 |
| | 11ac80 | 61.66 |

Note:
Duty cycle of test signal is < 98%, duty factor shall be considered.

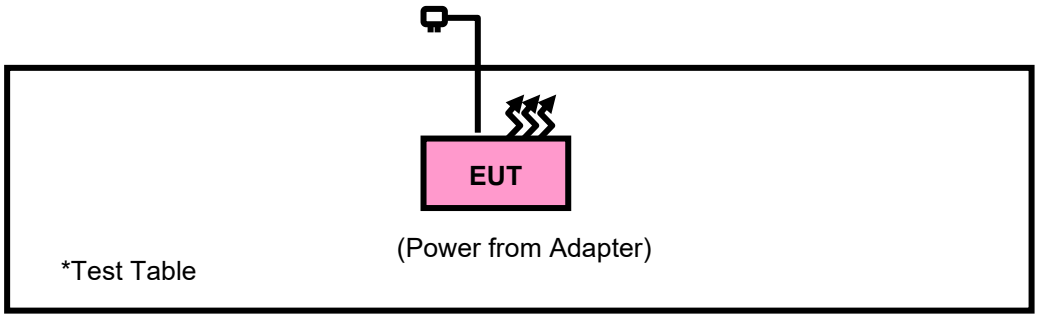
## 2.4 DESCRIPTION OF SUPPORT UNITS

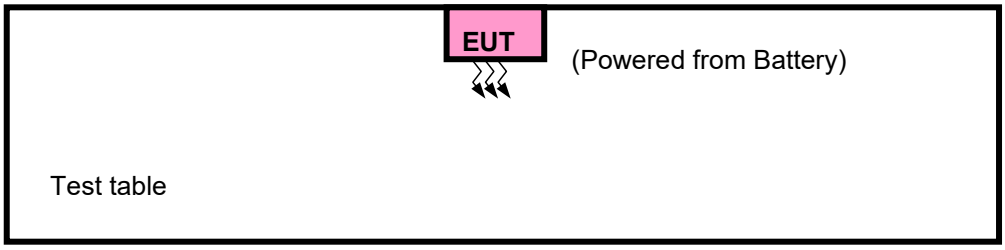
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| NO. | PRODUCT | BRAND | MODEL NO. | SERIAL NO. | FCC ID |
|---|---|---|---|---|---|
| 1 | Laptop | Lenovo | ThinkPad E14 | HRSW00024 | N/A |
| 2 | Adapter | N/A | N/A | N/A | N/A |

| NO. | SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS |
|---|---|
| 1 | N/A |

## 2.4.1 CONFIGURATION OF SYSTEM UNDER TEST



## 2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is an RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC Part 15, Subpart E (15.407)**
**KDB 789033 D02 General U-NII Test Procedures New Rules v02r01**
ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

**NOTE:** The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (Certification). The test report has been issued separately.

# 3 TEST TYPES AND RESULTS

## 3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

### 3.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

| FREQUENCIES (MHz) | FIELD STRENGTH (microvolts/meter) | MEASUREMENT DISTANCE (meters) |
|---|---|---|
| 0.009 ~ 0.490 | 2400/F(kHz) | 300 |
| 0.490 ~ 1.705 | 24000/F(kHz) | 30 |
| 1.705 ~ 30.0 | 30 | 30 |
| 30 ~ 88 | 100 | 3 |
| 88 ~ 216 | 150 | 3 |
| 216 ~ 960 | 200 | 3 |
| Above 960 | 500 | 3 |

**NOTE**:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

### 3.1.2 LIMITS OF UNWANTED EMISSION

| | APPLICABLE TO | LIMIT | |
|---|---|---|---|
| RESTRICTED BANDS | 789033 D02 General UNII Test Procedures New Rules v02r01 | FIELD STRENGTH AT 3m (dBμV/m) | |
| | | PK : 74 | AV : 54 |
| OUT OF THE RESTRICTED BANDS | APPLICABLE TO | EIRP LIMIT (dBm/MHz) | EQUIVALENT FIELD STRENGTH AT 3m (dBμV/m) |
| | 15.407(b)(1) | PK : -27 | PK : 68.2 |
| | 15.407(b)(2) | | |
| | 15.407(b)(3) | | |
| | 15.407(b)(4) | See note 2 (FCC 16-24) | |

**NOTE:** The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts).

2. All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

### 3.1.3 TEST INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|---|---|---|---|---|---|
| Pre-Amplifier | R&S | SCU18F1 | 100815 | Aug.30,22 | Aug.29,24 |
| Pre-Amplifier | R&S | SCU08F1 | 101028 | Sep.16,22 | Sep.15,24 |
| Signal Generator | R&S | SMB100A | 182185 | Feb.16,24 | Feb.15,26 |
| 3m Fully-anechoic Chamber | TDK | 9m*6m*6m | HRSW-SZ-EMC-01Chamber | Nov.25,22 | Nov.24,25 |
| 3m Semi-anechoic Chamber | TDK | 9m*6m*6m | HRSW-SZ-EMC-02Chamber | Nov.25,22 | Nov.24,25 |
| EMI TEST Receiver | R&S | ESW44 | 101973 | Feb.25,24 | Feb.24,26 |
| Bilog Antenna | SCHWARZBECK | VULB 9163 | 1264 | Feb.28,24 | Feb.27,26 |
| Horn Antenna | ETS-LINDGREN | 3117 | 227836 | Aug.22,22 | Aug.21,24 |
| Horn Antenna (18GHz-40GHz) | Steatite Q-par Antennas | QMS 00880 | 23486 | Feb.23,24 | Feb.22,26 |
| Horn Antenna | Steatite Q-par Antennas | QMS 00208 | 23485 | Aug.22,22 | Aug.21,24 |
| Loop Antenna | SCHWARZ | HFH2-Z2/Z2E | 100976 | Feb.23,24 | Feb.22,26 |
| WIDEBANDRADIO COMMUNICATION TESTER | R&S | CMW500 | 169399 | Jun.27,22 | Jun.26,24 |
| Test Software | ELEKTRA | ELEKTRA4.32 | N/A | N/A | N/A |
| Open Switch and Control Unit | R&S | OSP220 | 101964 | N/A | N/A |
| DC Source | HYELEC | HY3010B | 551016 | Aug.31,22 | Aug.30,24 |
| Hygrothermograph | DELI | 20210528 | SZ014 | Sep.06,22 | Sep.05,24 |
| PC | LENOVO | E14 | HRSW0024 | N/A | N/A |
| TMC-AMI18843A(CABLE) | R&S | HF290-NMNM-7.00M | N/A | N/A | N/A |
| TMC-AMI18843A(CABLE) | R&S | HF290-NMNM-4.00M | N/A | N/A | N/A |
| CABLE | R&S | W13.02 | N/A | Apr.28,24 | Apr.27,25 |
| CABLE | R&S | W12.14 | N/A | Apr.28,24 | Apr.27,25 |

**NOTE:** 1. The calibration interval of the above test instruments is 12 months or 24 months or 36 months, and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

2. The test was performed in the 3m Chamber.

3. The FCC Site Registration No. is 434559; The Designation No. is CN1325.

### 3.1.4 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3-meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height varies from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise, the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

**NOTE:**

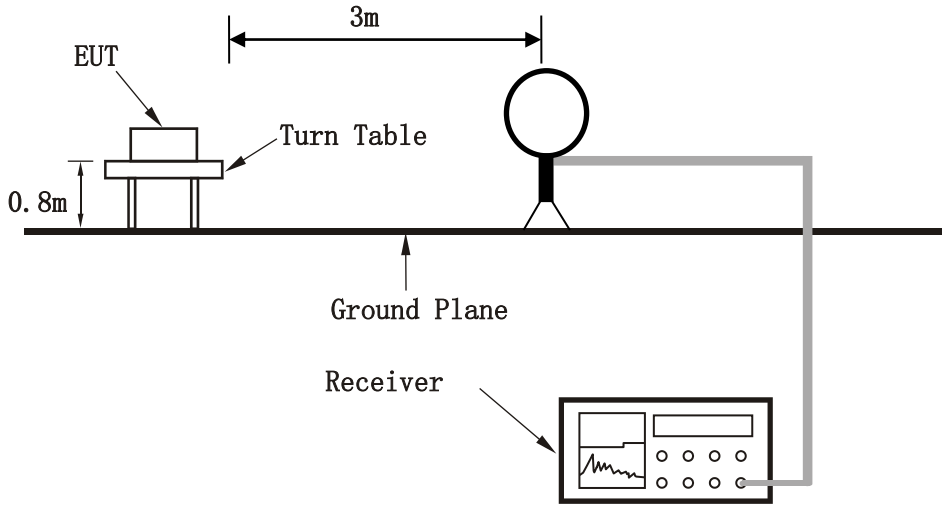
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated, and the worst-case emissions are reported.

### 3.1.5 DEVIATION FROM TEST STANDARD

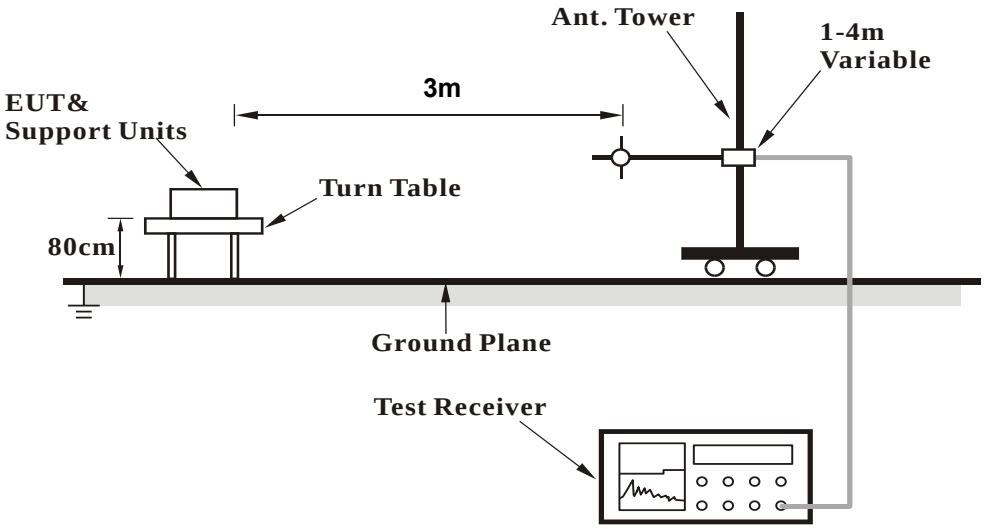
No deviation.

## 3.1.6 TEST SETUP

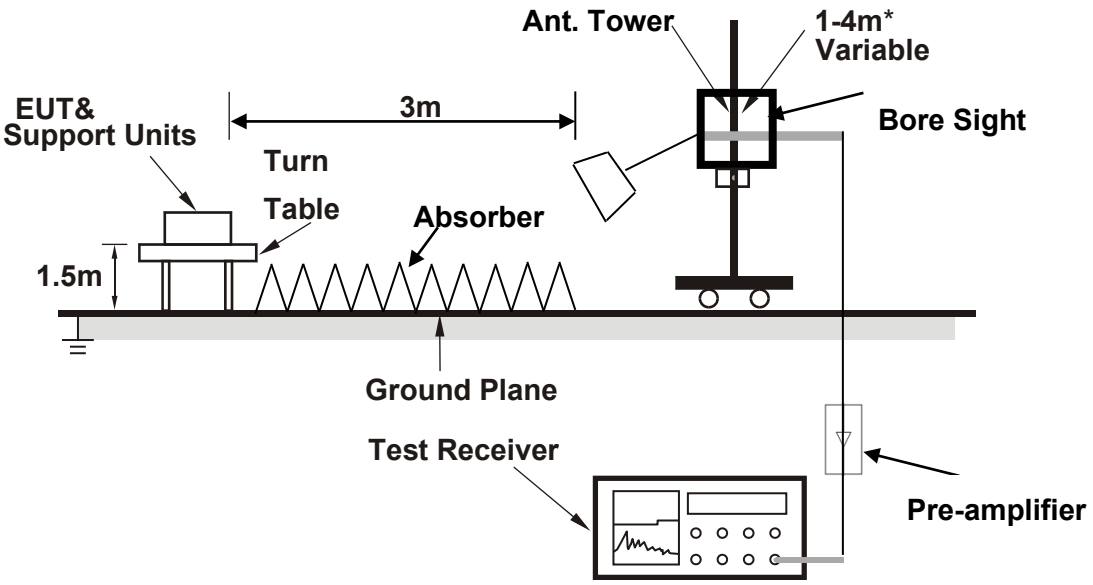
**<Frequency Range 9KHz~30MHz >**




**< Frequency Range 30MHz~1GHz >**



**<Frequency Range above 1GHz>**




**Note**: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

### 3.1.7 EUT OPERATING CONDITION

a. Set the EUT under full load condition and placed it on a testing table.
b. Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
c. The necessary accessories enable the EUT in full functions.

### 3.1.8 TEST RESULTS

NOTE ： The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

**BELOW 1GHz WORST-CASE DATA:**

**30 MHz – 1GHz data:**

**Band 4**

**802.11ac20**

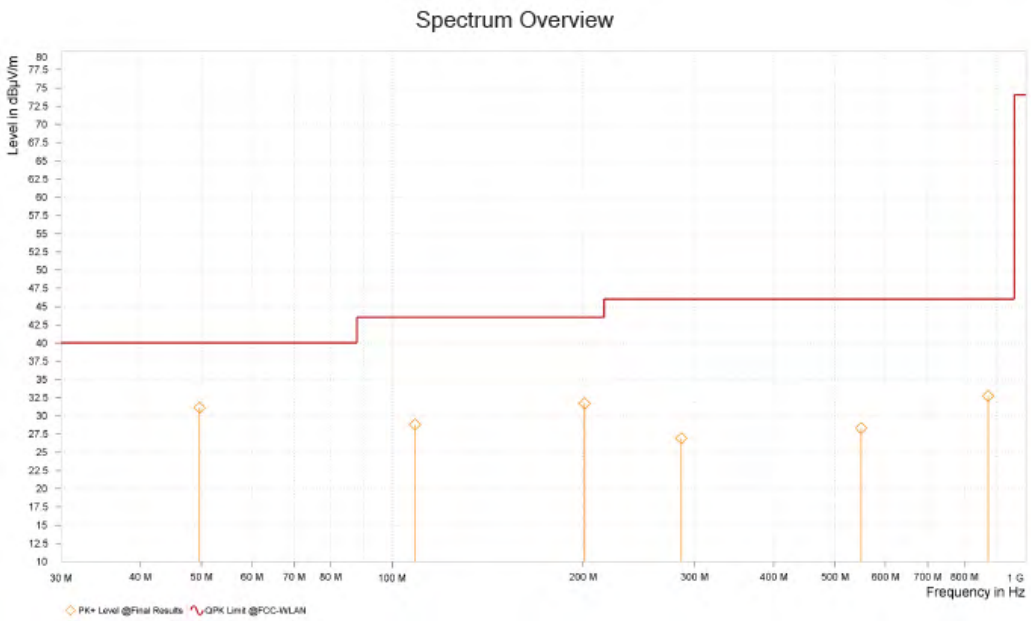
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 165 | **DETECTOR FUNCTION** | Quasi-Peak (QP) |
| **FREQUENCY RANGE** | 30MHz ~ 1GHz | | |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+: QPK Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 49.643 | 31.10 | 40.00 | 8.90 | -7.49 | H | 5.1 | 1.00 |
| 1 | 108.667 | 28.79 | 43.50 | 14.71 | -9.20 | H | 262.4 | 1.00 |
| 1 | 201.108 | 31.68 | 43.50 | 11.82 | -8.49 | H | 100.1 | 2.00 |
| 1 | 286.129 | 26.87 | 46.00 | 19.13 | -5.97 | H | 128.6 | 1.00 |
| 1 | 549.872 | 28.29 | 46.00 | 17.71 | -3.02 | H | 1 | 1.00 |
| 1 | 871.863 | 32.70 | 46.00 | 13.30 | 2.52 | H | 358.3 | 1.00 |

**REMARKS:**

1. Emission level (dBuV/m) = Read level (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Limit value- Emission level.



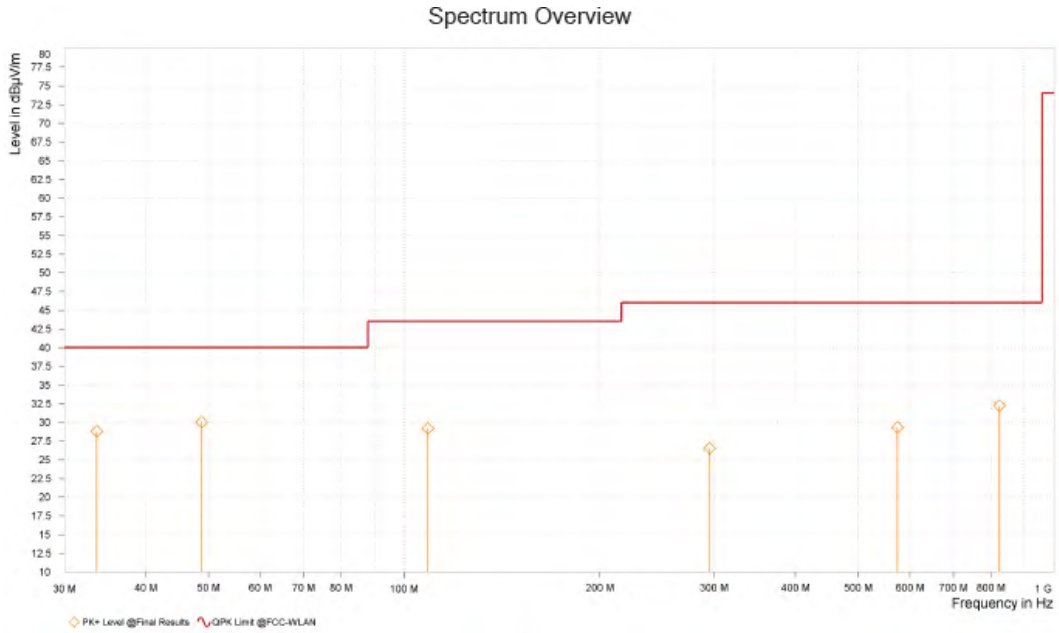
| CHANNEL | Channel 165 | DETECTOR FUNCTION | Quasi-Peak (QP) |
|---|---|---|---|
| FREQUENCY RANGE | 30MHz ~ 1GHz | | |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+: QPK Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 33.638 | 28.81 | 40.00 | 11.19 | -10.22 | V | 0.9 | 2.00 |
| 1 | 48.770 | 30.00 | 40.00 | 10.00 | -7.41 | V | 262.4 | 1.00 |
| 1 | 108.716 | 29.20 | 43.50 | 14.30 | -9.20 | V | 1.8 | 2.00 |
| 1 | 295.198 | 26.53 | 46.00 | 19.47 | -5.74 | V | 231.5 | 2.00 |
| 1 | 574.413 | 29.30 | 46.00 | 16.70 | -2.54 | V | 0.9 | 2.00 |
| 1 | 824.430 | 32.22 | 46.00 | 13.78 | 1.43 | V | 231.5 | 2.00 |

**REMARKS:**

1. Emission level (dBuV/m) = Read level (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Limit value- Emission level.



**ABOVE 1GHz WORST-CASE DATA:**

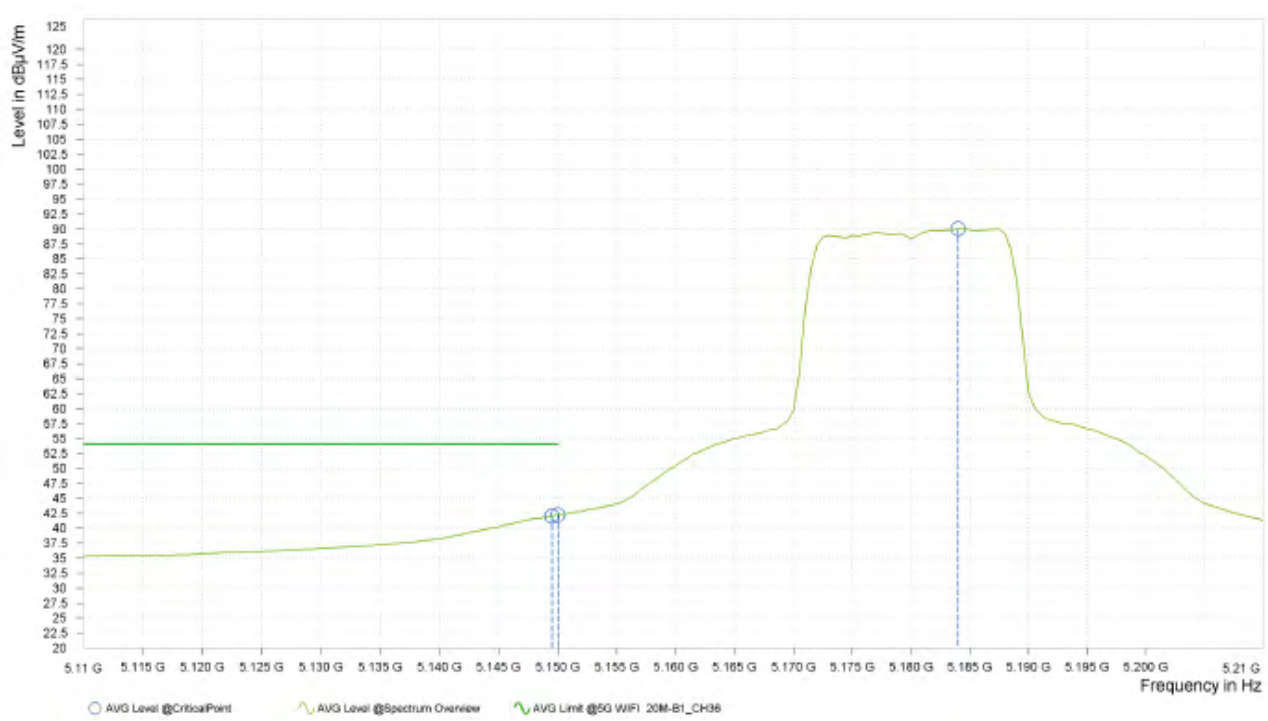
**Note:** For higher frequency, the emission is too low to be detected.

**BAND EDGE MEASUREMENT**

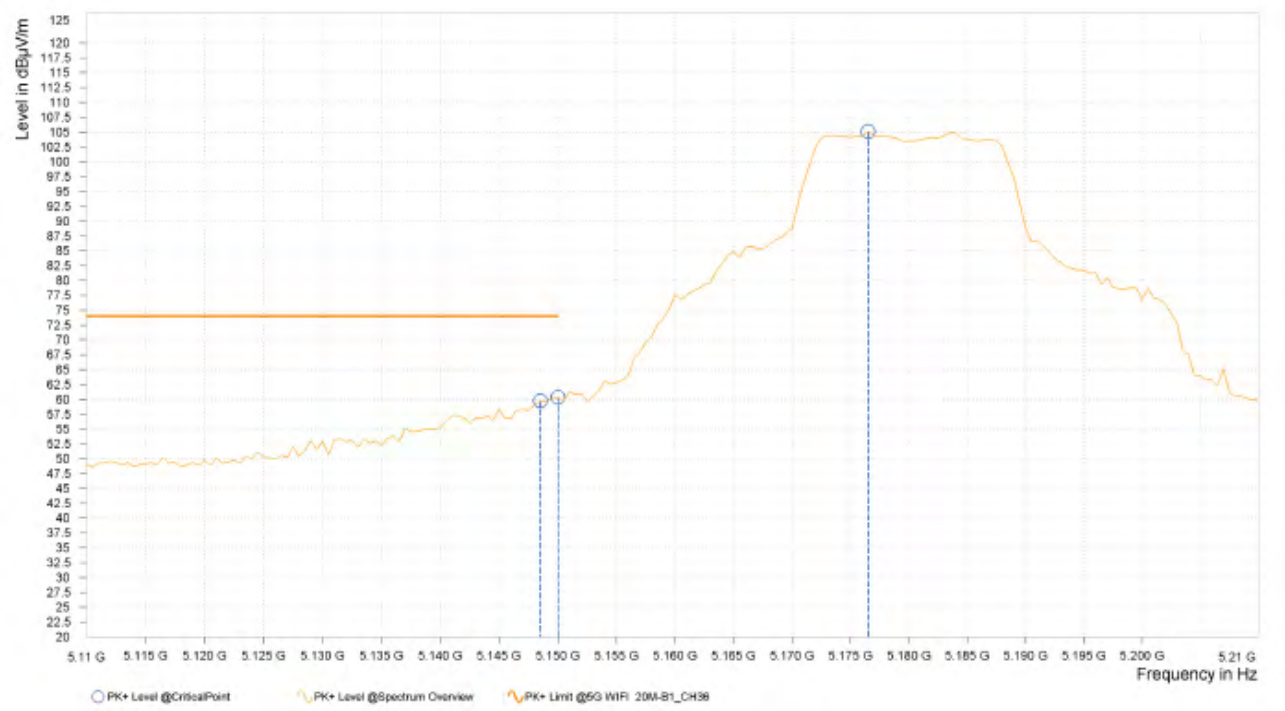
**Band 1**

**802.11a**

| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 36 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |

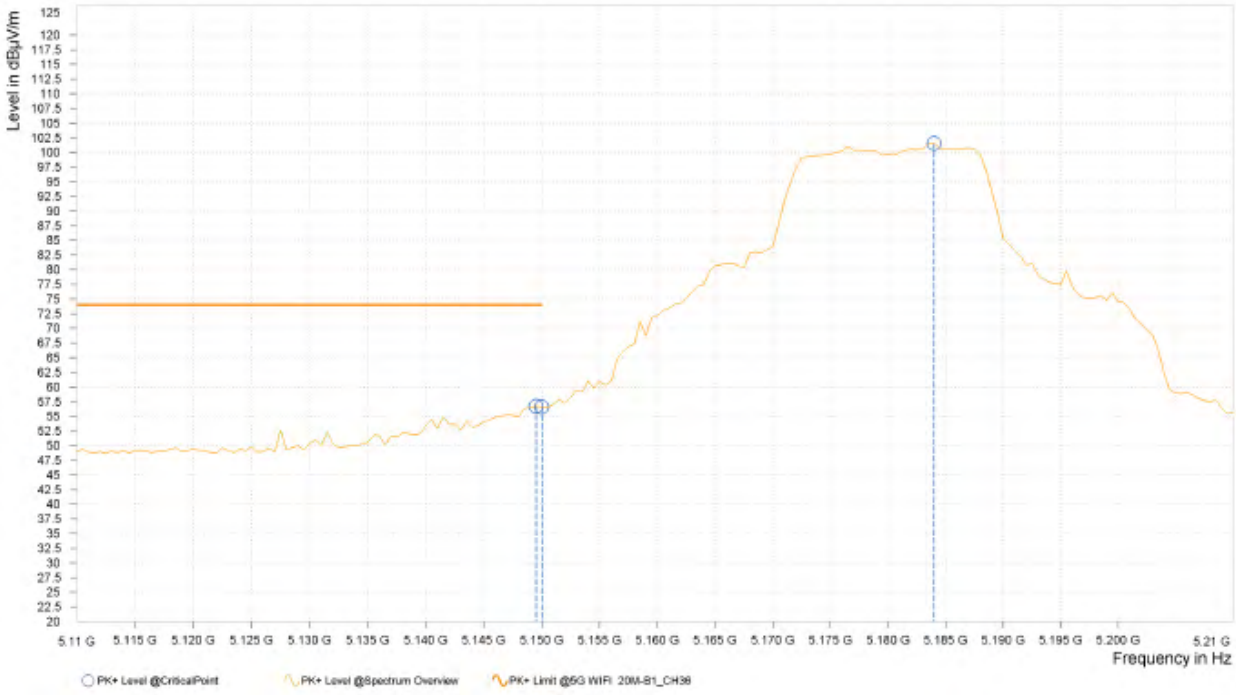



| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.500 | 42.03 | 54.00 | 11.97 | 10.77 | H | 164.2 | 1.00 |
| 1 | 5,150.000 | 42.22 | 54.00 | 11.78 | 10.77 | H | 164.2 | 1.00 |
| 1 | 5,184.000 | 90.06 | | | 10.88 | H | 164.2 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,148.500 | 59.72 | 74.00 | 14.28 | 10.76 | H | 152.2 | 1.00 |
| 1 | 5,150.000 | 60.31 | 74.00 | 13.69 | 10.77 | H | 152.2 | 1.00 |
| 1 | 5,176.500 | 105.10 | | | 10.85 | H | 152.2 | 1.00 |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,147.000 | 38.19 | 54.00 | 15.81 | 10.76 | V | 183.8 | 2.00 |
| 1 | 5,150.000 | 39.15 | 54.00 | 14.85 | 10.77 | V | 213.3 | 1.00 |
| 1 | 5,177.000 | 87.33 | | | 10.86 | V | 267.1 | 1.00 |

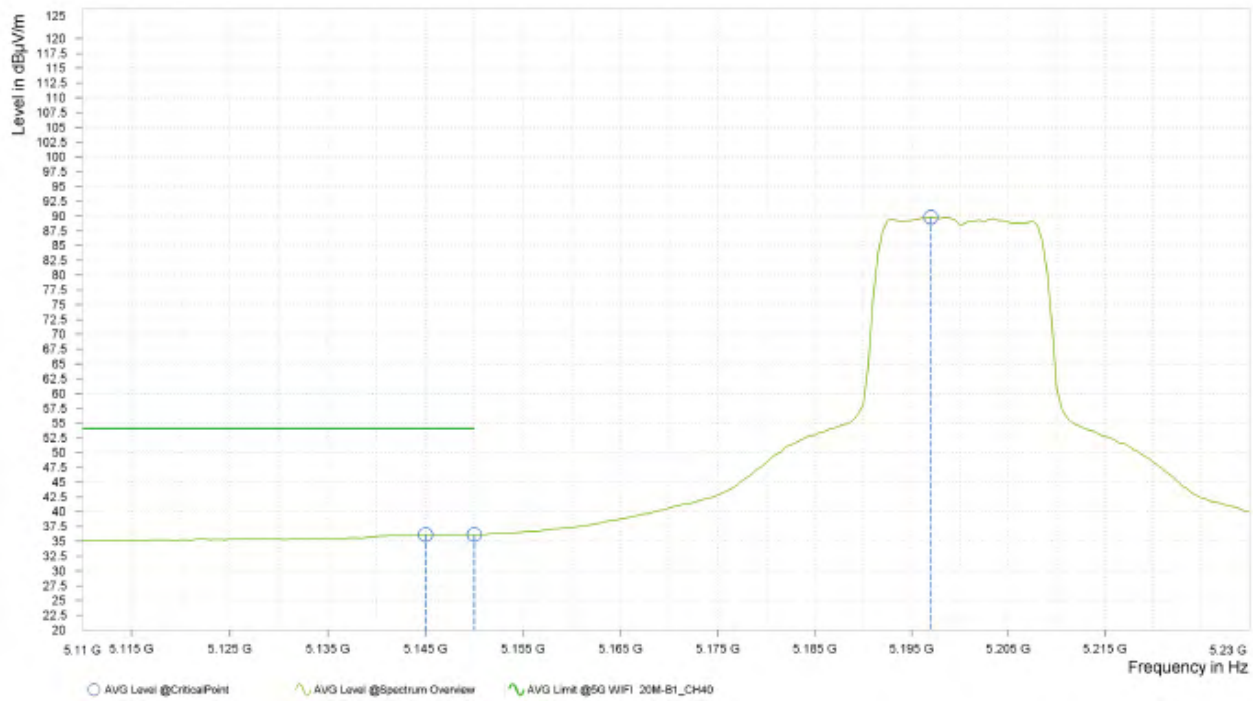



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.500 | 56.74 | 74.00 | 17.26 | 10.77 | V | 103.2 | 1.00 |
| 1 | 5,150.000 | 56.60 | 74.00 | 17.40 | 10.77 | V | 103.2 | 1.00 |
| 1 | 5,184.000 | 101.57 | | | 10.88 | V | 263.4 | 1.00 |

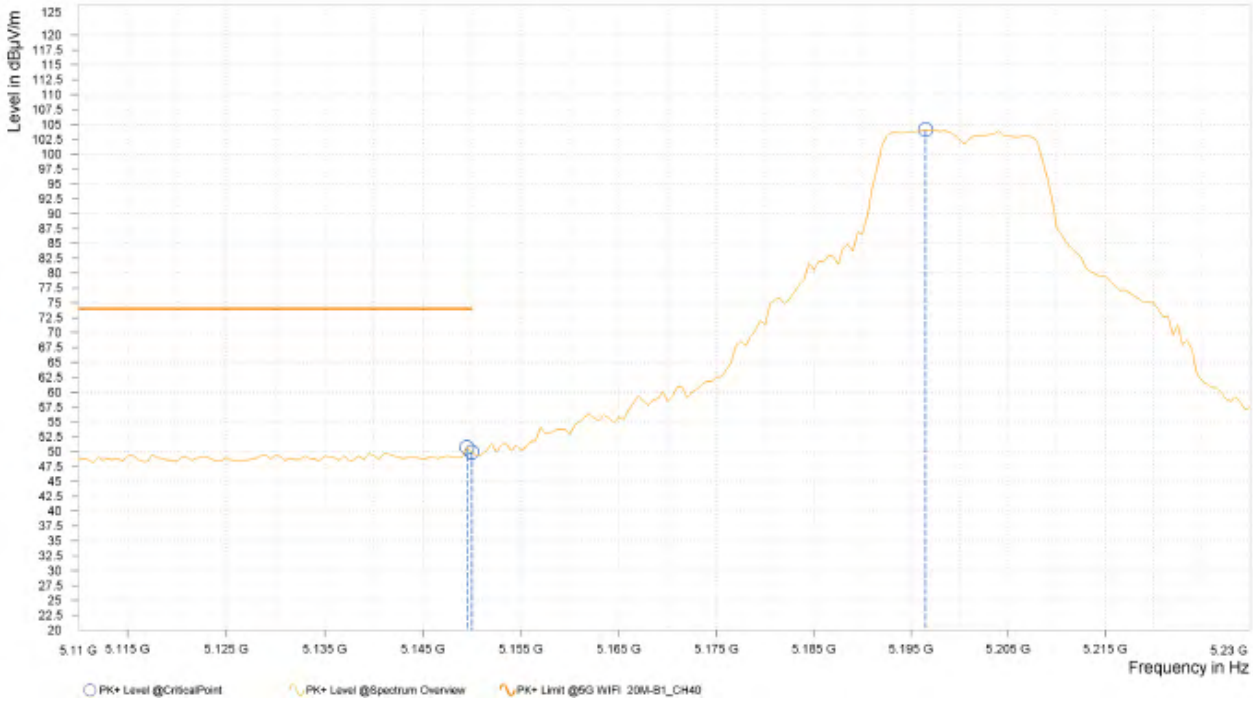
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5180MHz: Fundamental frequency.

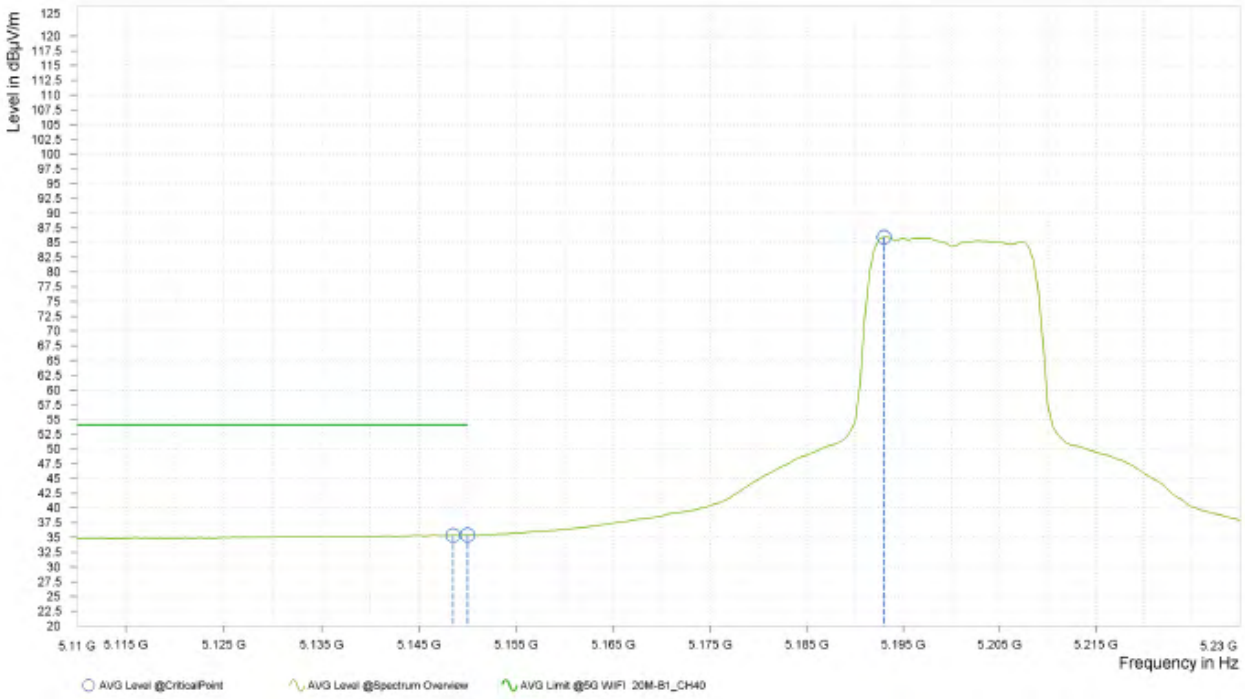
| CHANNEL | TX Channel 40 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |



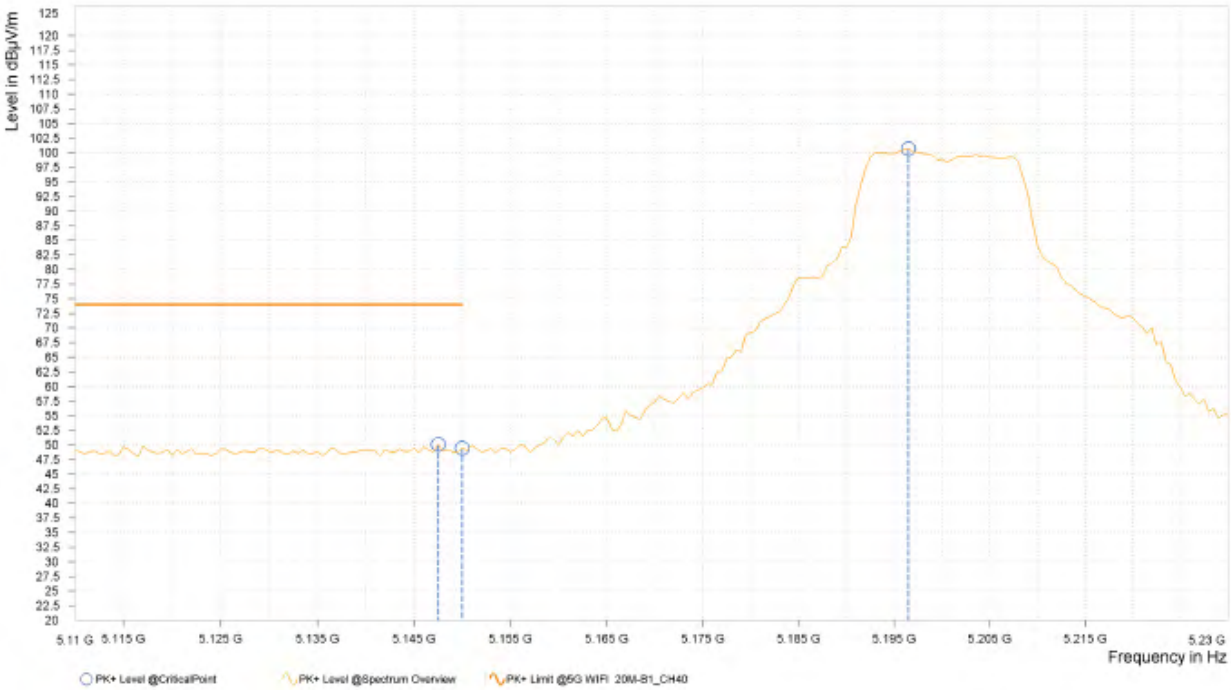

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,145.000 | 36.12 | 54.00 | 17.88 | 10.76 | H | 160.6 | 1.00 |
| 2 | 5,150.000 | 36.10 | 54.00 | 17.90 | 10.77 | H | 160.6 | 1.00 |
| 2 | 5,197.000 | 89.79 | | | 10.92 | H | 160.6 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,149.500 | 50.71 | 74.00 | 23.29 | 10.77 | H | 158.2 | 1.00 |
| 2 | 5,150.000 | 49.86 | 74.00 | 24.14 | 10.77 | H | 94.1 | 2.00 |
| 2 | 5,196.500 | 104.08 | | | 10.92 | H | 158.2 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,148.500 | 35.35 | 54.00 | 18.65 | 10.76 | V | 103.3 | 1.00 |
| 2 | 5,150.000 | 35.43 | 54.00 | 18.57 | 10.77 | V | 103.3 | 1.00 |
| 2 | 5,193.000 | 85.91 | | | 10.91 | V | 201.8 | 2.00 |

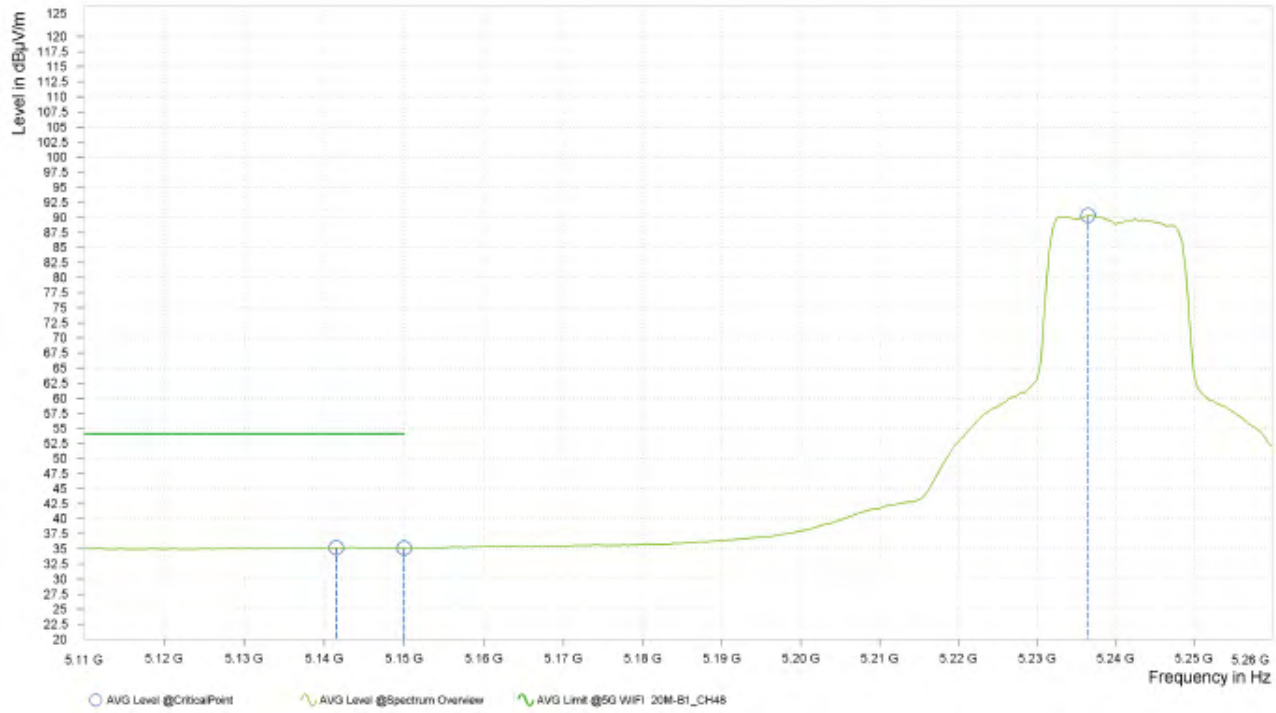



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,147.500 | 50.04 | 74.00 | 23.96 | 10.76 | V | 102.1 | 1.00 |
| 2 | 5,150.000 | 49.44 | 74.00 | 24.56 | 10.77 | V | 3.6 | 2.00 |
| 2 | 5,196.500 | 100.69 | | | 10.92 | V | 200.6 | 2.00 |

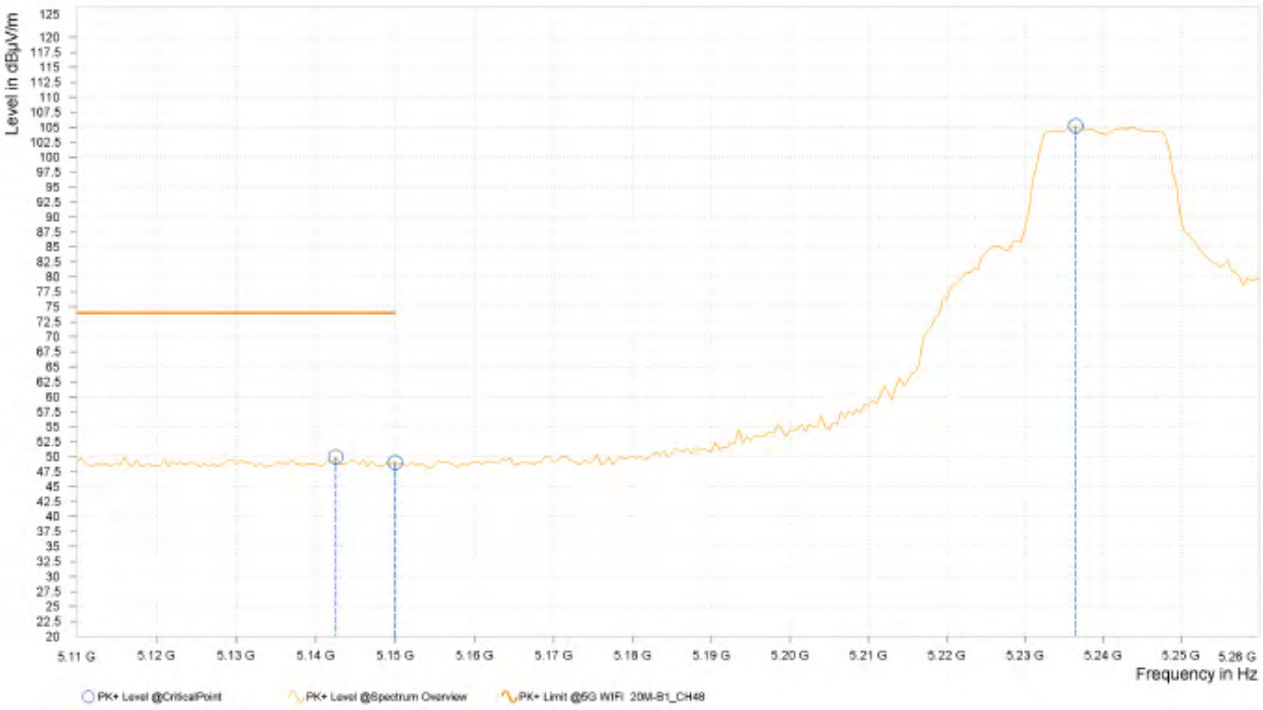
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5200MHz: Fundamental frequency.

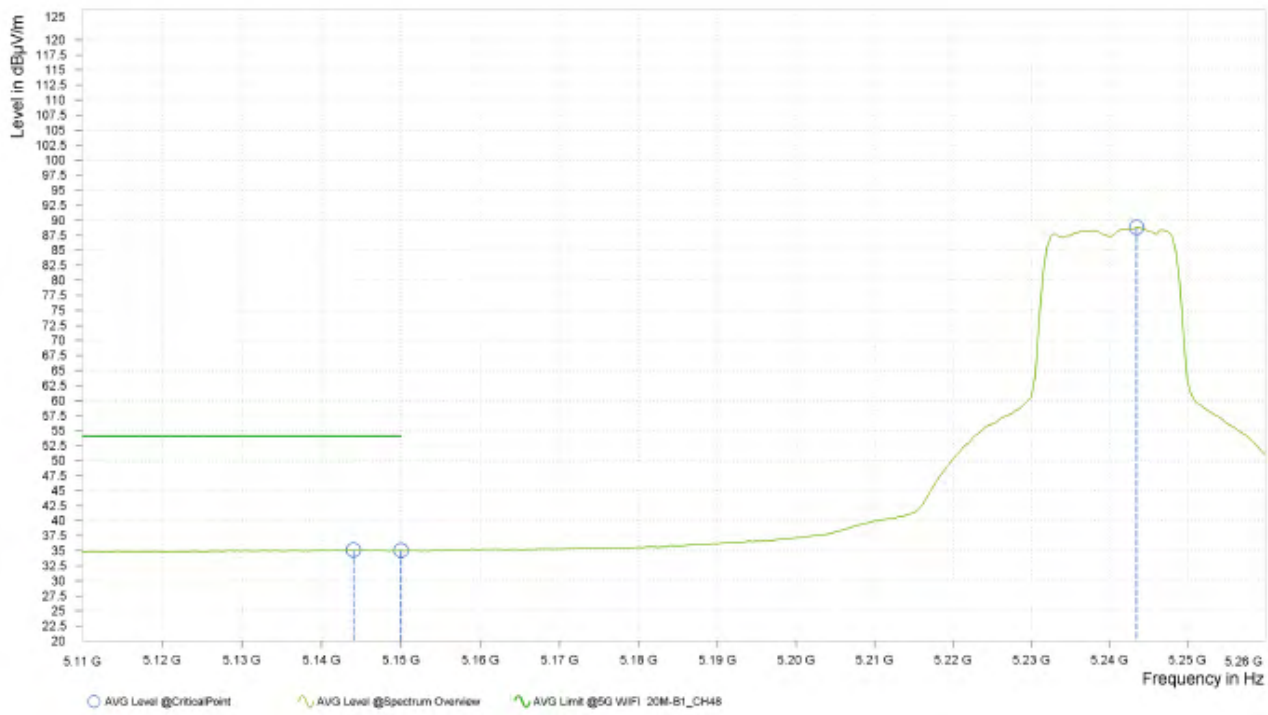
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 48 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |



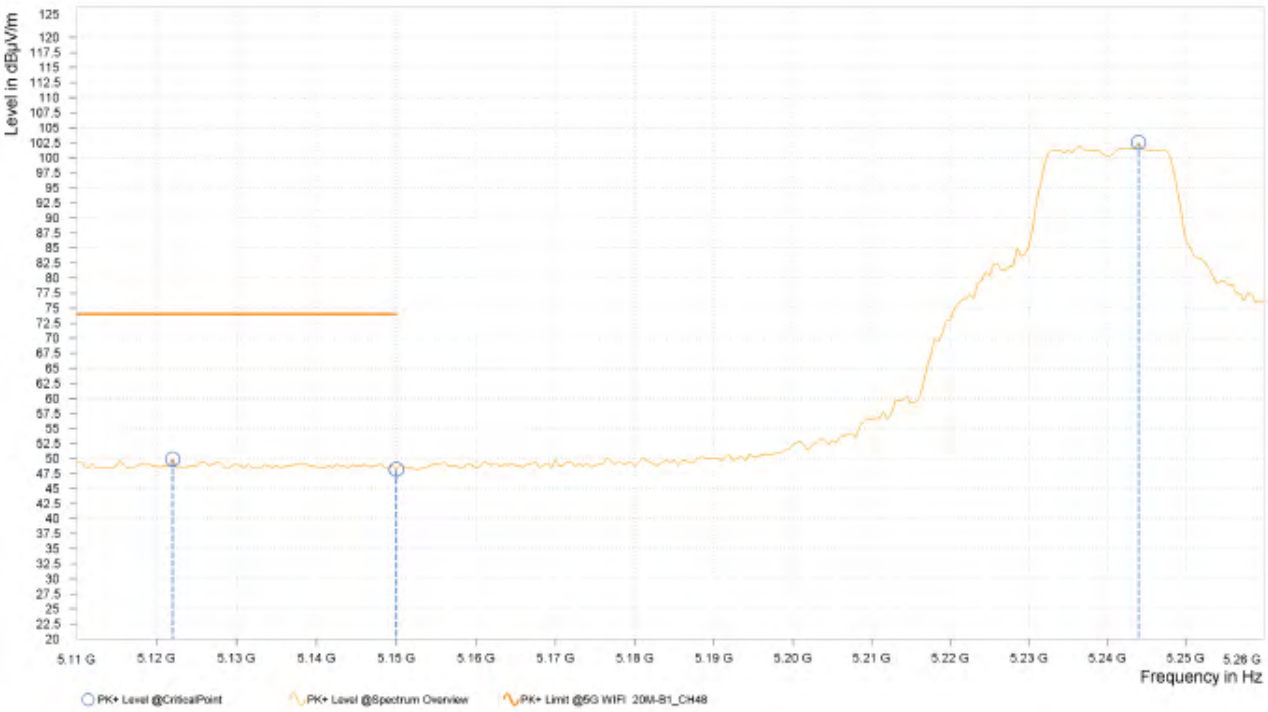

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,141.500 | 35.19 | 54.00 | 18.81 | 10.76 | H | 90.6 | 2.00 |
| 3 | 5,150.000 | 35.10 | 54.00 | 18.90 | 10.77 | H | 50.7 | 1.00 |
| 3 | 5,236.500 | 90.33 | | | 10.91 | H | 253.1 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,142.500 | 49.92 | 74.00 | 24.08 | 10.76 | H | 160.6 | 1.00 |
| 3 | 5,150.000 | 49.03 | 74.00 | 24.97 | 10.77 | H | 2.5 | 2.00 |
| 3 | 5,236.500 | 105.20 | | | 10.91 | H | 254.3 | 2.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,144.000 | 35.11 | 54.00 | 18.89 | 10.76 | V | 103.3 | 1.00 |
| 3 | 5,150.000 | 35.04 | 54.00 | 18.96 | 10.77 | V | 103.3 | 1.00 |
| 3 | 5,243.500 | 88.79 | | | 10.90 | V | 213.3 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,122.000 | 49.90 | 74.00 | 24.10 | 10.73 | V | 359 | 1.00 |
| 3 | 5,150.000 | 48.18 | 74.00 | 25.82 | 10.77 | V | 254.2 | 2.00 |
| 3 | 5,244.000 | 102.52 | | | 10.90 | V | 198.2 | 2.00 |

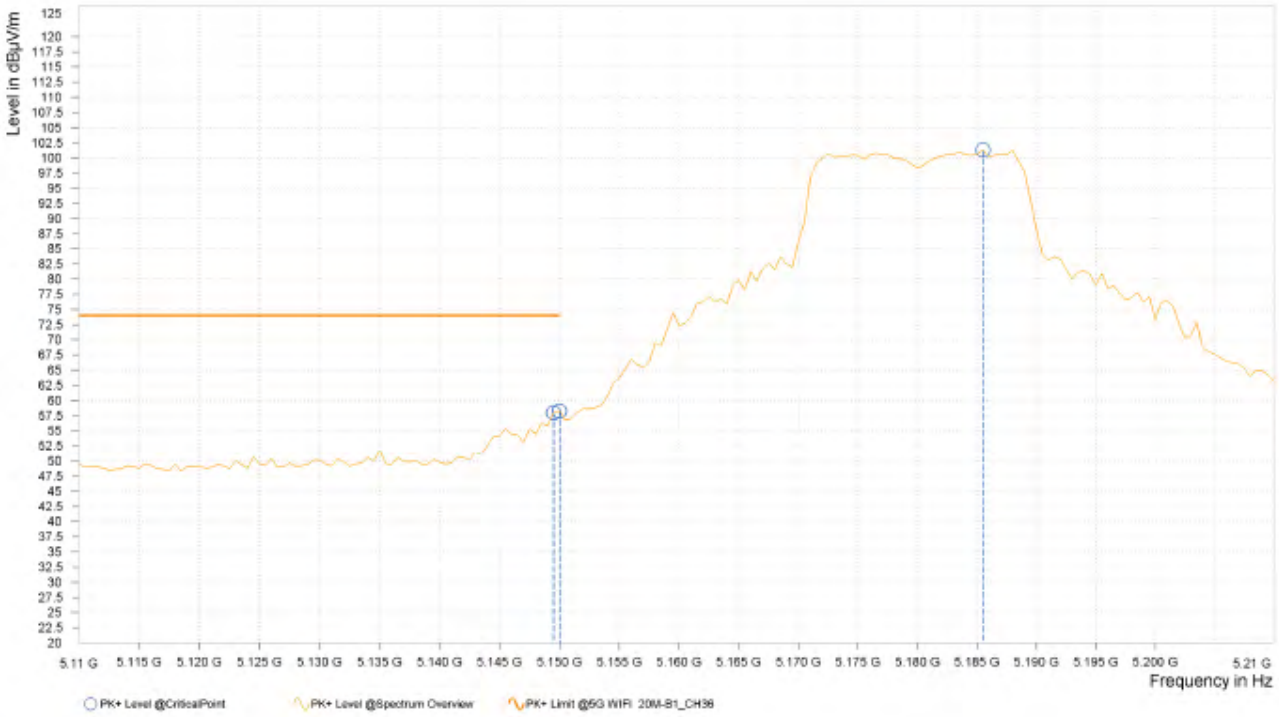
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5240MHz: Fundamental frequency.

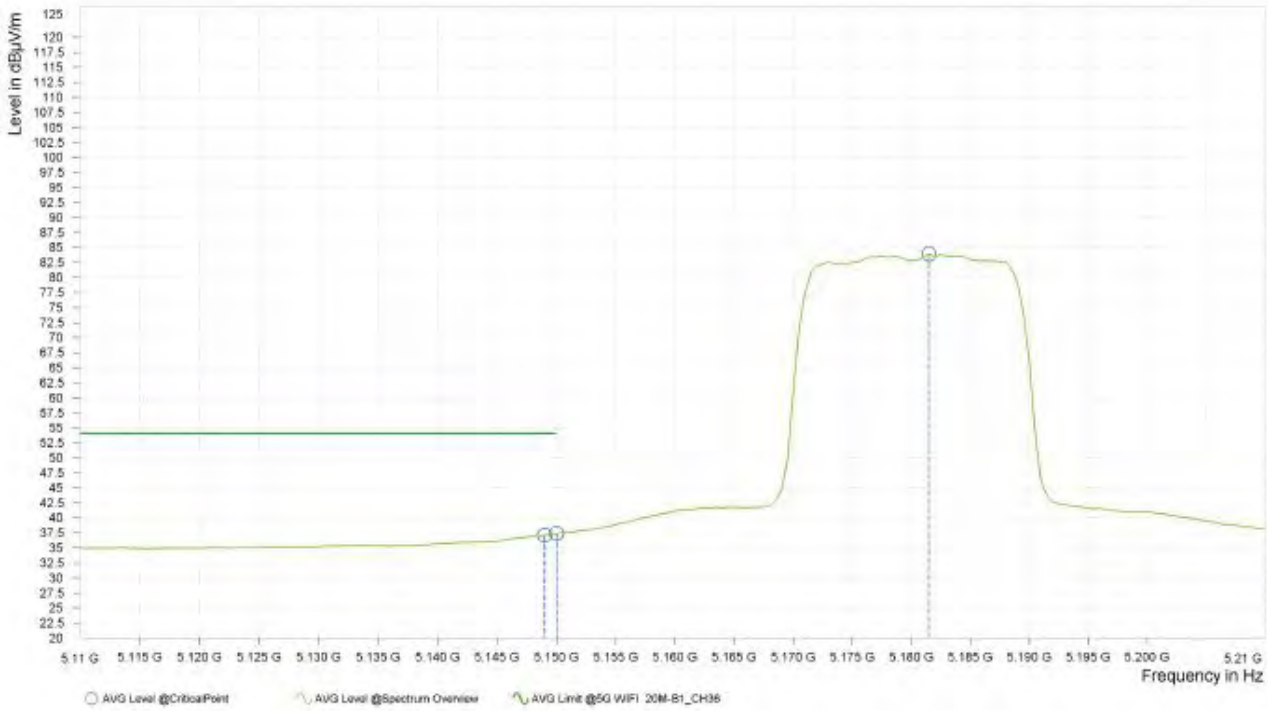
**802.11n (20MHz)**

| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 36 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.000 | 37.34 | 54.00 | 16.66 | 10.76 | H | 55.4 | 1.00 |
| 1 | 5,150.000 | 37.62 | 54.00 | 16.38 | 10.77 | H | 55.4 | 1.00 |
| 1 | 5,187.500 | 85.28 | | | 10.89 | H | 246 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.500 | 57.93 | 74.00 | 16.07 | 10.77 | H | 197.8 | 1.00 |
| 1 | 5,150.000 | 58.25 | 74.00 | 15.75 | 10.77 | H | 197.8 | 1.00 |
| 1 | 5,185.500 | 101.29 | | | 10.88 | H | 244.8 | 2.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.000 | 37.11 | 54.00 | 16.89 | 10.76 | V | 183.8 | 2.00 |
| 1 | 5,150.000 | 37.39 | 54.00 | 16.61 | 10.77 | V | 183.8 | 2.00 |
| 1 | 5,181.500 | 83.88 | | | 10.87 | V | 183.8 | 2.00 |

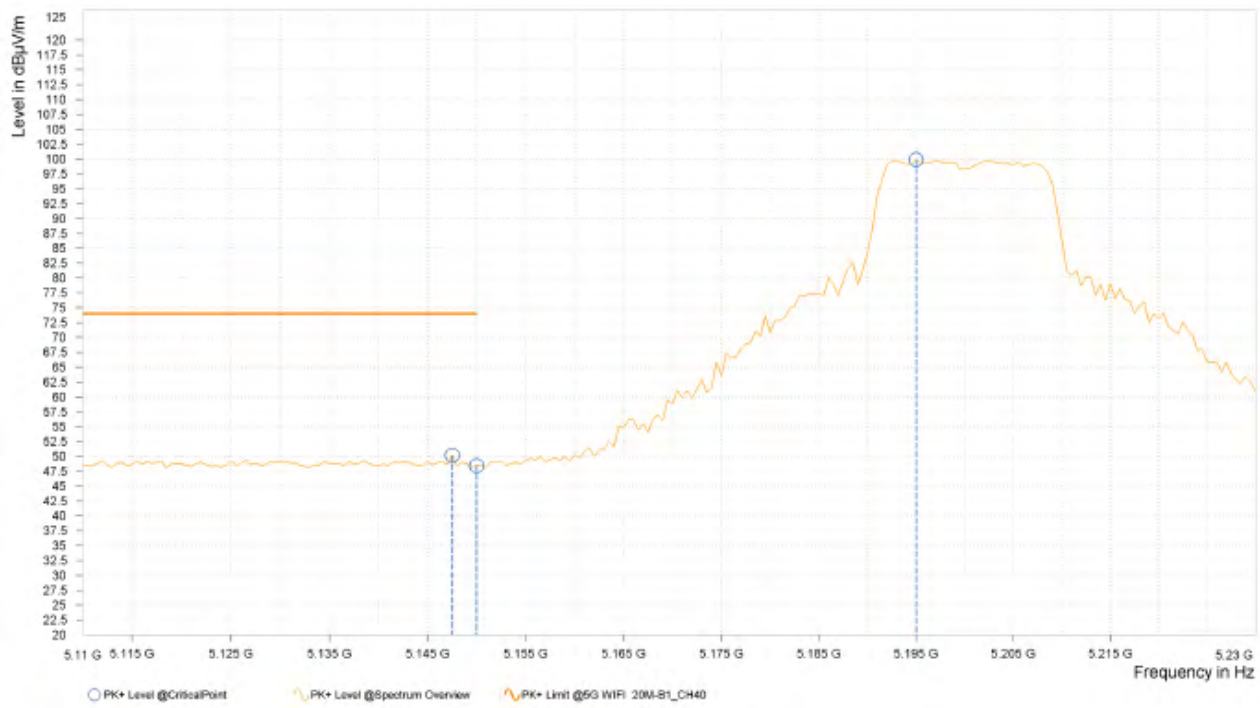
| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.500 | 58.27 | 74.00 | 15.73 | 10.77 | V | 234.8 | 1.00 |
| 1 | 5,150.000 | 58.31 | 74.00 | 15.69 | 10.77 | V | 234.8 | 1.00 |
| 1 | 5,182.500 | 98.06 | | | 10.87 | V | 234.8 | 1.00 |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5180MHz: Fundamental frequency.

| CHANNEL | TX Channel 40 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,149.000 | 35.50 | 54.00 | 18.50 | 10.76 | H | 131.9 | 1.00 |
| 2 | 5,150.000 | 35.44 | 54.00 | 18.56 | 10.77 | H | 131.9 | 1.00 |
| 2 | 5,208.000 | 86.21 | | | 10.93 | H | 131.9 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,147.500 | 50.18 | 74.00 | 23.82 | 10.76 | H | 1 | 1.00 |
| 2 | 5,150.000 | 48.43 | 74.00 | 25.57 | 10.77 | H | 267.1 | 1.00 |
| 2 | 5,195.000 | 99.93 | | | 10.91 | H | 5.6 | 1.00 |

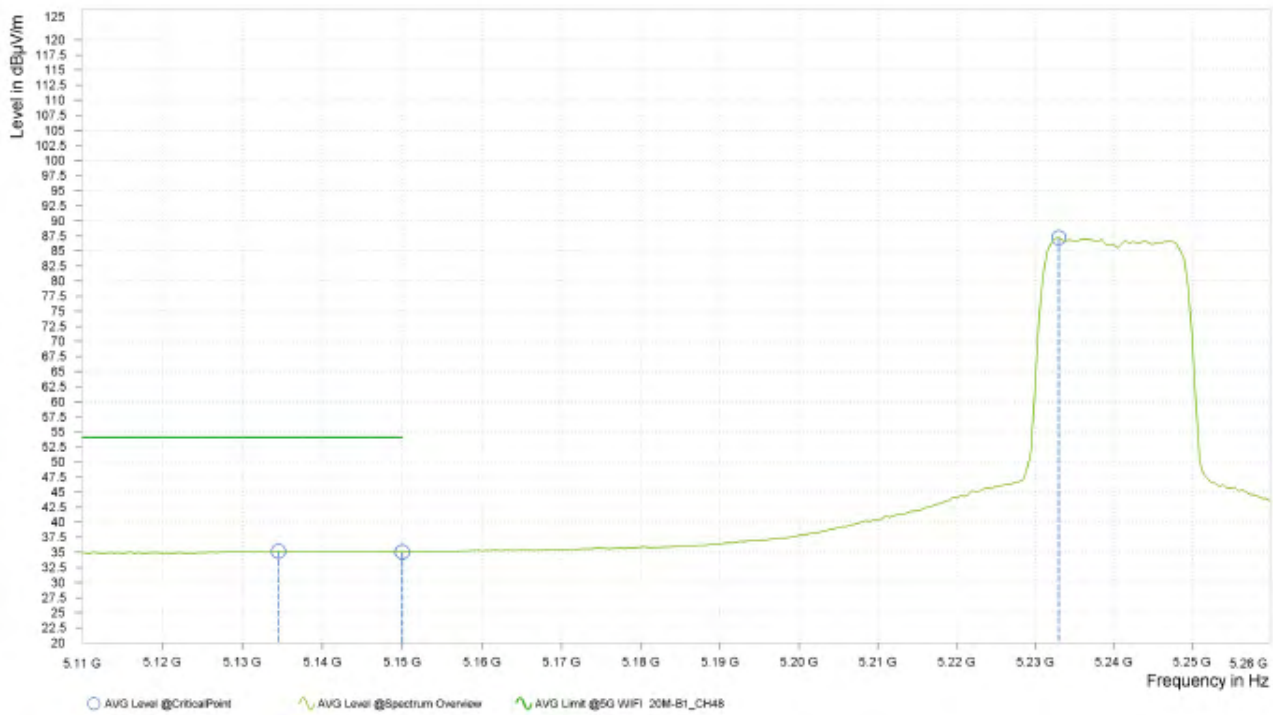
| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,149.000 | 35.13 | 54.00 | 18.87 | 10.76 | V | 184.6 | 1.00 |
| 2 | 5,150.000 | 35.19 | 54.00 | 18.81 | 10.77 | V | 184.6 | 1.00 |
| 2 | 5,207.500 | 83.49 | | | 10.93 | V | 57.9 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,139.500 | 49.98 | 74.00 | 24.02 | 10.75 | V | 120.5 | 2.00 |
| 2 | 5,150.000 | 48.24 | 74.00 | 25.76 | 10.77 | V | 134.4 | 1.00 |
| 2 | 5,195.500 | 99.23 | | | 10.92 | V | 73.4 | 1.00 |

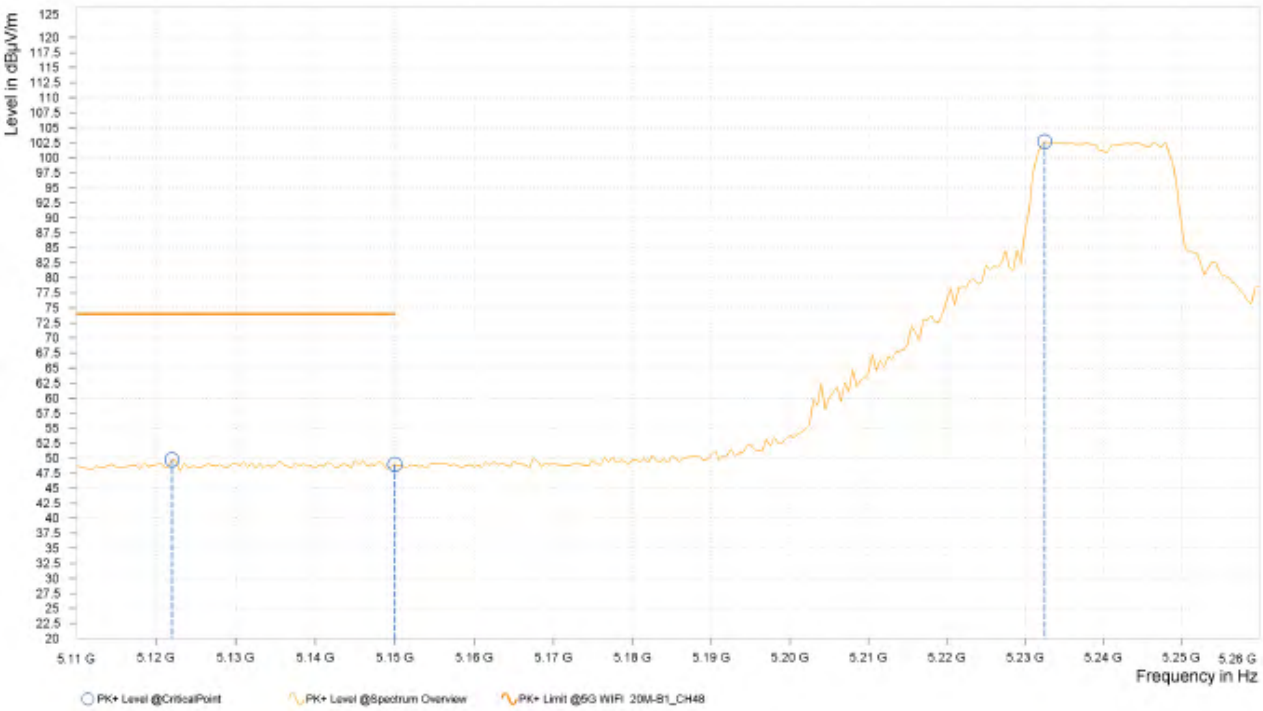
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5200MHz: Fundamental frequency.

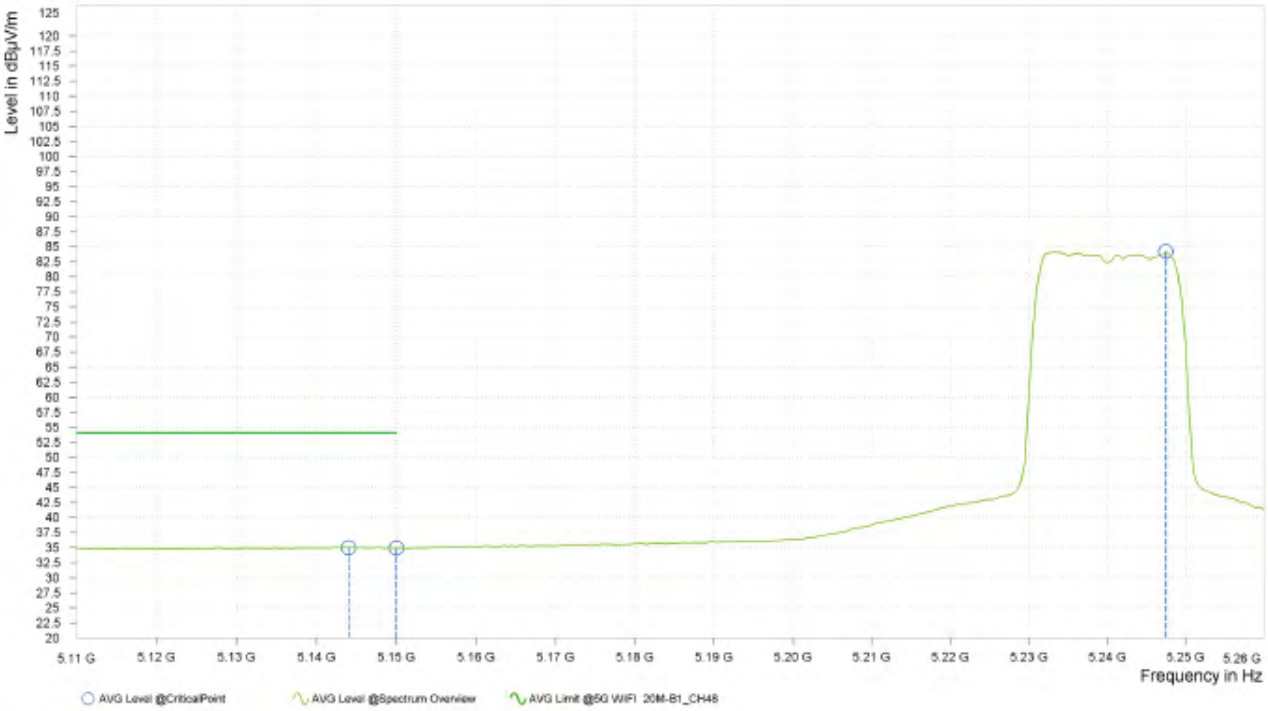
| CHANNEL | TX Channel 48 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |



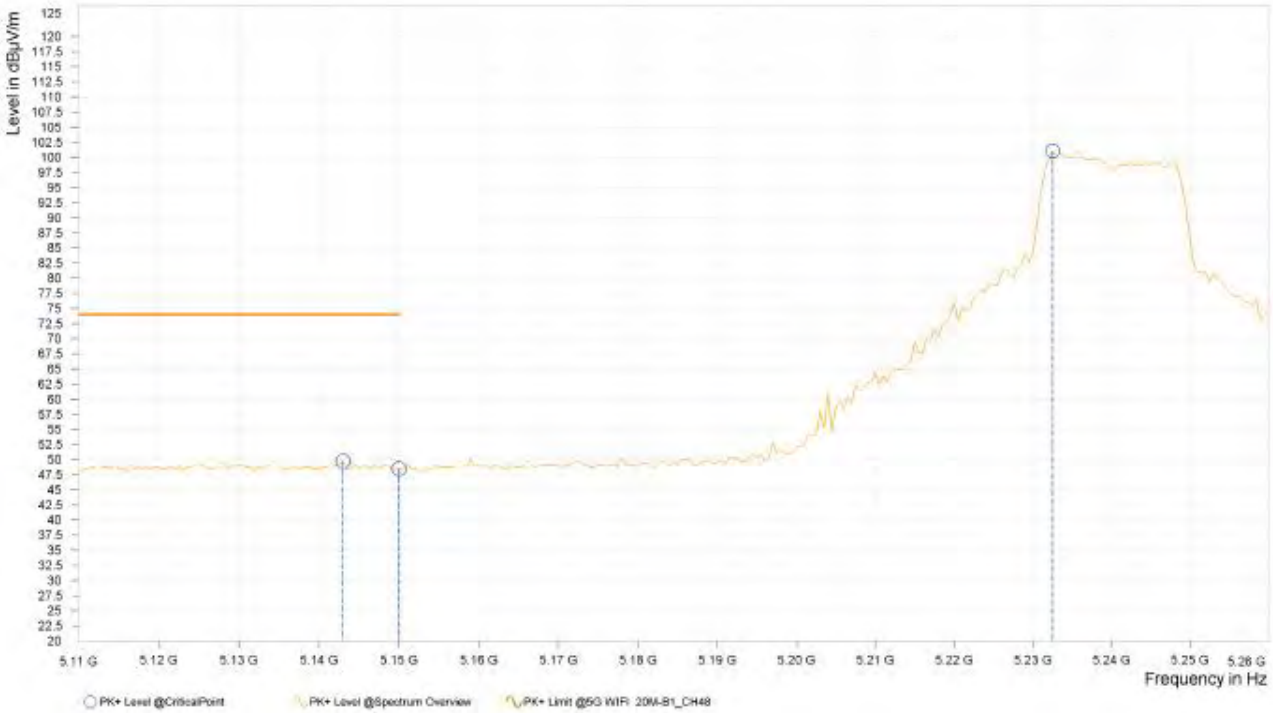

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,134.500 | 35.19 | 54.00 | 18.81 | 10.75 | H | 182.6 | 2.00 |
| 3 | 5,150.000 | 35.07 | 54.00 | 18.93 | 10.77 | H | 182.6 | 2.00 |
| 3 | 5,233.000 | 87.21 | | | 10.91 | H | 121.2 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,122.000 | 49.71 | 74.00 | 24.29 | 10.73 | H | 241.2 | 2.00 |
| 3 | 5,150.000 | 48.93 | 74.00 | 25.07 | 10.77 | H | 355.1 | 2.00 |
| 3 | 5,232.500 | 102.68 | | | 10.91 | H | 120 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,144.000 | 35.02 | 54.00 | 18.98 | 10.76 | V | 61.5 | 1.00 |
| 3 | 5,150.000 | 34.96 | 54.00 | 19.04 | 10.77 | V | 61.5 | 1.00 |
| 3 | 5,247.500 | 84.19 | | | 10.90 | V | 180.2 | 2.00 |



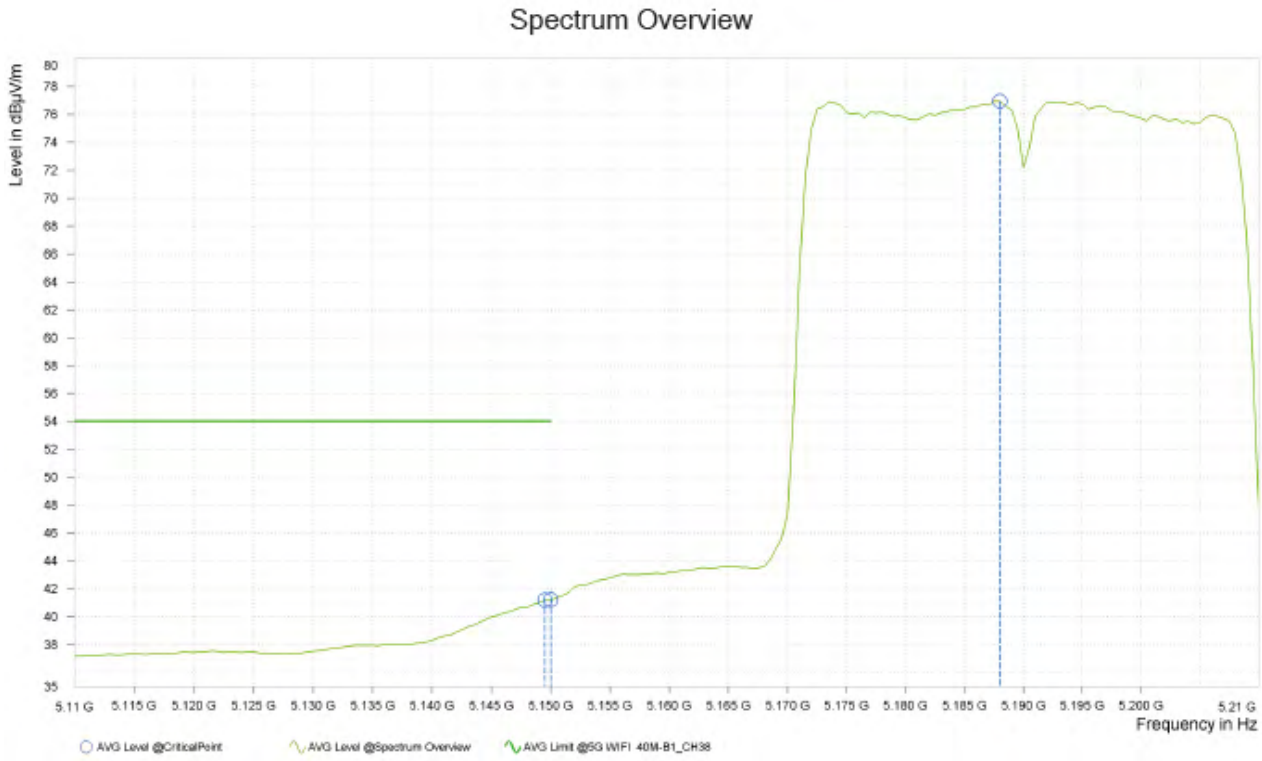

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,143.000 | 49.71 | 74.00 | 24.29 | 10.76 | V | 119.3 | 2.00 |
| 3 | 5,150.000 | 48.51 | 74.00 | 25.49 | 10.77 | V | 187 | 1.00 |
| 3 | 5,232.500 | 101.05 | | | 10.91 | V | 57.9 | 1.00 |

**REMARKS:**

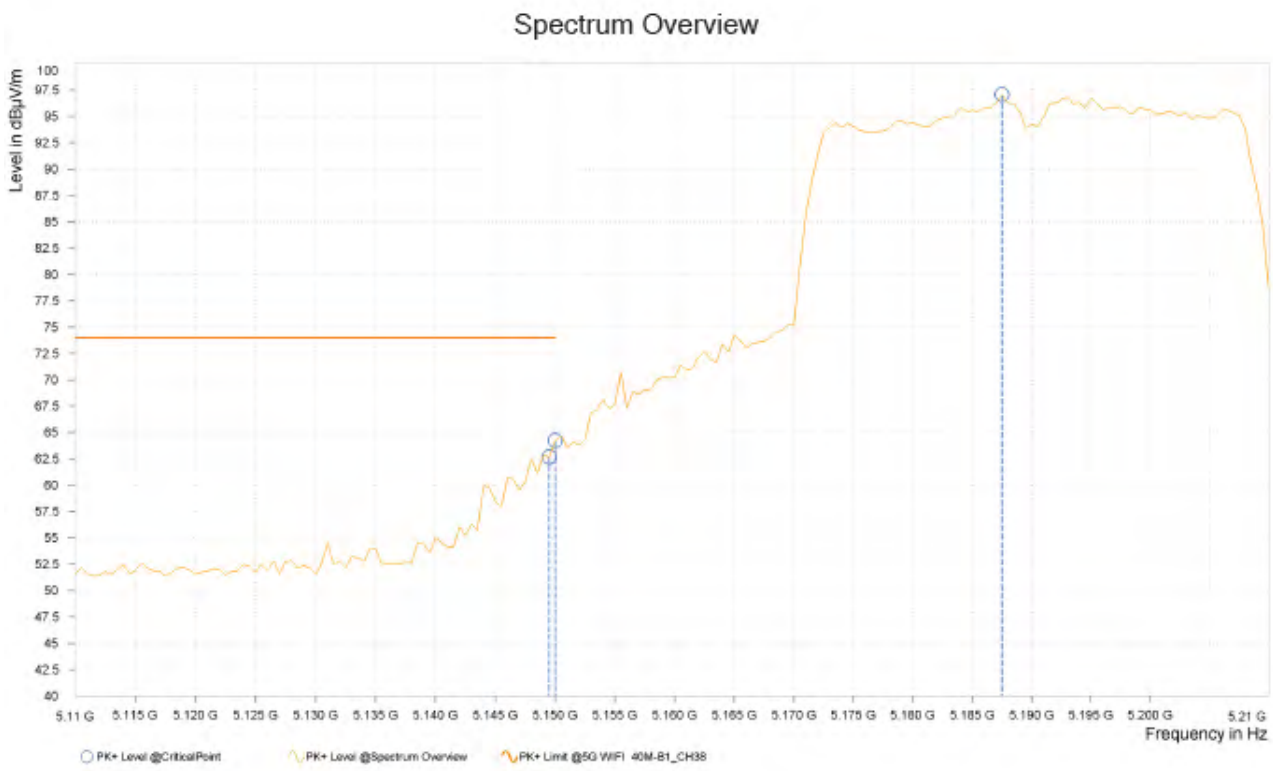
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5240MHz: Fundamental frequency.

**802.11n (40MHz)**

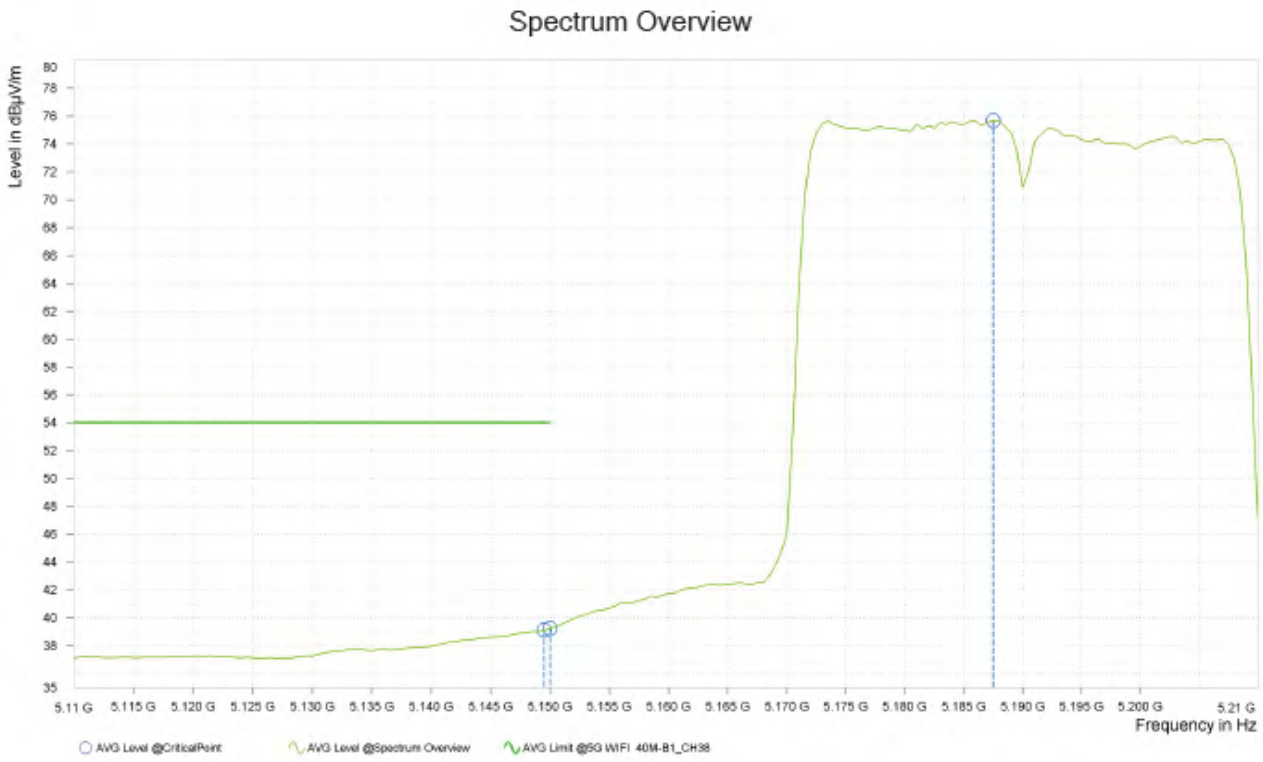
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 38 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |



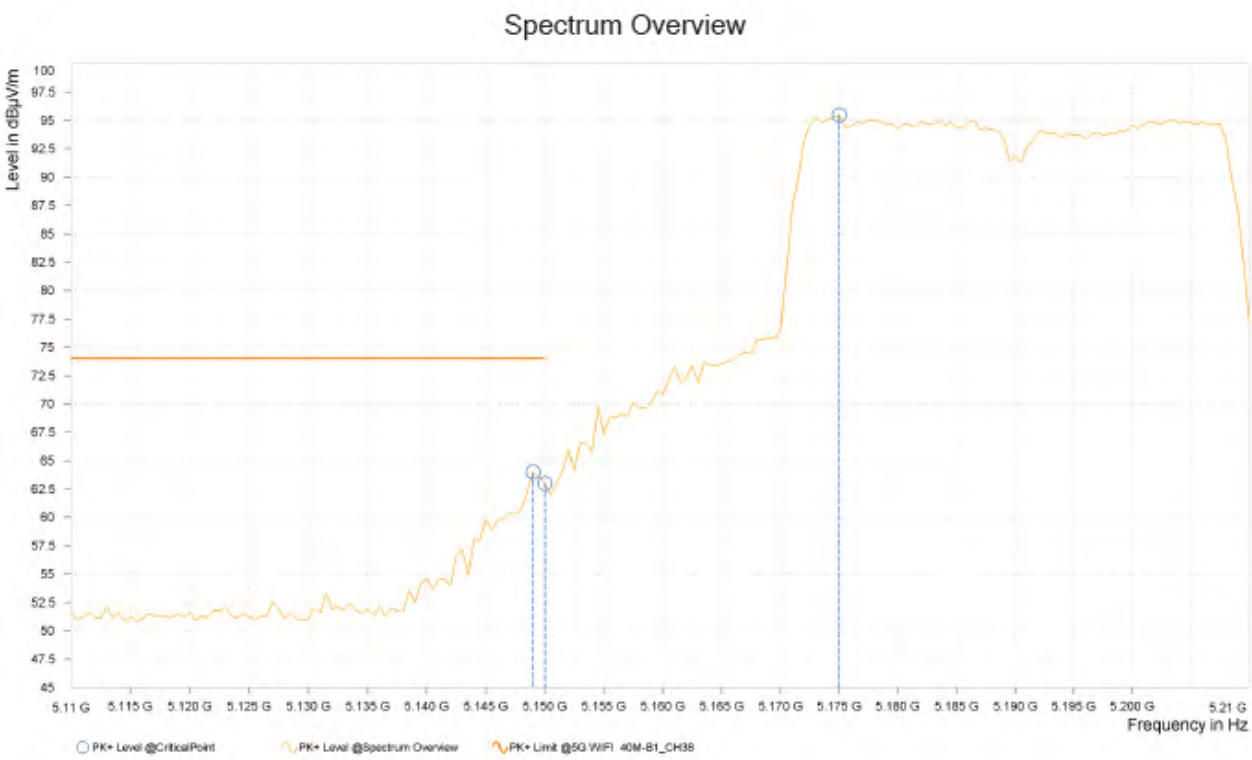

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.500 | 41.21 | 54.00 | 12.79 | 3.38 | H | 311.4 | 1.00 |
| 1 | 5,150.000 | 41.22 | 54.00 | 12.78 | 3.39 | H | 311.4 | 1.00 |
| 1 | 5,188.000 | 76.96 | | | 3.65 | H | 311.4 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.500 | 62.69 | 74.00 | 11.31 | 3.38 | H | 226 | 2.00 |
| 1 | 5,150.000 | 64.24 | 74.00 | 9.76 | 3.39 | H | 200.2 | 2.00 |
| 1 | 5,187.500 | 97.05 | | | 3.64 | H | 294.6 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.500 | 39.12 | 54.00 | 14.88 | 3.38 | V | 51 | 1.00 |
| 1 | 5,150.000 | 39.25 | 54.00 | 14.75 | 3.39 | V | 51 | 1.00 |
| 1 | 5,187.500 | 75.68 | | | 3.64 | V | 51 | 1.00 |



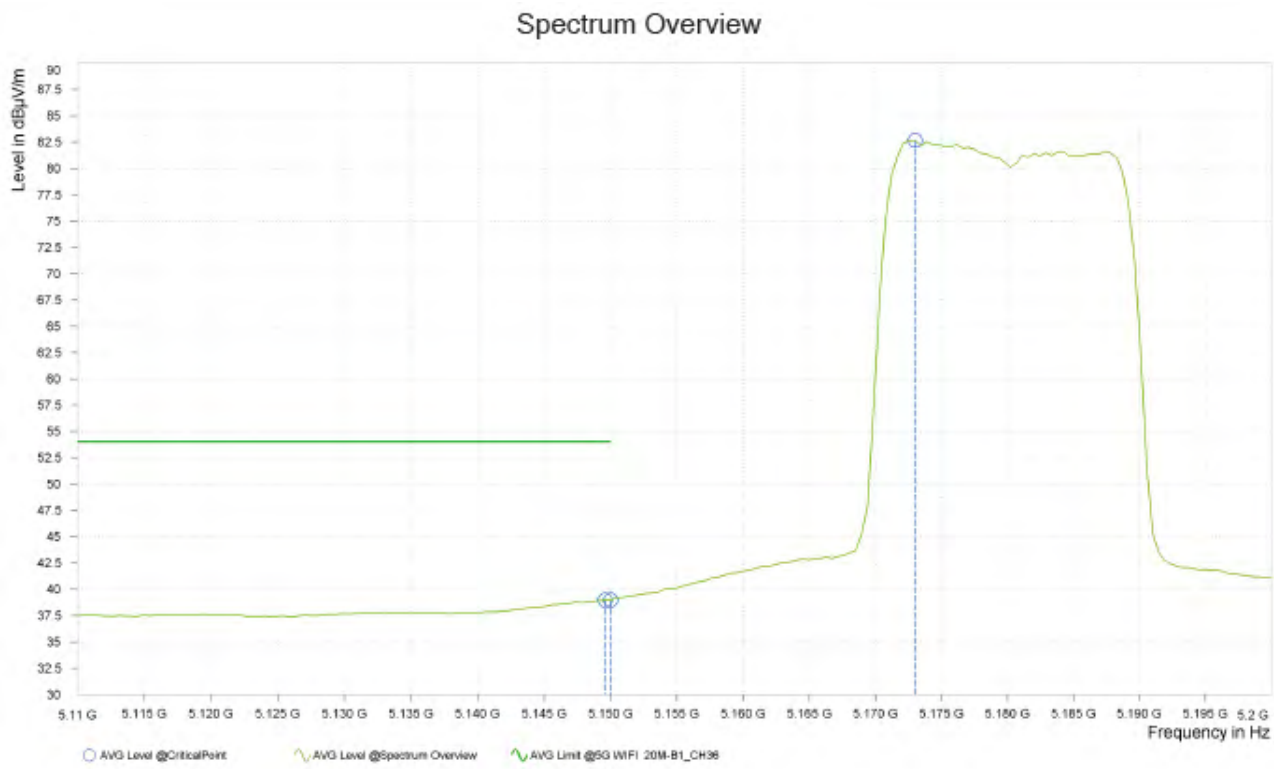

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.000 | 63.98 | 74.00 | 10.02 | 3.38 | V | 55.2 | 1.00 |
| 1 | 5,150.000 | 62.98 | 74.00 | 11.02 | 3.39 | V | 55.2 | 1.00 |
| 1 | 5,175.000 | 95.47 | | | 3.56 | V | 167 | 2.00 |

**REMARKS:**

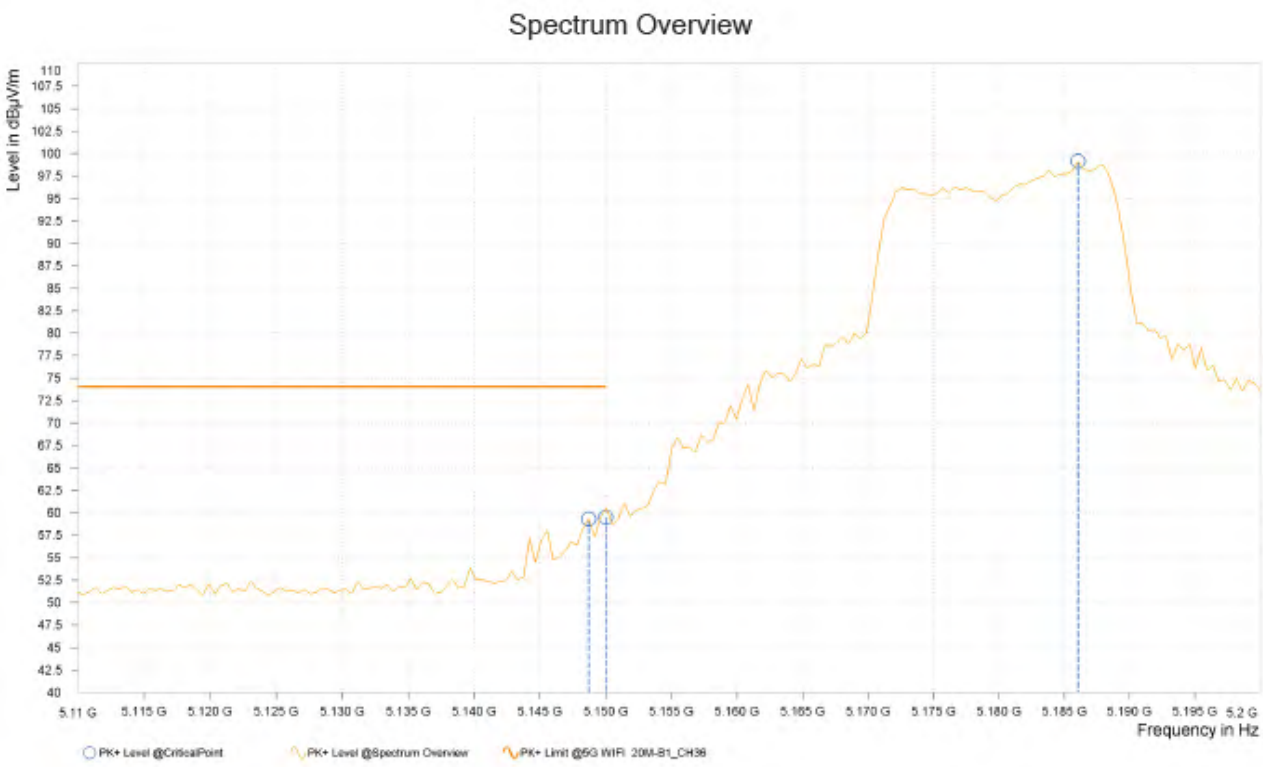
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5230MHz: Fundamental frequency.

**802.11ac (20MHz)**

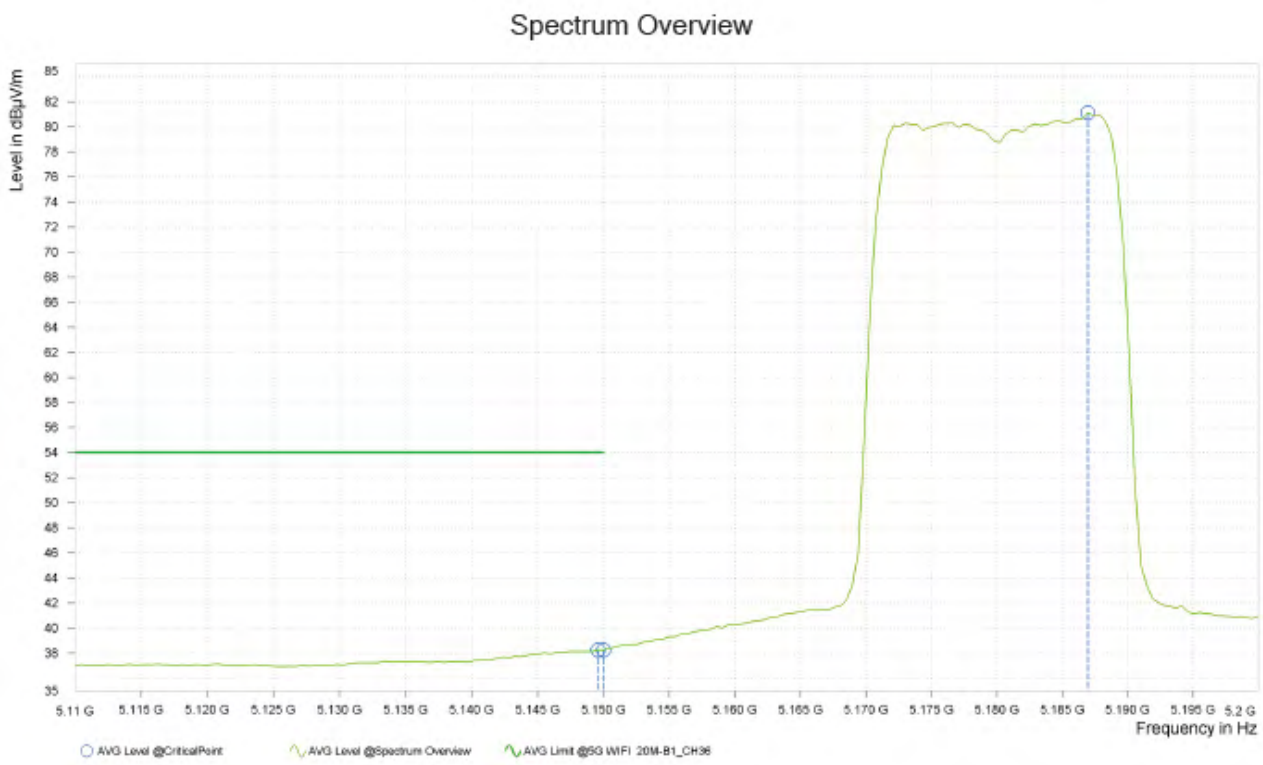
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 36 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |



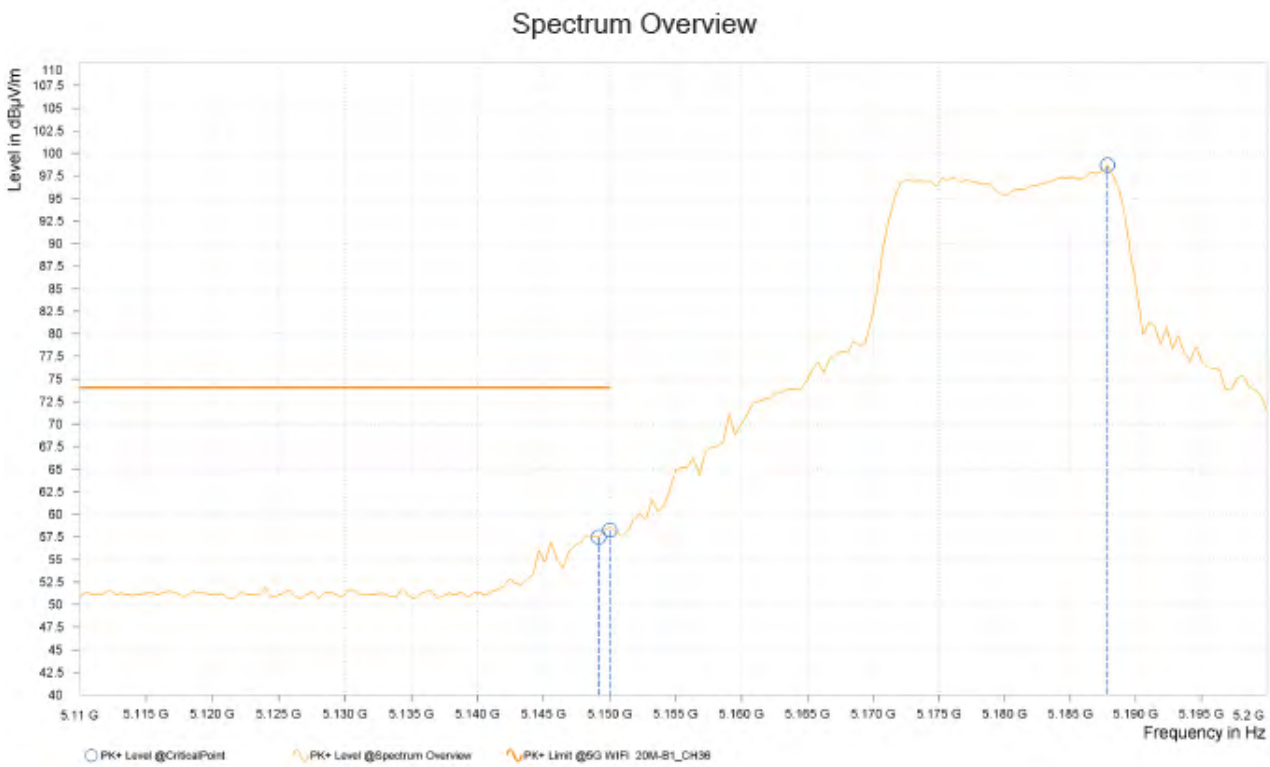

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.600 | 38.98 | 54.00 | 15.02 | 3.38 | H | 355 | 2.00 |
| 1 | 5,150.000 | 38.98 | 54.00 | 15.02 | 3.38 | H | 355 | 2.00 |
| 1 | 5,173.000 | 82.65 | | | 3.54 | H | 263.8 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,148.700 | 59.29 | 74.00 | 14.71 | 3.38 | H | 257.7 | 2.00 |
| 1 | 5,150.000 | 59.49 | 74.00 | 14.51 | 3.38 | H | 257.7 | 2.00 |
| 1 | 5,186.050 | 99.13 | | | 3.63 | H | 257.7 | 2.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.600 | 38.26 | 54.00 | 15.74 | 3.38 | V | 312.8 | 2.00 |
| 1 | 5,150.000 | 38.26 | 54.00 | 15.74 | 3.38 | V | 312.8 | 2.00 |
| 1 | 5,186.950 | 81.11 | | | 3.64 | V | 312.8 | 2.00 |



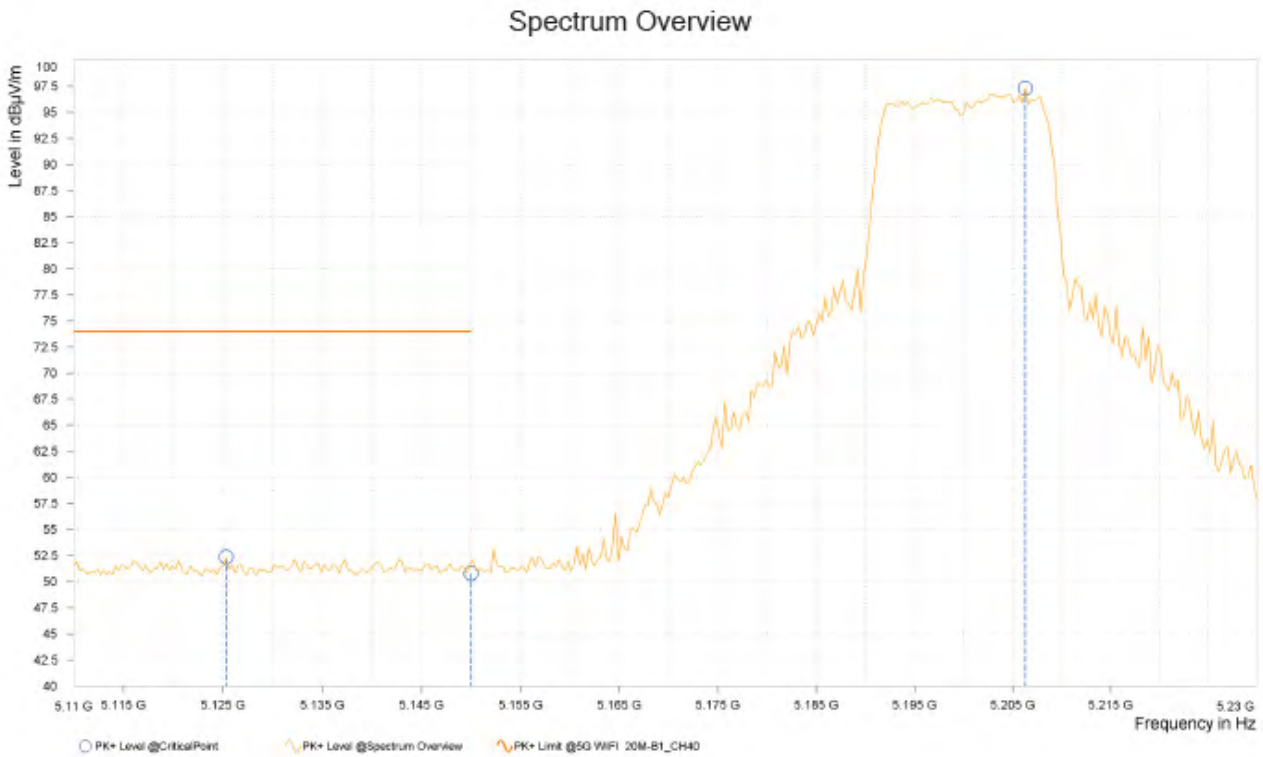

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.150 | 57.46 | 74.00 | 16.54 | 3.38 | V | 165.7 | 2.00 |
| 1 | 5,150.000 | 58.24 | 74.00 | 15.76 | 3.38 | V | 313.9 | 2.00 |
| 1 | 5,187.850 | 98.67 | | | 3.65 | V | 213.4 | 2.00 |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5180MHz: Fundamental frequency.

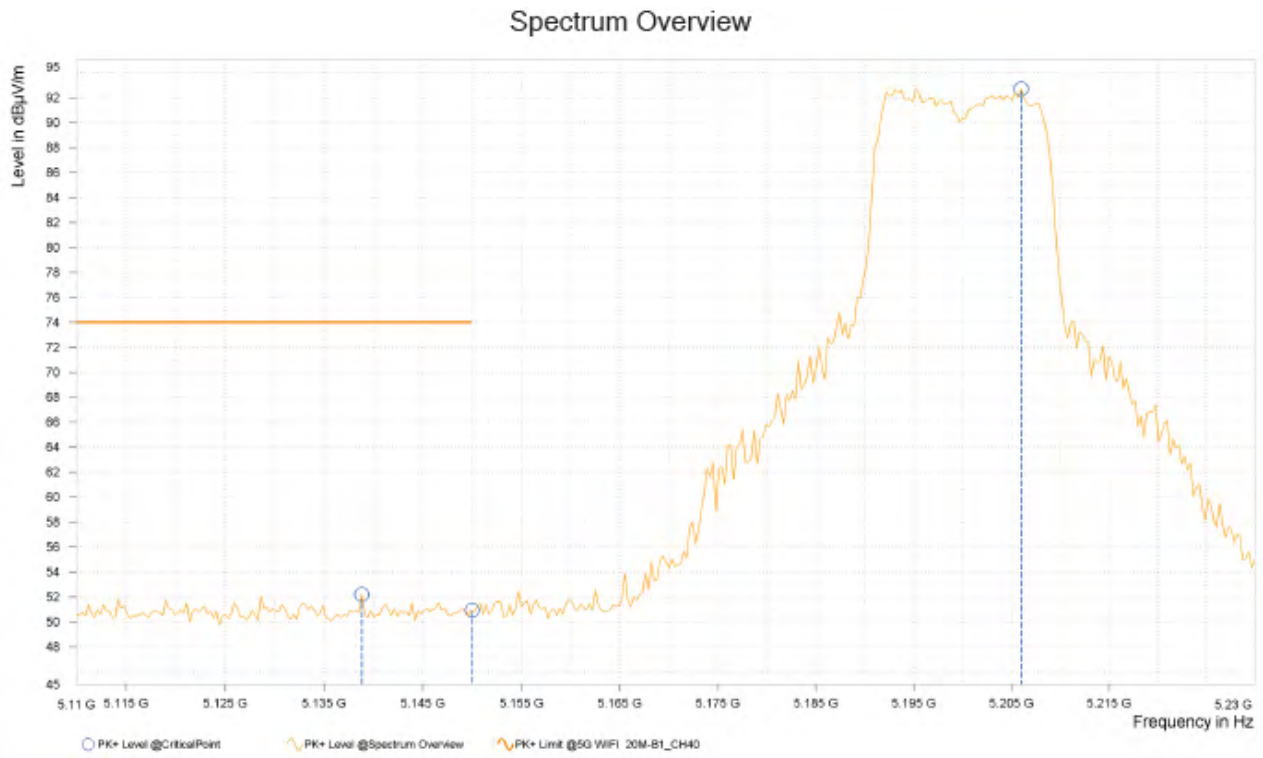
| CHANNEL | TX Channel 40 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,148.100 | 37.65 | 54.00 | 16.35 | 3.38 | H | 323.4 | 1.00 |
| 2 | 5,150.000 | 37.65 | 54.00 | 16.35 | 3.39 | H | 323.4 | 1.00 |
| 2 | 5,195.500 | 81.68 | | | 3.70 | H | 264.9 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,125.300 | 52.37 | 74.00 | 21.63 | 3.27 | H | 0.9 | 2.00 |
| 2 | 5,150.000 | 50.80 | 74.00 | 23.20 | 3.38 | H | 314 | 2.00 |
| 2 | 5,206.300 | 97.30 | | | 3.68 | H | 265 | 2.00 |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,146.000 | 37.33 | 54.00 | 16.67 | 3.37 | V | 190.8 | 2.00 |
| 2 | 5,150.000 | 37.18 | 54.00 | 16.82 | 3.39 | V | 190.8 | 2.00 |
| 2 | 5,193.100 | 82.65 | | | 3.68 | V | 190.8 | 2.00 |

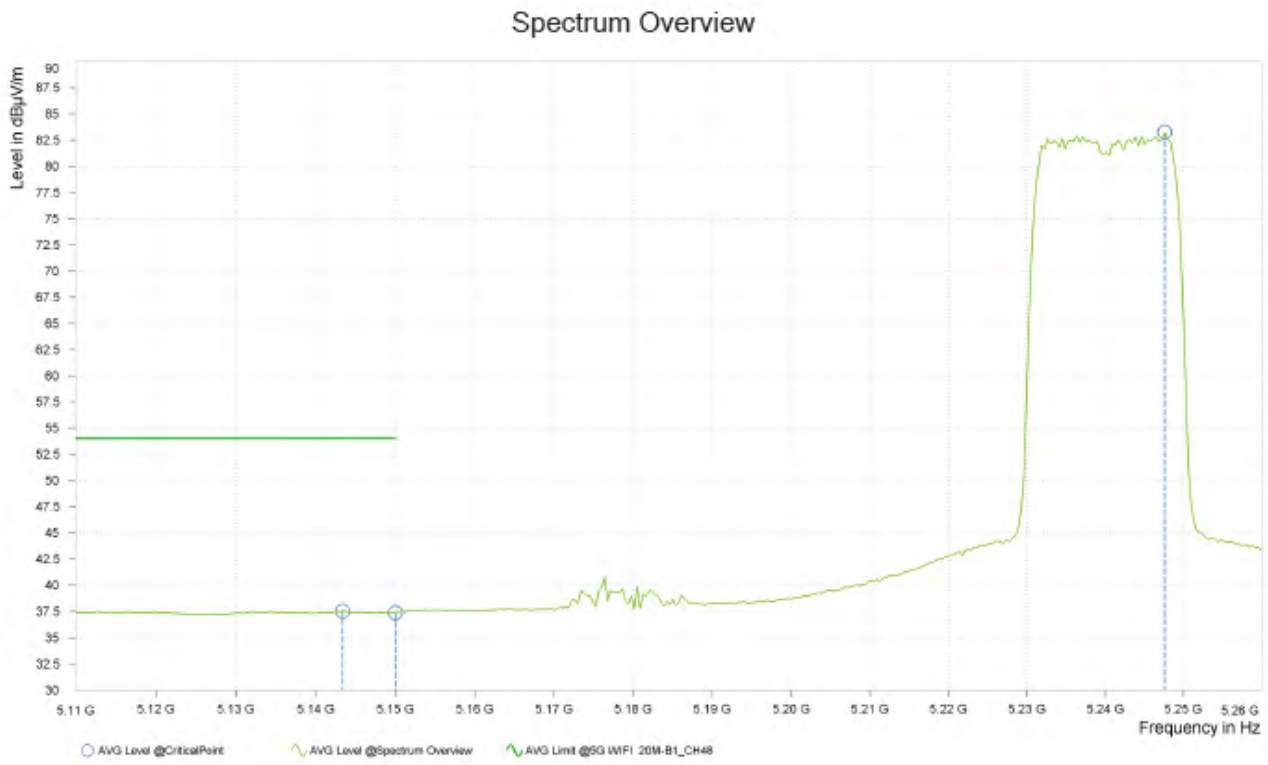



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,138.800 | 52.19 | 74.00 | 21.81 | 3.33 | V | 355 | 2.00 |
| 2 | 5,150.000 | 50.96 | 74.00 | 23.04 | 3.39 | V | 355 | 2.00 |
| 2 | 5,206.000 | 92.69 | | | 3.68 | V | 62.8 | 1.00 |

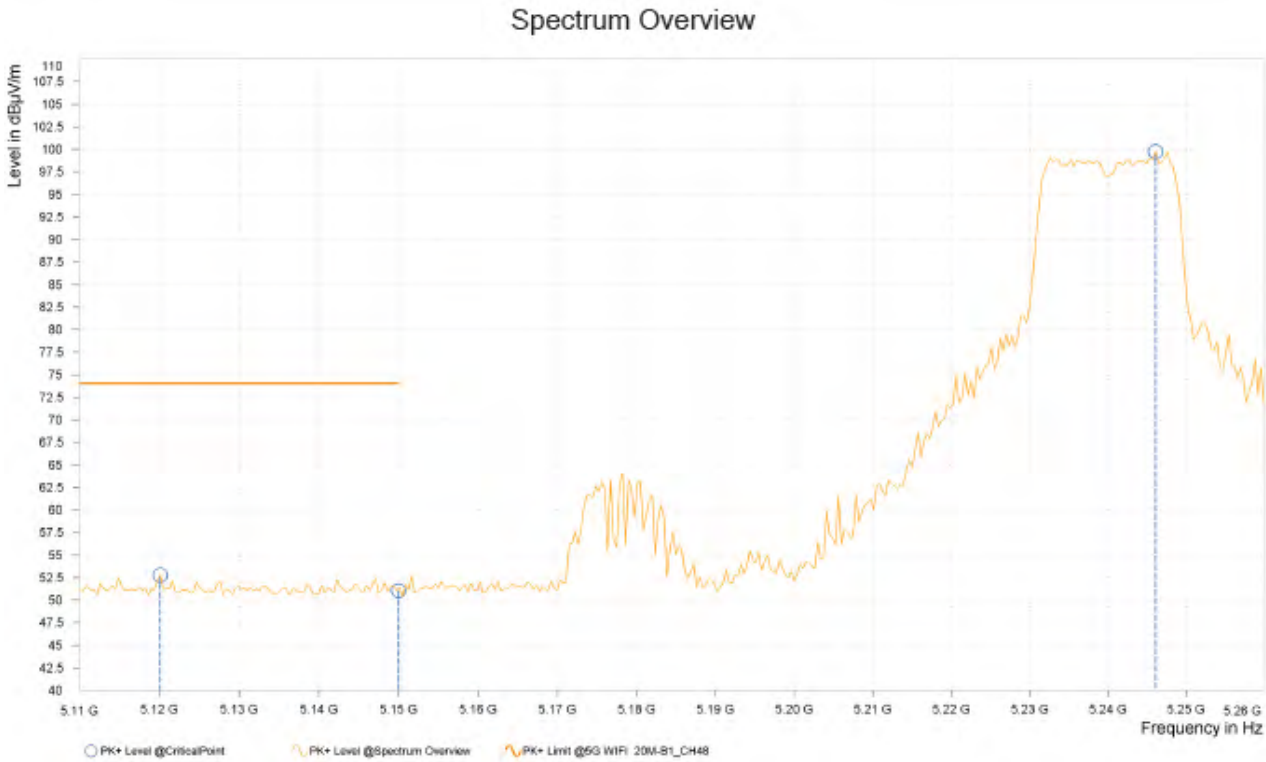
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5200MHz: Fundamental frequency.

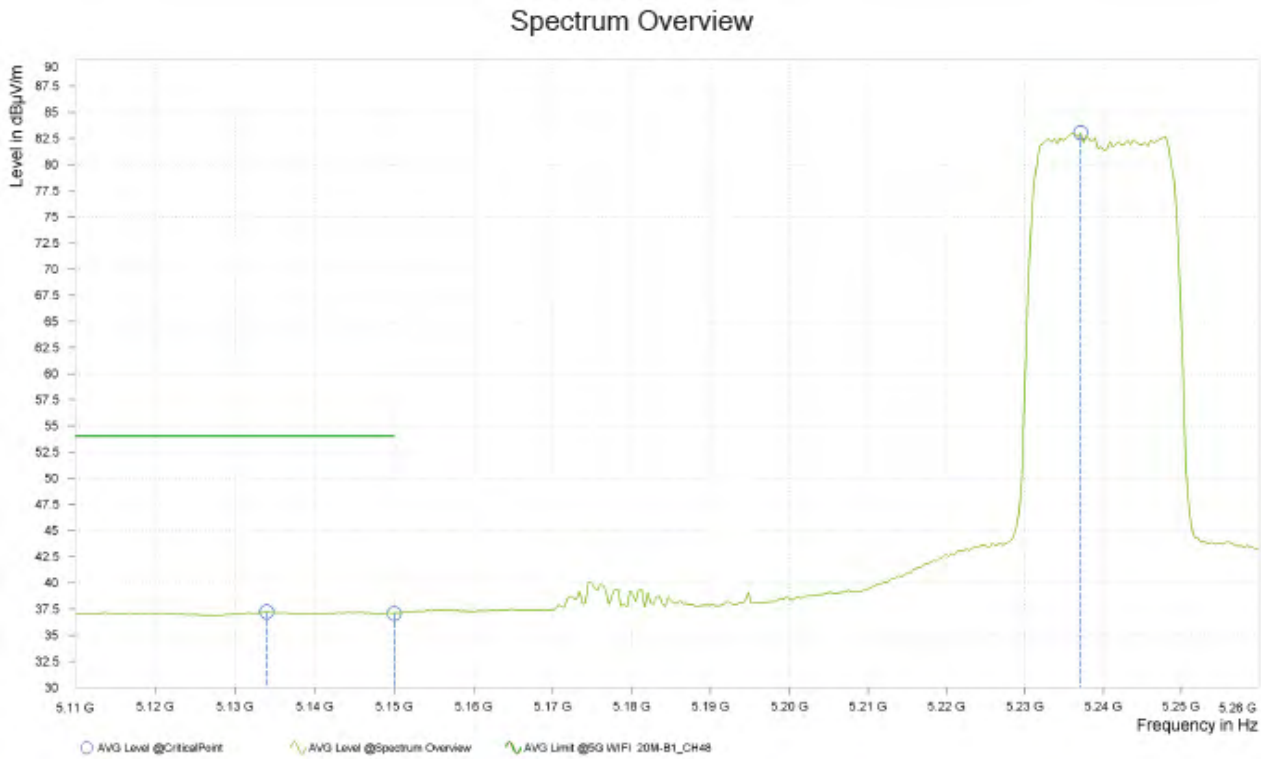
| CHANNEL | TX Channel 48 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |



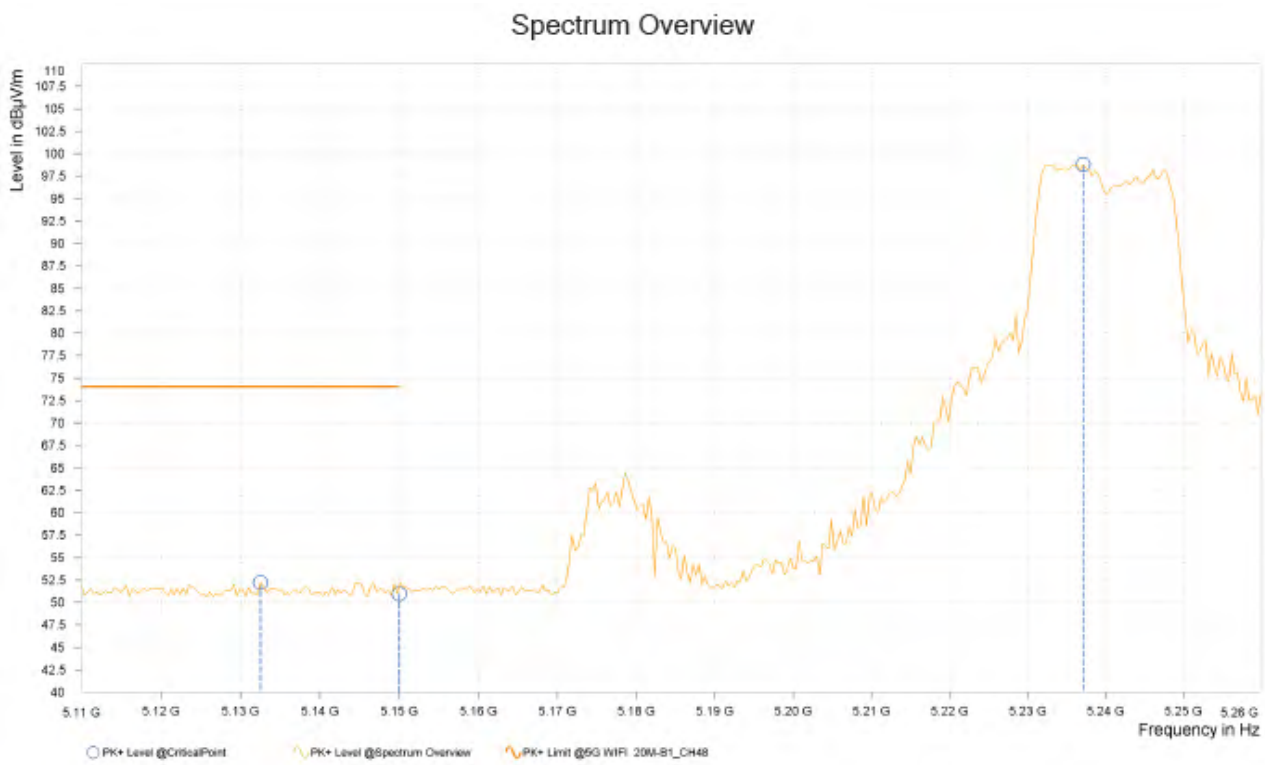

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,143.375 | 37.55 | 54.00 | 16.45 | 3.35 | H | 325.9 | 1.00 |
| 3 | 5,150.000 | 37.36 | 54.00 | 16.64 | 3.38 | H | 5.1 | 1.00 |
| 3 | 5,247.625 | 83.26 | | | 3.55 | H | 264.8 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,120.125 | 52.78 | 74.00 | 21.22 | 3.24 | H | 274.5 | 1.00 |
| 3 | 5,150.000 | 51.05 | 74.00 | 22.95 | 3.38 | H | 17.1 | 2.00 |
| 3 | 5,246.125 | 99.73 | | | 3.55 | H | 266.1 | 2.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,134.000 | 37.24 | 54.00 | 16.76 | 3.31 | V | 47.3 | 1.00 |
| 3 | 5,150.000 | 37.08 | 54.00 | 16.92 | 3.38 | V | 47.3 | 1.00 |
| 3 | 5,237.125 | 83.03 | | | 3.58 | V | 47.3 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,132.500 | 52.23 | 74.00 | 21.77 | 3.30 | V | 95.2 | 1.00 |
| 3 | 5,150.000 | 50.95 | 74.00 | 23.05 | 3.38 | V | 263.7 | 2.00 |
| 3 | 5,237.125 | 98.78 | | | 3.58 | V | 95.2 | 1.00 |

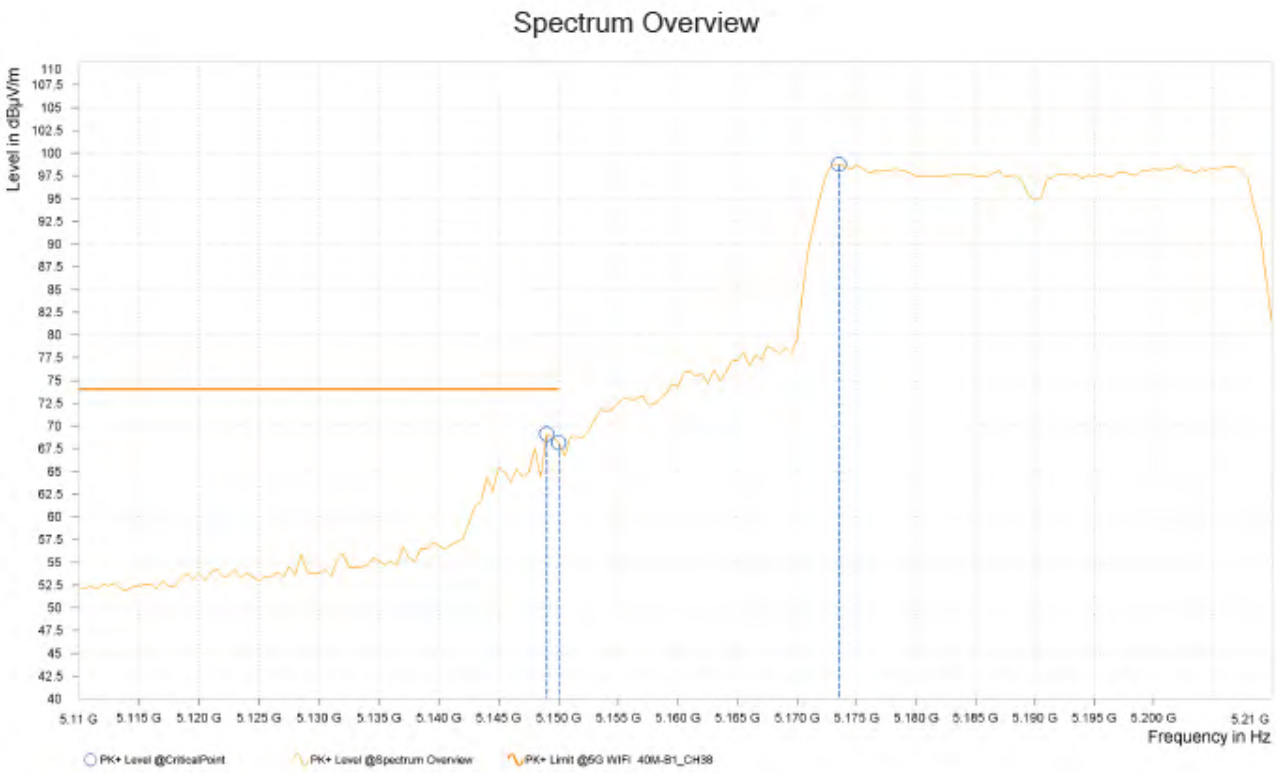
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5240MHz: Fundamental frequency.

**802.11ac (40MHz)**

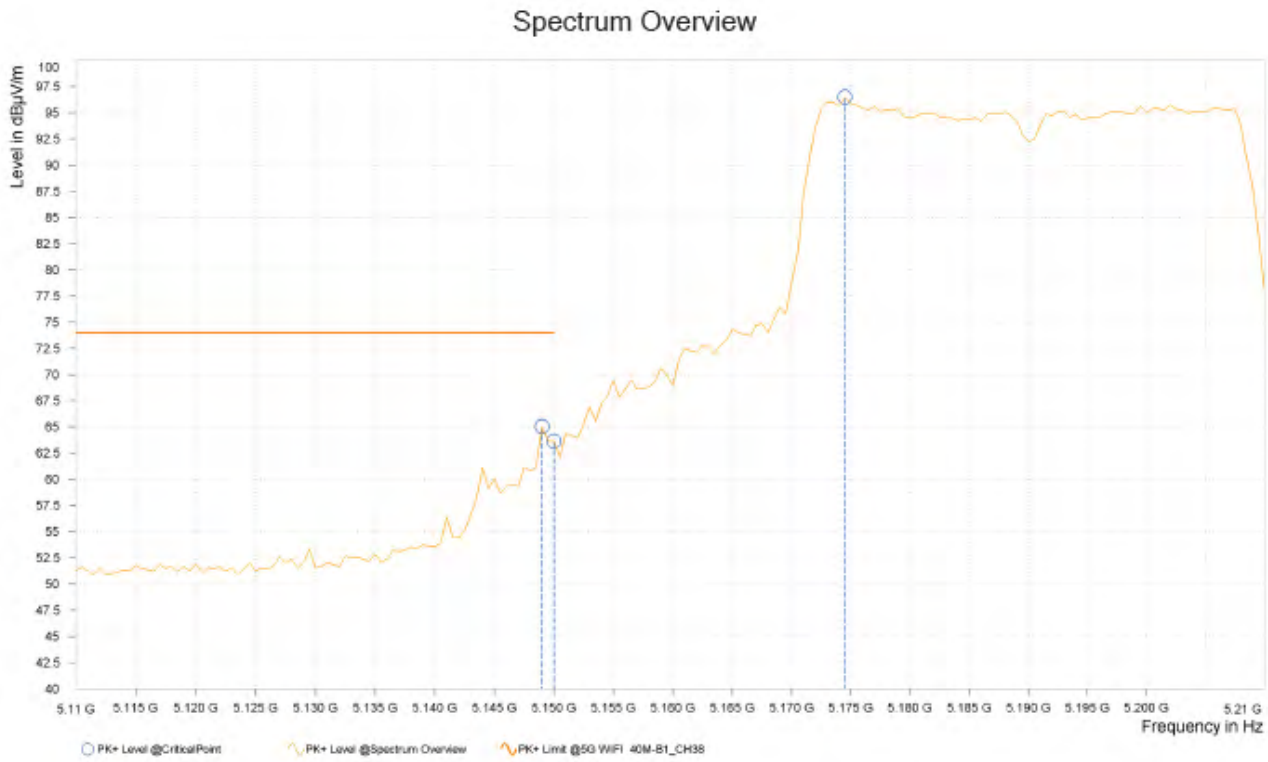
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 38 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.000 | 42.02 | 54.00 | 11.98 | 3.38 | H | 195 | 1.00 |
| 1 | 5,150.000 | 42.16 | 54.00 | 11.84 | 3.38 | H | 195 | 1.00 |
| 1 | 5,206.500 | 75.71 | | | 3.68 | H | 233.8 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.000 | 69.11 | 74.00 | 4.89 | 3.38 | H | 218.2 | 1.00 |
| 1 | 5,150.000 | 68.14 | 74.00 | 5.86 | 3.39 | H | 211.1 | 2.00 |
| 1 | 5,173.500 | 98.75 | | | 3.55 | H | 211.1 | 2.00 |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.000 | 39.76 | 54.00 | 14.24 | 3.38 | V | 170.6 | 1.00 |
| 1 | 5,150.000 | 39.91 | 54.00 | 14.09 | 3.39 | V | 170.6 | 1.00 |
| 1 | 5,173.500 | 73.61 | | | 3.55 | V | 170.6 | 1.00 |



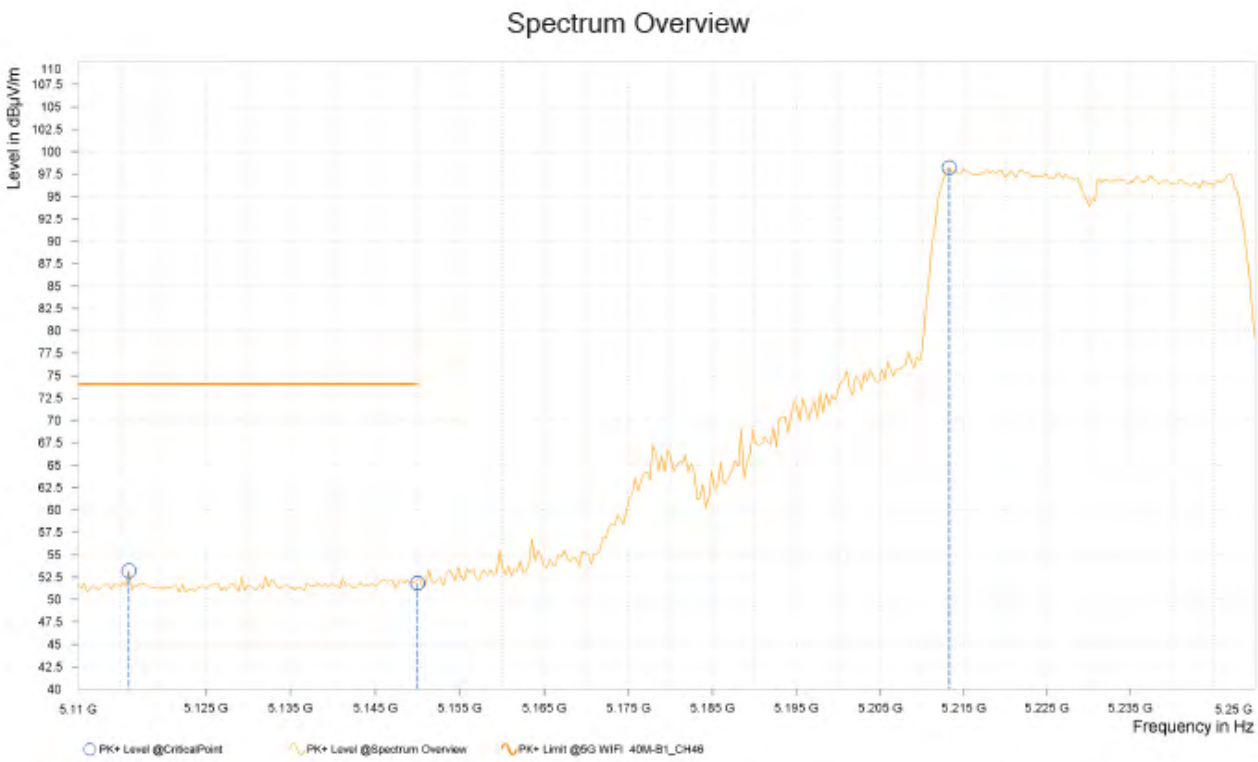

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,149.000 | 65.06 | 74.00 | 8.94 | 3.38 | V | 268.3 | 1.00 |
| 1 | 5,150.000 | 63.65 | 74.00 | 10.35 | 3.38 | V | 169.4 | 1.00 |
| 1 | 5,174.500 | 96.48 | | | 3.55 | V | 268.3 | 1.00 |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5190MHz: Fundamental frequency.

| CHANNEL | TX Channel 46 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,149.000 | 37.70 | 54.00 | 16.30 | 3.38 | H | 211 | 2.00 |
| 2 | 5,150.000 | 37.88 | 54.00 | 16.12 | 3.39 | H | 211 | 2.00 |
| 2 | 5,212.900 | 76.08 | | | 3.66 | H | 235 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,115.950 | 53.18 | 74.00 | 20.82 | 3.22 | H | 334.1 | 2.00 |
| 2 | 5,150.000 | 51.82 | 74.00 | 22.18 | 3.38 | H | 340.6 | 1.00 |
| 2 | 5,213.250 | 98.20 | | | 3.66 | H | 193.8 | 1.00 |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,149.200 | 37.13 | 54.00 | 16.87 | 3.38 | V | 170.6 | 1.00 |
| 2 | 5,150.000 | 37.18 | 54.00 | 16.82 | 3.39 | V | 170.6 | 1.00 |
| 2 | 5,213.600 | 73.80 | | | 3.66 | V | 170.6 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 2 | 5,110.000 | 52.01 | 74.00 | 21.99 | 3.19 | V | 329.9 | 1.00 |
| 2 | 5,150.000 | 51.86 | 74.00 | 22.14 | 3.38 | V | 333.4 | 2.00 |
| 2 | 5,224.100 | 95.02 | | | 3.62 | V | 309.6 | 2.00 |

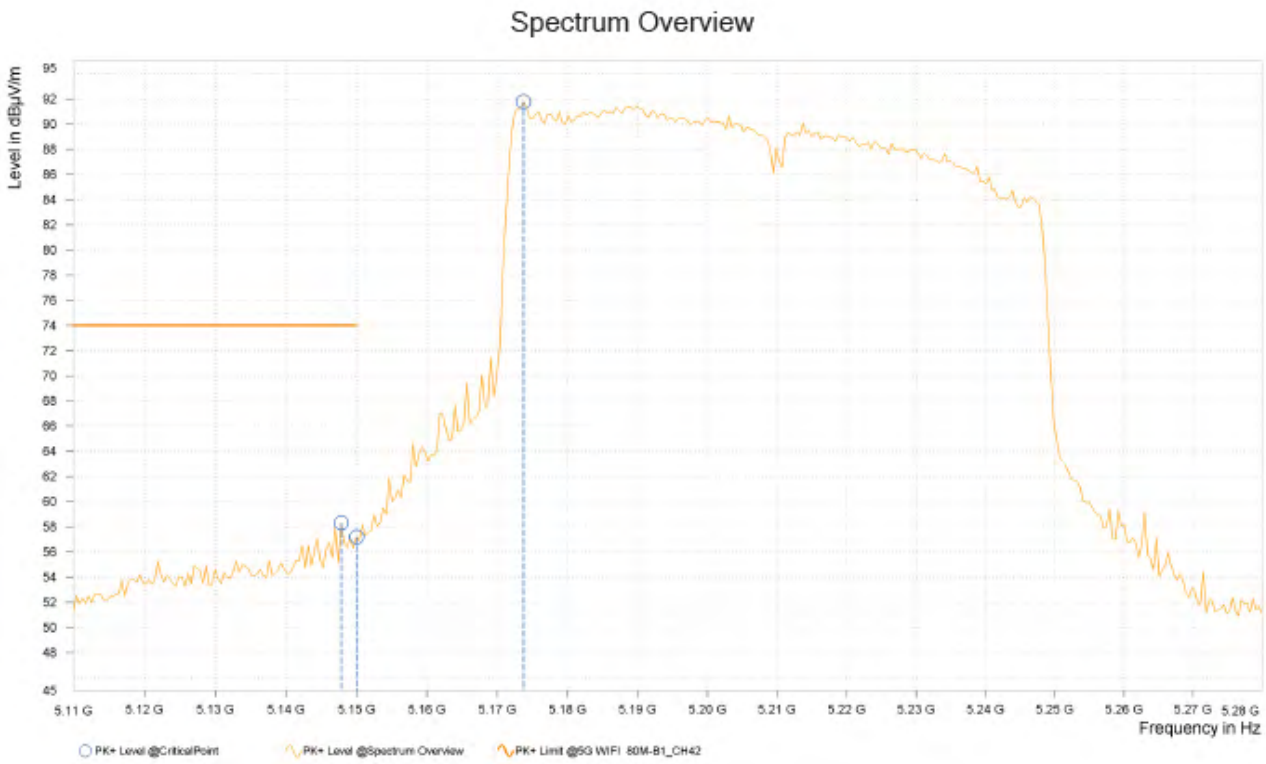
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5230MHz: Fundamental frequency.

**802.11ac (80MHz)**

| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 42 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,147.825 | 40.98 | 54.00 | 13.02 | 3.38 | H | 219.4 | 2.00 |
| 10 | 5,150.000 | 40.95 | 54.00 | 13.05 | 3.39 | H | 219.4 | 2.00 |
| 10 | 5,234.100 | 65.96 | | | 3.59 | H | 268.4 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,147.825 | 58.31 | 74.00 | 15.69 | 3.38 | H | 328.2 | 1.00 |
| 10 | 5,150.000 | 57.19 | 74.00 | 16.81 | 3.39 | H | 328.2 | 1.00 |
| 10 | 5,173.750 | 91.79 | | | 3.55 | H | 328.2 | 1.00 |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,146.550 | 38.97 | 54.00 | 15.03 | 3.37 | V | 59.3 | 1.00 |
| 10 | 5,150.000 | 39.18 | 54.00 | 14.82 | 3.39 | V | 59.3 | 1.00 |
| 10 | 5,173.750 | 64.15 | | | 3.55 | V | 59.3 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,147.825 | 58.20 | 74.00 | 15.80 | 3.38 | V | 292.3 | 1.00 |
| 10 | 5,150.000 | 57.63 | 74.00 | 16.37 | 3.39 | V | 292.3 | 1.00 |
| 10 | 5,193.725 | 94.41 | | | 3.69 | V | 91.6 | 1.00 |

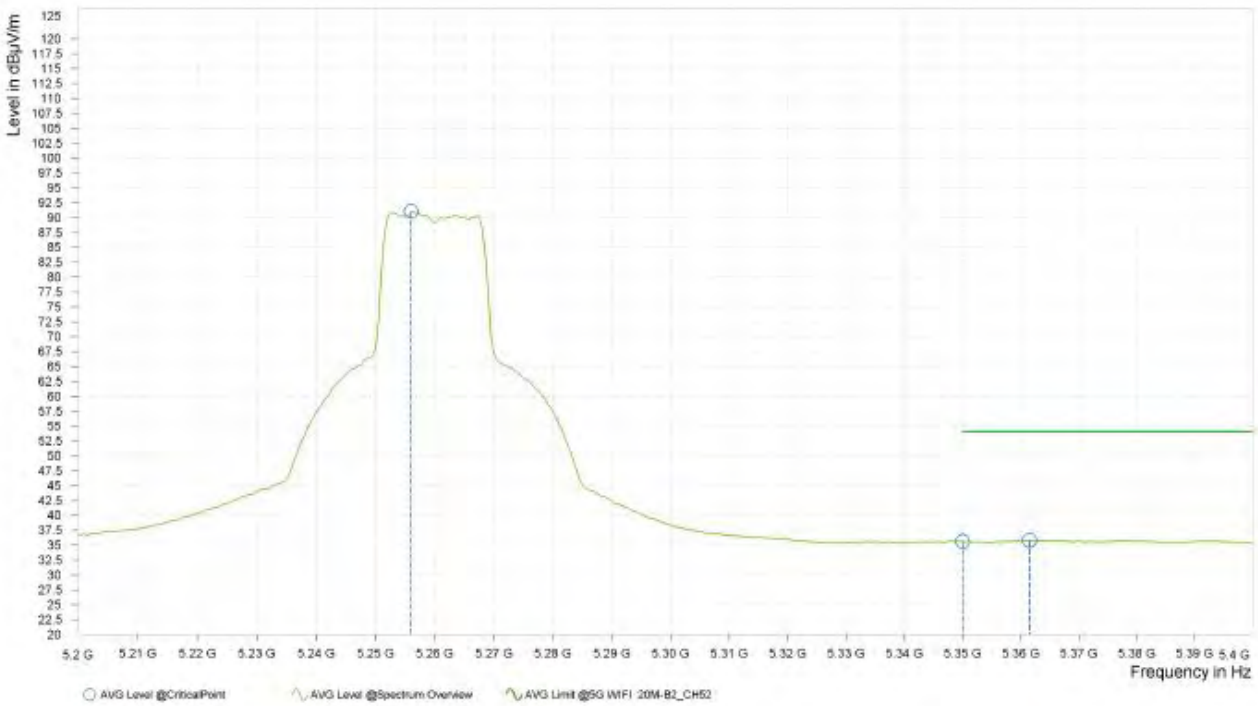
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5210MHz: Fundamental frequency.

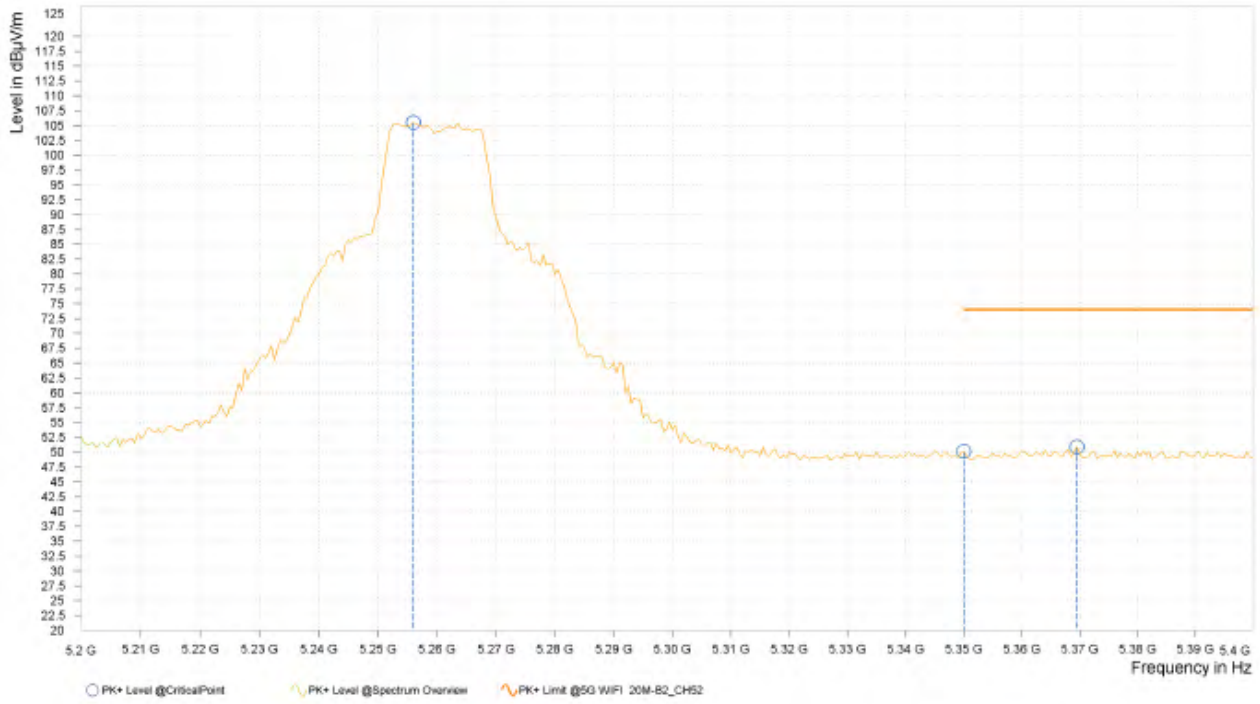
**Band 2:**

**802.11a**

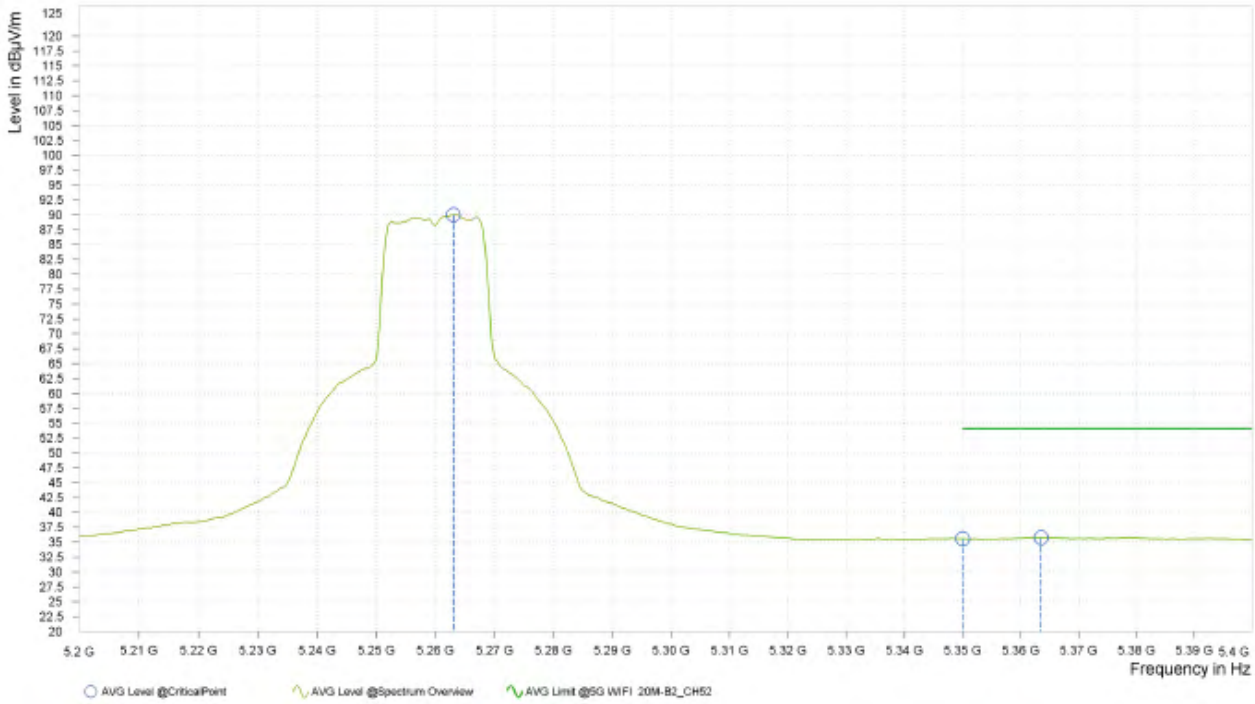
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 52 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |



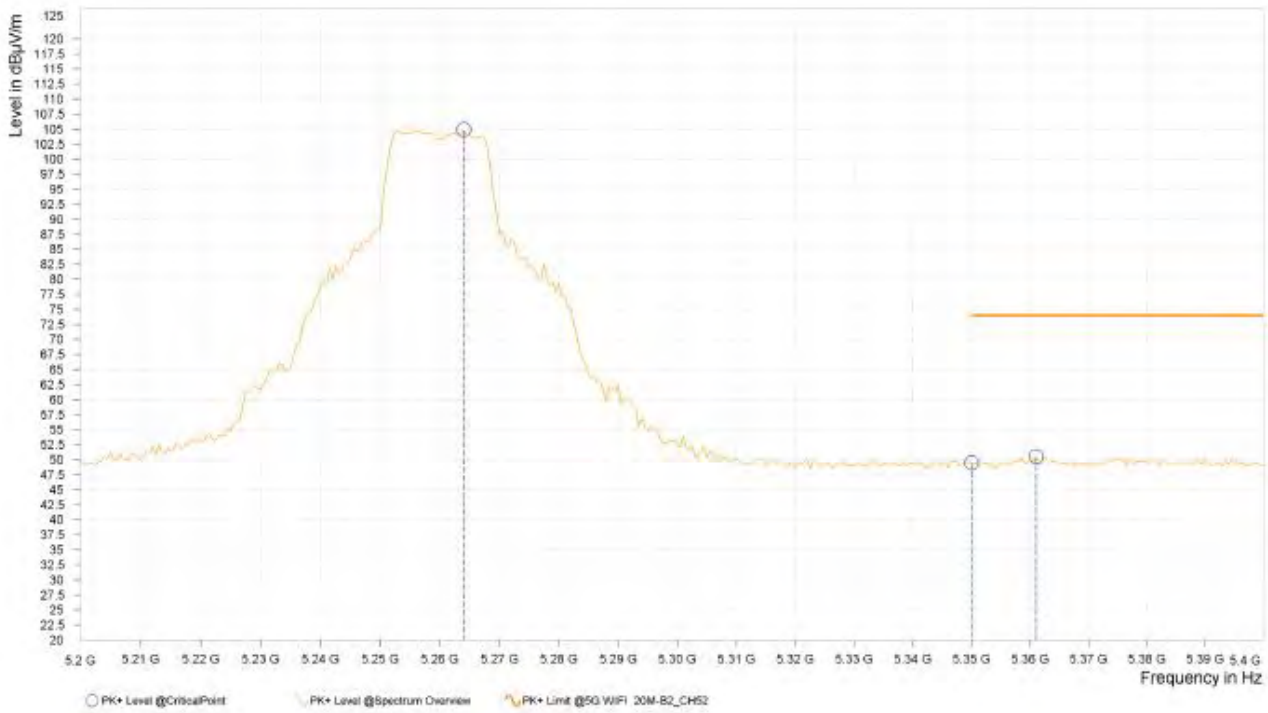

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,256.000 | 91.03 | | | 10.91 | H | 164.2 | 1.00 |
| 4 | 5,350.000 | 35.65 | 54.00 | 18.35 | 11.10 | H | 164.2 | 1.00 |
| 4 | 5,361.500 | 35.80 | 54.00 | 18.20 | 11.11 | H | 251.8 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,256.000 | 105.50 | | | 10.91 | H | 163 | 1.00 |
| 4 | 5,350.000 | 50.10 | 74.00 | 23.90 | 11.10 | H | 355.1 | 2.00 |
| 4 | 5,369.500 | 50.90 | 74.00 | 23.10 | 11.12 | H | 359.1 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,263.000 | 89.97 | | | 10.92 | V | 105.7 | 1.00 |
| 4 | 5,350.000 | 35.58 | 54.00 | 18.42 | 11.10 | V | 105.7 | 1.00 |
| 4 | 5,363.500 | 35.75 | 54.00 | 18.25 | 11.11 | V | 197 | 2.00 |



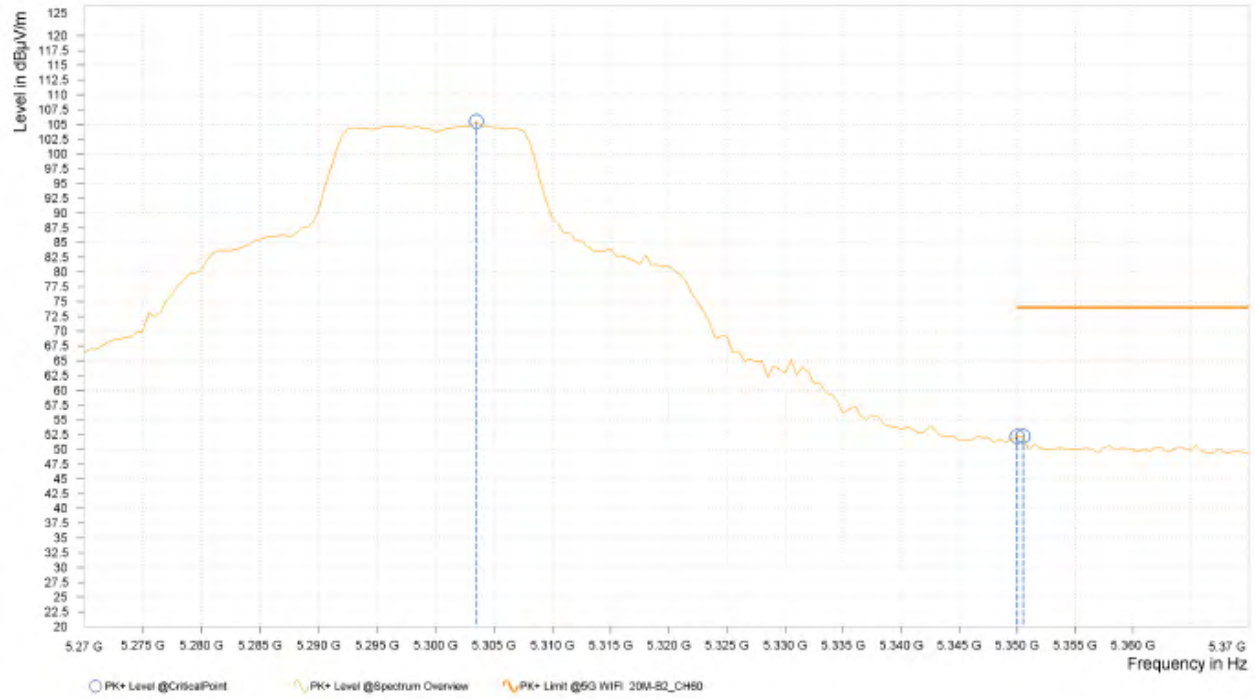

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,264.000 | 104.91 | | | 10.92 | V | 108 | 1.00 |
| 4 | 5,350.000 | 49.45 | 74.00 | 24.55 | 11.10 | V | 220.4 | 1.00 |
| 4 | 5,361.000 | 50.51 | 74.00 | 23.49 | 11.11 | V | 1 | 2.00 |

**REMARKS:**

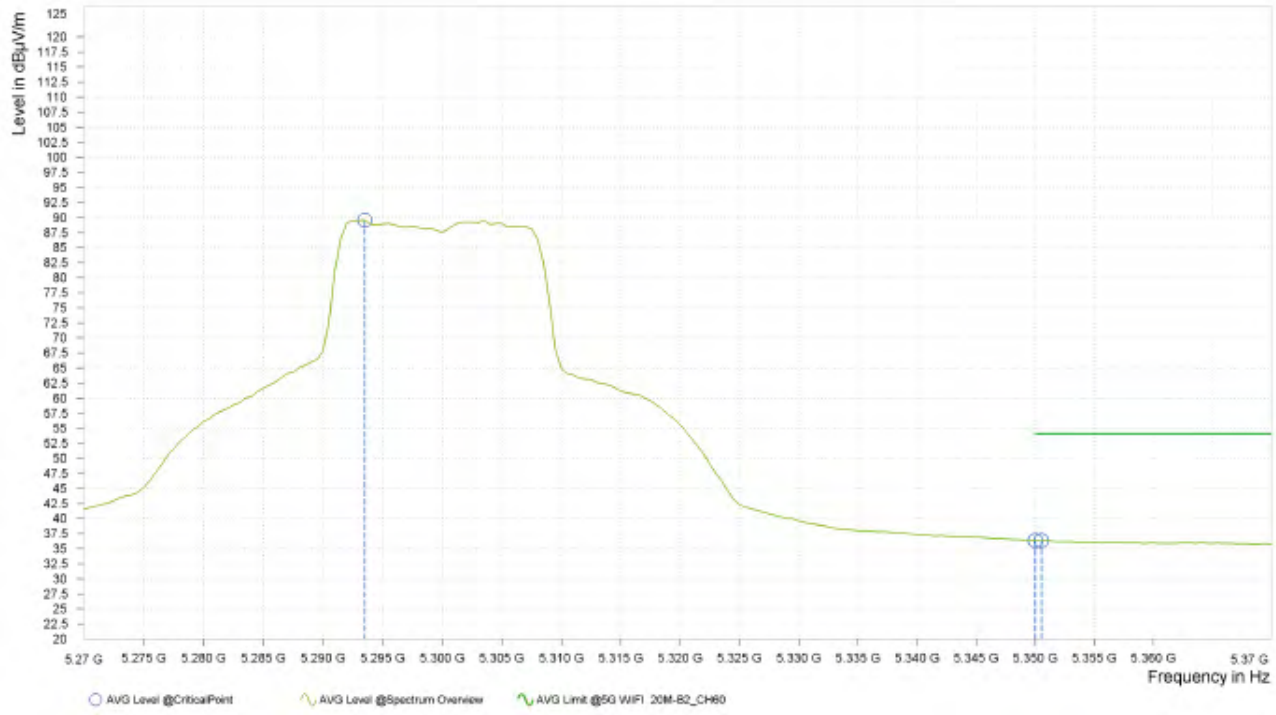
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5260MHz: Fundamental frequency.

| CHANNEL | TX Channel 60 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |

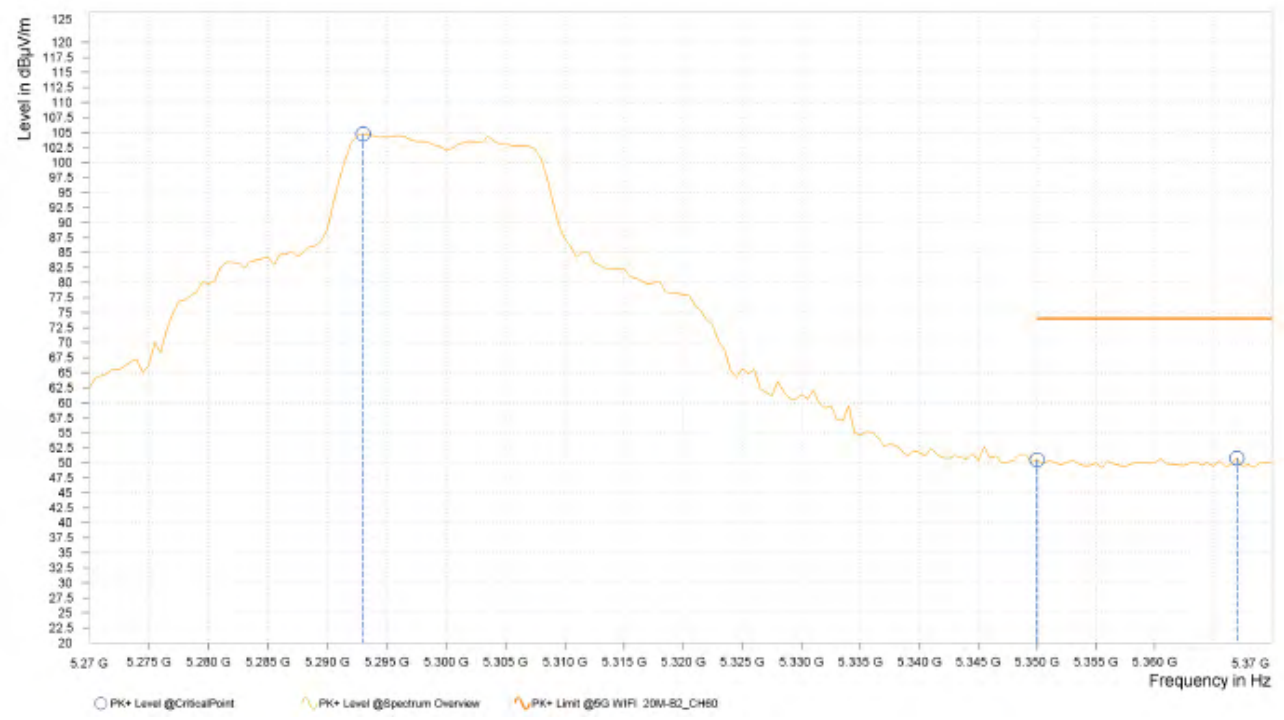
| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,303.500 | 90.28 | | | 10.98 | H | 85.7 | 2.00 |
| 6 | 5,350.000 | 37.09 | 54.00 | 16.91 | 11.10 | H | 10.6 | 1.00 |
| 6 | 5,350.500 | 37.00 | 54.00 | 17.00 | 11.10 | H | 10.6 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,303.500 | 105.52 | | | 10.98 | H | 84.6 | 2.00 |
| 6 | 5,350.000 | 52.19 | 74.00 | 21.81 | 11.10 | H | 167.8 | 1.00 |
| 6 | 5,350.500 | 52.22 | 74.00 | 21.78 | 11.10 | H | 84.6 | 2.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,293.500 | 89.56 | | | 10.96 | V | 104.5 | 1.00 |
| 6 | 5,350.000 | 36.34 | 54.00 | 17.66 | 11.10 | V | 309.4 | 2.00 |
| 6 | 5,350.500 | 36.35 | 54.00 | 17.65 | 11.10 | V | 309.4 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,293.000 | 104.75 | | | 10.96 | V | 106.9 | 1.00 |
| 6 | 5,350.000 | 50.50 | 74.00 | 23.50 | 11.10 | V | 51.9 | 1.00 |
| 6 | 5,367.000 | 50.78 | 74.00 | 23.22 | 11.12 | V | 2.3 | 2.00 |

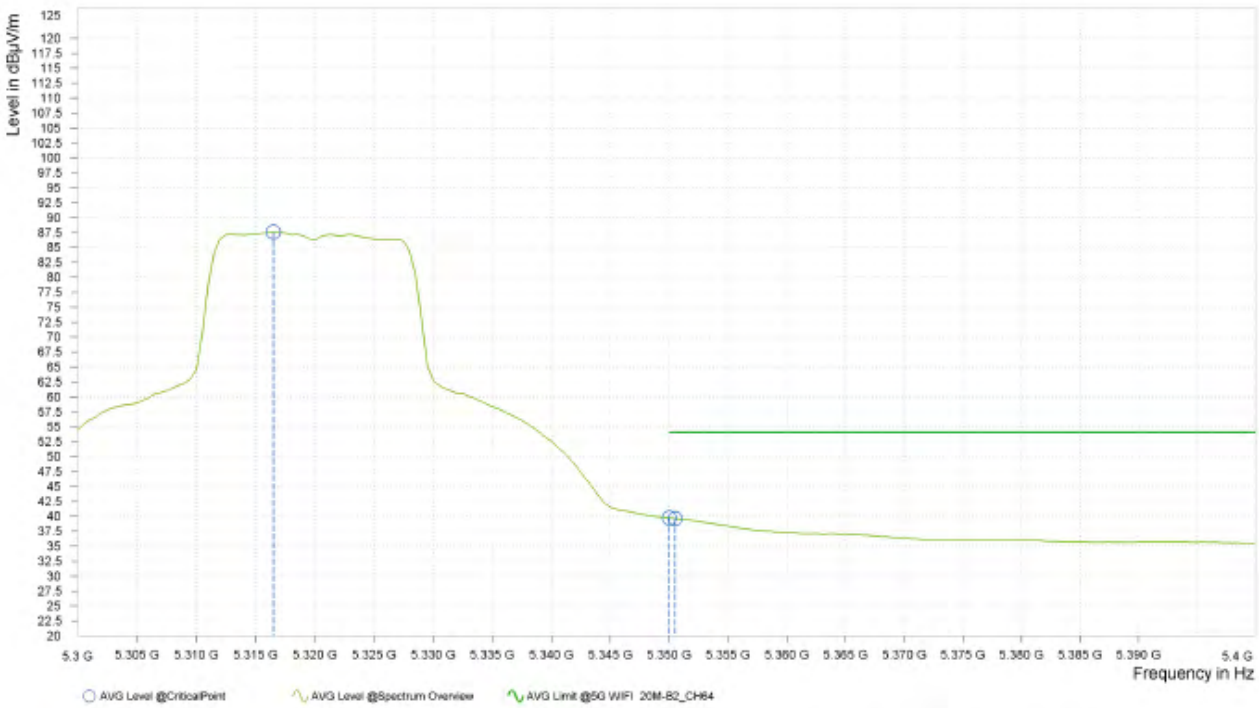
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5300MHz: Fundamental frequency.

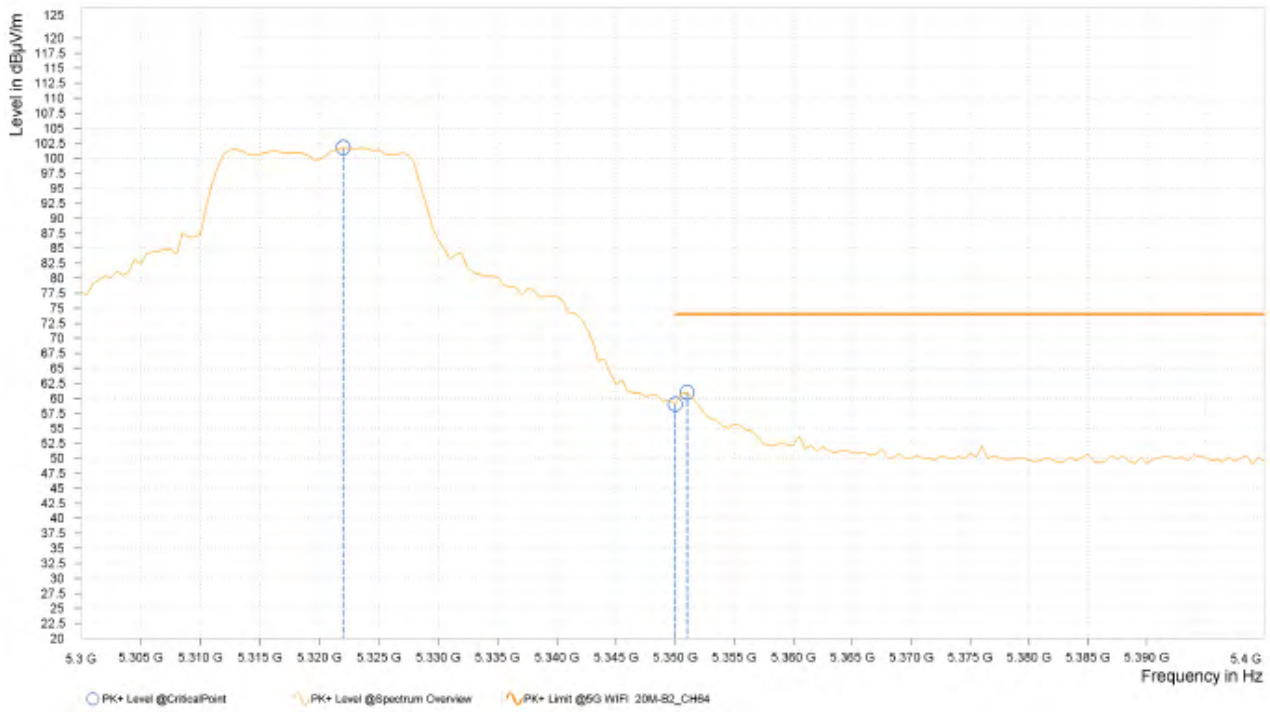
| CHANNEL | TX Channel 64 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,316.000 | 91.28 | | | 11.01 | H | 4.9 | 1.00 |
| 7 | 5,350.000 | 41.51 | 54.00 | 12.49 | 11.10 | H | 195.8 | 2.00 |
| 7 | 5,350.500 | 41.28 | 54.00 | 12.72 | 11.10 | H | 195.8 | 2.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,316.000 | 103.98 | | | 11.01 | H | 195.8 | 2.00 |
| 7 | 5,350.000 | 63.42 | 74.00 | 10.58 | 11.10 | H | 5.6 | 1.00 |
| 7 | 5,351.000 | 64.05 | 74.00 | 9.95 | 11.10 | H | 5.6 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,316.500 | 87.57 | | | 11.01 | V | 51.9 | 1.00 |
| 7 | 5,350.000 | 39.72 | 54.00 | 14.28 | 11.10 | V | 308.1 | 2.00 |
| 7 | 5,350.500 | 39.63 | 54.00 | 14.37 | 11.10 | V | 308.1 | 2.00 |



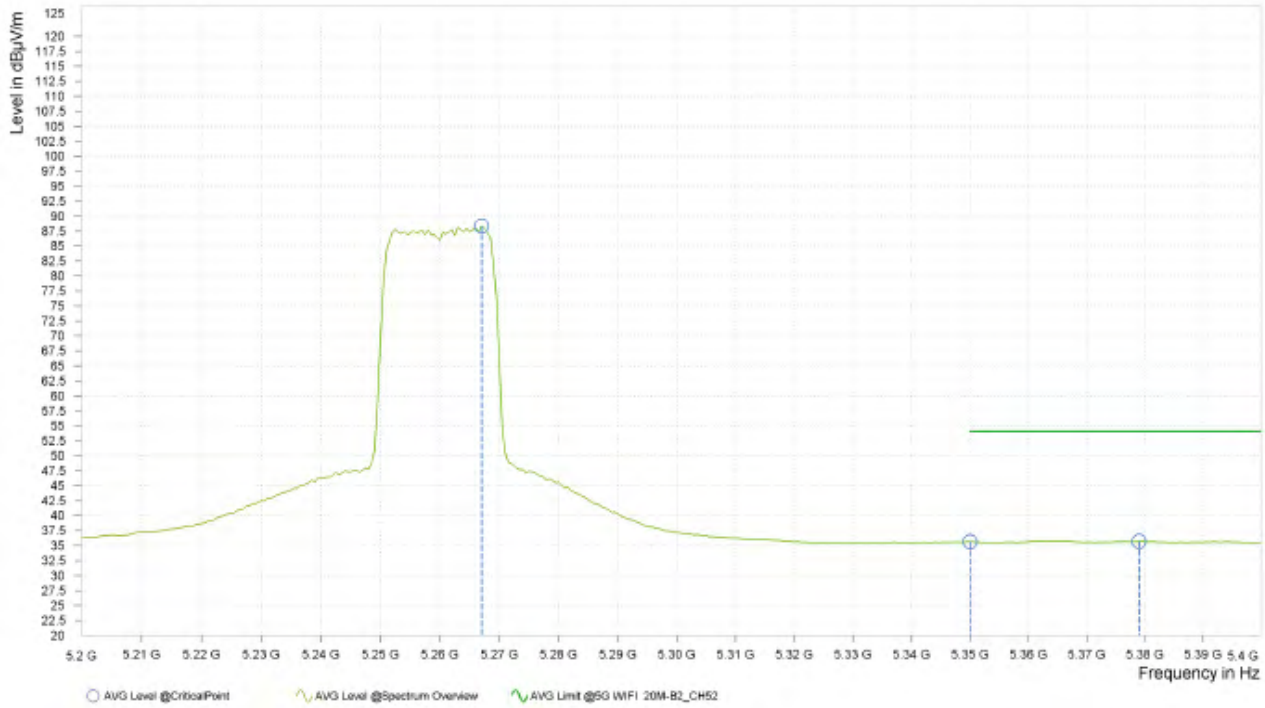

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,322.000 | 101.75 | | | 11.03 | V | 140.7 | 2.00 |
| 7 | 5,350.000 | 58.98 | 74.00 | 15.02 | 11.10 | V | 59 | 1.00 |
| 7 | 5,351.000 | 60.99 | 74.00 | 13.01 | 11.10 | V | 309.3 | 2.00 |

**REMARKS:**

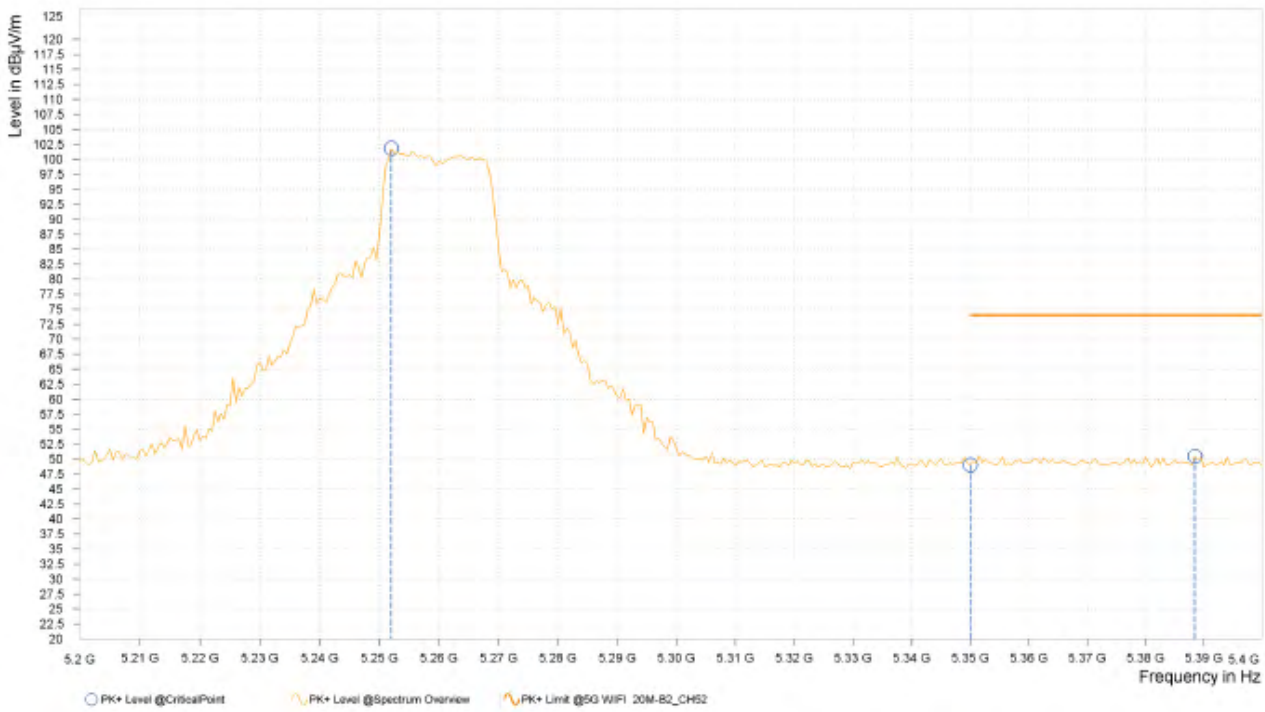
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5320MHz: Fundamental frequency.

**802.11n (20MHz)**

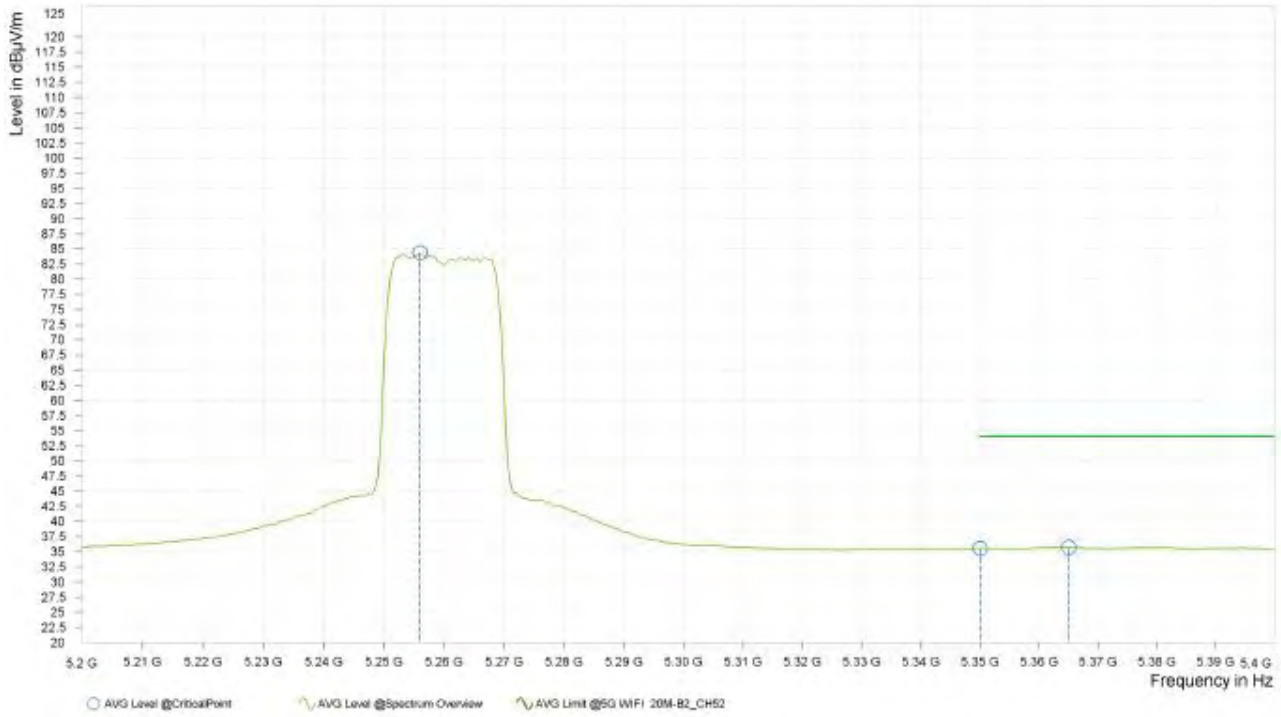
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 52 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |



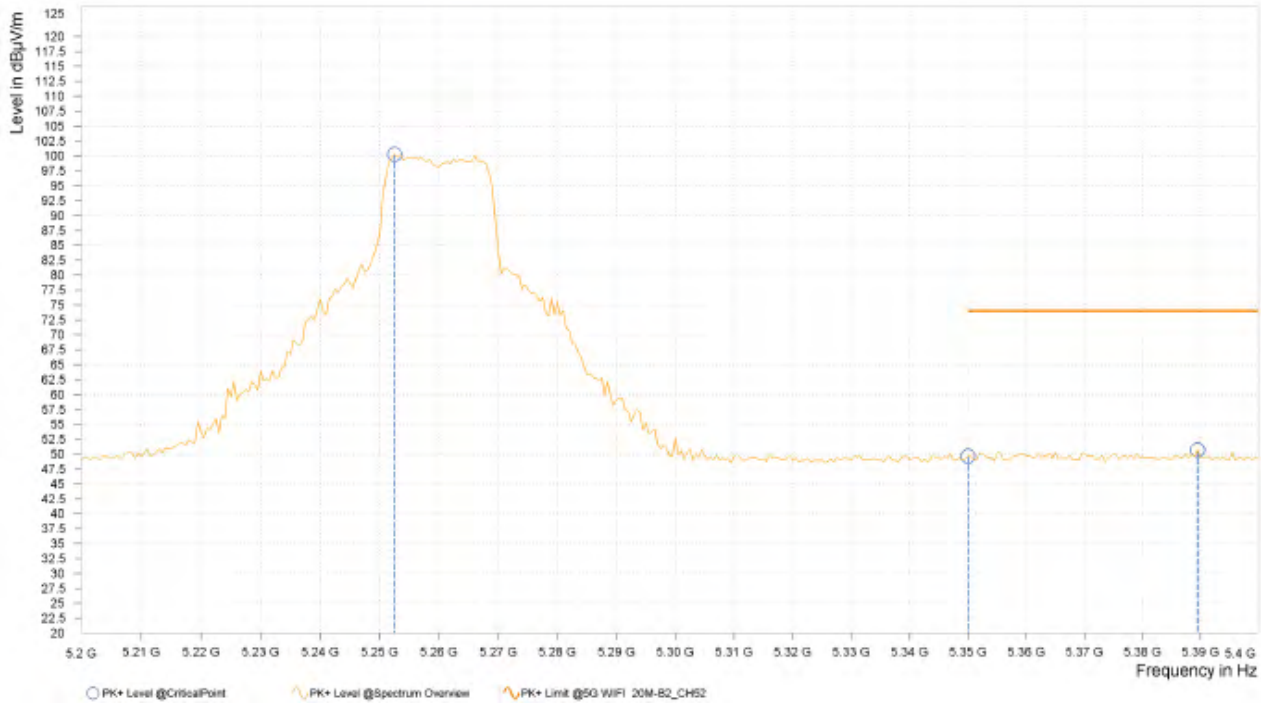

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,267.000 | 88.37 | | | 10.92 | H | 182.2 | 1.00 |
| 4 | 5,350.000 | 35.66 | 54.00 | 18.34 | 11.10 | H | 239.9 | 2.00 |
| 4 | 5,379.000 | 35.71 | 54.00 | 18.29 | 11.12 | H | 0.9 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,252.000 | 101.83 | | | 10.90 | H | 152.2 | 1.00 |
| 4 | 5,350.000 | 49.03 | 74.00 | 24.97 | 11.10 | H | 118 | 2.00 |
| 4 | 5,388.500 | 50.49 | 74.00 | 23.51 | 11.13 | H | 257.4 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,256.000 | 84.35 | | | 10.91 | V | 302.2 | 2.00 |
| 4 | 5,350.000 | 35.53 | 54.00 | 18.47 | 11.10 | V | 355.1 | 2.00 |
| 4 | 5,365.000 | 35.70 | 54.00 | 18.30 | 11.11 | V | 4.9 | 1.00 |

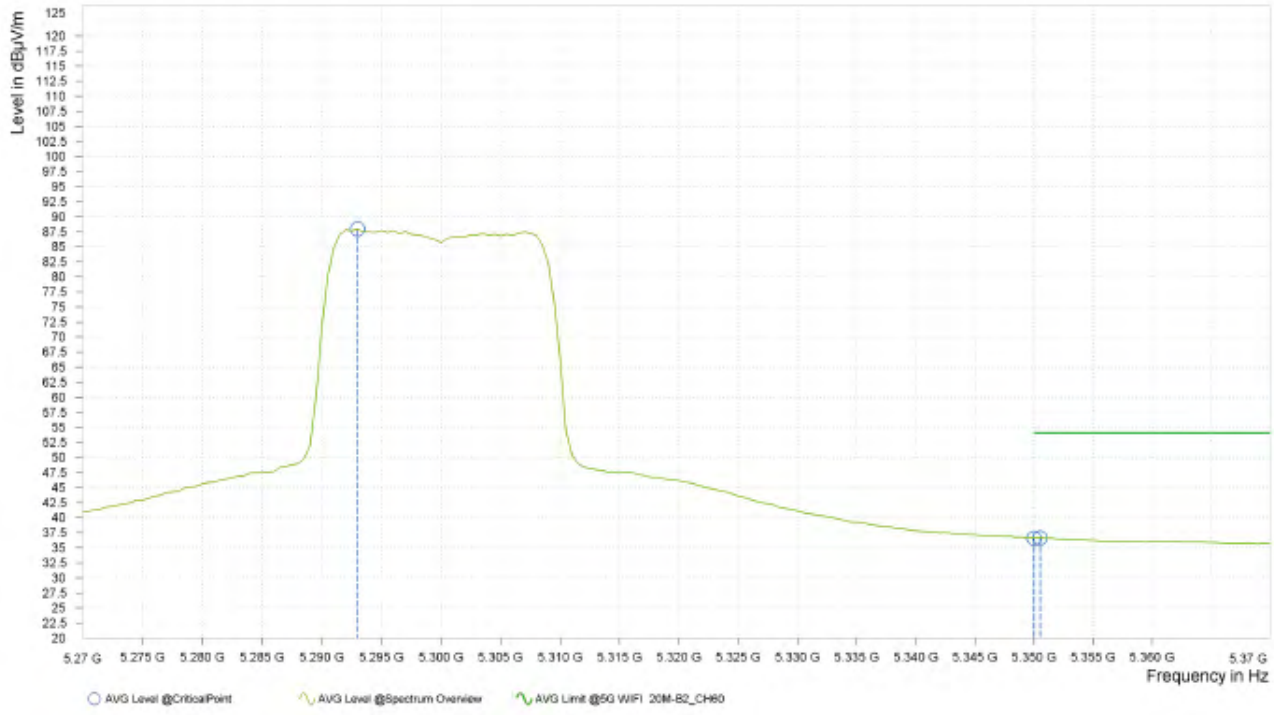



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,252.500 | 100.26 | | | 10.90 | V | 241.9 | 1.00 |
| 4 | 5,350.000 | 49.65 | 74.00 | 24.35 | 11.10 | V | 0.9 | 2.00 |
| 4 | 5,389.500 | 50.67 | 74.00 | 23.33 | 11.13 | V | 359 | 2.00 |

**REMARKS:**

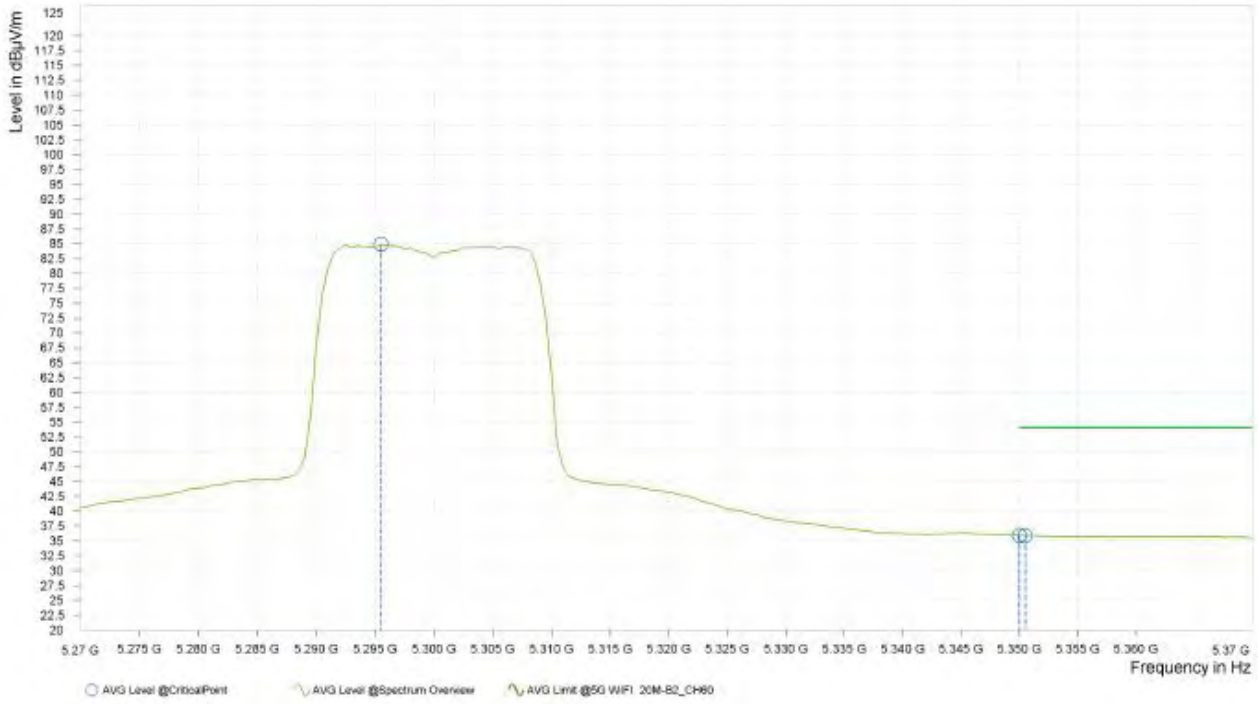
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5260MHz: Fundamental frequency.

| CHANNEL | TX Channel 60 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,293.000 | 87.91 | | | 10.96 | H | 60.2 | 1.00 |
| 6 | 5,350.000 | 36.60 | 54.00 | 17.40 | 11.10 | H | 183.4 | 1.00 |
| 6 | 5,350.500 | 36.65 | 54.00 | 17.35 | 11.10 | H | 183.4 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,292.500 | 103.26 | | | 10.96 | H | 56.6 | 1.00 |
| 6 | 5,350.000 | 50.33 | 74.00 | 23.67 | 11.10 | H | 170.6 | 2.00 |
| 6 | 5,352.000 | 51.26 | 74.00 | 22.74 | 11.11 | H | 183.3 | 1.00 |



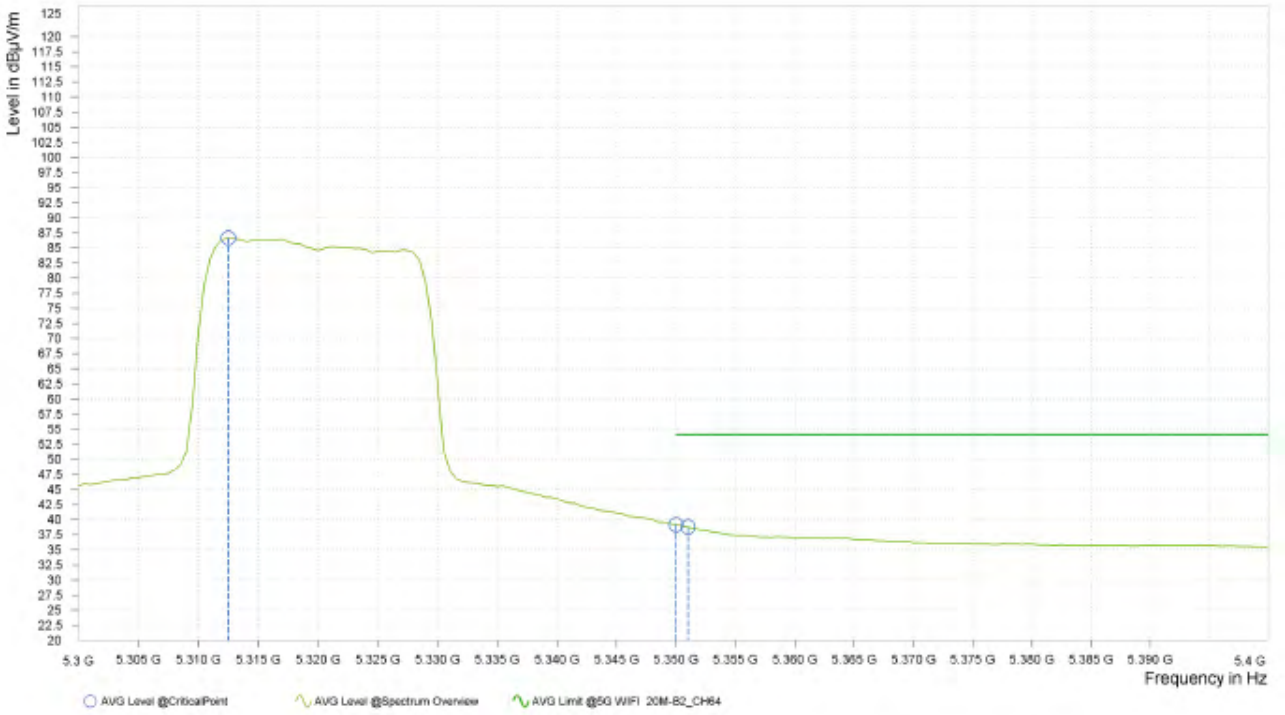

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,295.500 | 84.88 | | | 10.96 | V | 176.6 | 2.00 |
| 6 | 5,350.000 | 35.94 | 54.00 | 18.06 | 11.10 | V | 243.1 | 1.00 |
| 6 | 5,350.500 | 35.90 | 54.00 | 18.10 | 11.10 | V | 243.1 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,295.000 | 100.55 | | | 10.96 | V | 252.6 | 1.00 |
| 6 | 5,350.000 | 50.01 | 74.00 | 23.99 | 11.10 | V | 60.2 | 1.00 |
| 6 | 5,350.500 | 50.65 | 74.00 | 23.35 | 11.10 | V | 60.2 | 1.00 |

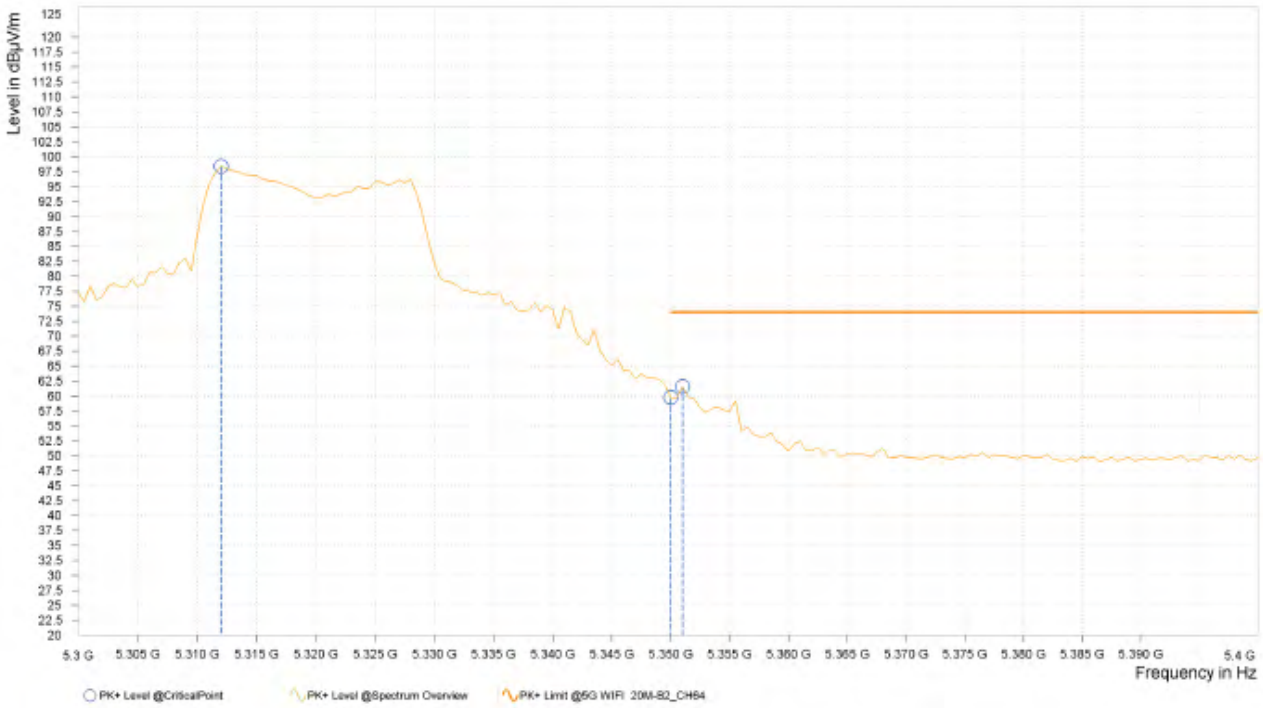
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5300MHz: Fundamental frequency.

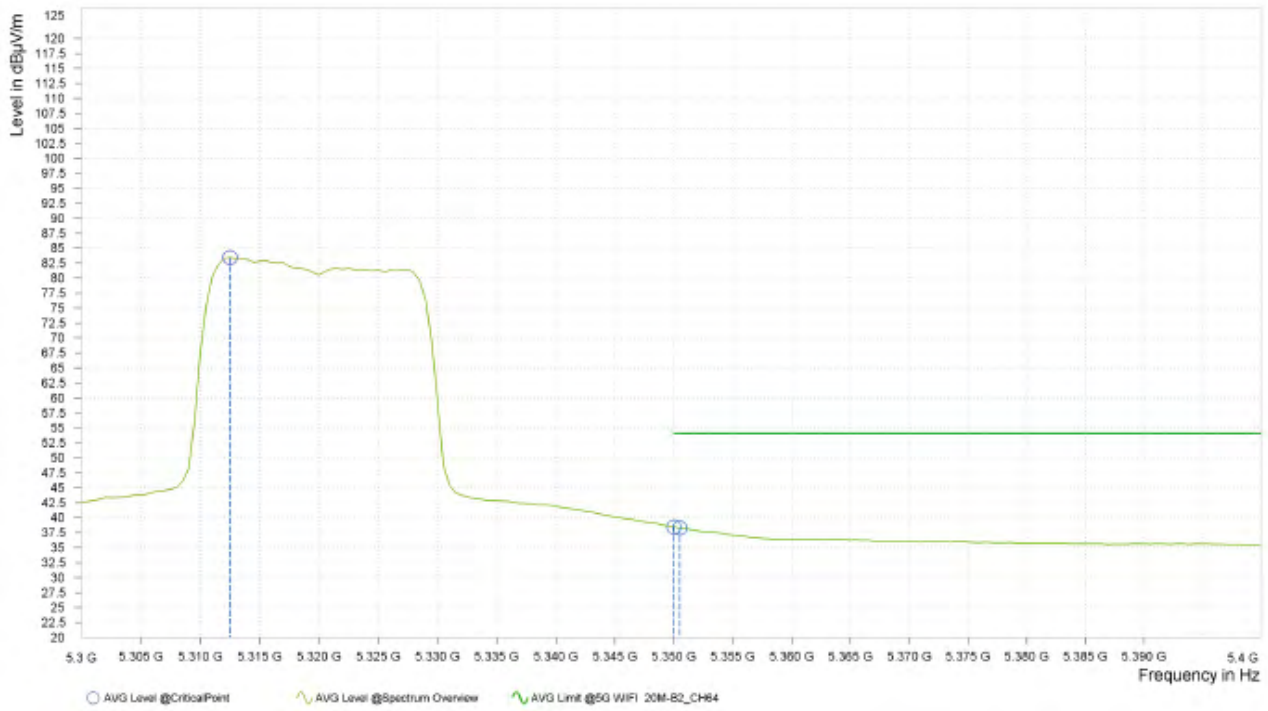
| CHANNEL | TX Channel 64 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |



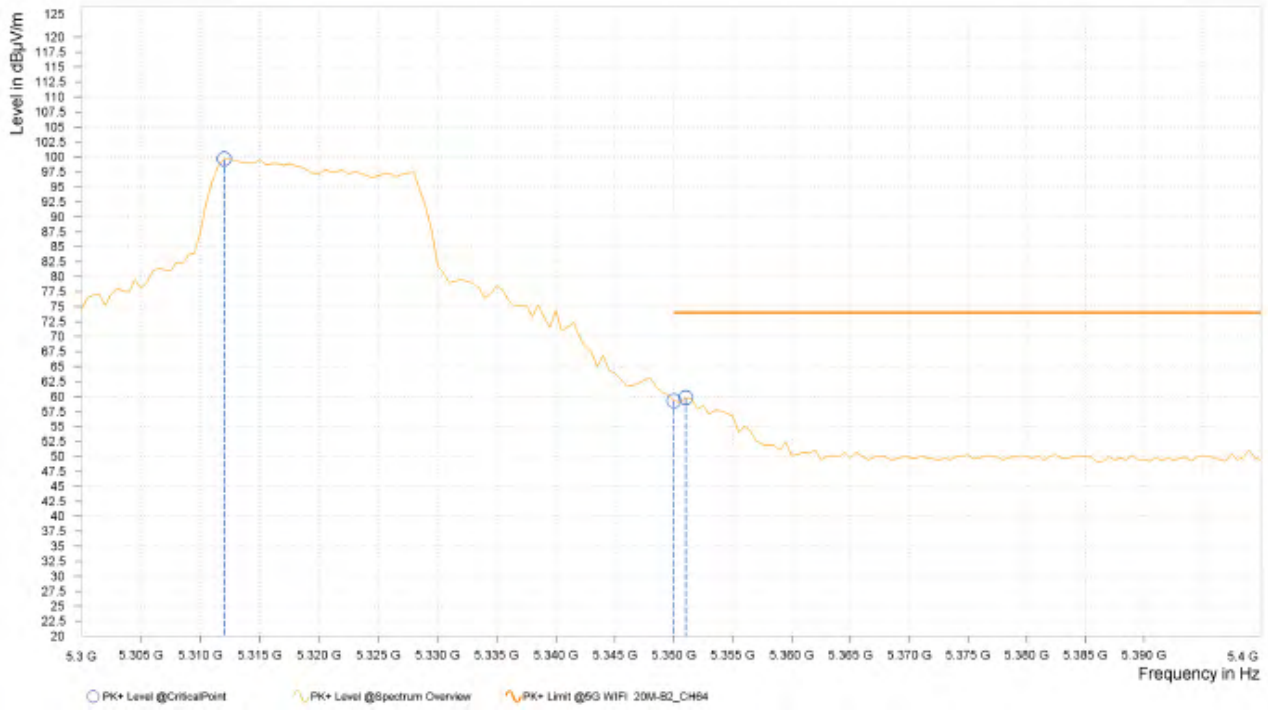

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,312.500 | 86.68 | | | 11.00 | H | 189.4 | 1.00 |
| 7 | 5,350.000 | 39.14 | 54.00 | 14.86 | 11.10 | H | 238.7 | 2.00 |
| 7 | 5,351.000 | 38.78 | 54.00 | 15.22 | 11.10 | H | 238.7 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,312.000 | 98.41 | | | 11.00 | H | 201.3 | 1.00 |
| 7 | 5,350.000 | 59.73 | 74.00 | 14.27 | 11.10 | H | 113.2 | 2.00 |
| 7 | 5,351.000 | 61.53 | 74.00 | 12.47 | 11.10 | H | 113.2 | 2.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,312.500 | 83.43 | | | 11.00 | V | 263.4 | 1.00 |
| 7 | 5,350.000 | 38.47 | 54.00 | 15.53 | 11.10 | V | 175.4 | 2.00 |
| 7 | 5,350.500 | 38.28 | 54.00 | 15.72 | 11.10 | V | 175.4 | 2.00 |



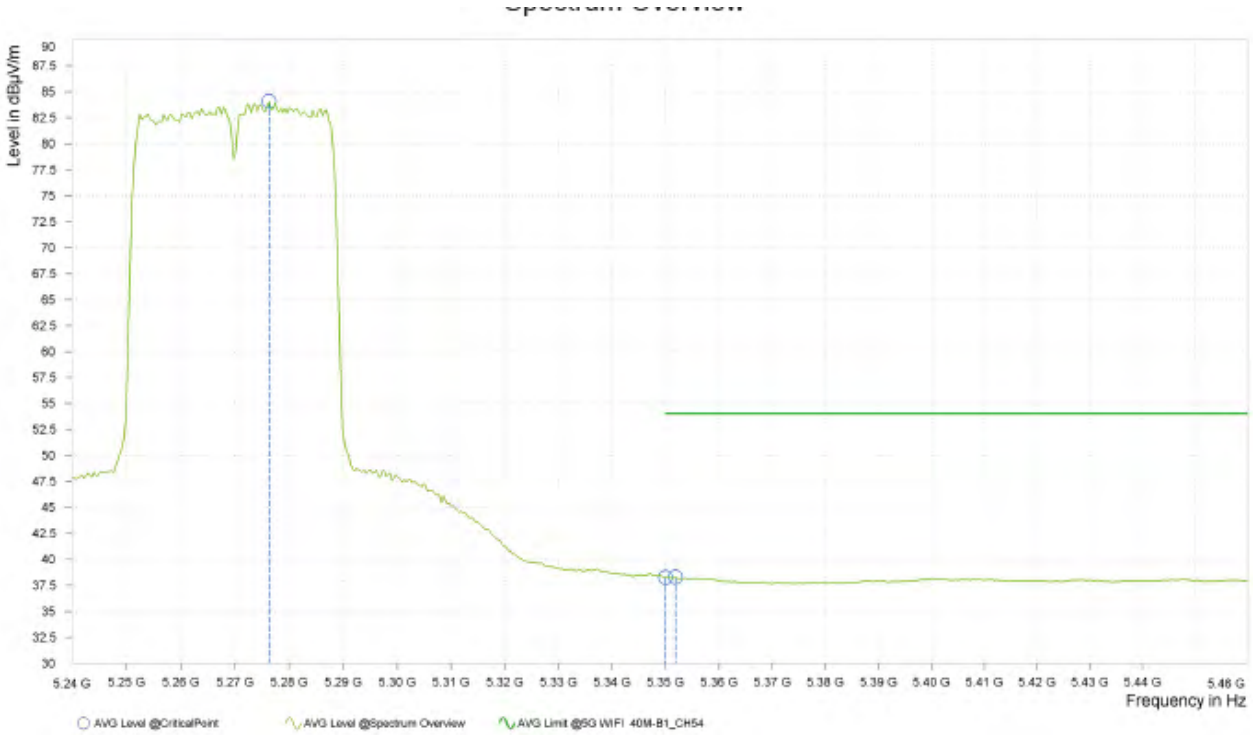

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,312.000 | 99.64 | | | 11.00 | V | 247.9 | 1.00 |
| 7 | 5,350.000 | 59.29 | 74.00 | 14.71 | 11.10 | V | 60.2 | 1.00 |
| 7 | 5,351.000 | 59.82 | 74.00 | 14.18 | 11.10 | V | 247.9 | 1.00 |

**REMARKS:**

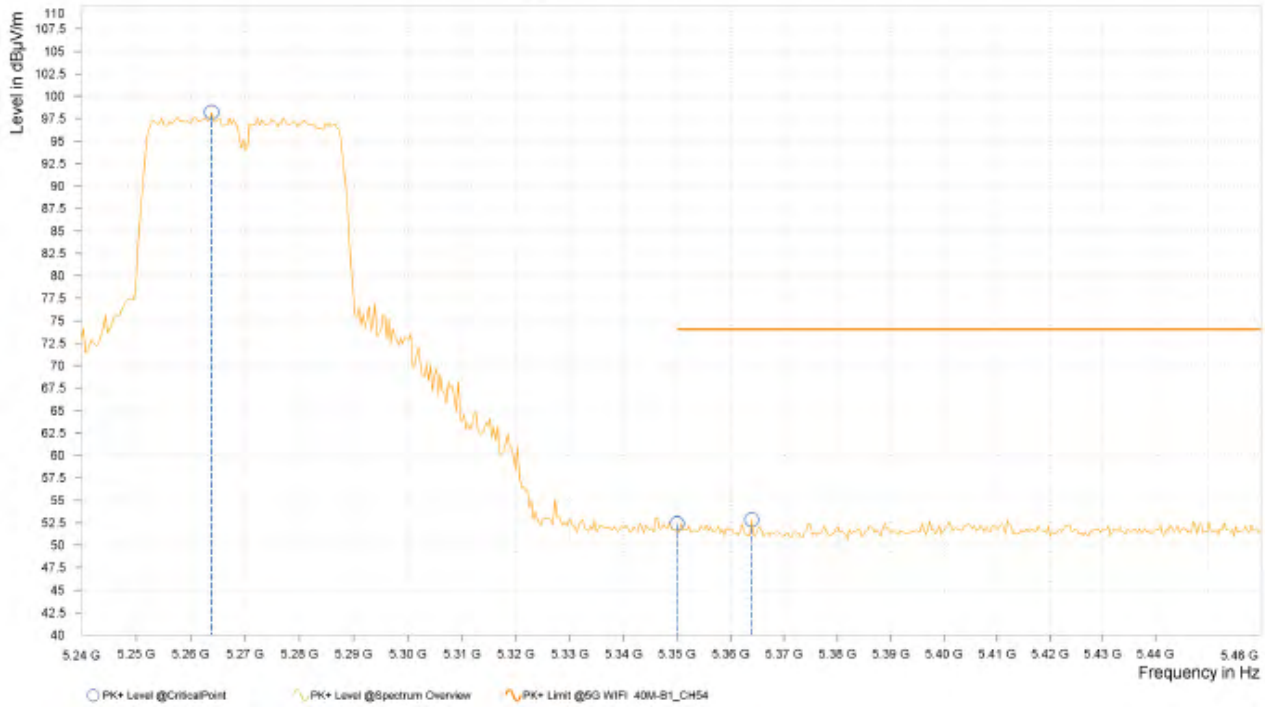
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5320MHz: Fundamental frequency.

**802.11n (40MHz)**

| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 54 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |

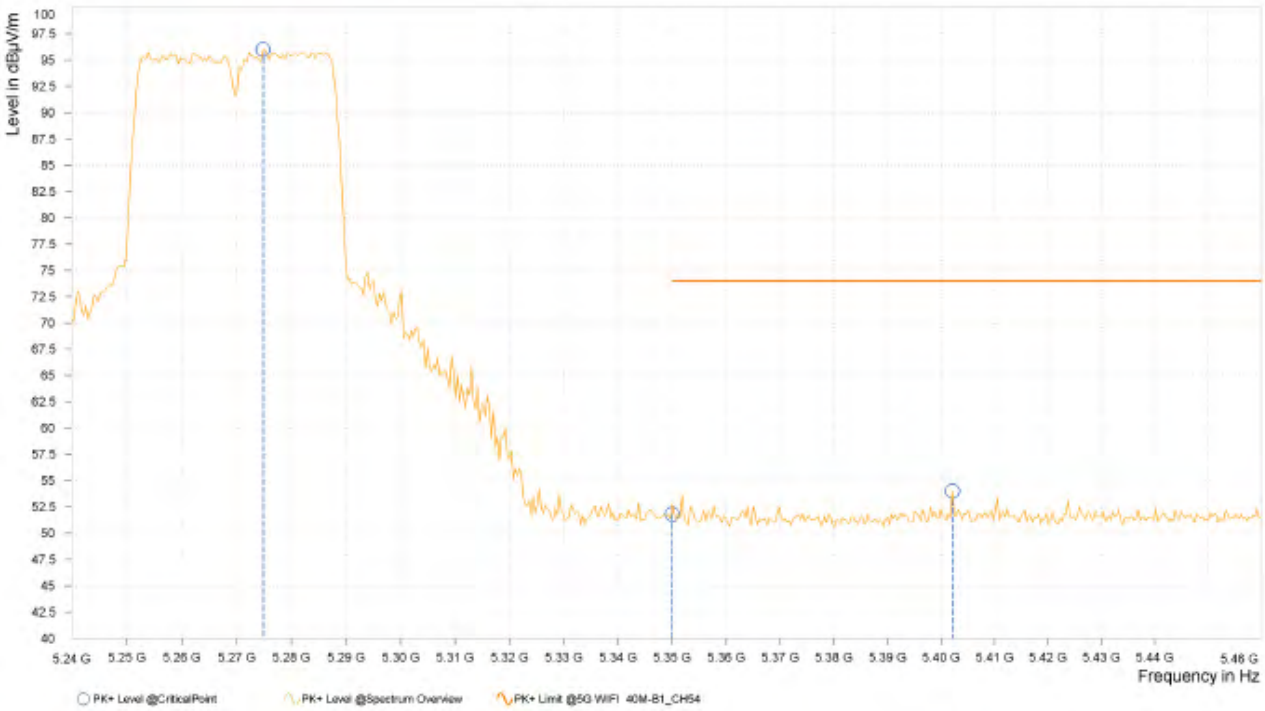



| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,276.300 | 84.10 | | | 3.50 | H | 173.6 | 1.00 |
| 3 | 5,350.000 | 38.26 | 54.00 | 15.74 | 3.60 | H | 30.9 | 1.00 |
| 3 | 5,351.833 | 38.30 | 54.00 | 15.70 | 3.60 | H | 30.9 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,263.833 | 98.20 | | | 3.52 | H | 199.7 | 2.00 |
| 3 | 5,350.000 | 52.40 | 74.00 | 21.60 | 3.60 | H | 0.9 | 2.00 |
| 3 | 5,363.933 | 52.85 | 74.00 | 21.15 | 3.61 | H | 359 | 1.00 |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,253.567 | 80.20 | | | 3.53 | V | 85.7 | 1.00 |
| 3 | 5,350.000 | 38.06 | 54.00 | 15.94 | 3.60 | V | 85.7 | 1.00 |
| 3 | 5,355.867 | 38.08 | 54.00 | 15.92 | 3.60 | V | 85.7 | 1.00 |

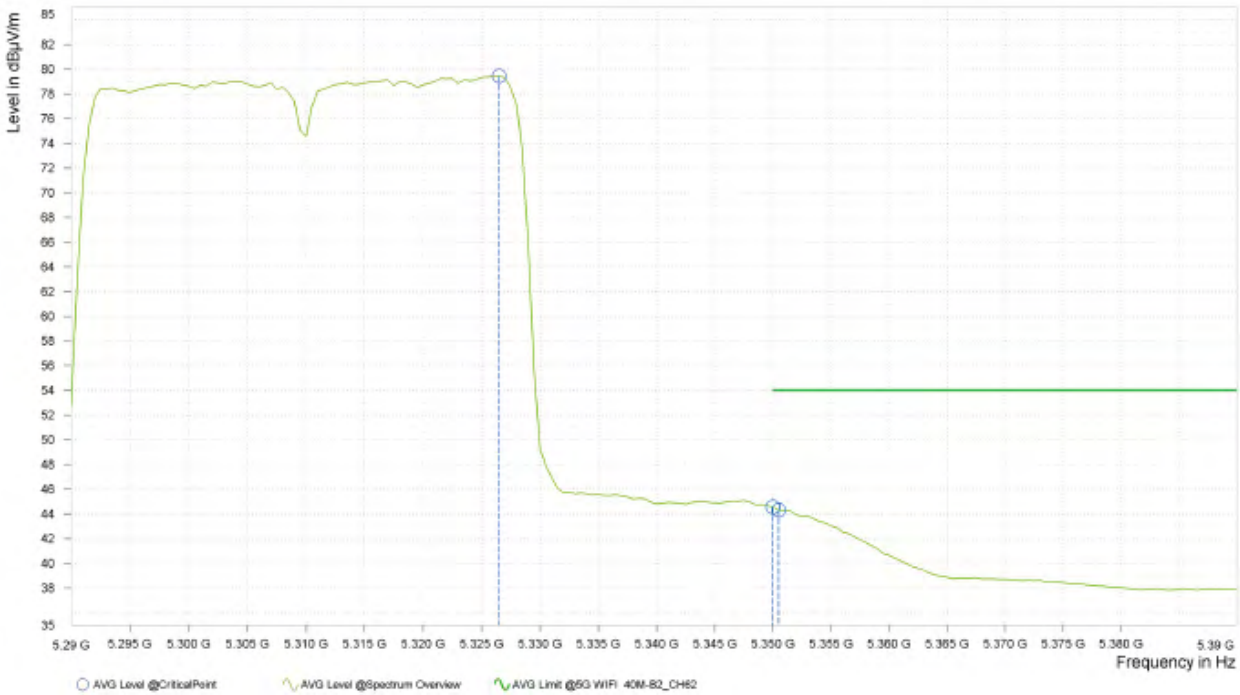



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,274.833 | 96.00 | | | 3.51 | V | 166.3 | 2.00 |
| 3 | 5,350.000 | 51.81 | 74.00 | 22.19 | 3.60 | V | 103.7 | 2.00 |
| 3 | 5,402.067 | 54.01 | 74.00 | 19.99 | 3.63 | V | 359 | 2.00 |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5270MHz: Fundamental frequency.

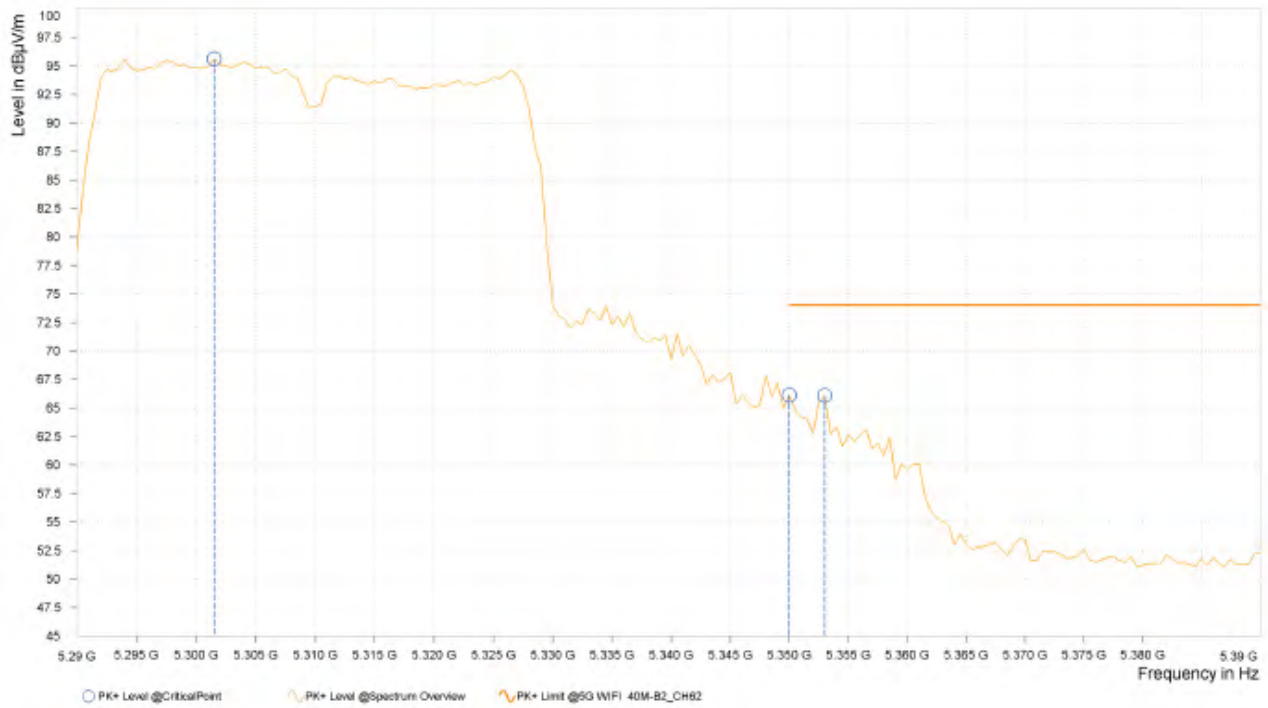
| CHANNEL | TX Channel 62 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,326.500 | 79.44 | | | 3.54 | H | 223.6 | 2.00 |
| 4 | 5,350.000 | 44.55 | 54.00 | 9.45 | 3.60 | H | 155.6 | 1.00 |
| 4 | 5,350.500 | 44.30 | 54.00 | 9.70 | 3.60 | H | 155.6 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,293.500 | 99.32 | | | 3.48 | H | 218.2 | 2.00 |
| 4 | 5,350.000 | 68.24 | 74.00 | 5.76 | 3.60 | H | 30.8 | 1.00 |
| 4 | 5,353.000 | 68.17 | 74.00 | 5.83 | 3.60 | H | 30.8 | 1.00 |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,293.500 | 79.24 | | | 3.48 | V | 151.4 | 2.00 |
| 4 | 5,350.000 | 41.97 | 54.00 | 12.03 | 3.60 | V | 178.9 | 2.00 |
| 4 | 5,350.500 | 41.96 | 54.00 | 12.04 | 3.60 | V | 178.9 | 2.00 |



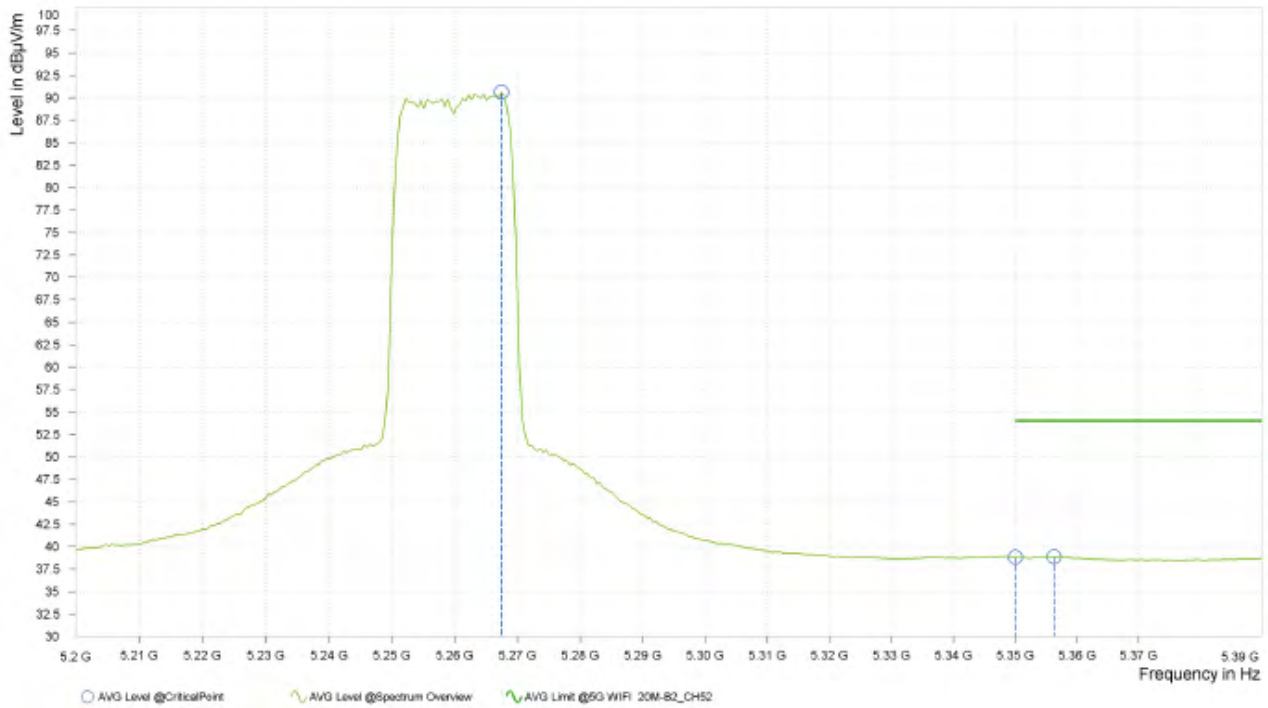

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,301.500 | 95.62 | | | 3.48 | V | 164.5 | 2.00 |
| 4 | 5,350.000 | 66.13 | 74.00 | 7.87 | 3.60 | V | 6.2 | 1.00 |
| 4 | 5,353.000 | 66.09 | 74.00 | 7.91 | 3.60 | V | 6.2 | 1.00 |

**REMARKS:**

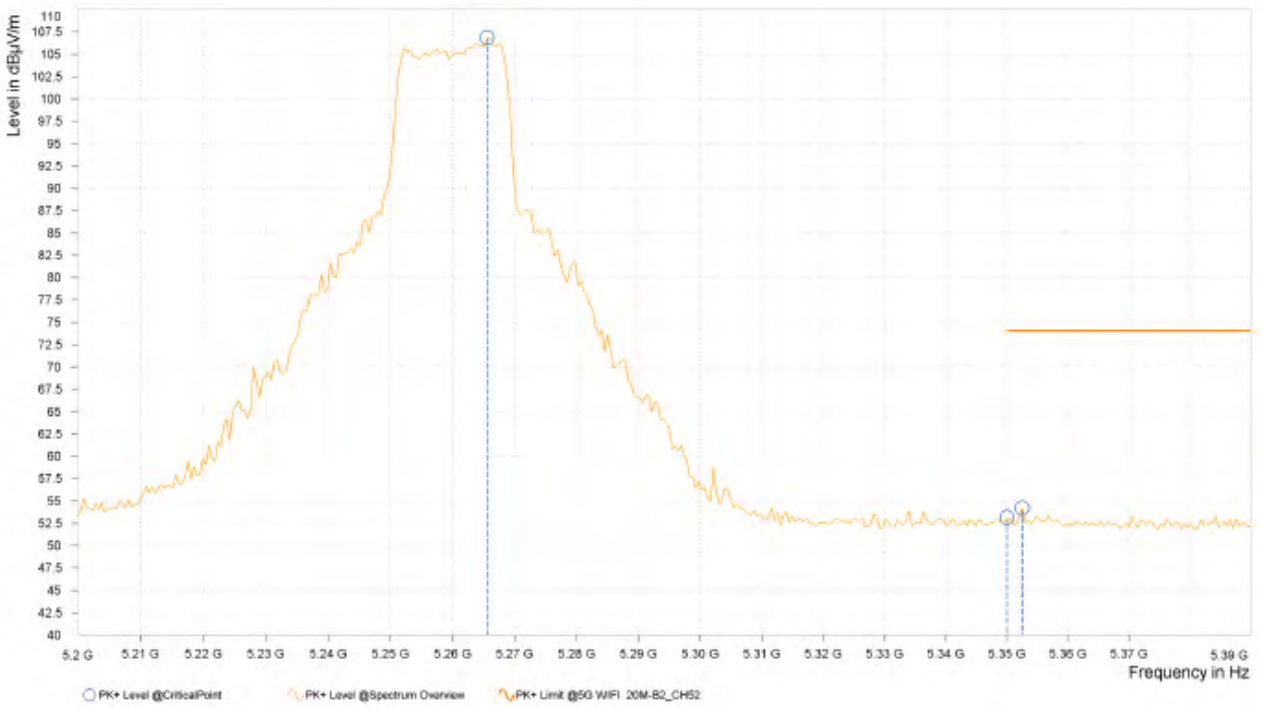
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5310MHz: Fundamental frequency.

**802.11ac (20MHz)**

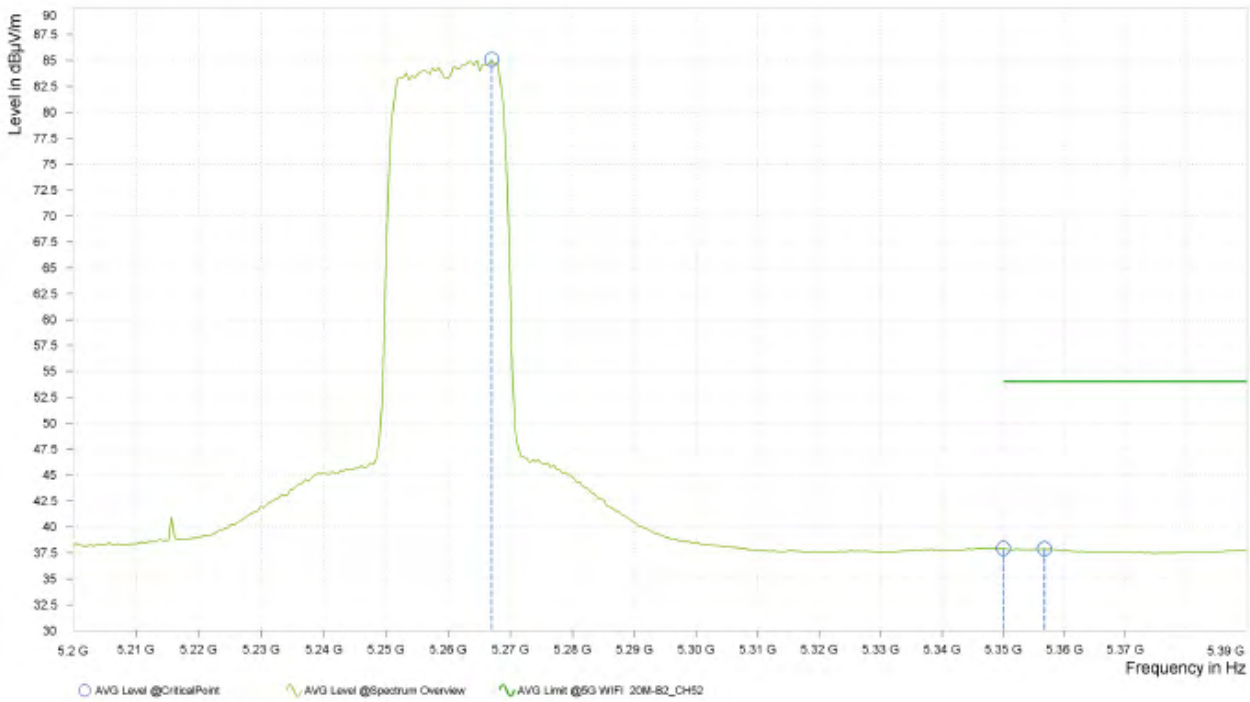
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 52 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |



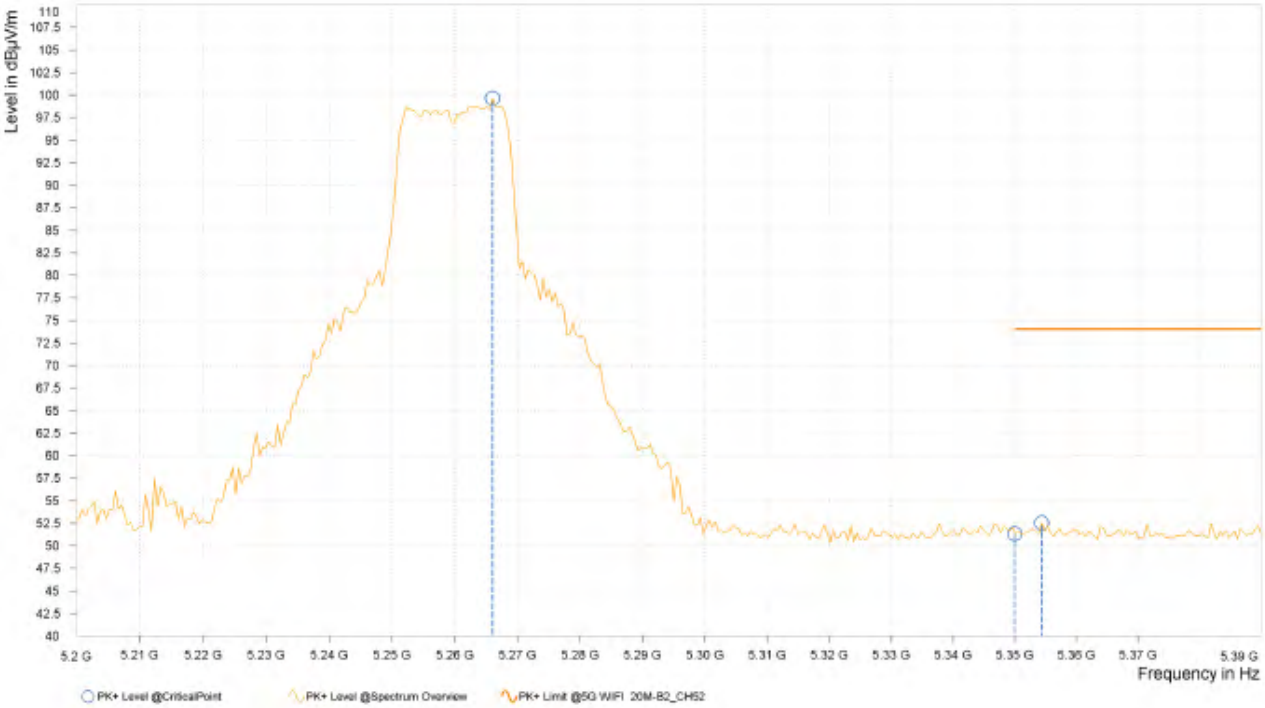

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,267.450 | 90.60 | | | 3.52 | H | 359.1 | 1.00 |
| 4 | 5,350.000 | 38.84 | 54.00 | 15.16 | 3.60 | H | 359.1 | 1.00 |
| 4 | 5,356.275 | 38.89 | 54.00 | 15.11 | 3.60 | H | 359.1 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,265.550 | 106.85 | | | 3.52 | H | 359 | 1.00 |
| 4 | 5,350.000 | 53.14 | 74.00 | 20.86 | 3.60 | H | 339.4 | 1.00 |
| 4 | 5,352.475 | 54.20 | 74.00 | 19.80 | 3.60 | H | 339.4 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,266.975 | 85.10 | | | 3.52 | V | 316.4 | 2.00 |
| 4 | 5,350.000 | 37.93 | 54.00 | 16.07 | 3.60 | V | 1.9 | 2.00 |
| 4 | 5,356.750 | 37.90 | 54.00 | 16.10 | 3.61 | V | 117.9 | 2.00 |

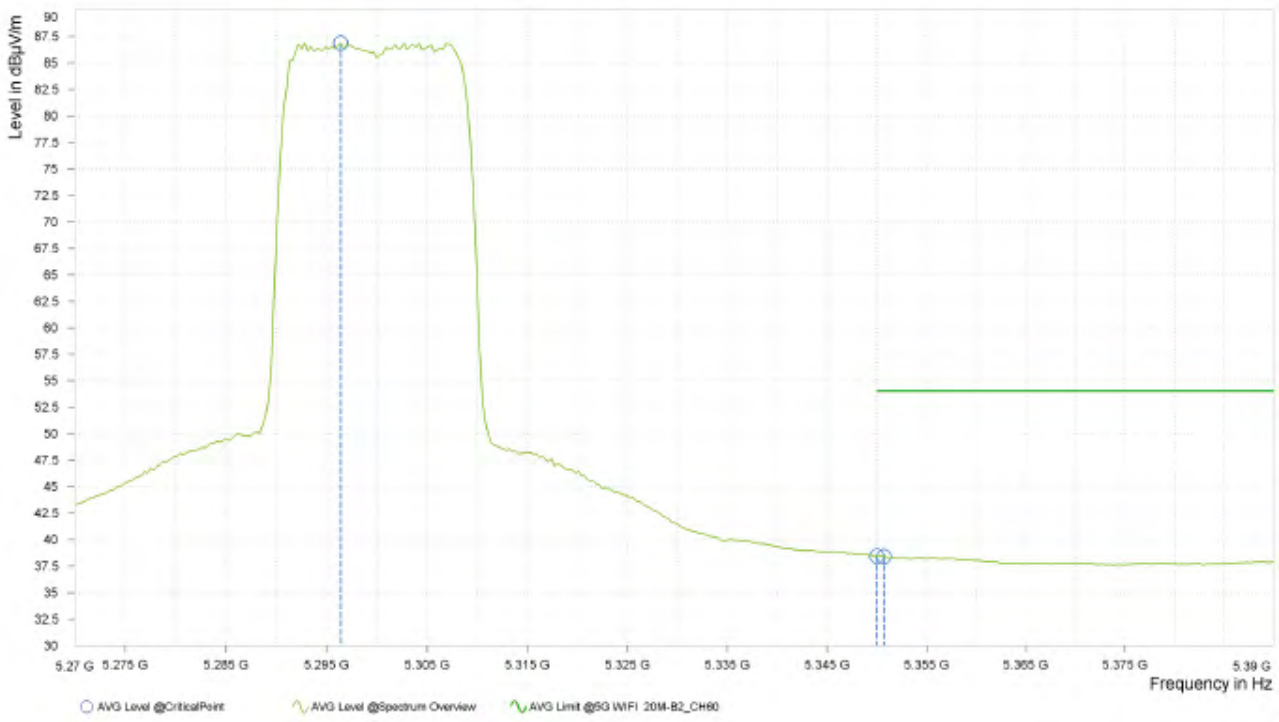



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,266.025 | 99.66 | | | 3.52 | V | 0.9 | 2.00 |
| 4 | 5,350.000 | 51.31 | 74.00 | 22.69 | 3.60 | V | 116.7 | 2.00 |
| 4 | 5,354.375 | 52.53 | 74.00 | 21.47 | 3.60 | V | 316.4 | 2.00 |

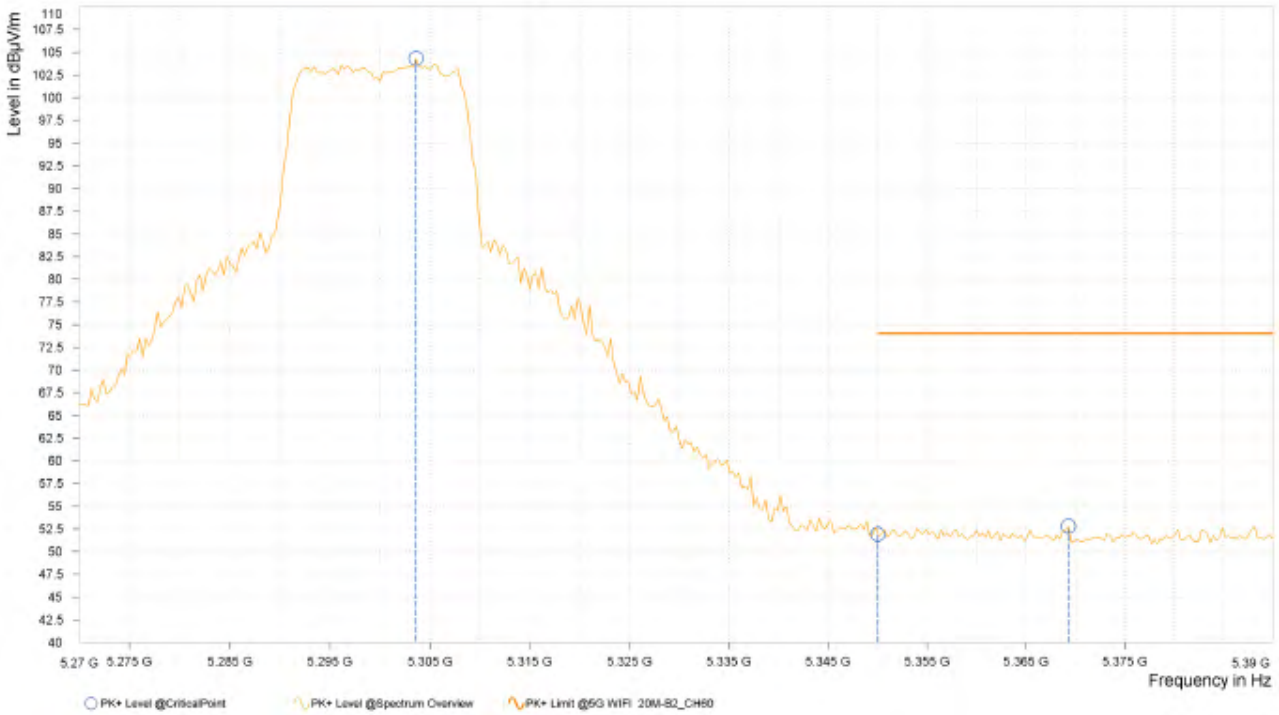
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5260MHz: Fundamental frequency.

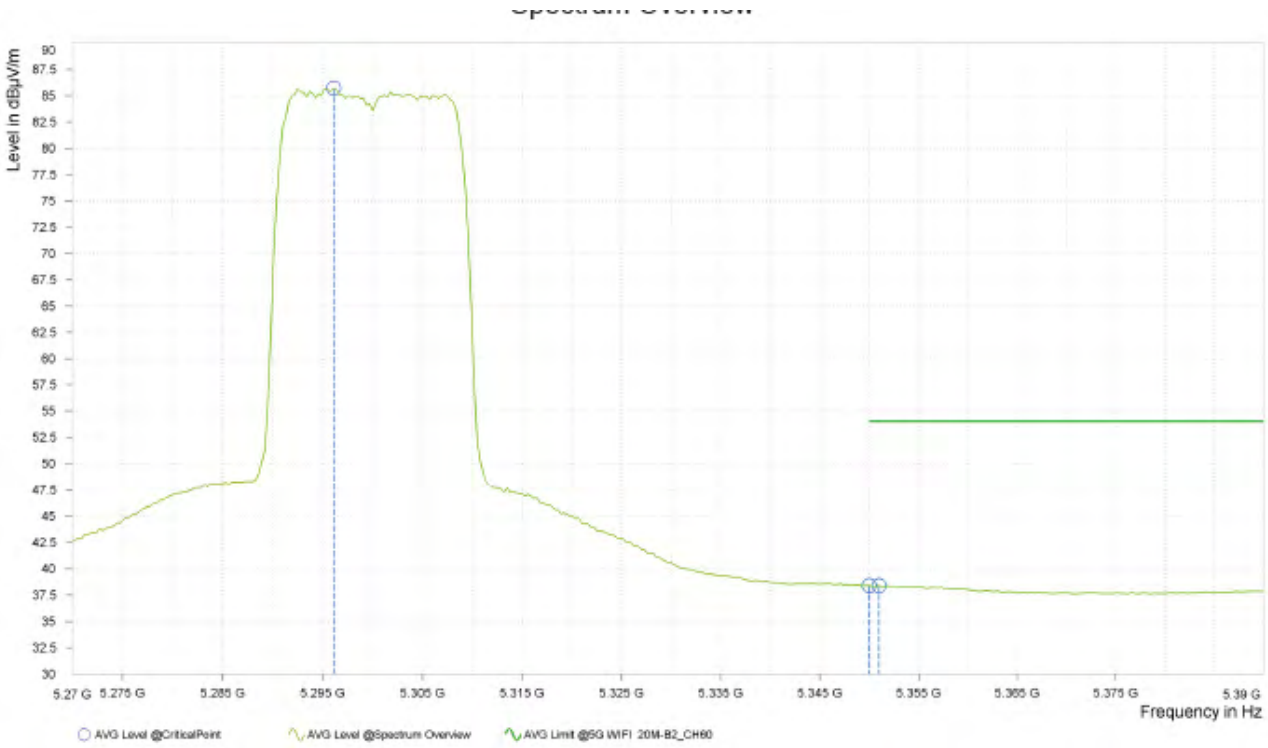
| CHANNEL | TX Channel 60 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |



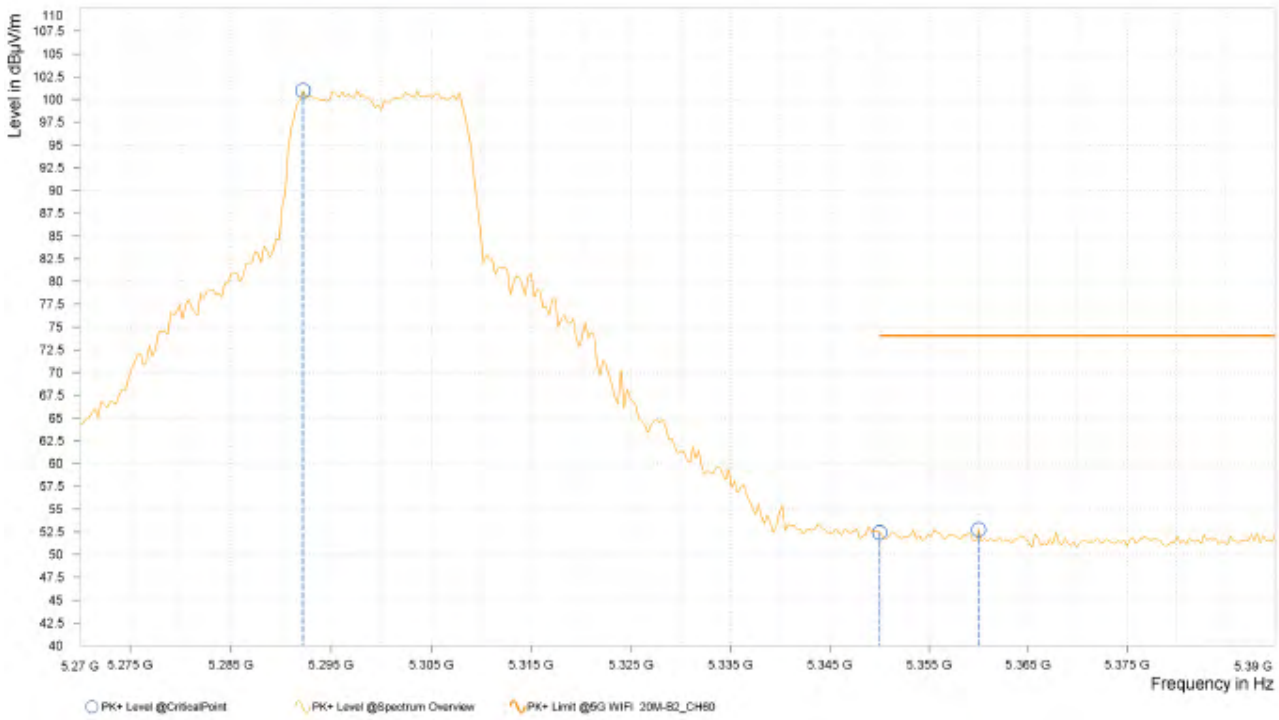

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,296.400 | 86.86 | | | 3.48 | H | 354.9 | 2.00 |
| 5 | 5,350.000 | 38.45 | 54.00 | 15.55 | 3.60 | H | 1 | 1.00 |
| 5 | 5,350.700 | 38.41 | 54.00 | 15.59 | 3.60 | H | 264.8 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,303.600 | 104.32 | | | 3.49 | H | 19.6 | 2.00 |
| 5 | 5,350.000 | 51.90 | 74.00 | 22.10 | 3.60 | H | 5 | 1.00 |
| 5 | 5,369.300 | 52.78 | 74.00 | 21.22 | 3.61 | H | 5 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,296.100 | 85.74 | | | 3.48 | V | 1 | 1.00 |
| 5 | 5,350.000 | 38.39 | 54.00 | 15.61 | 3.60 | V | 5.1 | 1.00 |
| 5 | 5,351.000 | 38.42 | 54.00 | 15.58 | 3.60 | V | 5.1 | 1.00 |

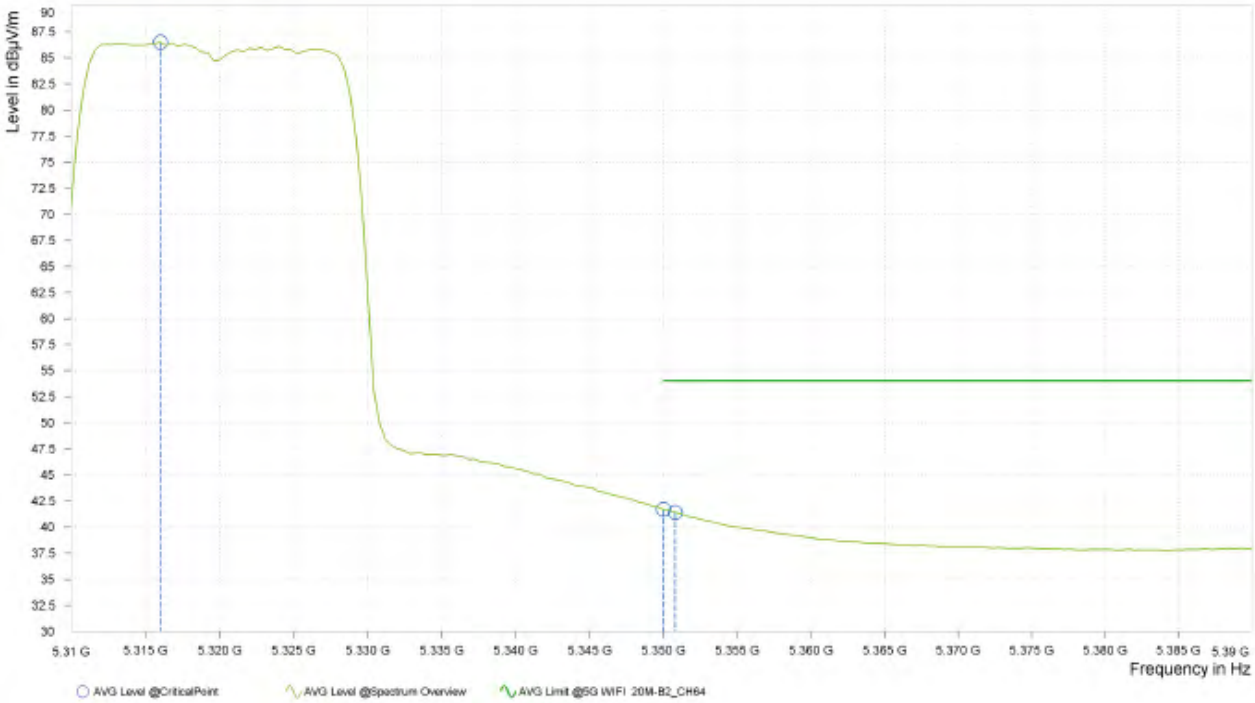



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,292.200 | 100.98 | | | 3.48 | V | 316.4 | 2.00 |
| 5 | 5,350.000 | 52.40 | 74.00 | 21.60 | 3.60 | V | 1.9 | 2.00 |
| 5 | 5,360.000 | 52.74 | 74.00 | 21.26 | 3.61 | V | 343.8 | 1.00 |

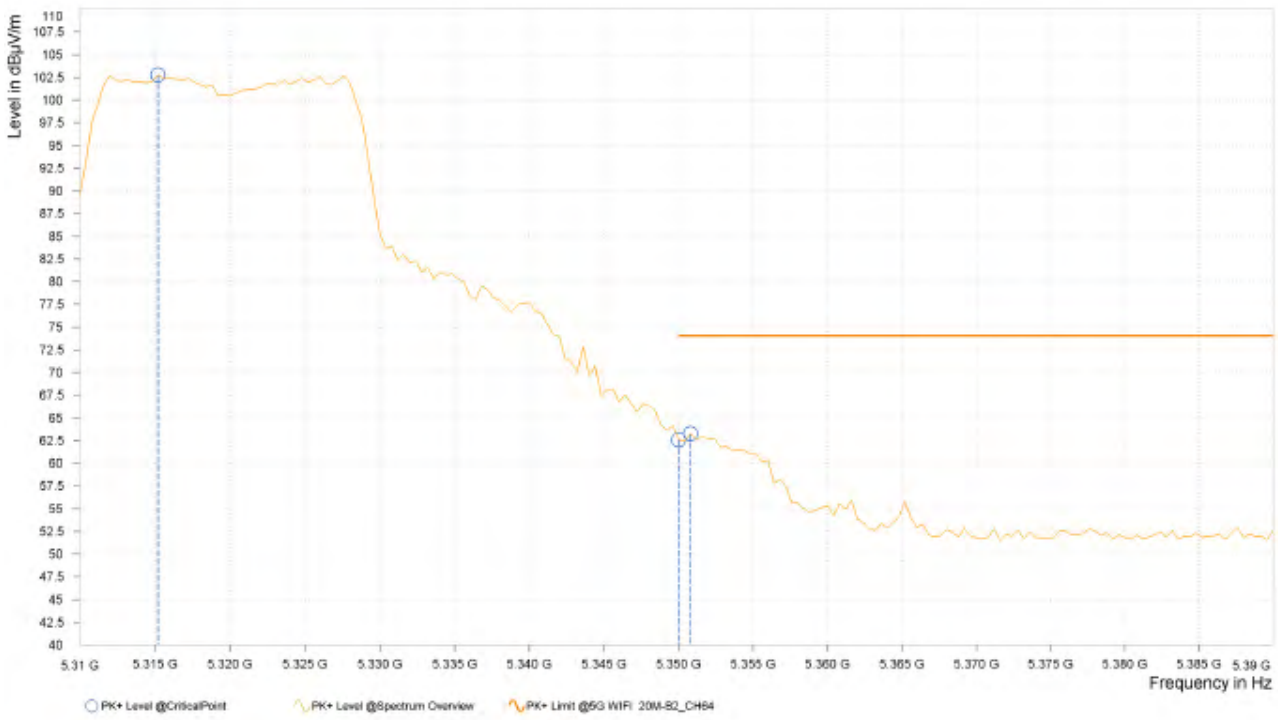
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5300MHz: Fundamental frequency.

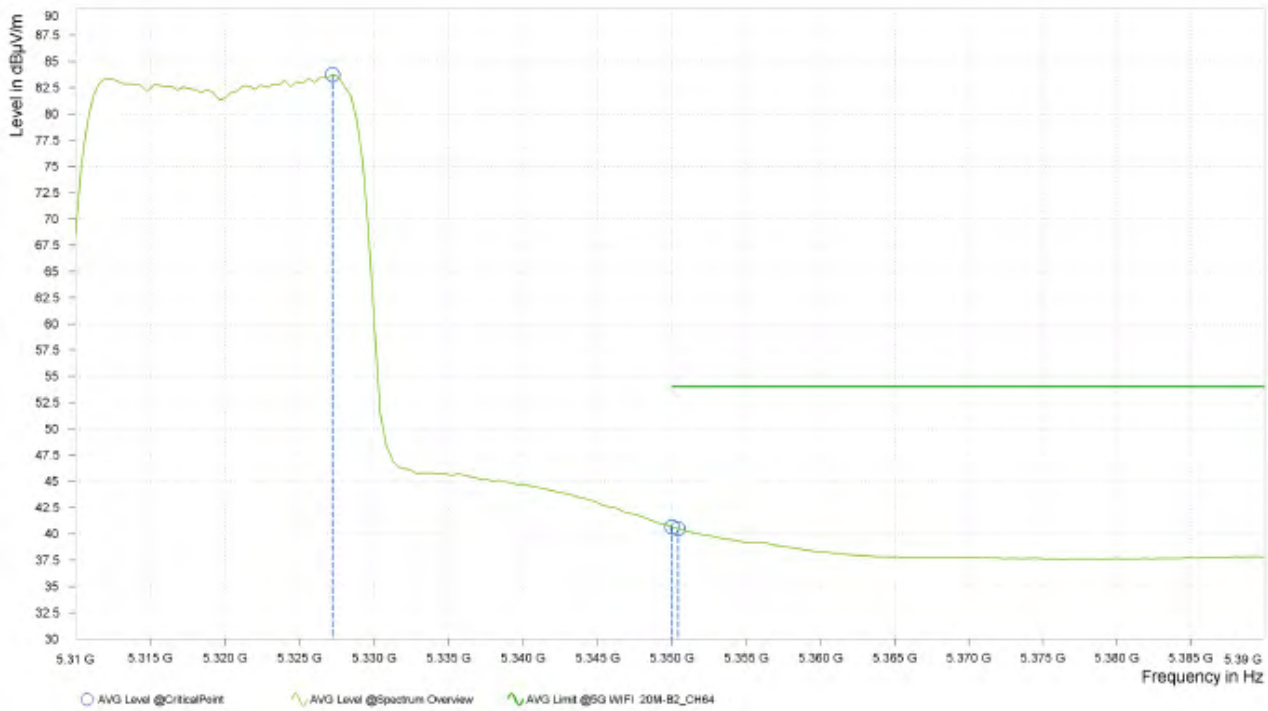
| CHANNEL | TX Channel 64 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |



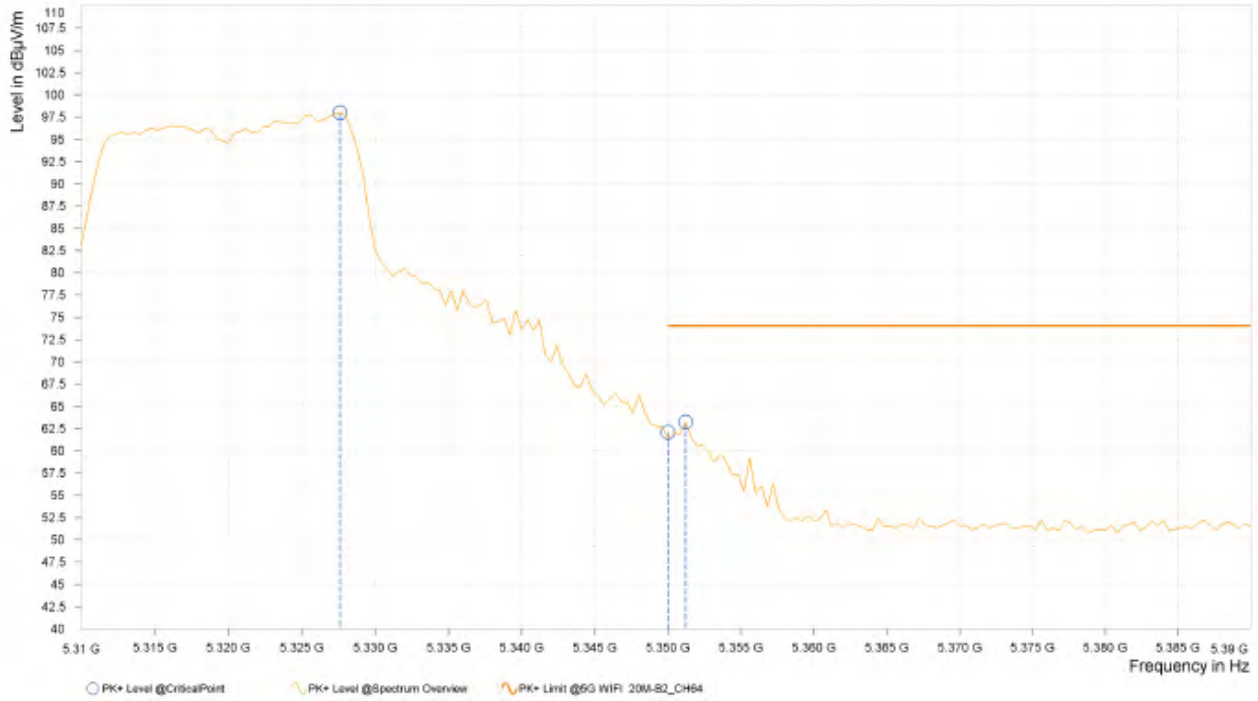

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,316.000 | 86.49 | | | 3.52 | H | 194.2 | 1.00 |
| 6 | 5,350.000 | 41.69 | 54.00 | 12.31 | 3.60 | H | 359.1 | 1.00 |
| 6 | 5,350.800 | 41.40 | 54.00 | 12.60 | 3.60 | H | 359.1 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,315.200 | 102.78 | | | 3.52 | H | 194.3 | 1.00 |
| 6 | 5,350.000 | 62.58 | 74.00 | 11.42 | 3.60 | H | 359.1 | 1.00 |
| 6 | 5,350.800 | 63.26 | 74.00 | 10.74 | 3.60 | H | 194.3 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,327.200 | 83.74 | | | 3.55 | V | 195.5 | 2.00 |
| 6 | 5,350.000 | 40.67 | 54.00 | 13.33 | 3.60 | V | 195.5 | 2.00 |
| 6 | 5,350.400 | 40.49 | 54.00 | 13.51 | 3.60 | V | 195.5 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,327.600 | 97.99 | | | 3.55 | V | 117.8 | 2.00 |
| 6 | 5,350.000 | 62.06 | 74.00 | 11.94 | 3.60 | V | 117.8 | 2.00 |
| 6 | 5,351.200 | 63.22 | 74.00 | 10.78 | 3.60 | V | 117.8 | 2.00 |

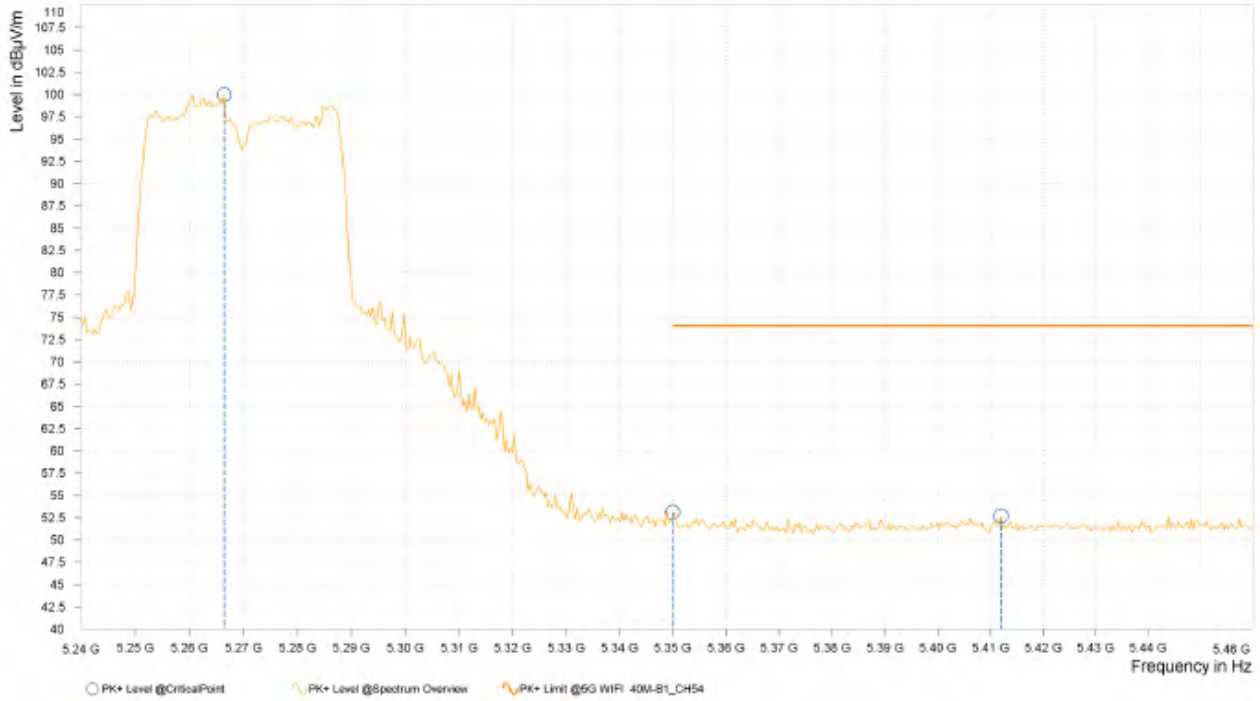
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5320MHz: Fundamental frequency.

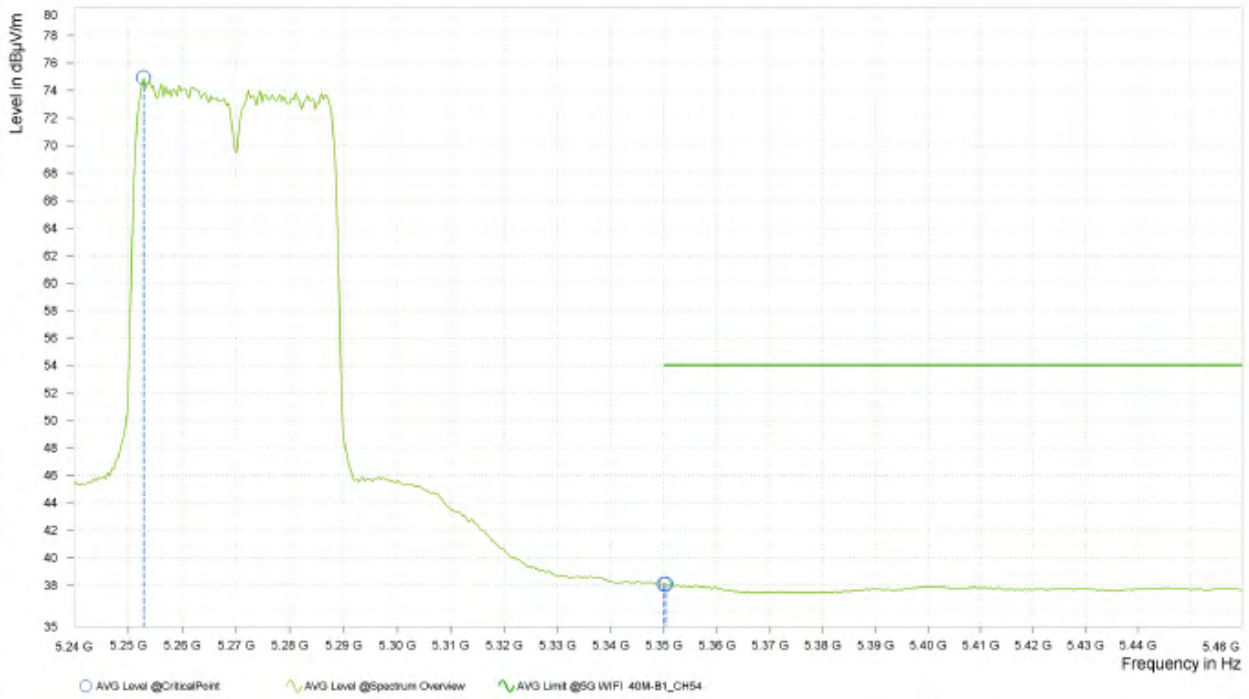
**802.11ac (40MHz)**

| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 54 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |

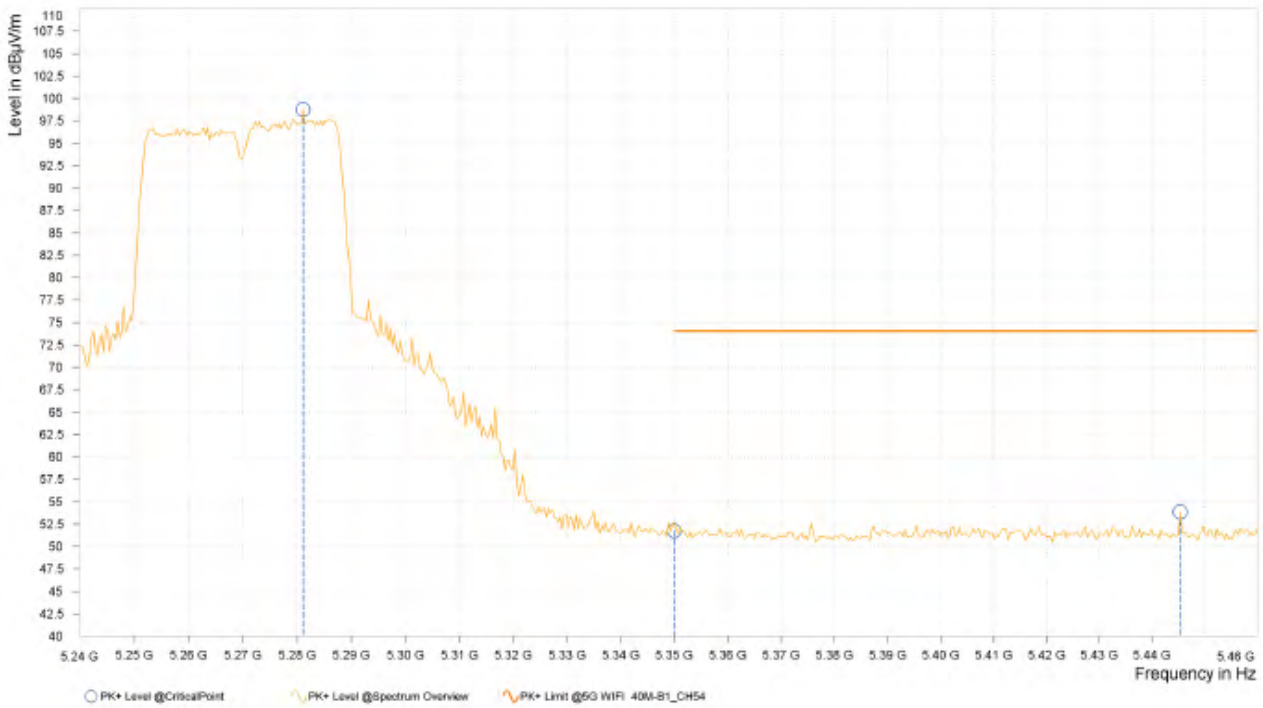
| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,253.567 | 76.53 | | | 3.53 | H | 85.7 | 2.00 |
| 3 | 5,350.000 | 38.33 | 54.00 | 15.67 | 3.60 | H | 85.7 | 2.00 |
| 3 | 5,353.667 | 38.29 | 54.00 | 15.71 | 3.60 | H | 85.7 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,266.400 | 99.96 | | | 3.52 | H | 111.9 | 2.00 |
| 3 | 5,350.000 | 53.13 | 74.00 | 20.87 | 3.60 | H | 236.7 | 2.00 |
| 3 | 5,411.967 | 52.68 | 74.00 | 21.32 | 3.65 | H | 38.5 | 2.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,252.833 | 74.94 | | | 3.53 | V | 210.5 | 2.00 |
| 3 | 5,350.000 | 38.07 | 54.00 | 15.93 | 3.60 | V | 185.4 | 2.00 |
| 3 | 5,350.367 | 38.11 | 54.00 | 15.89 | 3.60 | V | 185.4 | 2.00 |

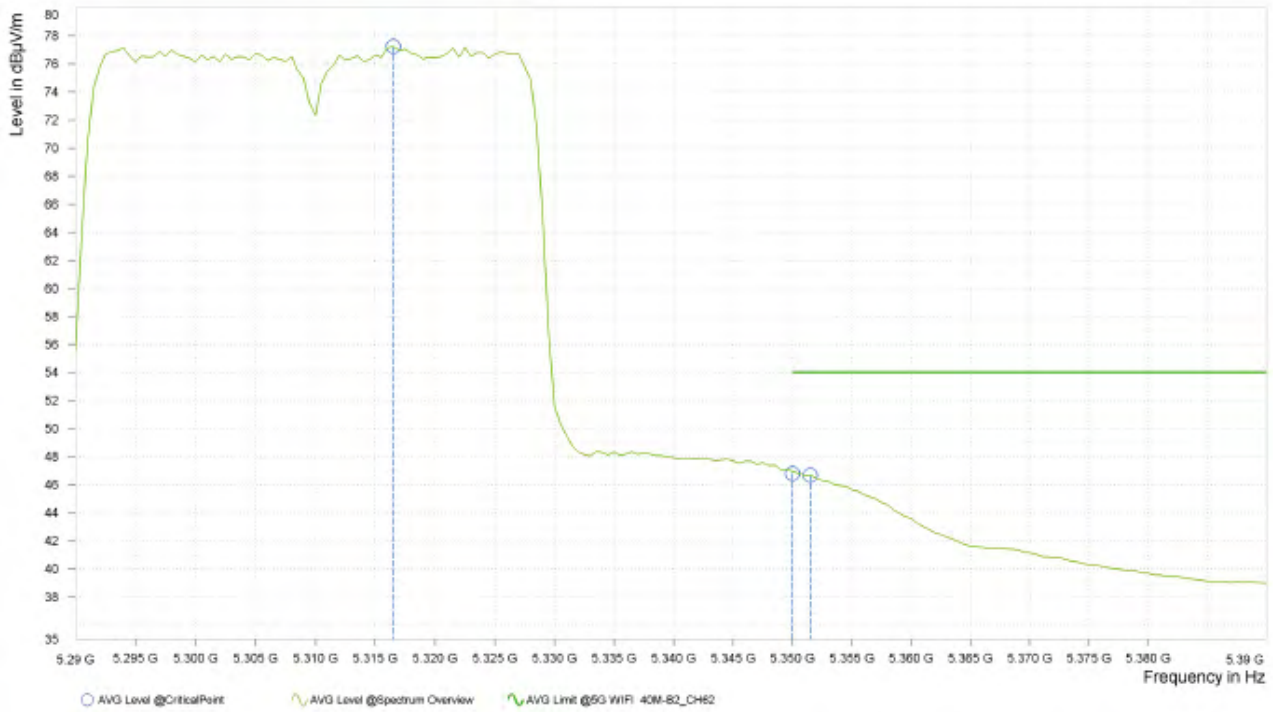



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 3 | 5,281.067 | 98.75 | | | 3.50 | V | 237.4 | 2.00 |
| 3 | 5,350.000 | 51.77 | 74.00 | 22.23 | 3.60 | V | 359 | 2.00 |
| 3 | 5,445.333 | 53.87 | 74.00 | 20.13 | 3.73 | V | 306.6 | 2.00 |

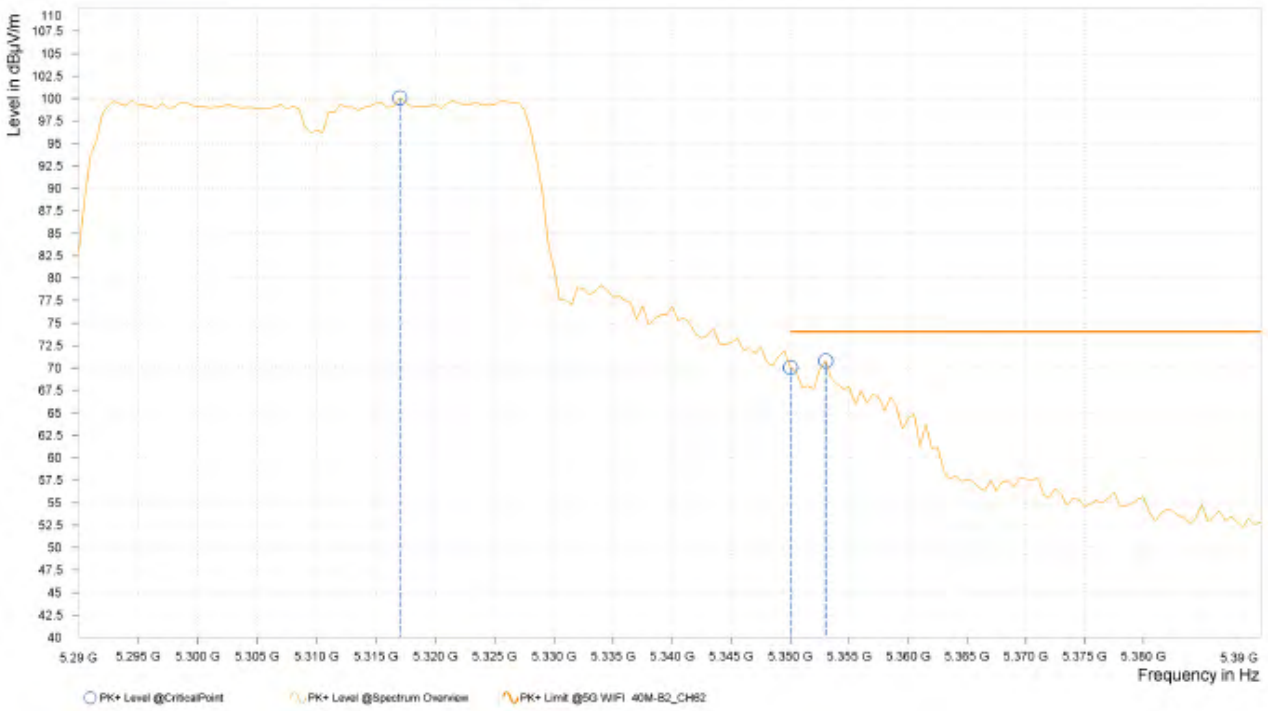
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5270MHz: Fundamental frequency.

| CHANNEL | TX Channel 62 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,316.500 | 77.24 | | | 3.52 | H | 175.8 | 1.00 |
| 4 | 5,350.000 | 46.82 | 54.00 | 7.18 | 3.60 | H | 175.8 | 1.00 |
| 4 | 5,351.500 | 46.69 | 54.00 | 7.31 | 3.60 | H | 175.8 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,317.000 | 100.09 | | | 3.52 | H | 210.5 | 2.00 |
| 4 | 5,350.000 | 70.03 | 74.00 | 3.97 | 3.60 | H | 235.6 | 2.00 |
| 4 | 5,353.000 | 70.78 | 74.00 | 3.22 | 3.60 | H | 210.5 | 2.00 |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,293.000 | 74.89 | | | 3.48 | V | 161 | 2.00 |
| 4 | 5,350.000 | 45.15 | 54.00 | 8.85 | 3.60 | V | 219.4 | 1.00 |
| 4 | 5,350.500 | 45.03 | 54.00 | 8.97 | 3.60 | V | 219.4 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 4 | 5,293.500 | 96.67 | | | 3.48 | V | 242.8 | 1.00 |
| 4 | 5,350.000 | 64.71 | 74.00 | 9.29 | 3.60 | V | 186.6 | 2.00 |
| 4 | 5,353.000 | 65.47 | 74.00 | 8.53 | 3.60 | V | 169.4 | 1.00 |

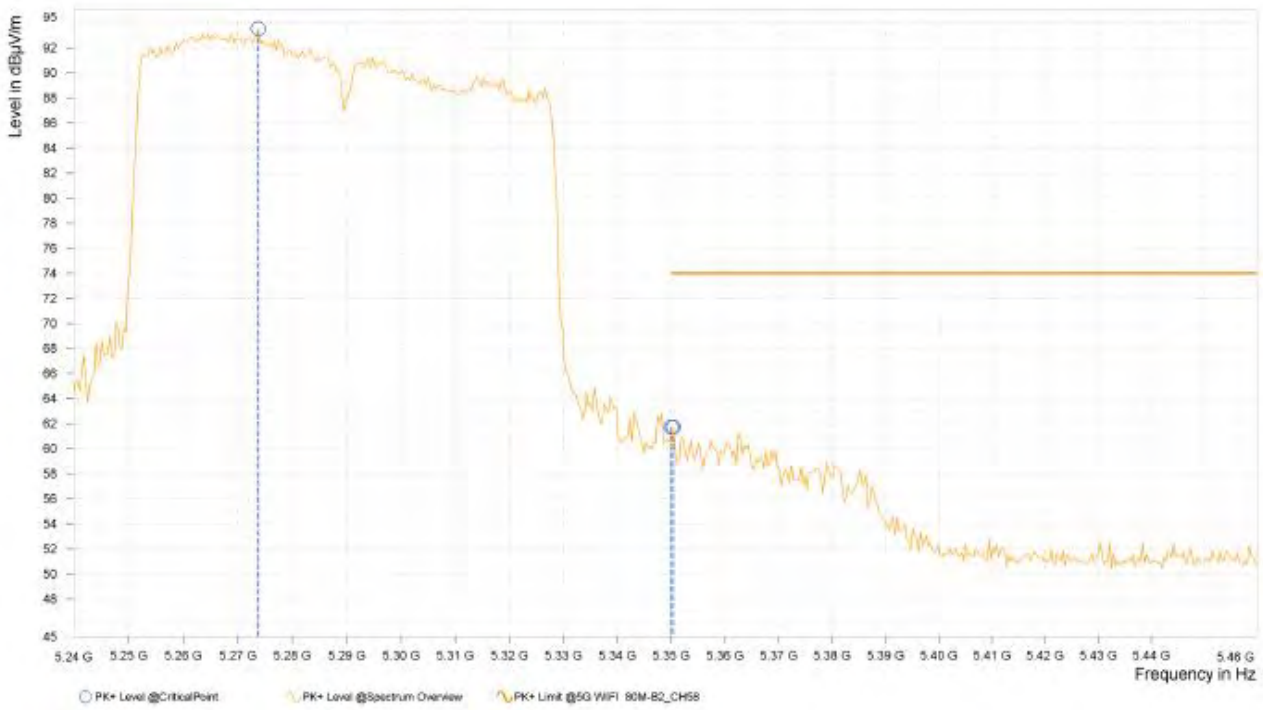
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5310MHz: Fundamental frequency.

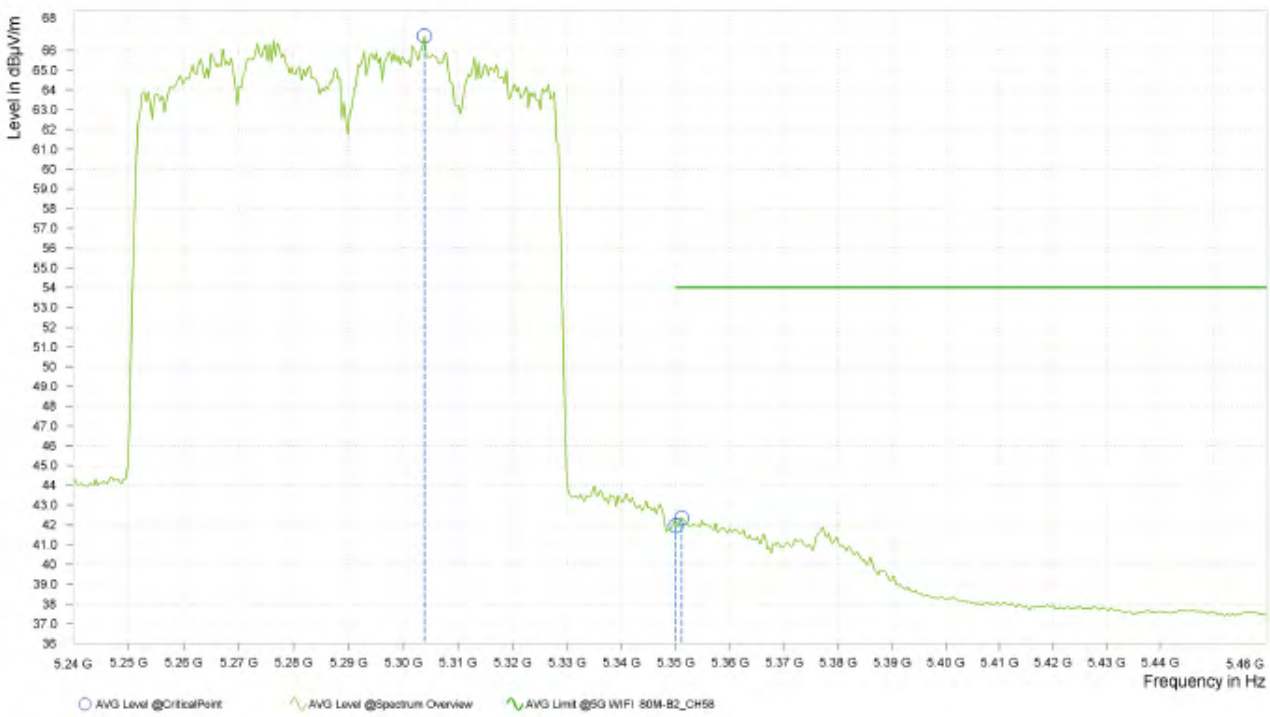
**802.11ac (80MHz)**

| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 58 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |

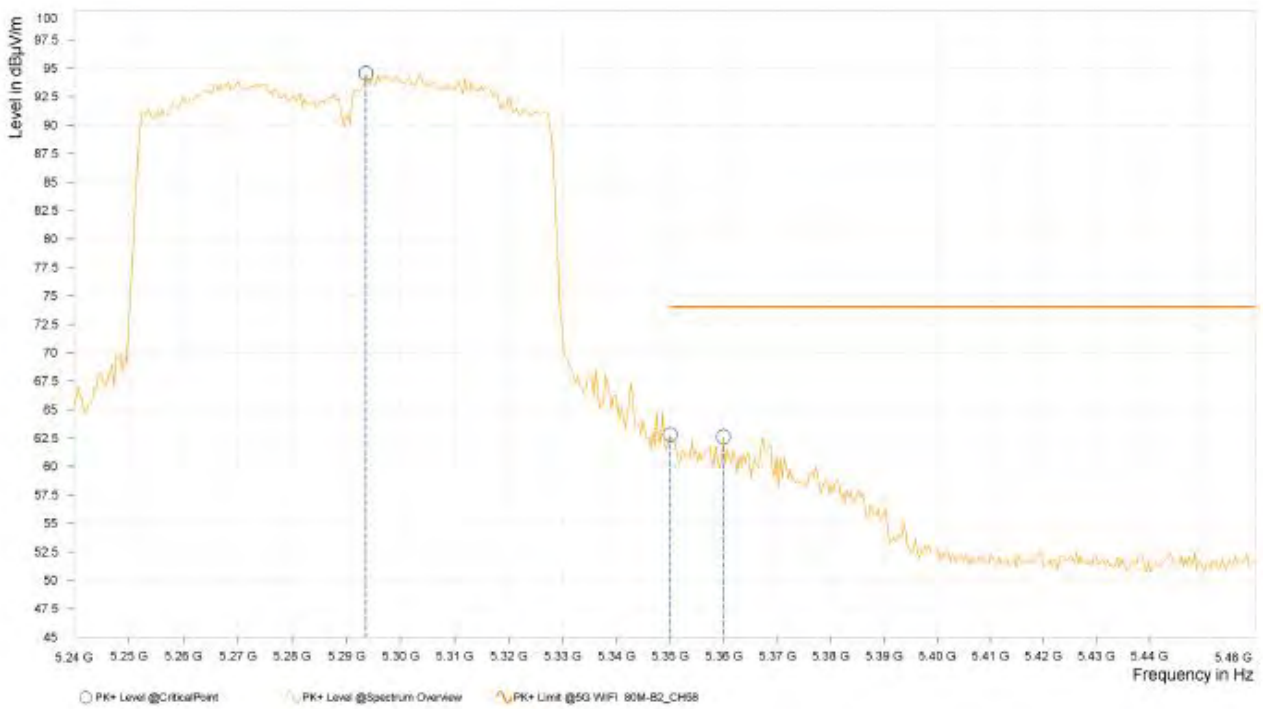
| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,317.000 | 66.37 | | | 3.52 | H | 220.7 | 2.00 |
| 1 | 5,350.000 | 43.63 | 54.00 | 10.37 | 3.60 | H | 220.7 | 2.00 |
| 1 | 5,350.733 | 43.55 | 54.00 | 10.45 | 3.60 | H | 220.7 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,273.733 | 93.54 | | | 3.51 | H | 219.5 | 2.00 |
| 1 | 5,350.000 | 61.72 | 74.00 | 12.28 | 3.60 | H | 1 | 1.00 |
| 1 | 5,350.367 | 61.72 | 74.00 | 12.28 | 3.60 | H | 1 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,303.800 | 66.73 | | | 3.49 | V | 241 | 1.00 |
| 1 | 5,350.000 | 41.96 | 54.00 | 12.04 | 3.60 | V | 292.3 | 1.00 |
| 1 | 5,351.100 | 42.34 | 54.00 | 11.66 | 3.60 | V | 241 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 1 | 5,293.533 | 94.55 | | | 3.48 | V | 243.4 | 1.00 |
| 1 | 5,350.000 | 62.78 | 74.00 | 11.22 | 3.60 | V | 197.9 | 2.00 |
| 1 | 5,359.900 | 62.60 | 74.00 | 11.40 | 3.61 | V | 197.9 | 2.00 |

**REMARKS:**

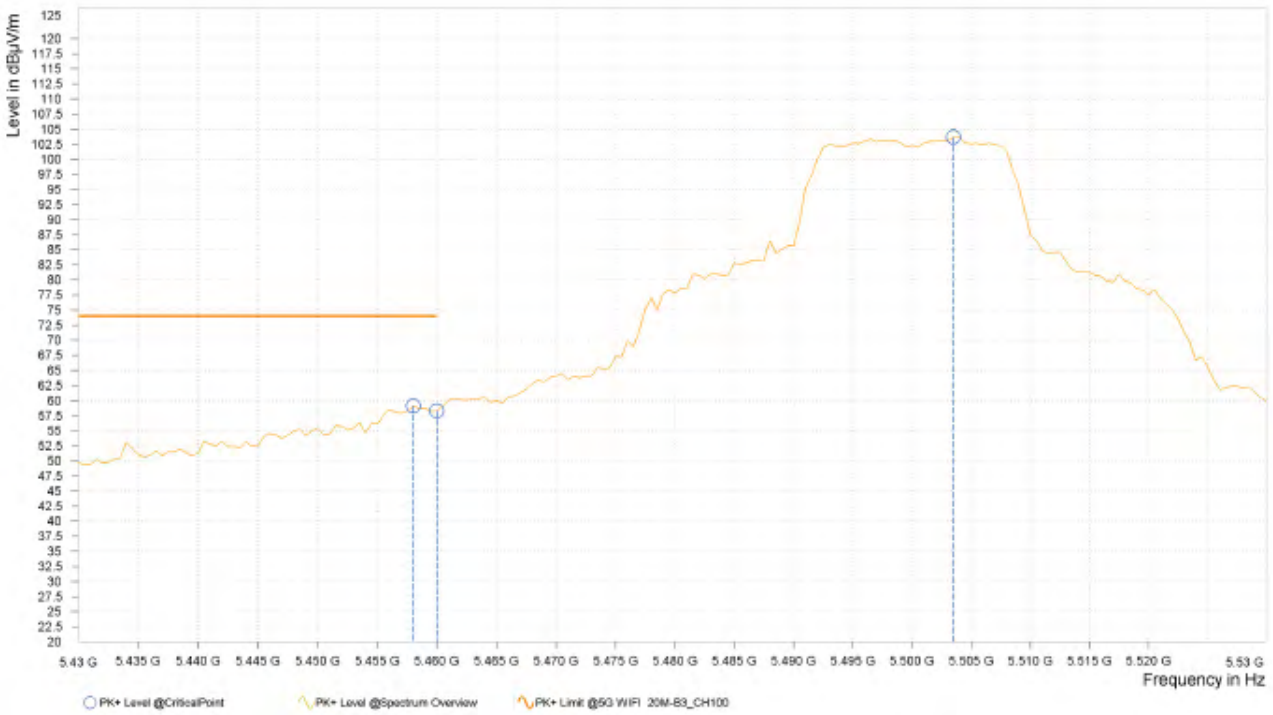
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5290MHz: Fundamental frequency.

**Band 3**

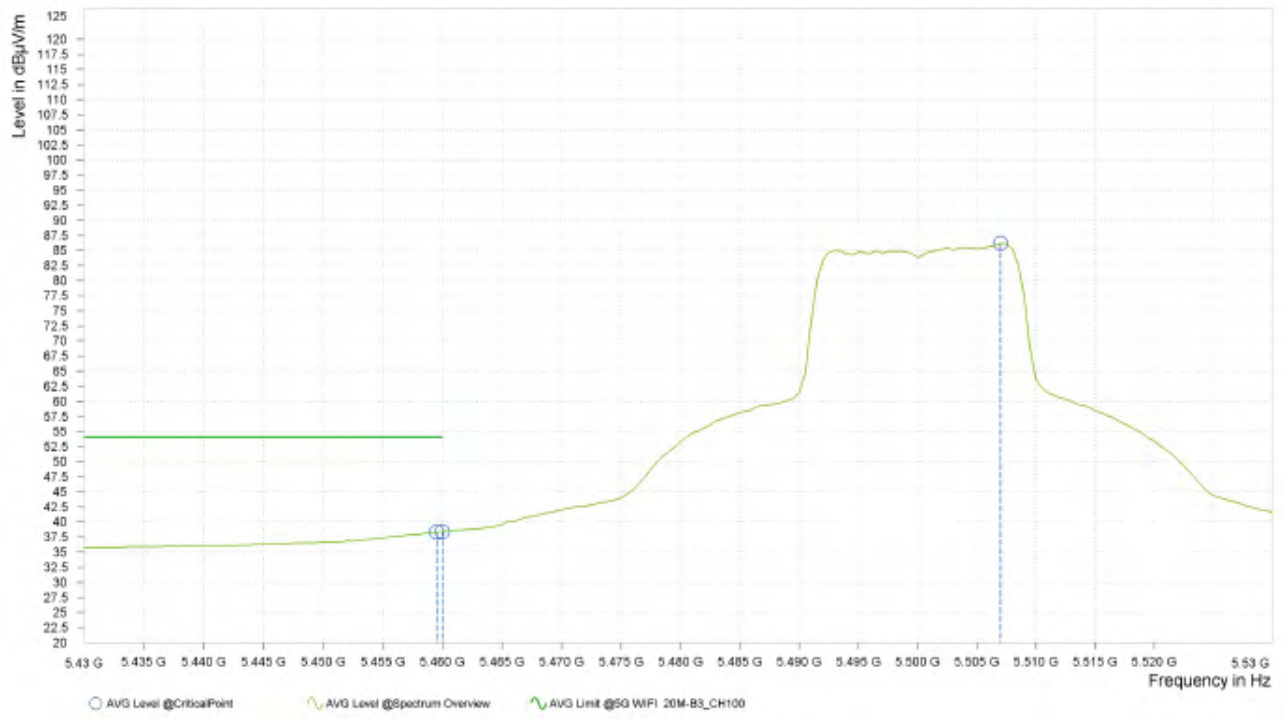
**802.11a**

| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 100 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |

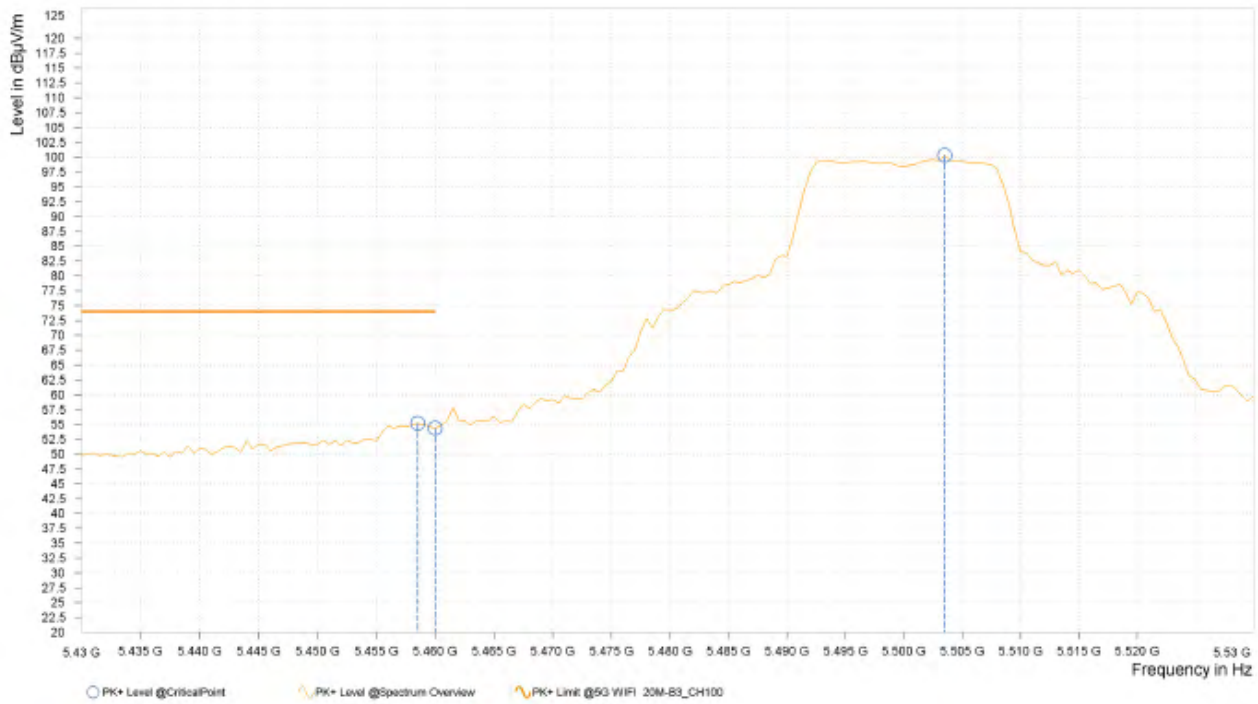
| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,459.500 | 41.30 | 54.00 | 12.70 | 11.12 | H | 53 | 1.00 |
| 8 | 5,460.000 | 41.46 | 54.00 | 12.54 | 11.12 | H | 53 | 1.00 |
| 8 | 5,503.500 | 88.66 | | | 11.09 | H | 53 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,458.000 | 59.08 | 74.00 | 14.92 | 11.12 | H | 53 | 1.00 |
| 8 | 5,460.000 | 58.29 | 74.00 | 15.71 | 11.12 | H | 53 | 1.00 |
| 8 | 5,503.500 | 103.68 | | | 11.09 | H | 177.4 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,459.500 | 38.33 | 54.00 | 15.67 | 11.12 | V | 193.4 | 2.00 |
| 8 | 5,460.000 | 38.39 | 54.00 | 15.61 | 11.12 | V | 193.4 | 2.00 |
| 8 | 5,507.000 | 86.17 | | | 11.09 | V | 54.2 | 1.00 |

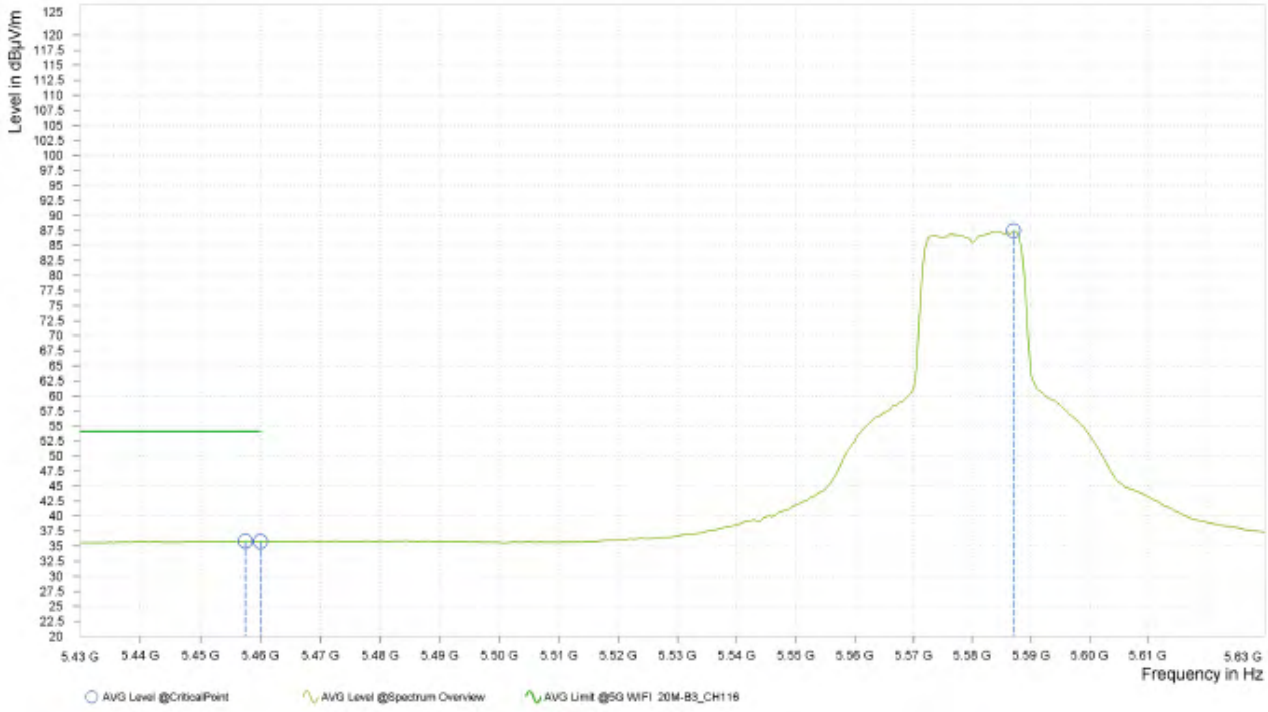



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,458.500 | 55.17 | 74.00 | 18.83 | 11.12 | V | 121.3 | 1.00 |
| 8 | 5,460.000 | 54.35 | 74.00 | 19.65 | 11.12 | V | 121.3 | 1.00 |
| 8 | 5,503.500 | 100.30 | | | 11.09 | V | 355.1 | 2.00 |

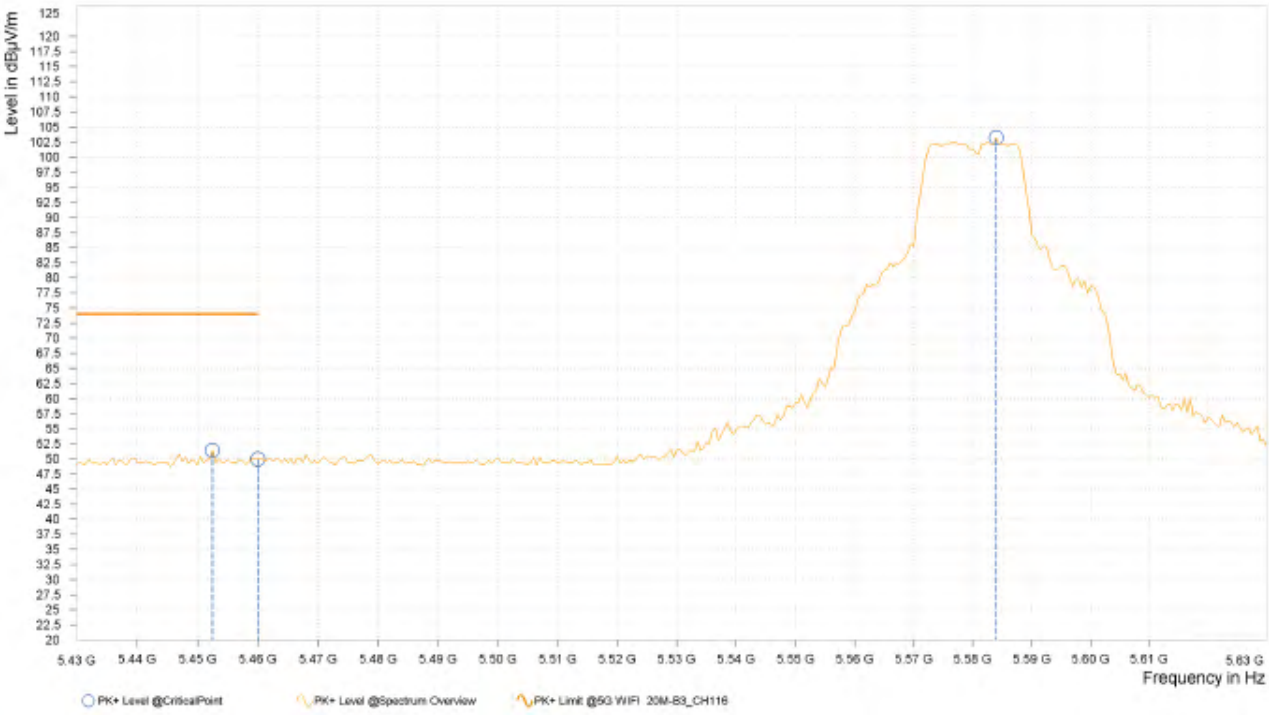
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

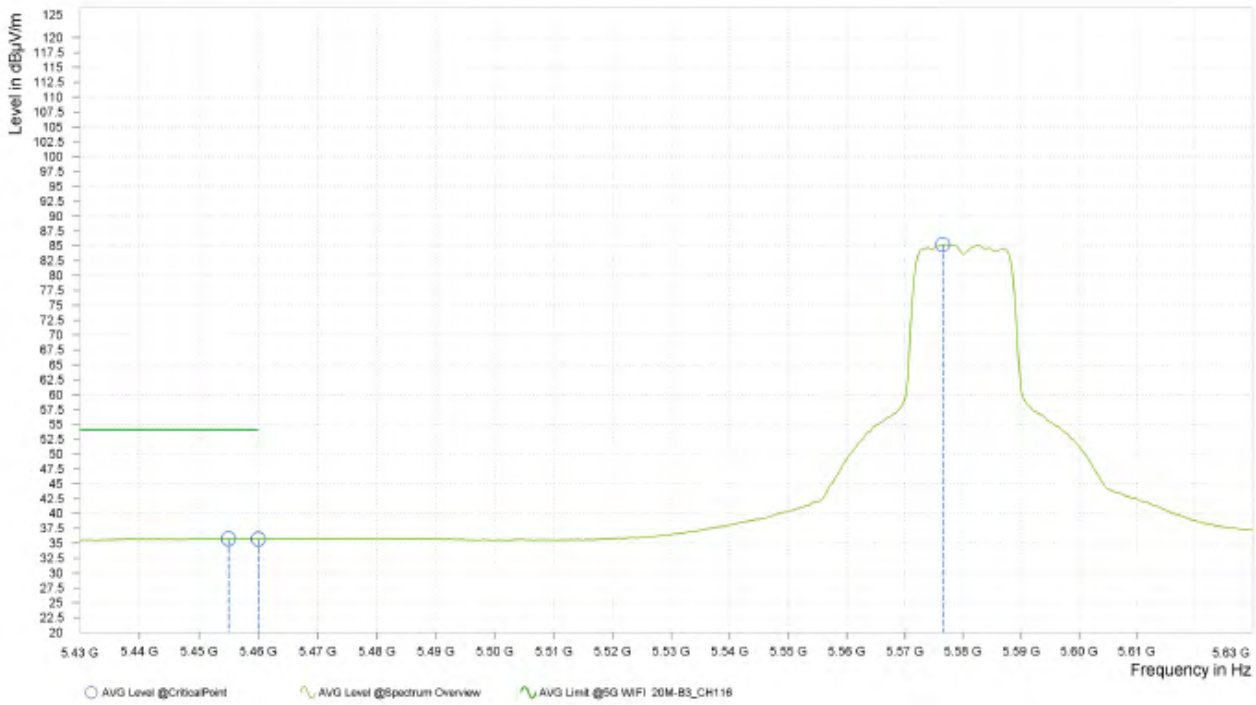
| CHANNEL | TX Channel 116 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |



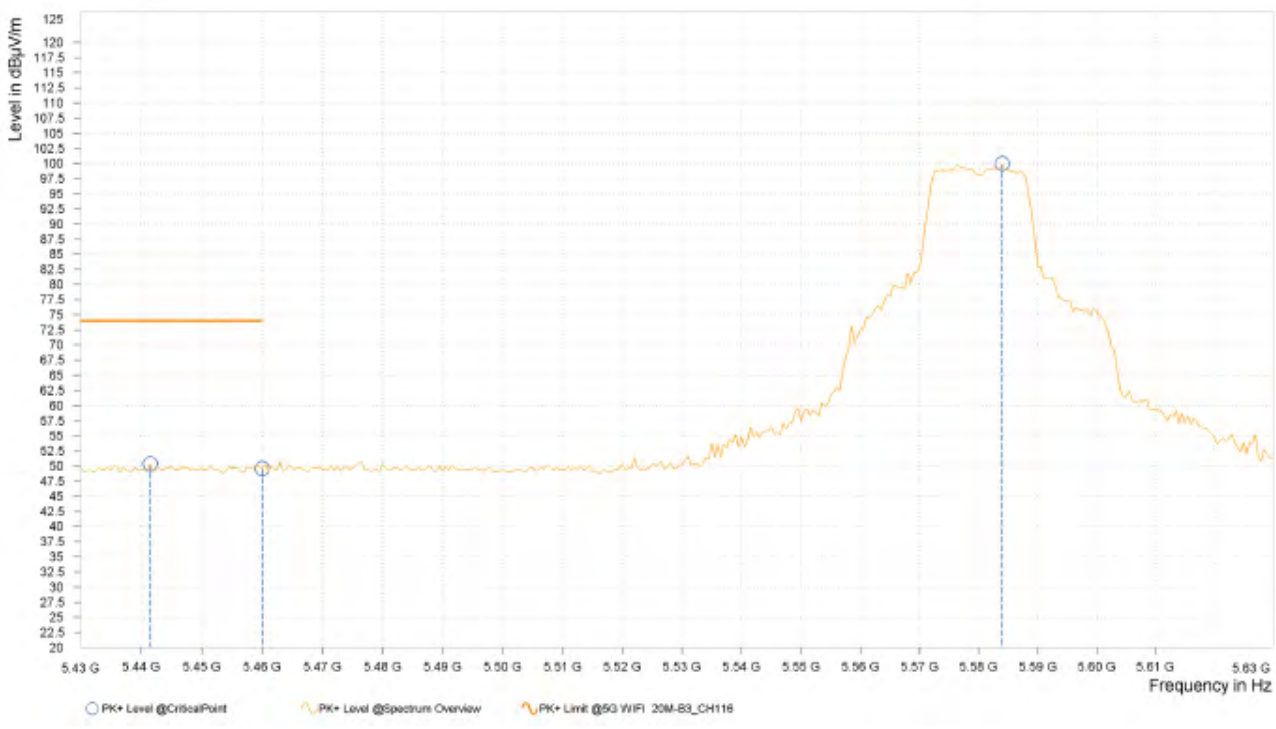

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 9 | 5,457.500 | 35.81 | 54.00 | 18.19 | 11.12 | H | 185.8 | 1.00 |
| 9 | 5,460.000 | 35.75 | 54.00 | 18.25 | 11.12 | H | 185.8 | 1.00 |
| 9 | 5,587.000 | 87.49 | | | 11.23 | H | 248.3 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 9 | 5,452.500 | 51.40 | 74.00 | 22.60 | 11.12 | H | 359.1 | 1.00 |
| 9 | 5,460.000 | 49.95 | 74.00 | 24.05 | 11.12 | H | 192.2 | 2.00 |
| 9 | 5,584.000 | 103.25 | | | 11.22 | H | 4.9 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 9 | 5,455.000 | 35.74 | 54.00 | 18.26 | 11.12 | V | 0.9 | 2.00 |
| 9 | 5,460.000 | 35.72 | 54.00 | 18.28 | 11.12 | V | 0.9 | 2.00 |
| 9 | 5,576.500 | 85.22 | | | 11.20 | V | 54.3 | 1.00 |

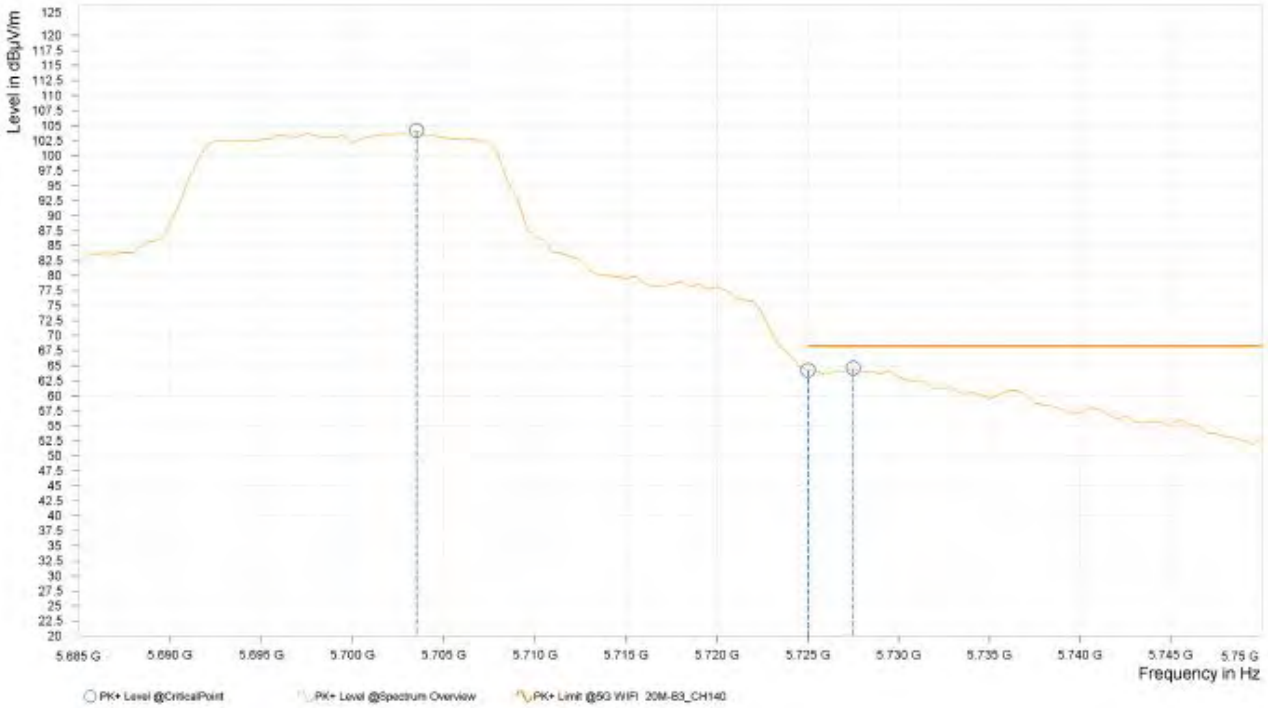



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 9 | 5,441.500 | 50.33 | 74.00 | 23.67 | 11.13 | V | 249.5 | 2.00 |
| 9 | 5,460.000 | 49.57 | 74.00 | 24.43 | 11.12 | V | 355.1 | 2.00 |
| 9 | 5,584.000 | 99.97 | | | 11.22 | V | 54.3 | 1.00 |

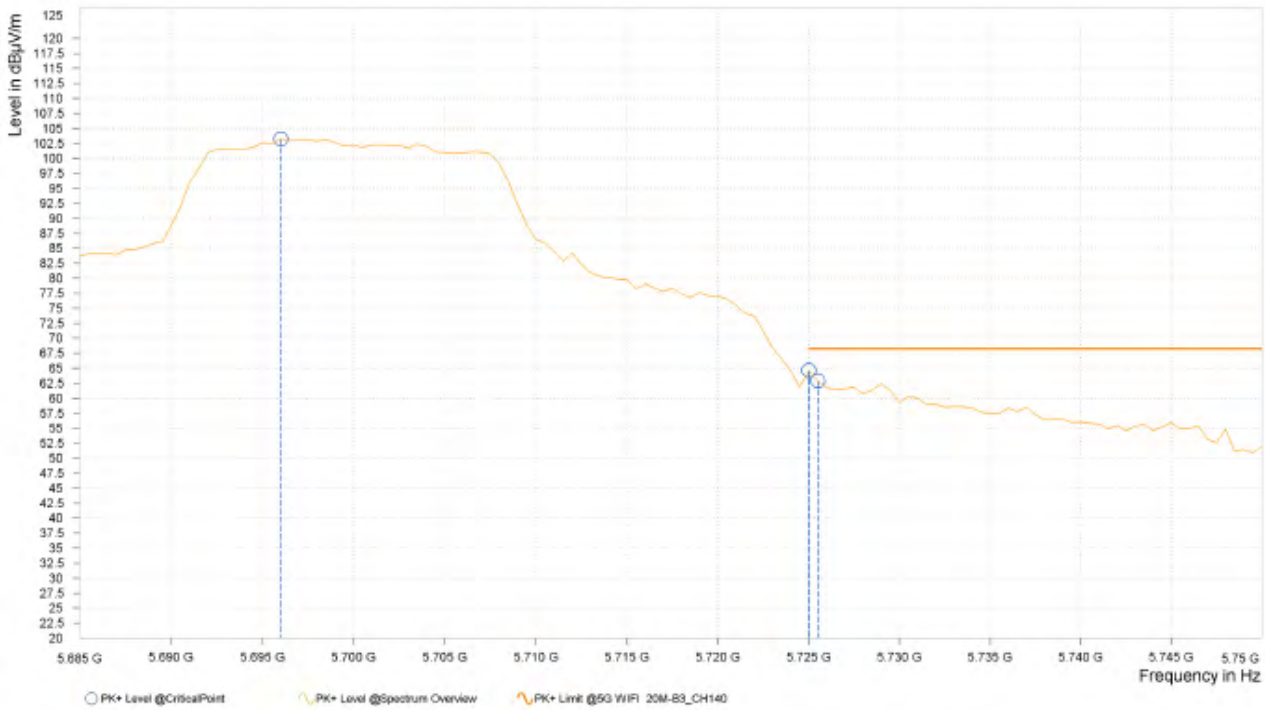
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.

| CHANNEL | TX Channel 140 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,703.500 | 104.16 | | | 11.65 | H | 191.7 | 1.00 |
| 10 | 5,725.000 | 64.26 | 68.20 | 3.94 | 11.70 | H | 191.7 | 1.00 |
| 10 | 5,727.500 | 64.57 | 68.20 | 3.63 | 11.70 | H | 128.9 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,696.000 | 103.23 | | | 11.63 | V | 110.4 | 1.00 |
| 10 | 5,725.000 | 64.63 | 68.20 | 3.57 | 11.70 | V | 110.4 | 1.00 |
| 10 | 5,725.500 | 62.88 | 68.20 | 5.32 | 11.70 | V | 110.4 | 1.00 |

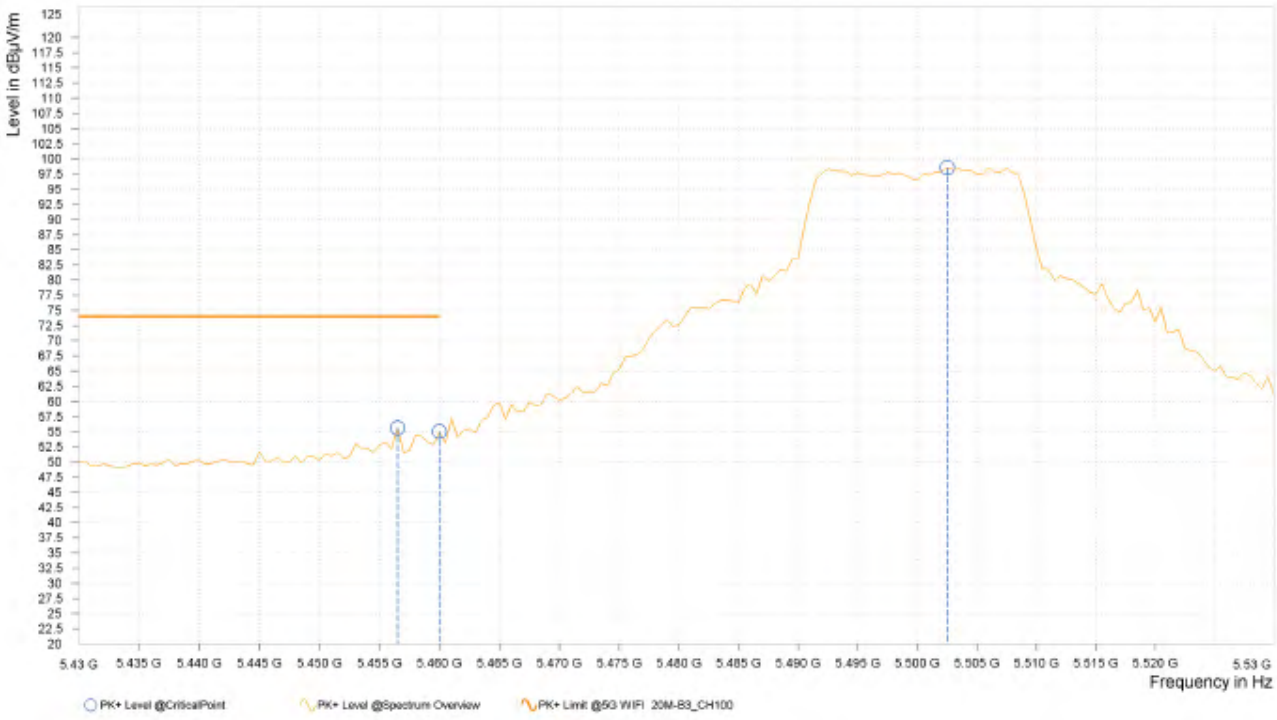
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5700MHz: Fundamental frequency.
3. #: Out of restricted band.

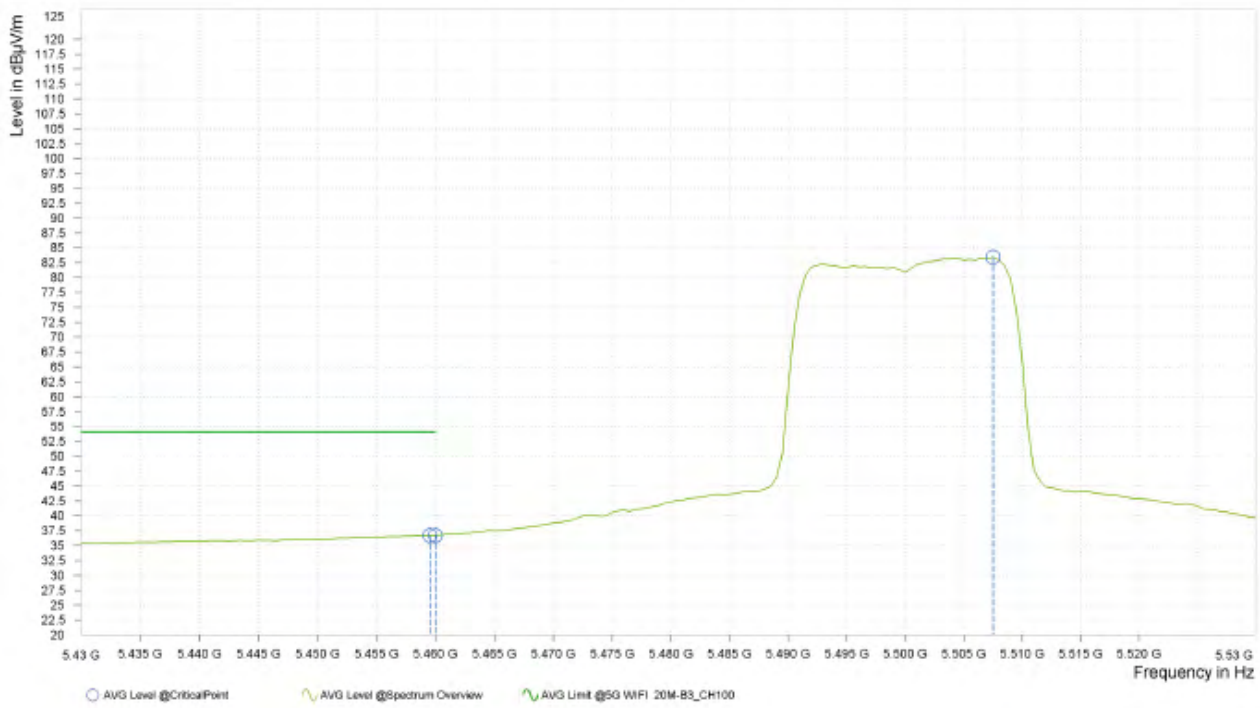
**802.11n (20MHz)**

| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 100 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |

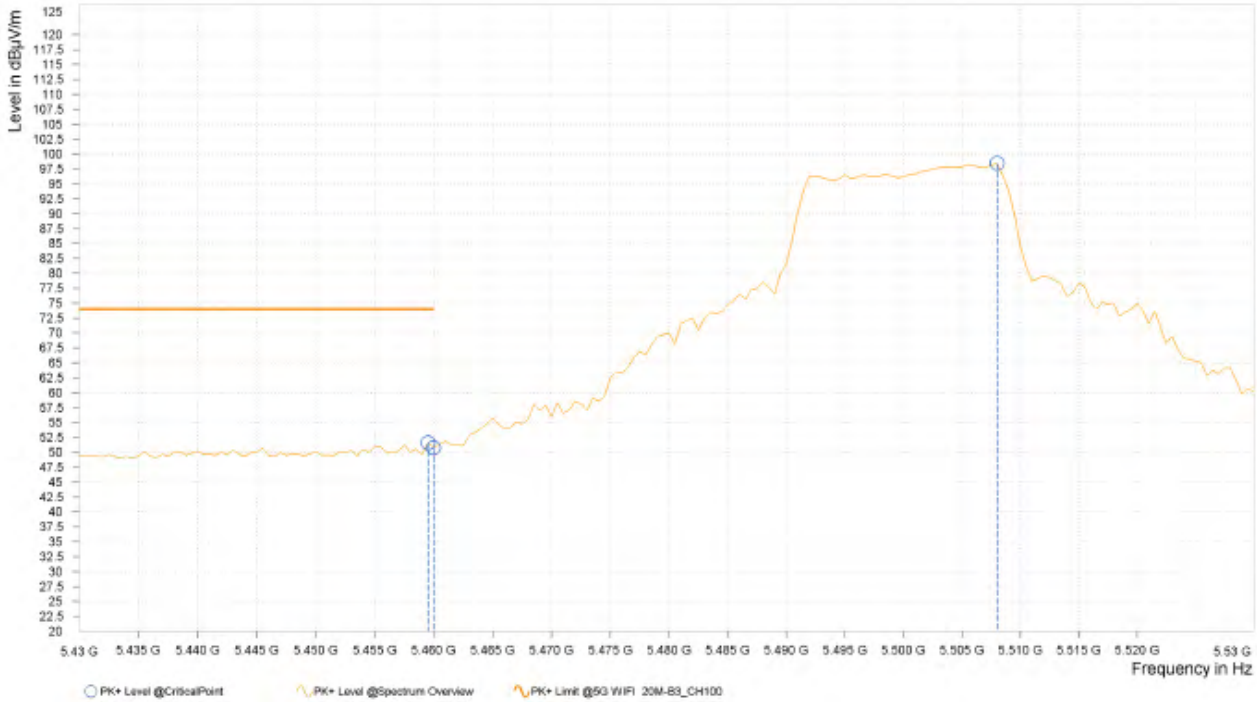
| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,459.500 | 37.36 | 54.00 | 16.64 | 11.12 | H | 109.6 | 2.00 |
| 8 | 5,460.000 | 37.42 | 54.00 | 16.58 | 11.12 | H | 109.6 | 2.00 |
| 8 | 5,507.500 | 85.72 | | | 11.09 | H | 109.6 | 2.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,456.500 | 55.63 | 74.00 | 18.37 | 11.12 | H | 75 | 2.00 |
| 8 | 5,460.000 | 55.00 | 74.00 | 19.00 | 11.12 | H | 75 | 2.00 |
| 8 | 5,502.500 | 98.55 | | | 11.09 | H | 75 | 2.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,459.500 | 36.67 | 54.00 | 17.33 | 11.12 | V | 123.6 | 1.00 |
| 8 | 5,460.000 | 36.72 | 54.00 | 17.28 | 11.12 | V | 123.6 | 1.00 |
| 8 | 5,507.500 | 83.45 | | | 11.09 | V | 60.2 | 1.00 |



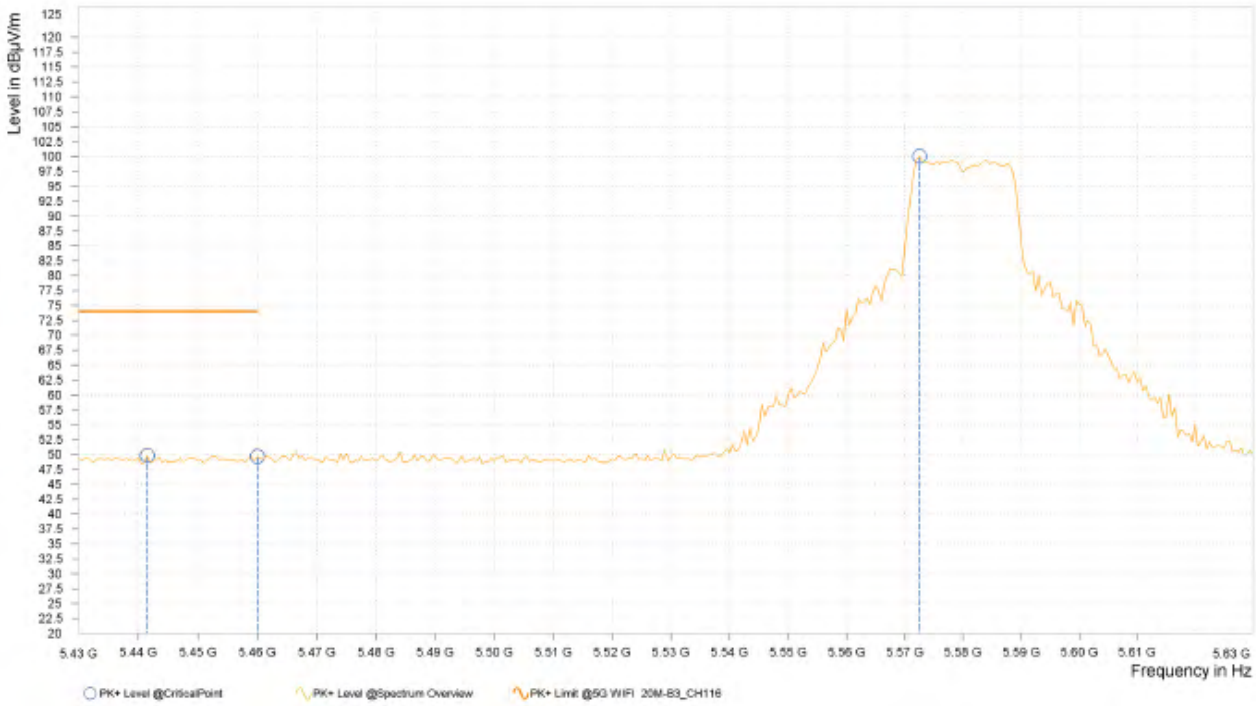

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,459.500 | 51.59 | 74.00 | 22.41 | 11.12 | V | 171.8 | 2.00 |
| 8 | 5,460.000 | 50.77 | 74.00 | 23.23 | 11.12 | V | 124.9 | 1.00 |
| 8 | 5,508.000 | 98.43 | | | 11.09 | V | 61.4 | 1.00 |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

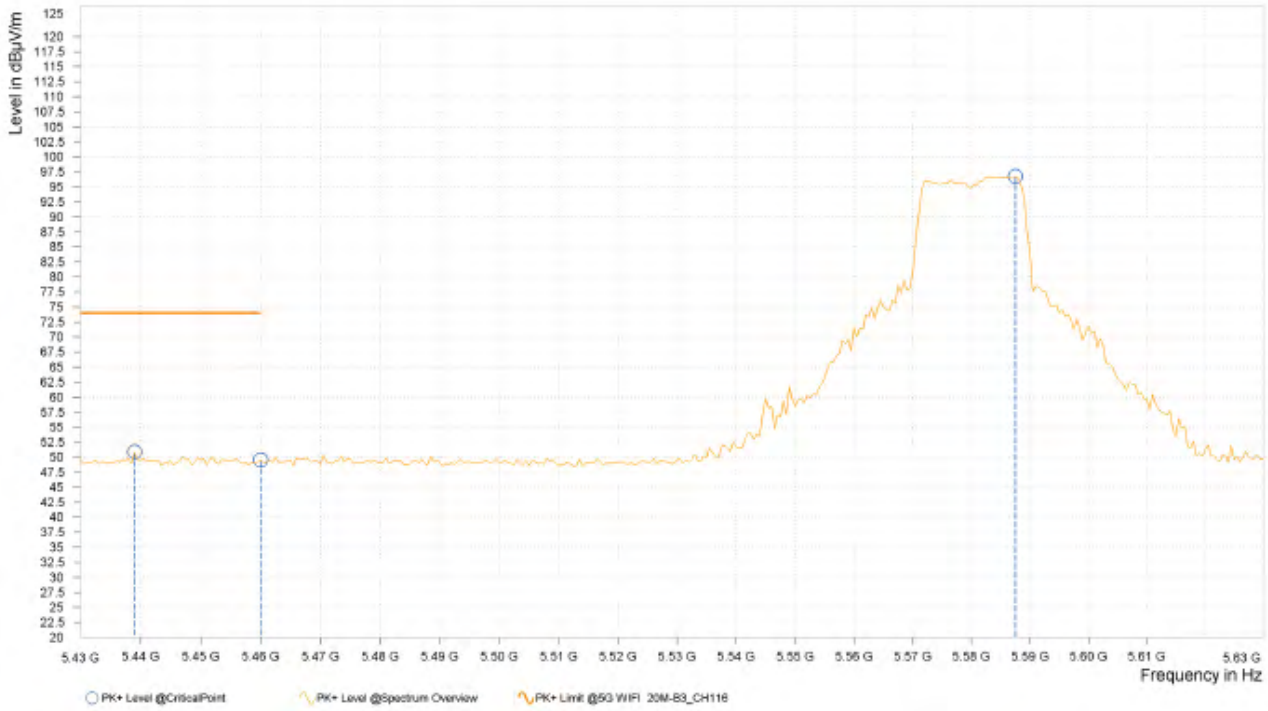
| CHANNEL | TX Channel 116 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 9 | 5,459.000 | 35.56 | 54.00 | 18.44 | 11.12 | H | 197.8 | 1.00 |
| 9 | 5,460.000 | 35.50 | 54.00 | 18.50 | 11.12 | H | 170.6 | 2.00 |
| 9 | 5,576.500 | 84.41 | | | 11.20 | H | 4.9 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 9 | 5,441.500 | 49.82 | 74.00 | 24.18 | 11.13 | H | 1 | 1.00 |
| 9 | 5,460.000 | 49.64 | 74.00 | 24.36 | 11.12 | H | 2.4 | 2.00 |
| 9 | 5,572.500 | 100.03 | | | 11.19 | H | 4.9 | 1.00 |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 9 | 5,455.000 | 35.54 | 54.00 | 18.46 | 11.12 | V | 190.5 | 1.00 |
| 9 | 5,460.000 | 35.47 | 54.00 | 18.53 | 11.12 | V | 1 | 2.00 |
| 9 | 5,576.500 | 80.16 | | | 11.20 | V | 190.5 | 1.00 |

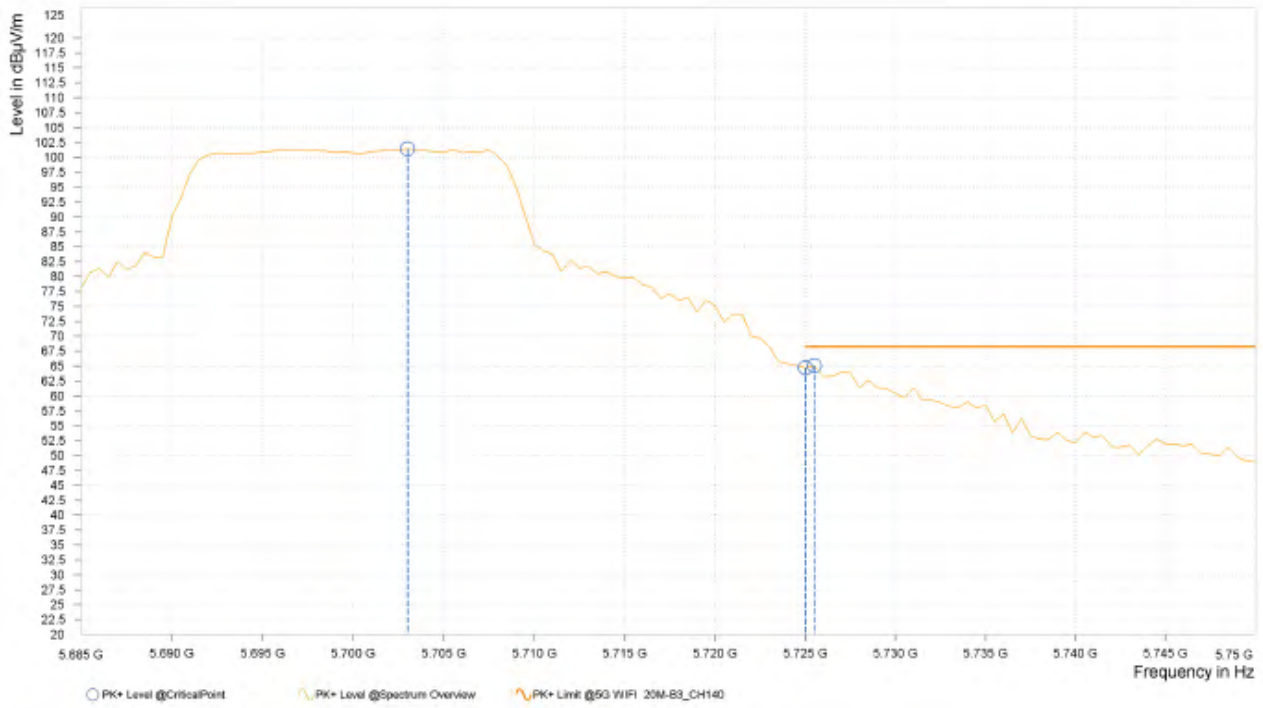



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 9 | 5,439.000 | 50.87 | 74.00 | 23.13 | 11.13 | V | 60.2 | 1.00 |
| 9 | 5,460.000 | 49.51 | 74.00 | 24.49 | 11.12 | V | 60.2 | 1.00 |
| 9 | 5,587.500 | 96.77 | | | 11.23 | V | 124.8 | 1.00 |

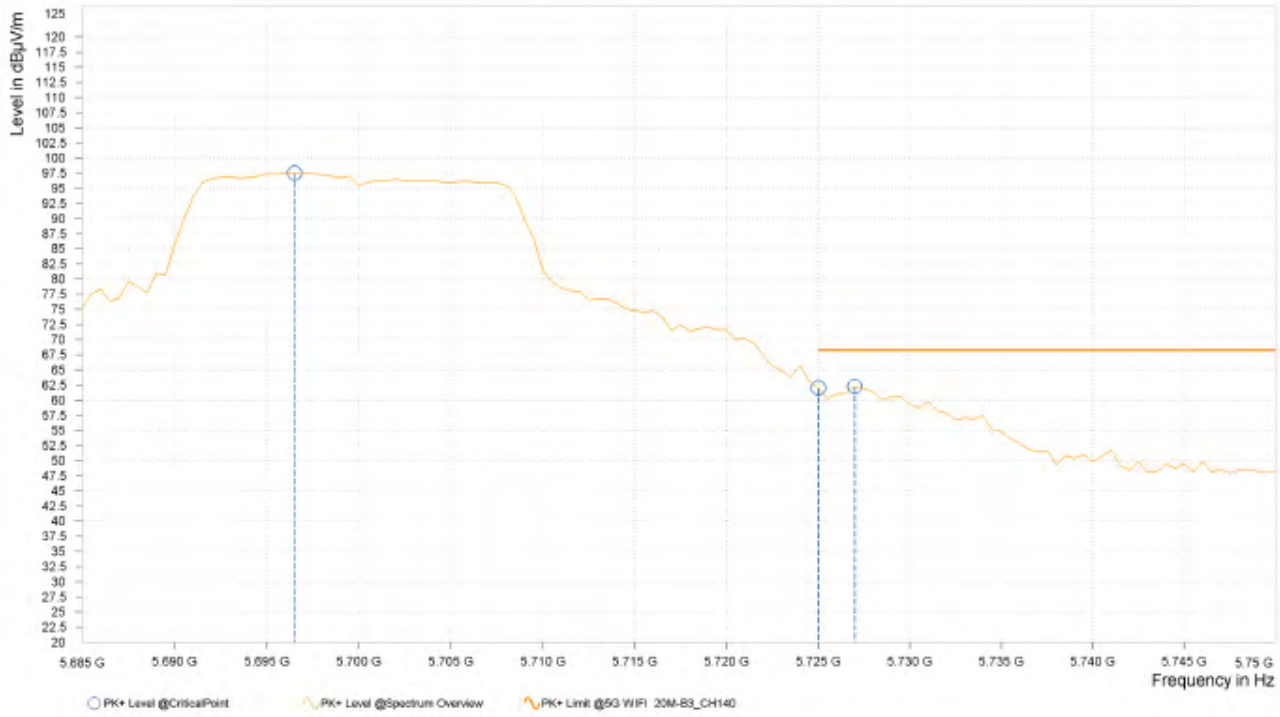
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.

| CHANNEL | TX Channel 140 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,703.000 | 101.42 | | | 11.65 | H | 59.1 | 1.00 |
| 10 | 5,725.000 | 64.73 | 68.20 | 3.47 | 11.70 | H | 110.9 | 2.00 |
| 10 | 5,725.500 | 65.05 | 68.20 | 3.15 | 11.70 | H | 110.9 | 2.00 |



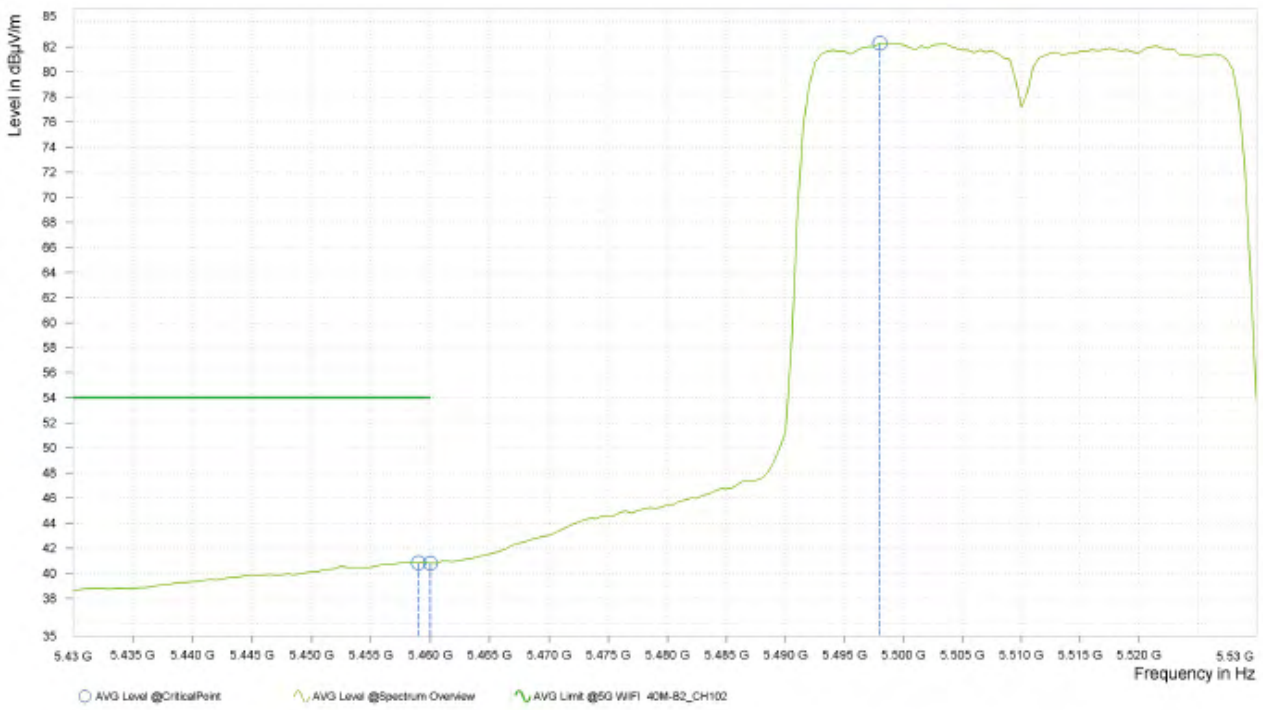

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,696.500 | 97.54 | | | 11.63 | V | 123.6 | 1.00 |
| 10 | 5,725.000 | 62.01 | 68.20 | 6.19 | 11.70 | V | 173 | 2.00 |
| 10 | 5,727.000 | 62.24 | 68.20 | 5.96 | 11.70 | V | 173 | 2.00 |

**REMARKS:**

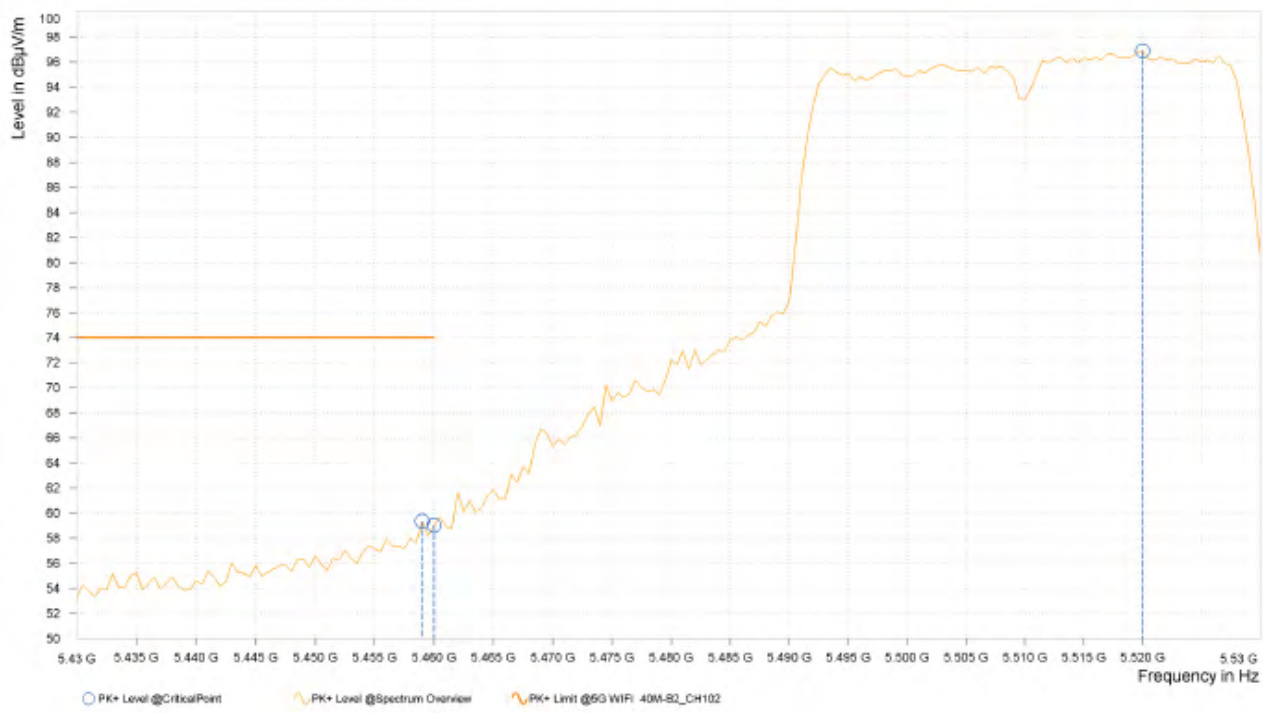
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5700MHz: Fundamental frequency.
3. #: Out of restricted band.

**802.11n (40MHz)**

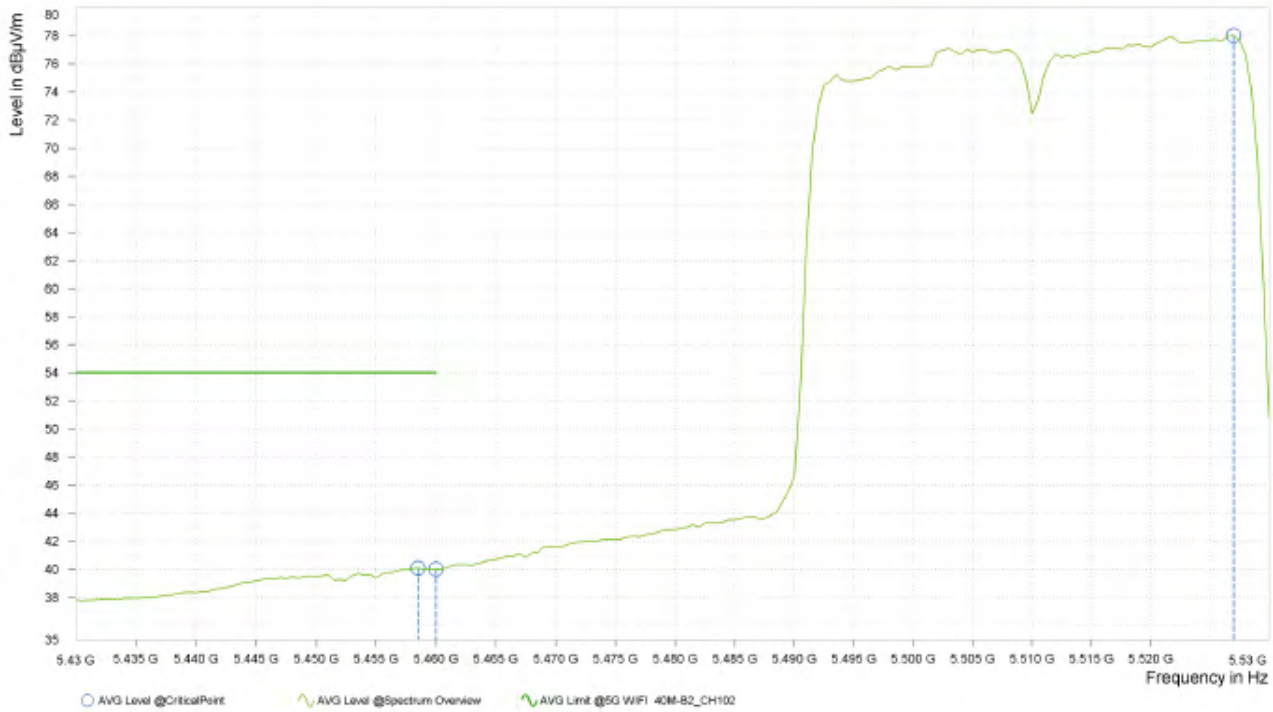
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 102 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,459.000 | 40.84 | 54.00 | 13.16 | 3.76 | H | 184.8 | 1.00 |
| 5 | 5,460.000 | 40.81 | 54.00 | 13.19 | 3.77 | H | 184.8 | 1.00 |
| 5 | 5,498.000 | 82.27 | | | 3.85 | H | 184.8 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,459.000 | 59.36 | 74.00 | 14.64 | 3.76 | H | 181.3 | 1.00 |
| 5 | 5,460.000 | 59.04 | 74.00 | 14.96 | 3.77 | H | 181.3 | 1.00 |
| 5 | 5,520.000 | 96.90 | | | 3.91 | H | 90.6 | 2.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,458.500 | 40.10 | 54.00 | 13.90 | 3.76 | V | 161 | 1.00 |
| 5 | 5,460.000 | 40.03 | 54.00 | 13.97 | 3.77 | V | 161 | 1.00 |
| 5 | 5,527.000 | 78.03 | | | 3.93 | V | 355.6 | 2.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,458.500 | 55.95 | 74.00 | 18.05 | 3.76 | V | 313.2 | 1.00 |
| 5 | 5,460.000 | 55.60 | 74.00 | 18.40 | 3.77 | V | 313.2 | 1.00 |
| 5 | 5,526.500 | 94.60 | | | 3.92 | V | 355 | 2.00 |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5510MHz: Fundamental frequency.
3. #: Out of restricted band.

| CHANNEL | TX Channel 110 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,456.825 | 37.68 | 54.00 | 16.32 | 3.76 | H | 58.8 | 2.00 |
| 6 | 5,460.000 | 37.64 | 54.00 | 16.36 | 3.76 | H | 200.9 | 1.00 |
| 6 | 5,566.663 | 79.65 | | | 4.06 | H | 84.5 | 2.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,449.938 | 53.53 | 74.00 | 20.47 | 3.74 | H | 302.4 | 2.00 |
| 6 | 5,460.000 | 51.56 | 74.00 | 22.44 | 3.76 | H | 359 | 1.00 |
| 6 | 5,542.738 | 97.70 | | | 3.97 | H | 191.9 | 1.00 |

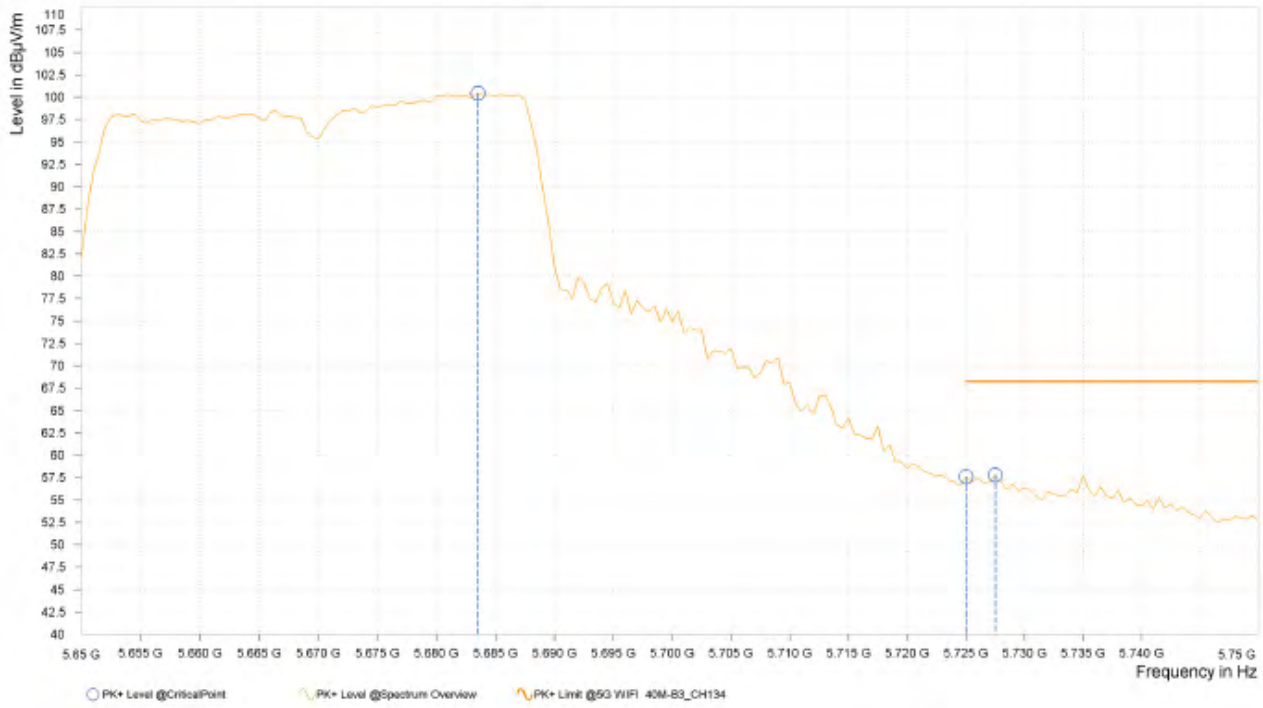
| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,447.763 | 37.62 | 54.00 | 16.38 | 3.74 | V | 156.8 | 1.00 |
| 6 | 5,460.000 | 37.48 | 54.00 | 16.52 | 3.76 | V | 333.4 | 2.00 |
| 6 | 5,538.388 | 77.33 | | | 3.96 | V | 156.8 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,454.650 | 52.65 | 74.00 | 21.35 | 3.75 | V | 307.8 | 2.00 |
| 6 | 5,460.000 | 51.92 | 74.00 | 22.08 | 3.76 | V | 301.4 | 1.00 |
| 6 | 5,559.413 | 96.49 | | | 4.03 | V | 226.7 | 1.00 |

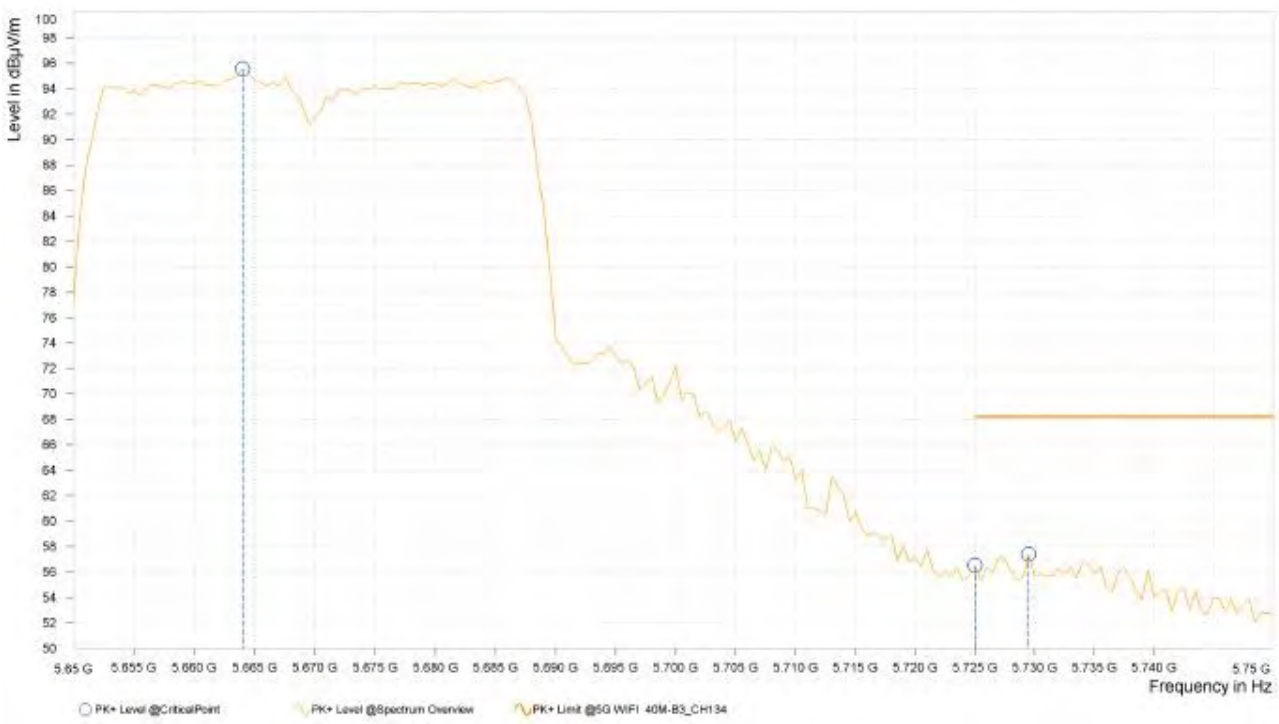
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

| CHANNEL | TX Channel 134 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,683.500 | 100.45 | | | 4.45 | H | 5.1 | 1.00 |
| 7 | 5,725.000 | 57.59 | 68.20 | 10.61 | 4.49 | H | 5.1 | 1.00 |
| 7 | 5,727.500 | 57.79 | 68.20 | 10.41 | 4.49 | H | 177.8 | 1.00 |



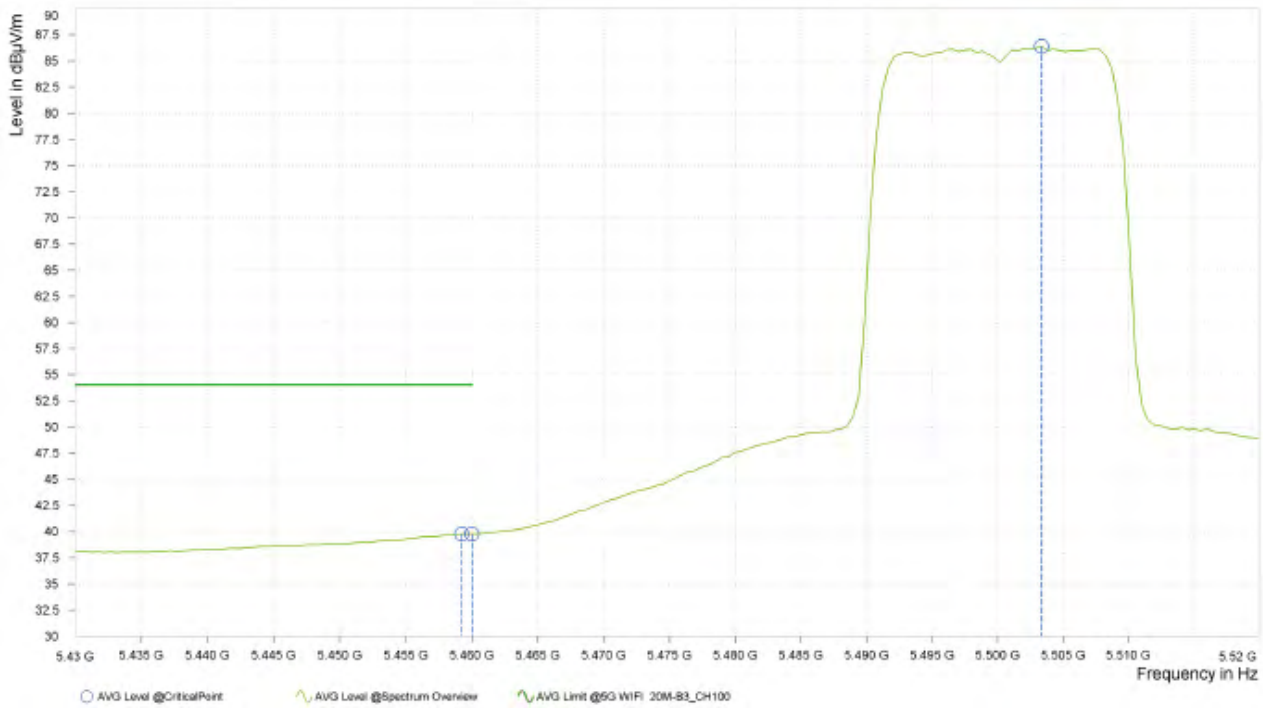

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,664.000 | 95.57 | | | 4.41 | V | 177.7 | 1.00 |
| 7 | 5,725.000 | 56.52 | 68.20 | 11.68 | 4.49 | V | 152 | 1.00 |
| 7 | 5,729.500 | 57.40 | 68.20 | 10.80 | 4.49 | V | 152 | 1.00 |

**REMARKS:**

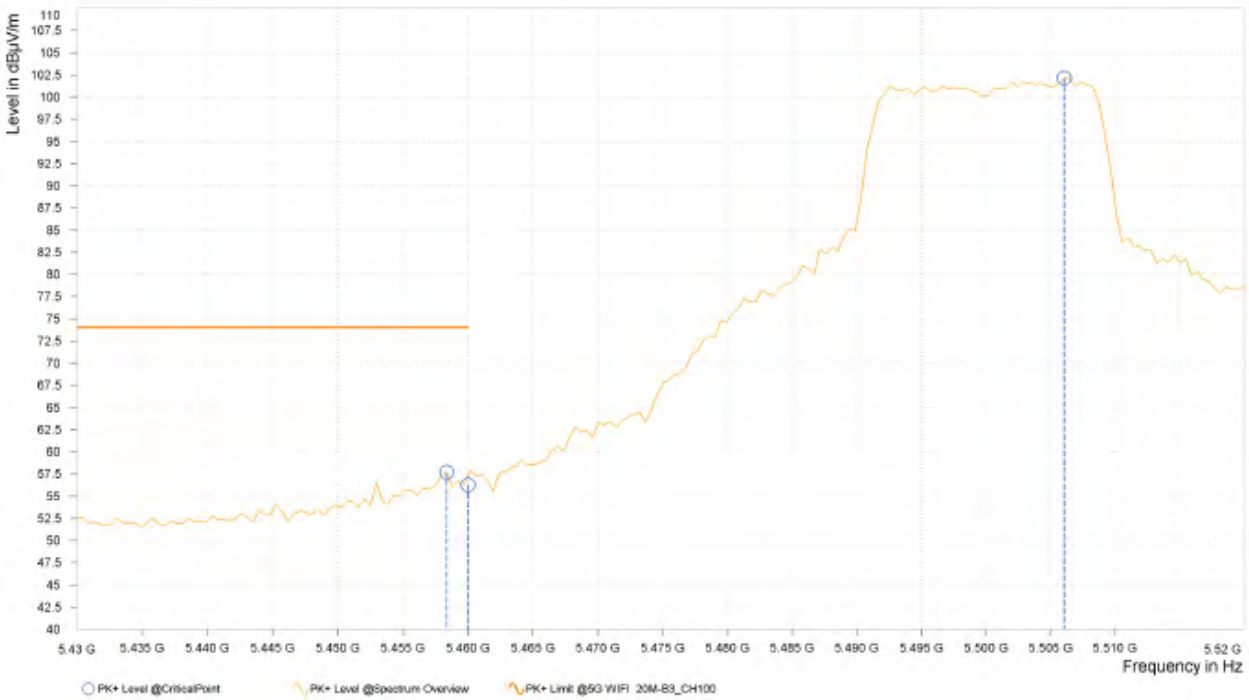
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5670MHz: Fundamental frequency.
3. #: Out of restricted band.

**802.11ac (20MHz)**

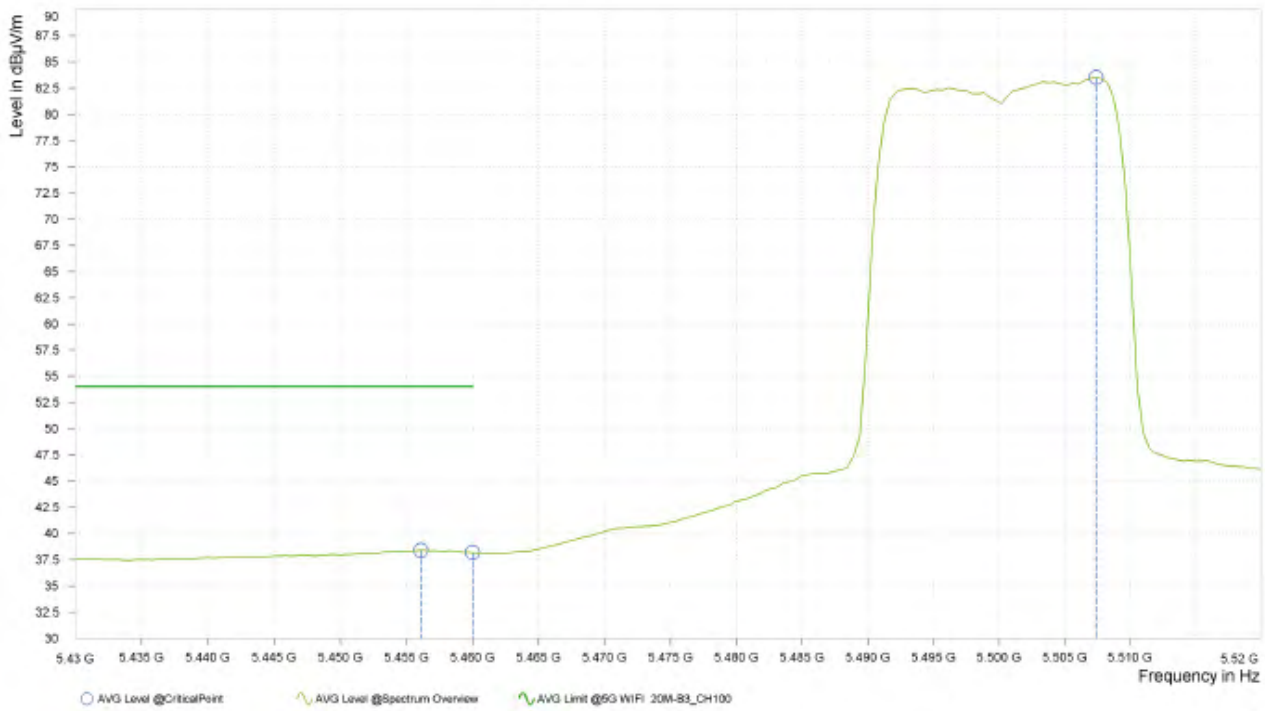
| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 100 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |



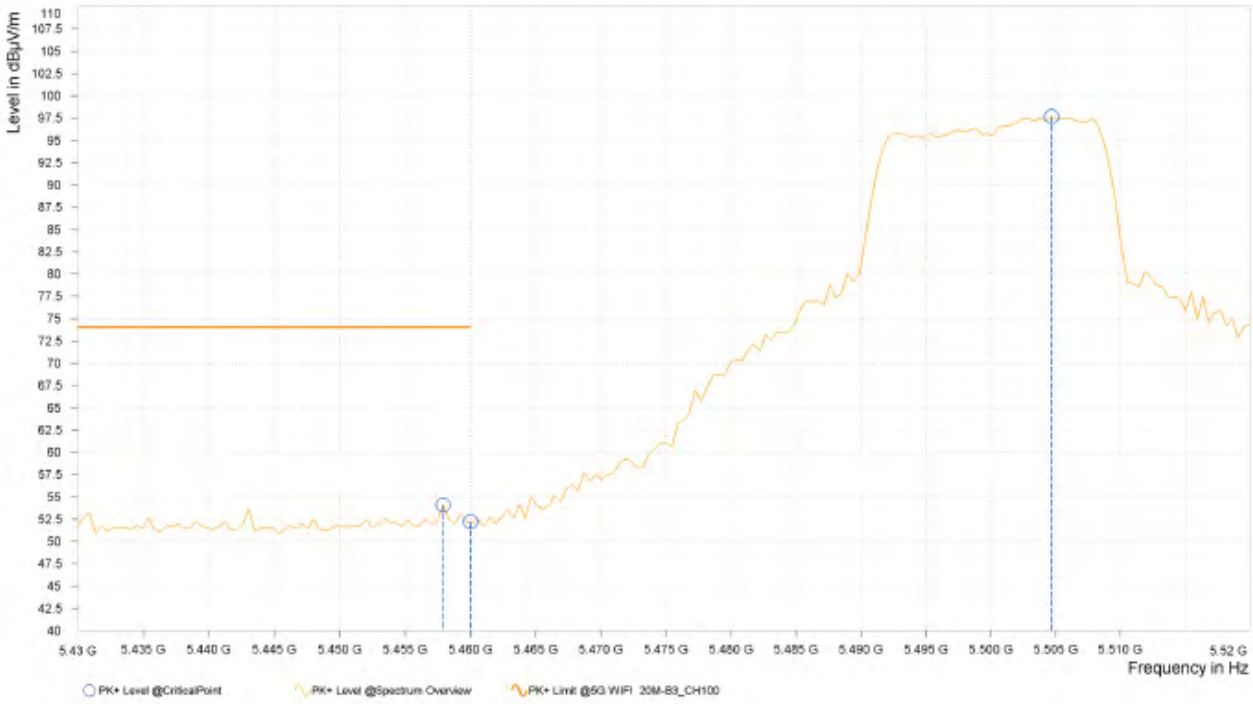

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,459.250 | 39.77 | 54.00 | 14.23 | 3.76 | H | 358.2 | 1.00 |
| 7 | 5,460.000 | 39.77 | 54.00 | 14.23 | 3.76 | H | 358.2 | 1.00 |
| 7 | 5,503.350 | 86.41 | | | 3.87 | H | 1 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,458.350 | 57.71 | 74.00 | 16.29 | 3.76 | H | 1 | 1.00 |
| 7 | 5,460.000 | 56.27 | 74.00 | 17.73 | 3.76 | H | 1 | 1.00 |
| 7 | 5,506.050 | 102.14 | | | 3.87 | H | 281.5 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,456.100 | 38.42 | 54.00 | 15.58 | 3.76 | V | 116.6 | 2.00 |
| 7 | 5,460.000 | 38.20 | 54.00 | 15.80 | 3.76 | V | 116.6 | 2.00 |
| 7 | 5,507.400 | 83.53 | | | 3.88 | V | 166.9 | 2.00 |

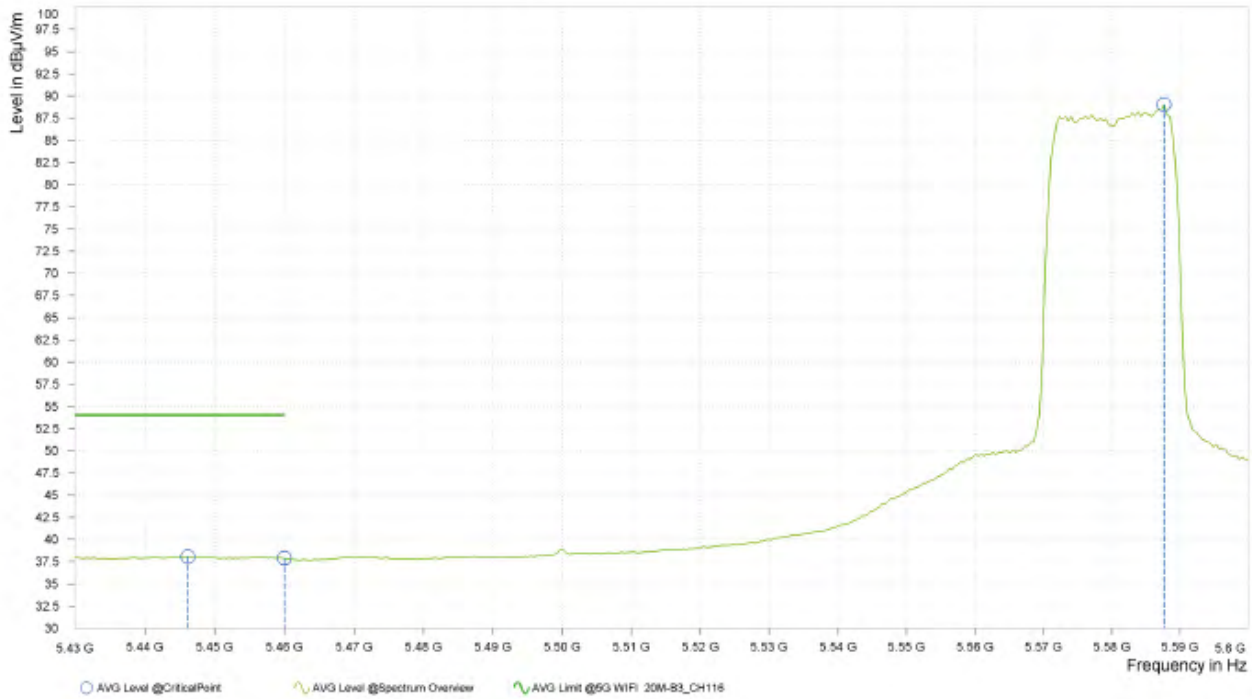



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,457.900 | 54.09 | 74.00 | 19.91 | 3.76 | V | 45 | 2.00 |
| 7 | 5,460.000 | 52.20 | 74.00 | 21.80 | 3.76 | V | 153.8 | 2.00 |
| 7 | 5,504.700 | 97.65 | | | 3.87 | V | 100 | 2.00 |

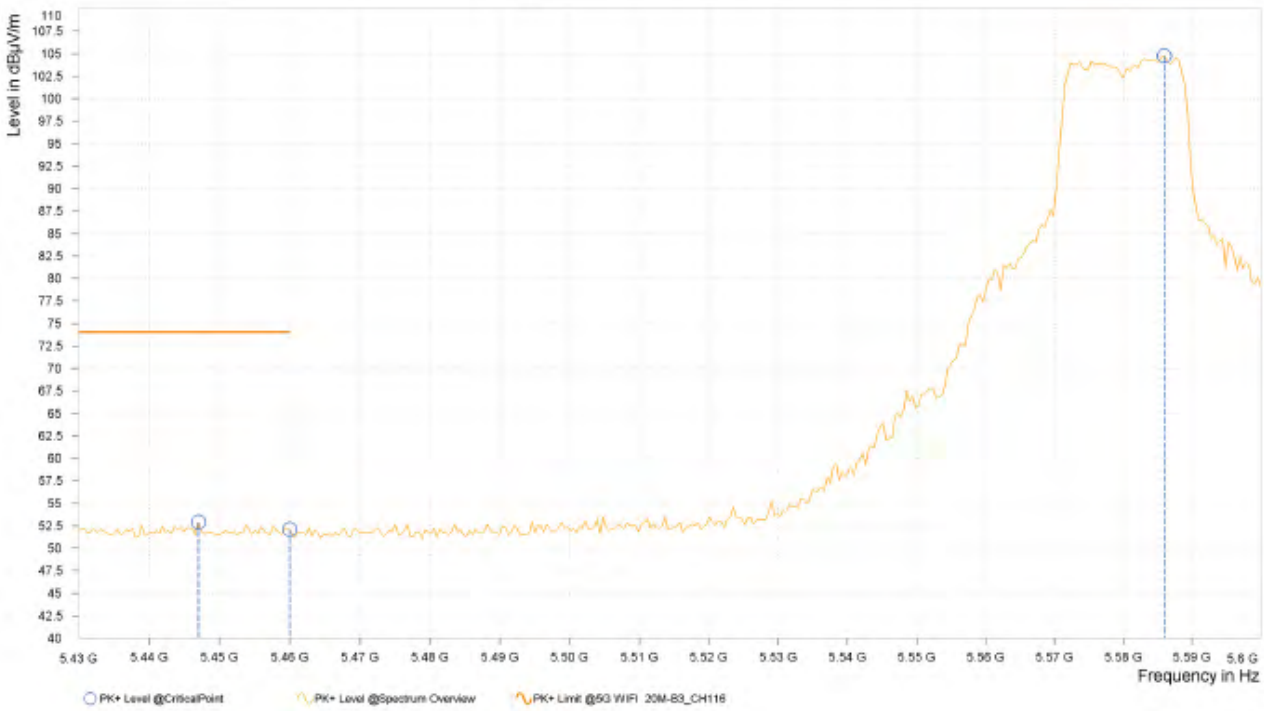
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

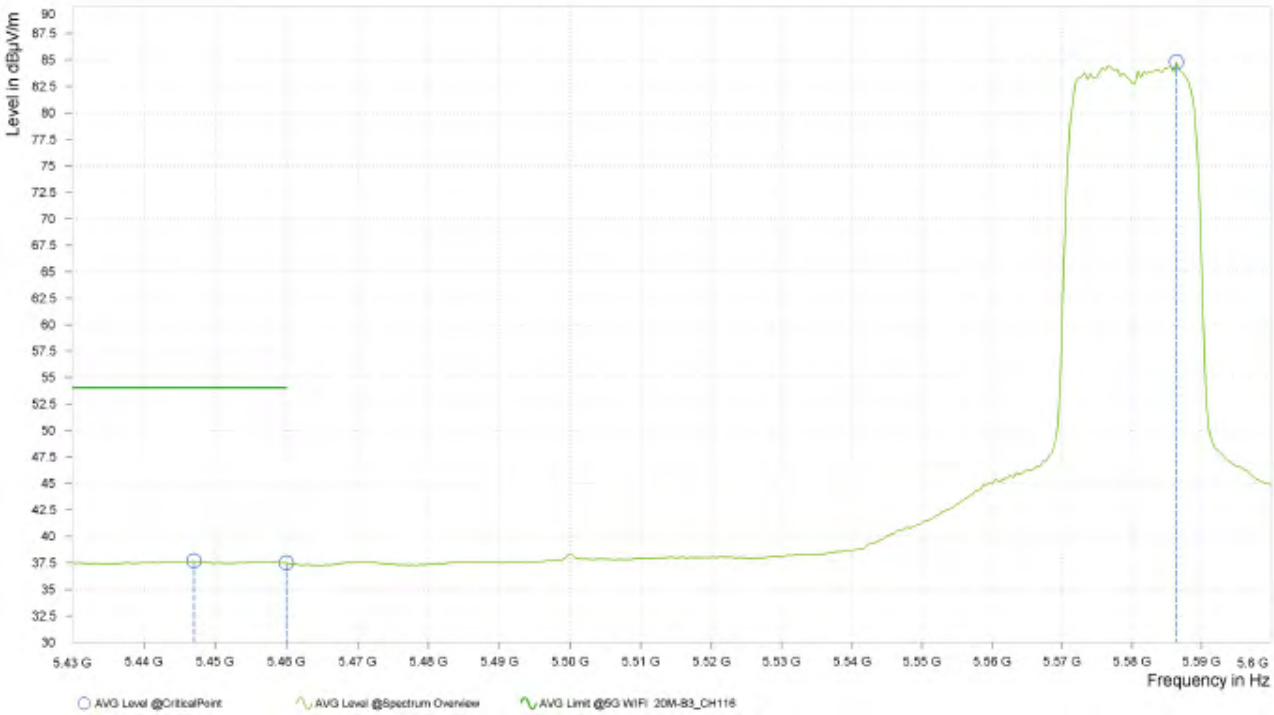
| CHANNEL | TX Channel 116 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |



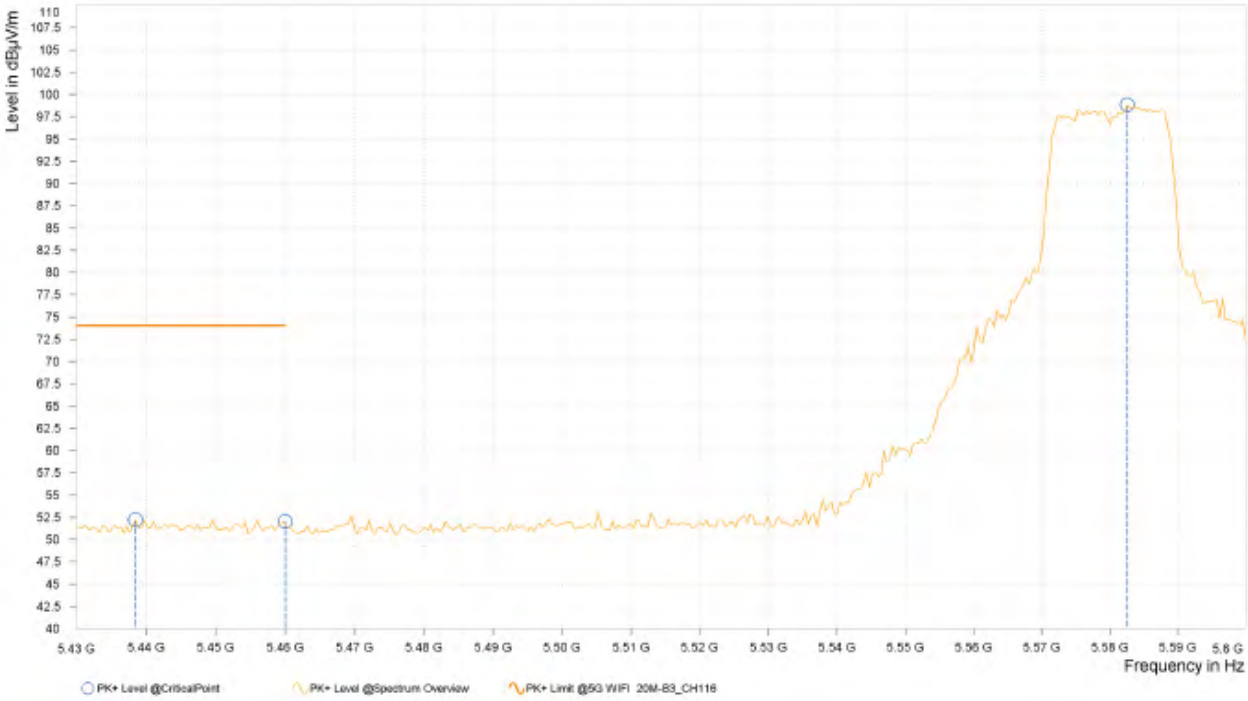

| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,446.150 | 38.05 | 54.00 | 15.95 | 3.73 | H | 193.1 | 1.00 |
| 8 | 5,460.000 | 37.89 | 54.00 | 16.11 | 3.76 | H | 359 | 1.00 |
| 8 | 5,587.675 | 89.04 | | | 4.16 | H | 193.1 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,447.000 | 52.91 | 74.00 | 21.09 | 3.74 | H | 359 | 2.00 |
| 8 | 5,460.000 | 52.11 | 74.00 | 21.89 | 3.76 | H | 342.2 | 1.00 |
| 8 | 5,585.980 | 104.73 | | | 4.15 | H | 1 | 1.00 |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,447.000 | 37.69 | 54.00 | 16.31 | 3.74 | V | 315.2 | 2.00 |
| 8 | 5,460.000 | 37.50 | 54.00 | 16.50 | 3.76 | V | 115.5 | 2.00 |
| 8 | 5,586.400 | 84.80 | | | 4.16 | V | 359.1 | 1.00 |

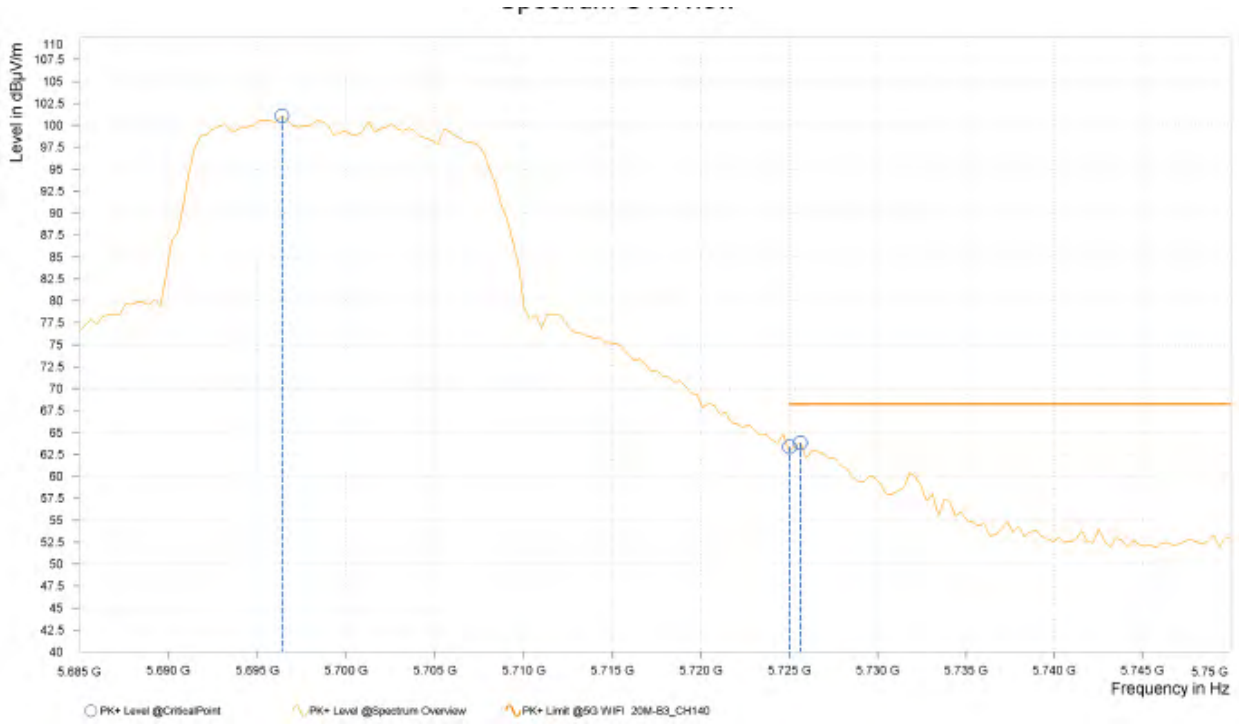



| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 8 | 5,438.500 | 52.22 | 74.00 | 21.78 | 3.72 | V | 0.9 | 2.00 |
| 8 | 5,460.000 | 52.02 | 74.00 | 21.98 | 3.76 | V | 359.1 | 1.00 |
| 8 | 5,582.575 | 98.83 | | | 4.14 | V | 167 | 2.00 |

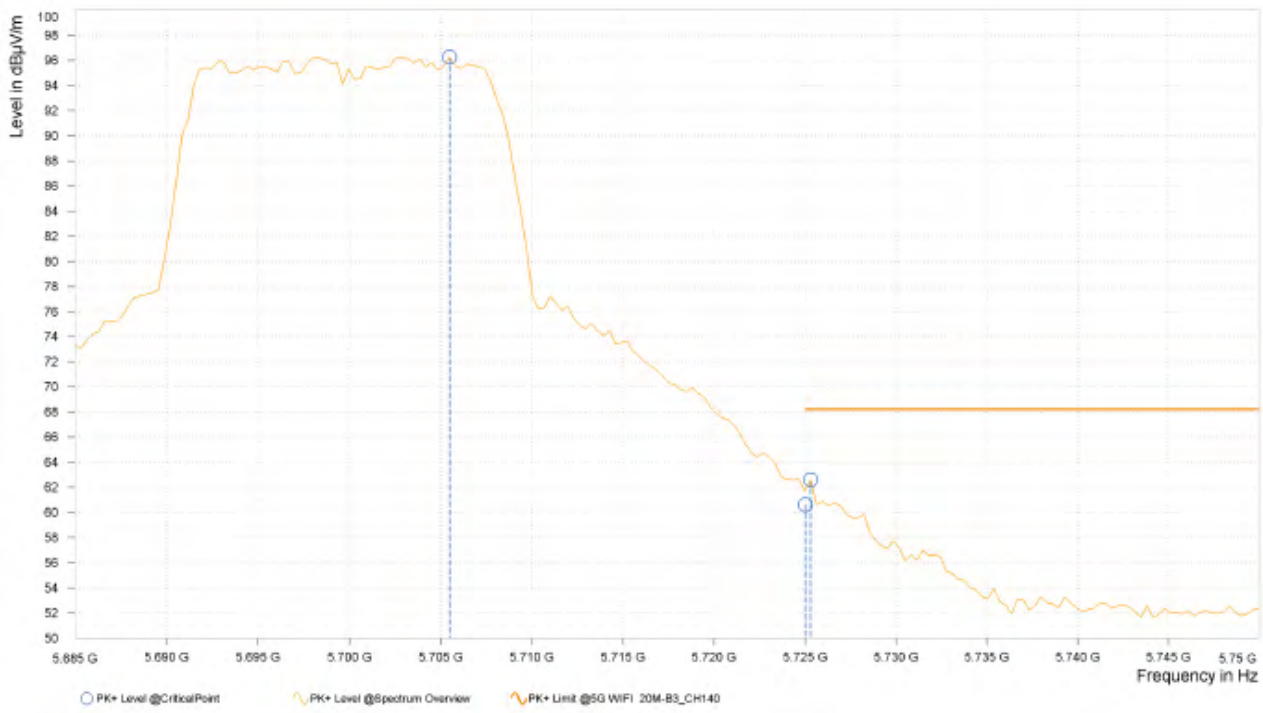
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.

| CHANNEL | TX Channel 140 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,696.380 | 101.09 | | | 4.48 | H | 78.4 | 2.00 |
| 10 | 5,725.000 | 63.35 | 68.20 | 4.85 | 4.49 | H | 131 | 2.00 |
| 10 | 5,725.625 | 63.82 | 68.20 | 4.38 | 4.49 | H | 131 | 2.00 |



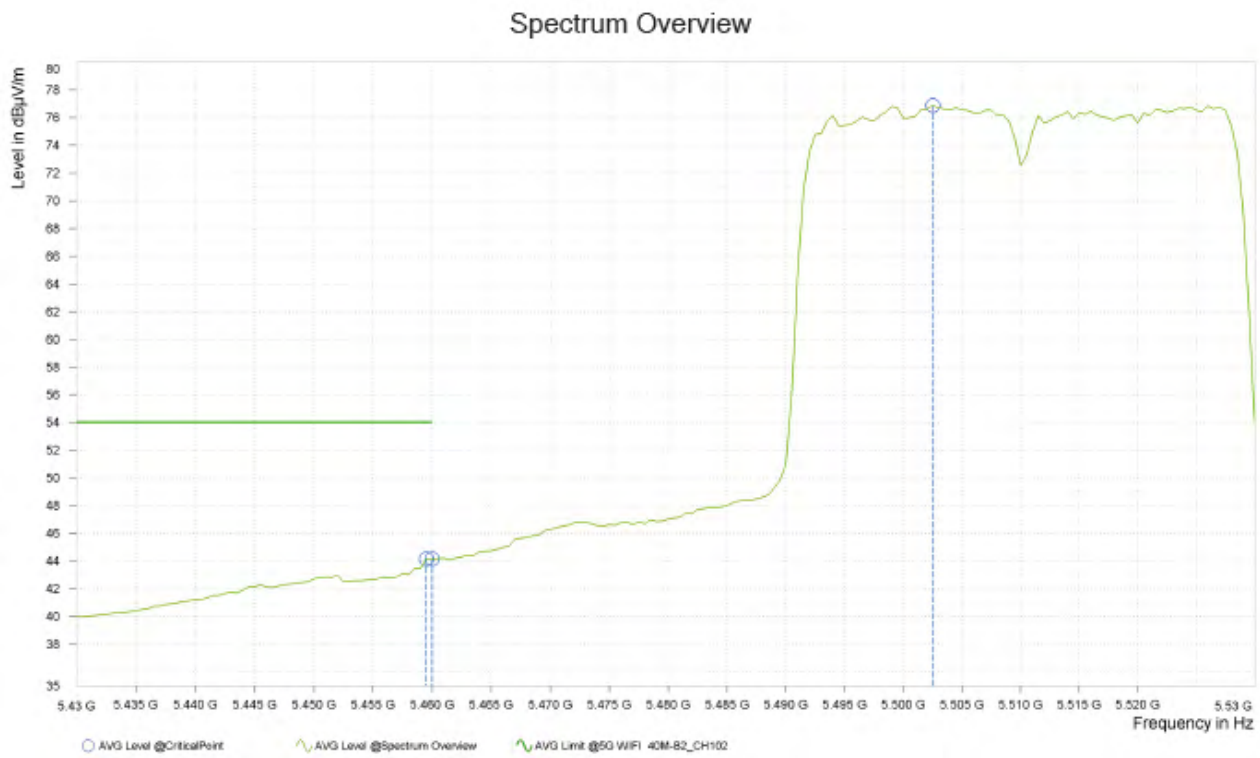

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 10 | 5,705.475 | 96.25 | | | 4.48 | V | 349.4 | 1.00 |
| 10 | 5,725.000 | 60.62 | 68.20 | 7.58 | 4.49 | V | 349.4 | 1.00 |
| 10 | 5,725.300 | 62.61 | 68.20 | 5.59 | 4.49 | V | 359.1 | 1.00 |

**REMARKS:**

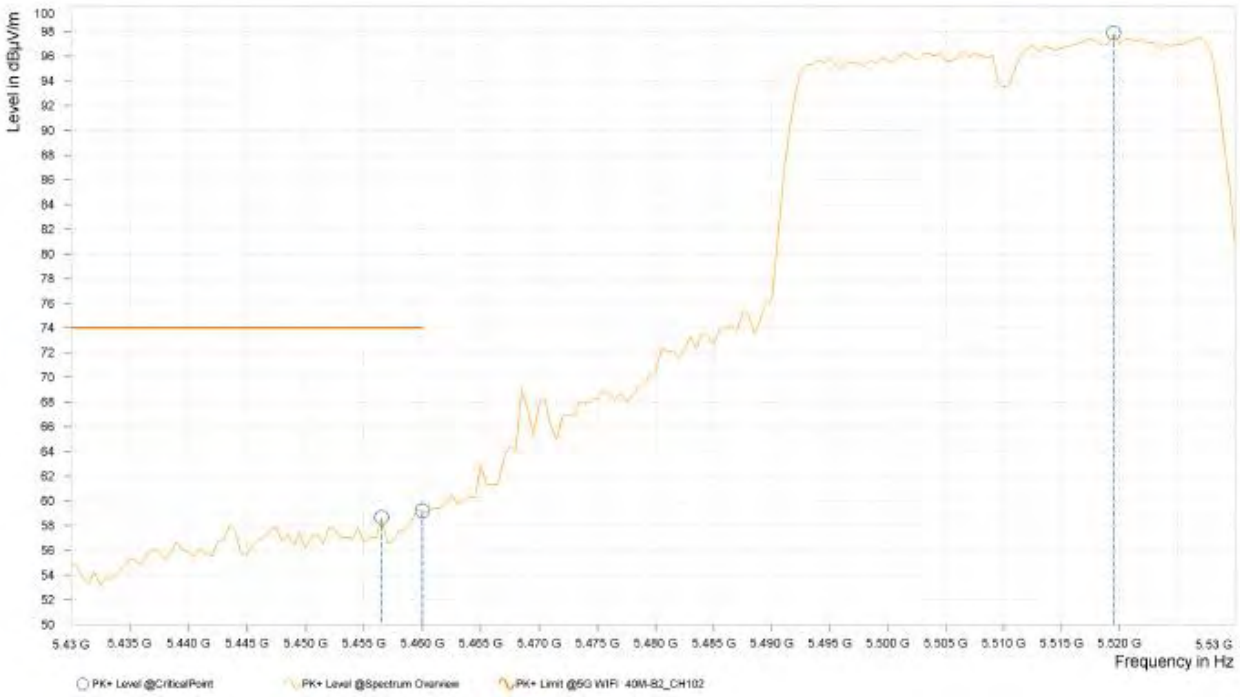
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5700MHz: Fundamental frequency.
3. #: Out of restricted band.

**802.11ac (40MHz)**

| | | | |
|---|---|---|---|
| **CHANNEL** | TX Channel 102 | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **FREQUENCY RANGE** | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,459.500 | 44.16 | 54.00 | 9.84 | 3.76 | H | 195 | 1.00 |
| 5 | 5,460.000 | 44.16 | 54.00 | 9.84 | 3.76 | H | 195 | 1.00 |
| 5 | 5,502.500 | 76.89 | | | 3.86 | H | 170 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,456.500 | 58.68 | 74.00 | 15.32 | 3.76 | H | 110.7 | 2.00 |
| 5 | 5,460.000 | 59.22 | 74.00 | 14.78 | 3.77 | H | 175.9 | 1.00 |
| 5 | 5,519.500 | 97.89 | | | 3.91 | H | 85.7 | 2.00 |

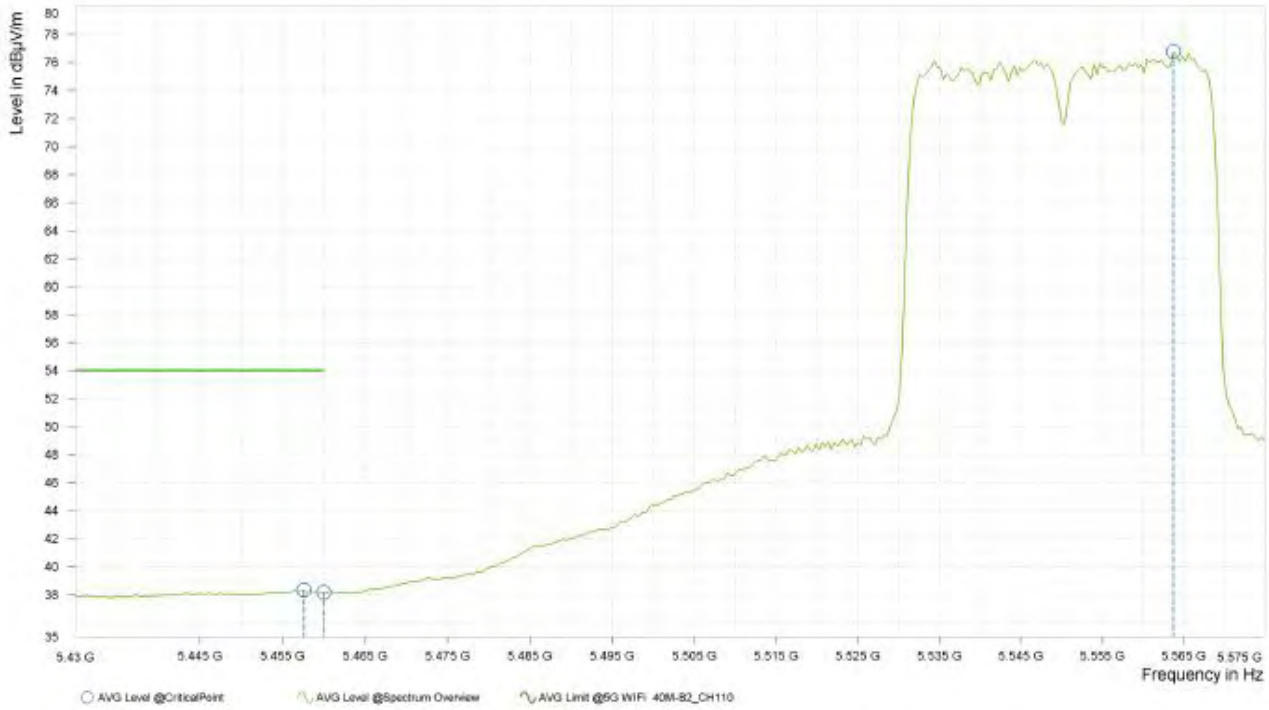
| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,459.500 | 42.55 | 54.00 | 11.45 | 3.76 | V | 241.6 | 1.00 |
| 5 | 5,460.000 | 42.43 | 54.00 | 11.57 | 3.77 | V | 241.6 | 1.00 |
| 5 | 5,526.500 | 74.90 | | | 3.92 | V | 216.4 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 5 | 5,459.000 | 60.79 | 74.00 | 13.21 | 3.76 | V | 169.4 | 1.00 |
| 5 | 5,460.000 | 59.94 | 74.00 | 14.06 | 3.77 | V | 169.4 | 1.00 |
| 5 | 5,527.000 | 98.59 | | | 3.93 | V | 169.4 | 1.00 |

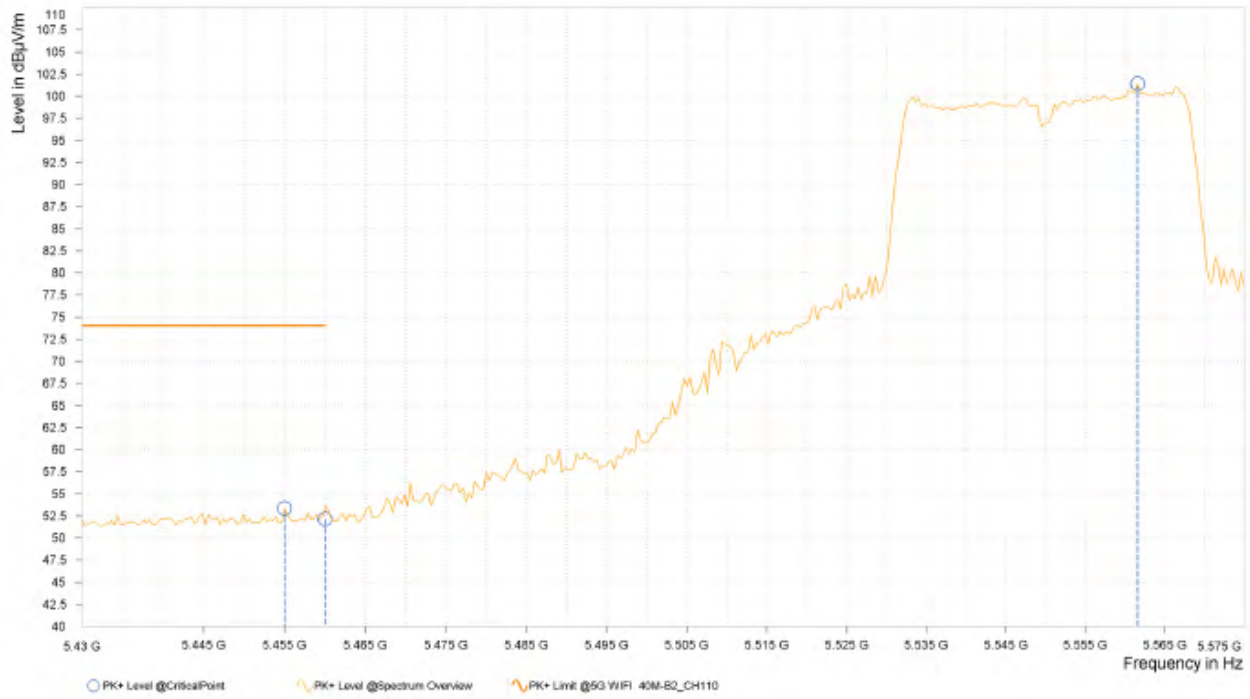
**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5510MHz: Fundamental frequency.
3. #: Out of restricted band.

| CHANNEL | TX Channel 110 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,457.550 | 38.34 | 54.00 | 15.66 | 3.76 | H | 5 | 1.00 |
| 6 | 5,460.000 | 38.18 | 54.00 | 15.82 | 3.76 | H | 199.7 | 1.00 |
| 6 | 5,563.763 | 76.76 | | | 4.05 | H | 5 | 1.00 |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,455.013 | 53.36 | 74.00 | 20.64 | 3.75 | H | 235 | 2.00 |
| 6 | 5,460.000 | 52.14 | 74.00 | 21.86 | 3.76 | H | 235 | 2.00 |
| 6 | 5,561.590 | 101.39 | | | 4.04 | H | 168.8 | 1.00 |

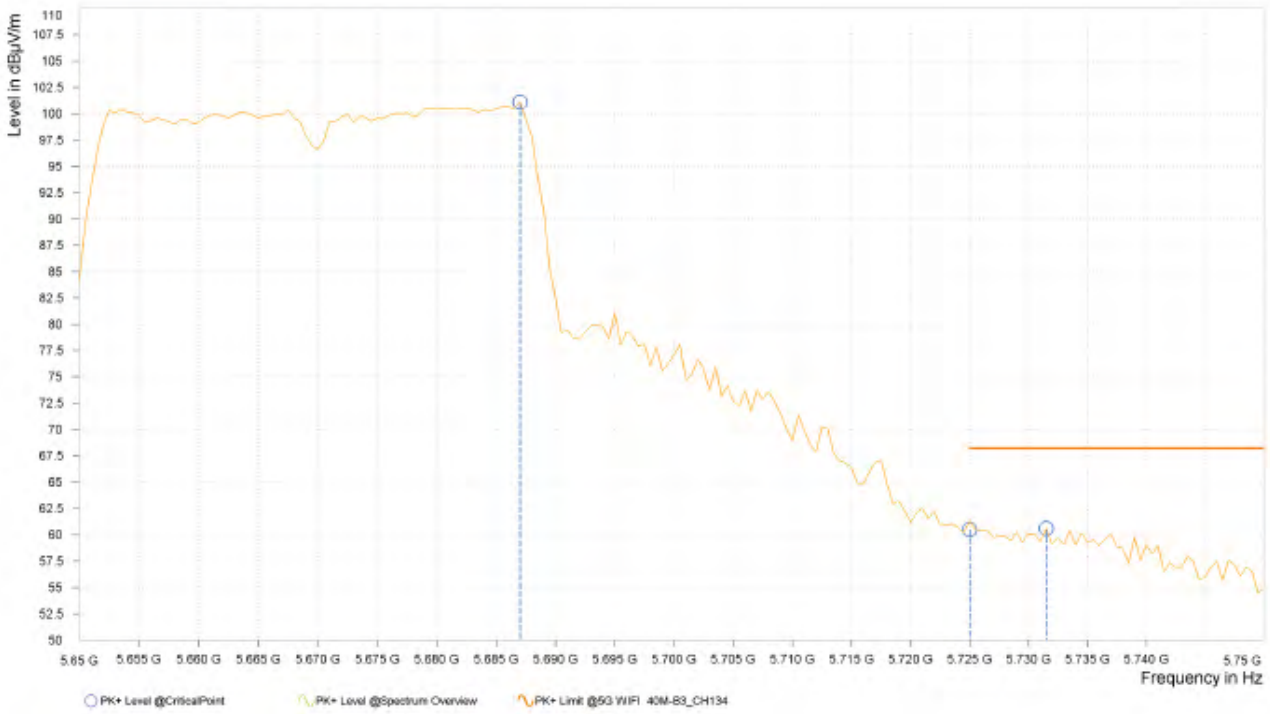
| Rg | Frequency [MHz] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,457.550 | 37.80 | 54.00 | 16.20 | 3.76 | V | 51 | 1.00 |
| 6 | 5,460.000 | 37.66 | 54.00 | 16.34 | 3.76 | V | 177.1 | 1.00 |
| 6 | 5,547.813 | 74.13 | | | 3.98 | V | 227.3 | 1.00 |

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 6 | 5,455.375 | 52.73 | 74.00 | 21.27 | 3.75 | V | 26.6 | 1.00 |
| 6 | 5,460.000 | 51.95 | 74.00 | 22.05 | 3.76 | V | 110.7 | 2.00 |
| 6 | 5,567.025 | 98.46 | | | 4.07 | V | 219.4 | 1.00 |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
   Margin value = Limit value- Emission level.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

| CHANNEL | TX Channel 134 | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
|---|---|---|---|
| FREQUENCY RANGE | 1GHz ~ 40GHz | | |




| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+ Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|---|---|---|---|---|---|---|---|---|
| 7 | 5,687.000 | 101.10 | | | 4.46 | H | 194.3 | 1.00 |
| 7 | 5,725.000 | 60.51 | 68.20 | 7.69 | 4.49 | H | 170 | 1.00 |
| 7 | 5,731.500 | 60.62 | 68.20 | 7.58 | 4.49 | H | 194.3 | 1.00 |