



### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

| Mode           | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum Average Conducted Output Power (dBm) |       |       |         | Verdict |
|----------------|---------|-----------------|-------|--------|--|-------|-------|---------|---------|
|                |         |                 |       |        | ANT1   | ANT2  | MIMO  | Limit   |         |
| 802.11a        | SISO    | 5180            | /     | /      | 13.12  | 12.84 | /     | <=23.98 | Pass    |
|                |         | 5200            | /     | /      | 13.35  | 12.78 | /     | <=23.98 | Pass    |
|                |         | 5240            | /     | /      | 13.85  | 12.99 | /     | <=23.98 | Pass    |
|                |         | 5260            | /     | /      | 12.99  | 12.92 | /     | <=23.98 | Pass    |
|                |         | 5300            | /     | /      | 13.75  | 13.24 | /     | <=23.98 | Pass    |
|                |         | 5320            | /     | /      | 14.24  | 12.81 | /     | <=23.98 | Pass    |
|                |         | 5500            | /     | /      | 13.31  | 12.34 | /     | <=23.98 | Pass    |
|                |         | 5580            | /     | /      | 12.78  | 12.81 | /     | <=23.98 | Pass    |
|                |         | 5700            | /     | /      | 12.67  | 12.21 | /     | <=23.98 | Pass    |
|                |         | 5745            | /     | /      | 11.82  | 11.36 | /     | <=30    | Pass    |
|                |         | 5785            | /     | /      | 11.96  | 11.29 | /     | <=30    | Pass    |
| 5825           | /       | /               | 12.50 | 11.54  | /  | <=30  | Pass  |         |         |
| 802.11n (HT20) | MIMO    | 5180            | /     | /      | 12.79  | 11.63 | 15.26 | <=23.98 | Pass    |
|                |         | 5200            | /     | /      | 11.93  | 11.76 | 14.86 | <=23.98 | Pass    |
|                |         | 5240            | /     | /      | 11.37  | 10.74 | 14.08 | <=23.98 | Pass    |
|                |         | 5260            | /     | /      | 11.26  | 10.67 | 13.99 | <=23.98 | Pass    |
|                |         | 5300            | /     | /      | 12.59  | 11.90 | 15.27 | <=23.98 | Pass    |
|                |         | 5320            | /     | /      | 12.39  | 11.38 | 14.92 | <=23.98 | Pass    |
|                |         | 5500            | /     | /      | 11.90  | 10.44 | 14.24 | <=23.98 | Pass    |
|                |         | 5580            | /     | /      | 10.98  | 10.86 | 13.93 | <=23.98 | Pass    |
|                |         | 5700            | /     | /      | 11.78  | 11.18 | 14.50 | <=23.98 | Pass    |
|                |         | 5745            | /     | /      | 10.50  | 10.30 | 13.41 | <=30    | Pass    |
|                |         | 5785            | /     | /      | 10.40  | 9.80  | 13.12 | <=30    | Pass    |
| 5825           | /       | /               | 11.02 | 10.45  | 13.75  | <=30  | Pass  |         |         |
| 802.11n (HT40) | MIMO    | 5190            | /     | /      | 13.49  | 13.59 | 16.55 | <=23.98 | Pass    |
|                |         | 5230            | /     | /      | 13.78  | 13.86 | 16.83 | <=23.98 | Pass    |
|                |         | 5270            | /     | /      | 13.87  | 13.57 | 16.73 | <=23.98 | Pass    |
|                |         | 5310            | /     | /      | 14.10  | 13.14 | 16.66 | <=23.98 | Pass    |
|                |         | 5510            | /     | /      | 13.71  | 12.73 | 16.26 | <=23.98 | Pass    |
|                |         | 5550            | /     | /      | 13.98  | 13.03 | 16.54 | <=23.98 | Pass    |
|                |         | 5670            | /     | /      | 12.48  | 12.67 | 15.59 | <=23.98 | Pass    |



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**

|                     |      |      |       |      |       |       |       |         |       |
|---------------------|------|------|-------|------|-------|-------|-------|---------|-------|
|                     |      | 5755 | /     | /    | 11.84 | 12.04 | 14.95 | <=30    | Pass  |
|                     |      | 5795 | /     | /    | 12.19 | 11.99 | 15.10 | <=30    | Pass  |
| 802.11ac<br>(VHT20) | MIMO | 5180 | /     | /    | 13.28 | 12.36 | 15.85 | <=23.98 | Pass  |
|                     |      | 5200 | /     | /    | 11.80 | 11.35 | 14.59 | <=23.98 | Pass  |
|                     |      | 5240 | /     | /    | 11.47 | 11.14 | 14.32 | <=23.98 | Pass  |
|                     |      | 5260 | /     | /    | 11.40 | 10.63 | 14.04 | <=23.98 | Pass  |
|                     |      | 5300 | /     | /    | 11.44 | 10.89 | 14.18 | <=23.98 | Pass  |
|                     |      | 5320 | /     | /    | 11.56 | 10.82 | 14.22 | <=23.98 | Pass  |
|                     |      | 5500 | /     | /    | 11.05 | 9.34  | 13.29 | <=23.98 | Pass  |
|                     |      | 5580 | /     | /    | 10.64 | 10.02 | 13.35 | <=23.98 | Pass  |
|                     |      | 5700 | /     | /    | 9.59  | 9.01  | 12.32 | <=23.98 | Pass  |
|                     |      | 5745 | /     | /    | 8.71  | 7.78  | 11.28 | <=30    | Pass  |
|                     |      | 5785 | /     | /    | 8.55  | 7.96  | 11.28 | <=30    | Pass  |
|                     |      | 5825 | /     | /    | 8.92  | 8.27  | 11.62 | <=30    | Pass  |
| 802.11ac<br>(VHT40) | MIMO | 5190 | /     | /    | 14.00 | 13.23 | 16.64 | <=23.98 | Pass  |
|                     |      | 5230 | /     | /    | 13.93 | 13.64 | 16.80 | <=23.98 | Pass  |
|                     |      | 5270 | /     | /    | 13.74 | 13.71 | 16.74 | <=23.98 | Pass  |
|                     |      | 5310 | /     | /    | 13.58 | 13.75 | 16.68 | <=23.98 | Pass  |
|                     |      | 5510 | /     | /    | 14.05 | 13.09 | 16.61 | <=23.98 | Pass  |
|                     |      | 5550 | /     | /    | 14.11 | 12.44 | 16.37 | <=23.98 | Pass  |
|                     |      | 5670 | /     | /    | 12.35 | 12.77 | 15.58 | <=23.98 | Pass  |
|                     |      | 5755 | /     | /    | 10.58 | 11.51 | 14.08 | <=30    | Pass  |
|                     |      | 5795 | /     | /    | 10.85 | 11.87 | 14.40 | <=30    | Pass  |
| 802.11ac<br>(VHT80) | MIMO | 5210 | /     | /    | 11.79 | 11.43 | 14.62 | <=23.98 | Pass  |
|                     |      | 5290 | /     | /    | 11.84 | 11.82 | 14.84 | <=23.98 | Pass  |
|                     |      | 5530 | /     | /    | 12.05 | 10.31 | 14.28 | <=23.98 | Pass  |
|                     |      | 5610 | /     | /    | 11.49 | 11.10 | 14.31 | <=23.98 | Pass  |
|                     |      | 5775 | /     | /    | 8.62  | 9.42  | 12.05 | <=30    | Pass  |
| 802.11ax<br>(HEW20) | MIMO | 5180 | RU242 | Left | 12.49 | 11.17 | 14.89 | <=23.98 | Pass  |
|                     |      | 5200 | RU242 | Left | 12.39 | 11.70 | 15.07 | <=23.98 | Pass  |
|                     |      | 5240 | RU242 | Left | 11.97 | 11.41 | 14.71 | <=23.98 | Pass  |
|                     |      | 5260 | RU242 | Left | 12.43 | 11.50 | 15.00 | <=23.98 | Pass  |
|                     |      | 5300 | RU242 | Left | 12.82 | 12.36 | 15.61 | <=23.98 | Pass  |
|                     |      | 5320 | RU242 | Left | 12.60 | 12.06 | 15.35 | <=23.98 | Pass  |
|                     |      | 5500 | RU242 | Left | 12.81 | 10.81 | 14.93 | <=23.98 | Pass  |
|                     |      | 5580 | RU242 | Left | 11.63 | 11.35 | 14.50 | <=23.98 | Pass  |
|                     |      | 5700 | RU242 | Left | 10.66 | 10.28 | 13.48 | <=23.98 | Pass  |
|                     |      | 5745 | RU242 | Left | 9.53  | 10.15 | 12.86 | <=30    | Pass  |
|                     |      | 5785 | RU242 | Left | 9.43  | 9.75  | 12.60 | <=30    | Pass  |
|                     |      |      |       | 5825 | RU242 | Left  | 9.09  | 10.15   | 12.66 |



# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

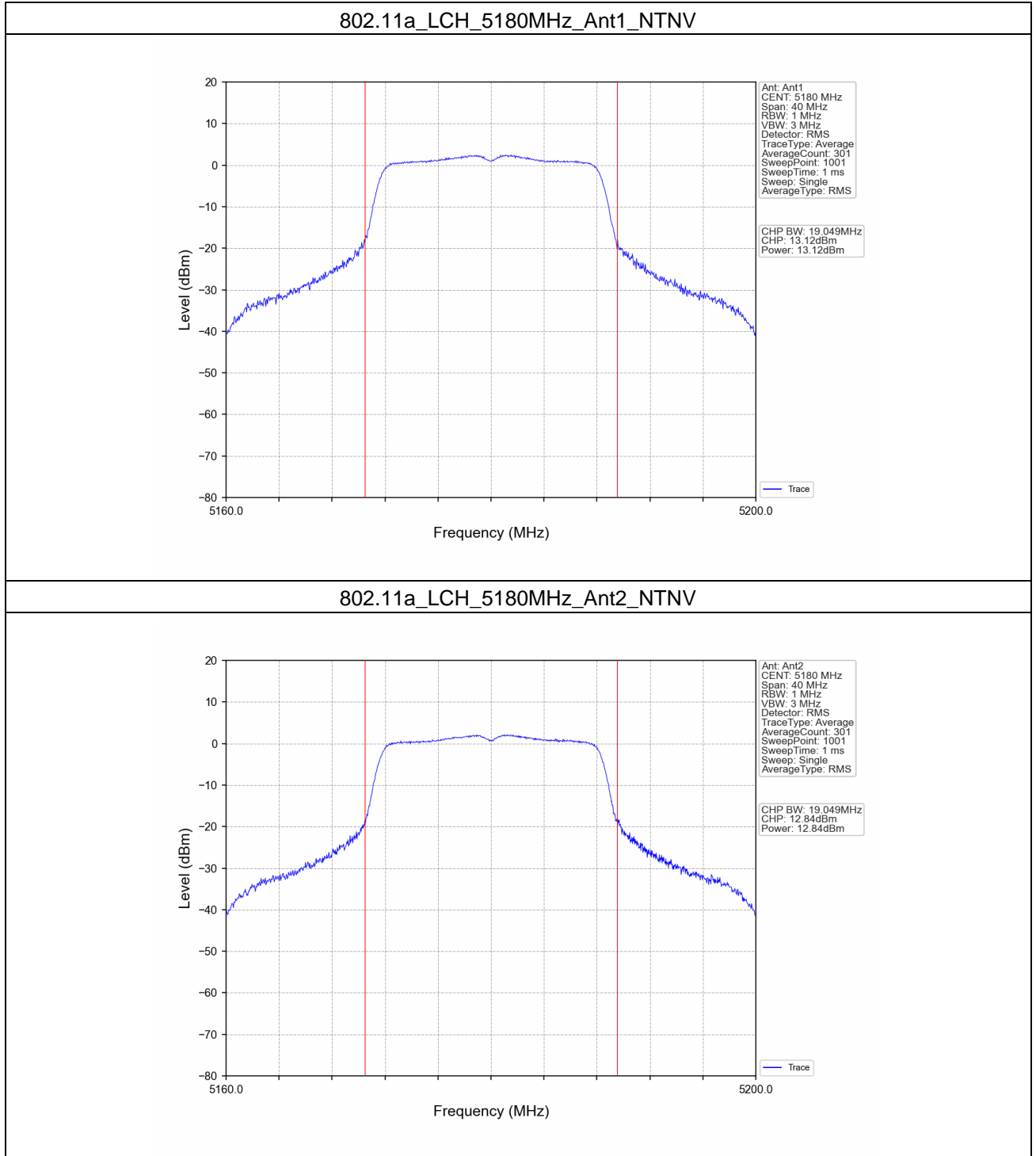
Report No.: SZCR230600190405

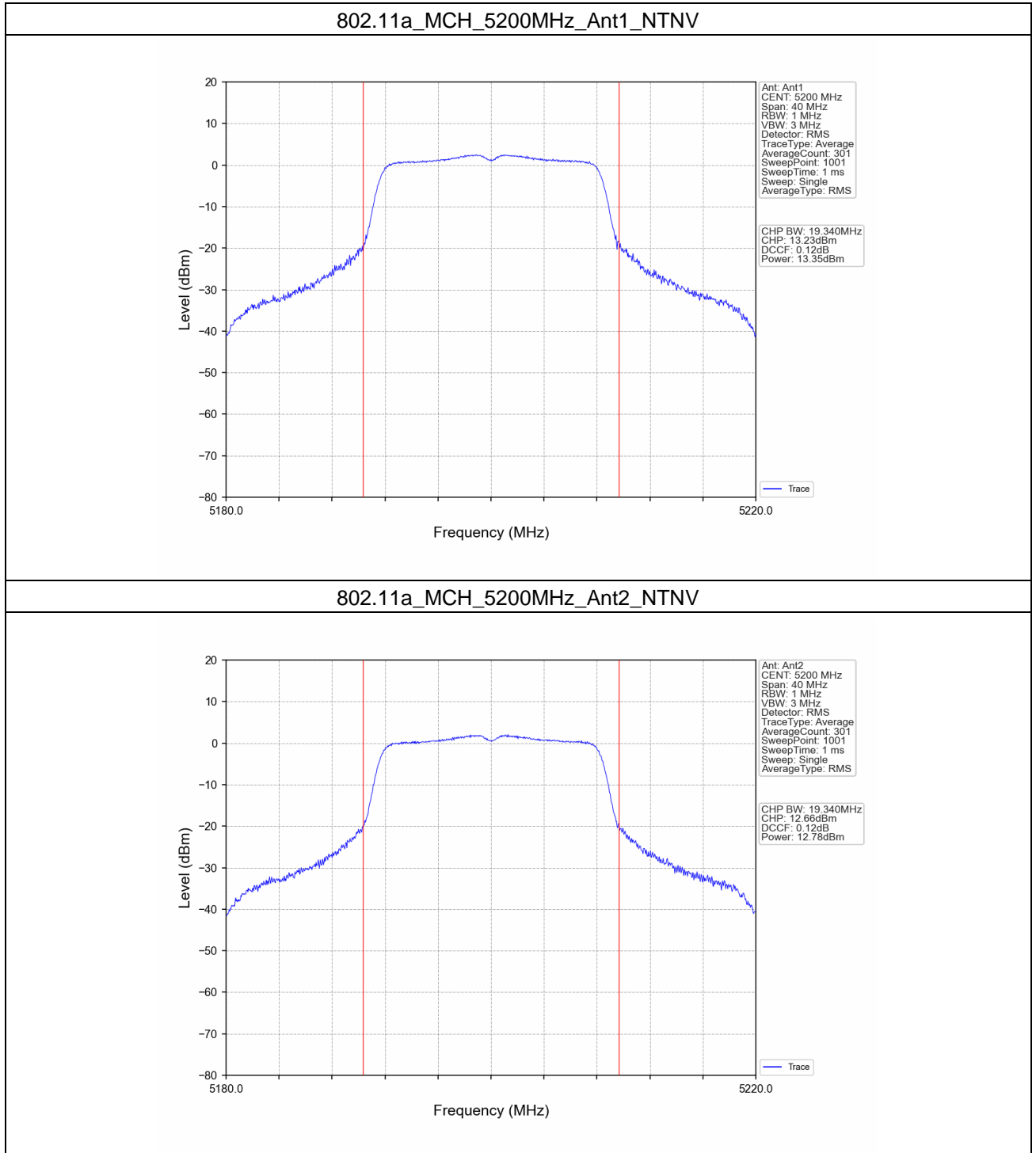
Page: 303 of 533

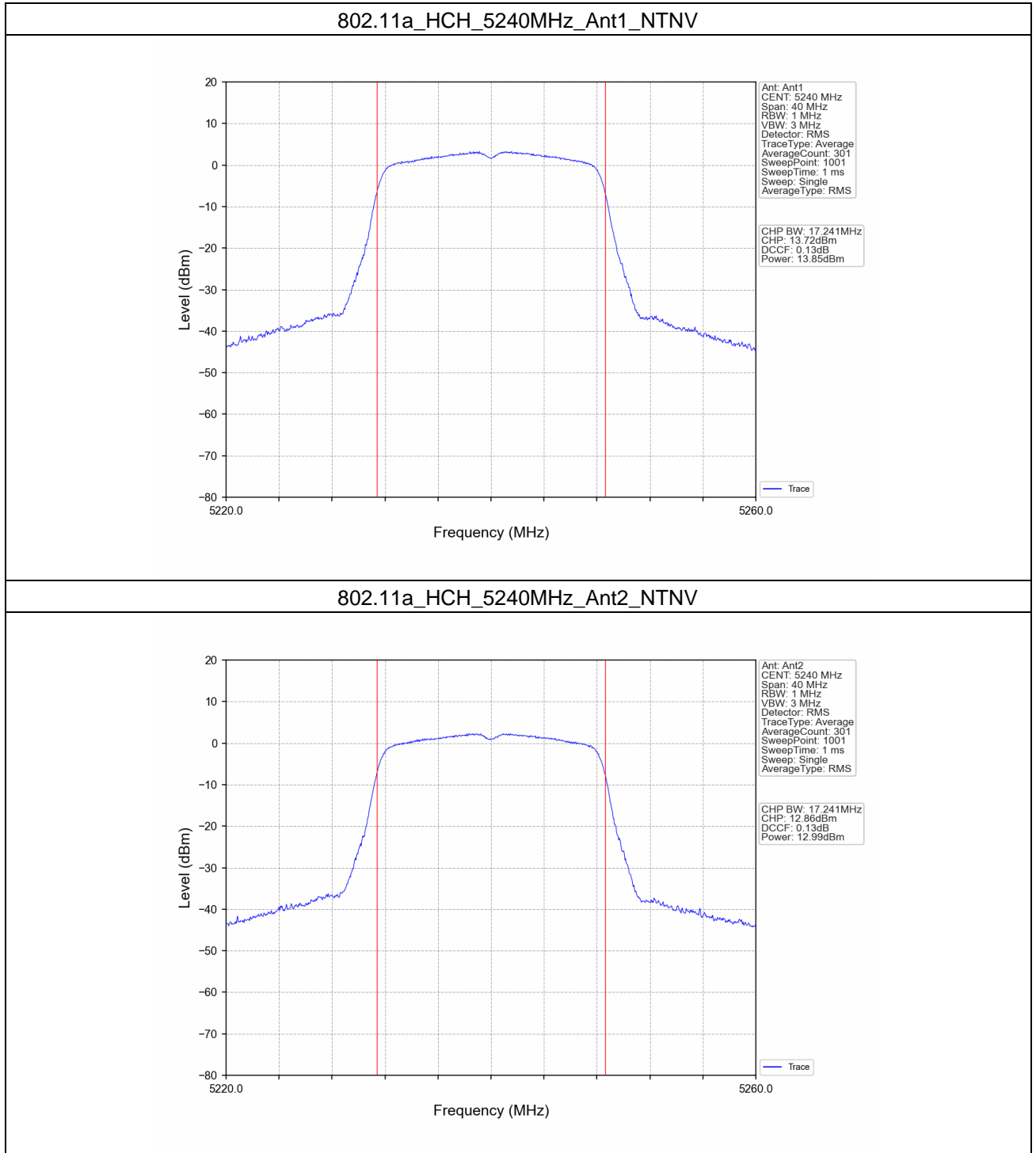
|   |      |      |       |      |      |      |      |         |      |
|---|------|------|-------|------|------|------|------|---------|------|
| 802.11ax<br>(HEW40)   | MIMO | 5190 | RU484 | Left | 3.69 | 3.18 | 6.45 | <=23.98 | Pass |
|   |      | 5230 | RU484 | Left | 4.62 | 4.42 | 7.53 | <=23.98 | Pass |
|   |      | 5270 | RU484 | Left | 3.90 | 3.70 | 6.81 | <=23.98 | Pass |
|   |      | 5310 | RU484 | Left | 3.88 | 3.89 | 6.90 | <=23.98 | Pass |
|   |      | 5510 | RU484 | Left | 5.01 | 3.48 | 7.32 | <=23.98 | Pass |
|   |      | 5550 | RU484 | Left | 3.39 | 2.02 | 5.77 | <=23.98 | Pass |
|   |      | 5670 | RU484 | Left | 1.68 | 1.73 | 4.72 | <=23.98 | Pass |
|   |      | 5755 | RU484 | Left | 0.65 | 1.10 | 3.89 | <=30    | Pass |
|   |      | 5795 | RU484 | Left | 0.44 | 1.10 | 3.79 | <=30    | Pass |
| 802.11ax<br>(HEW80)   | MIMO | 5210 | RU996 | Left | 1.29 | 1.01 | 4.16 | <=23.98 | Pass |
|   |      | 5290 | RU996 | Left | 2.25 | 1.99 | 5.13 | <=23.98 | Pass |
|   |      | 5530 | RU996 | Left | 2.77 | 1.03 | 5.00 | <=23.98 | Pass |
|   |      | 5610 | RU996 | Left | 2.93 | 2.63 | 5.79 | <=23.98 | Pass |
|   |      | 5775 | RU996 | Left | 0.52 | 0.77 | 3.66 | <=30    | Pass |
| <p>Note1: Antenna Gain: Ant1: 2.85dBi; Ant2: 2.92dBi;<br/>           Note2: Directional Gain: 5.89dBi</p> |      |      |       |      |      |      |      |         |      |

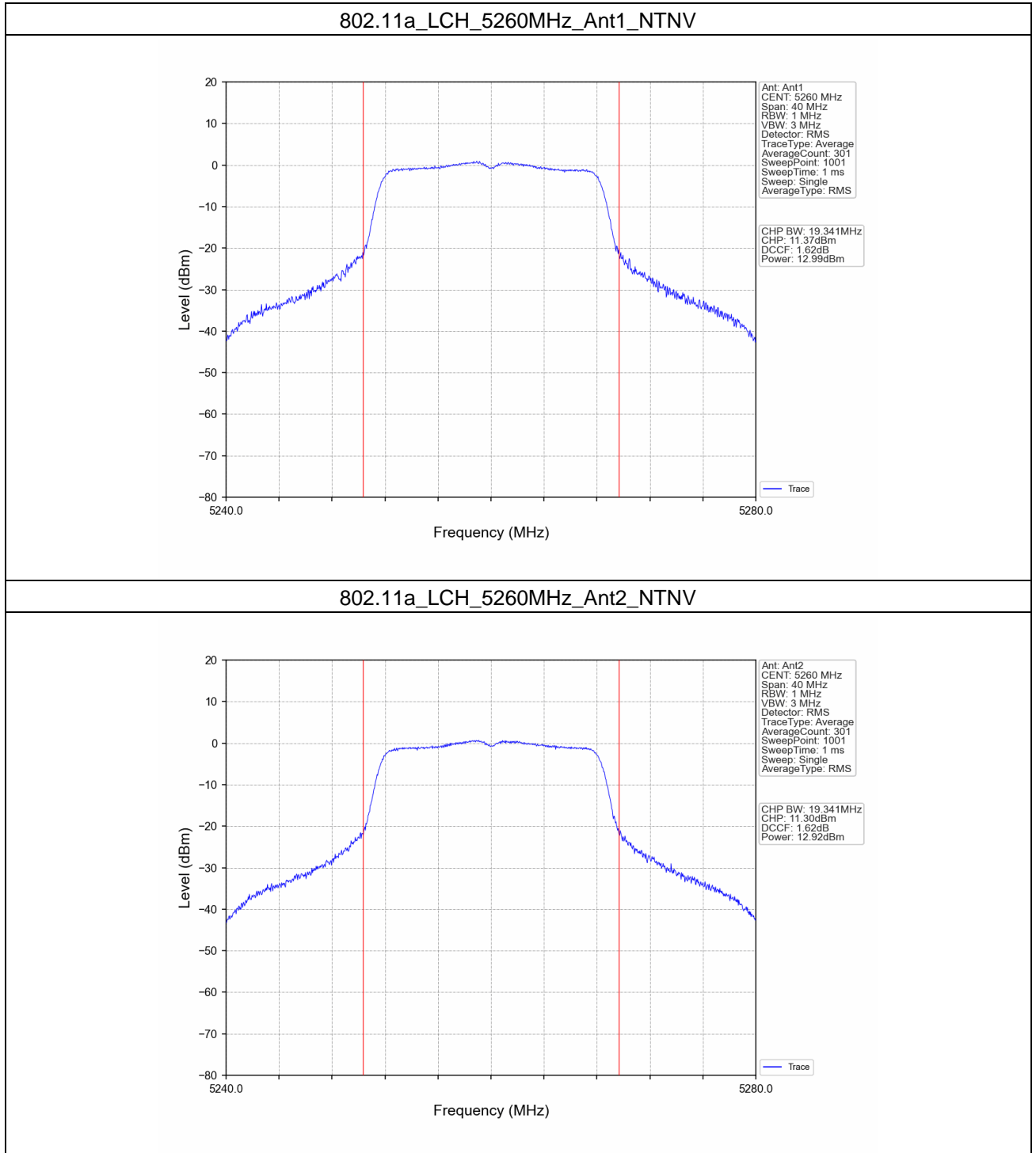


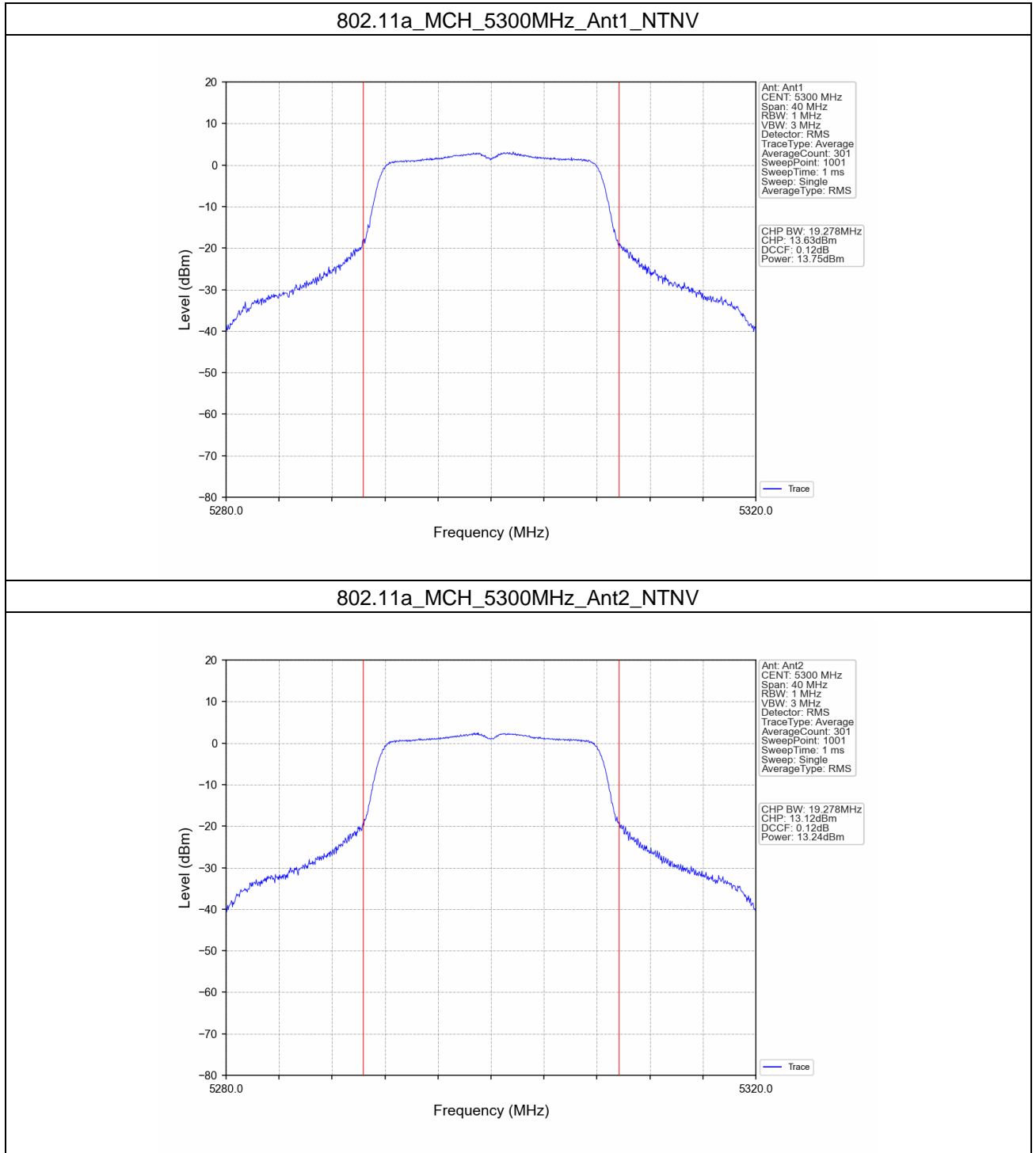
### 3.1.2 Test Graph



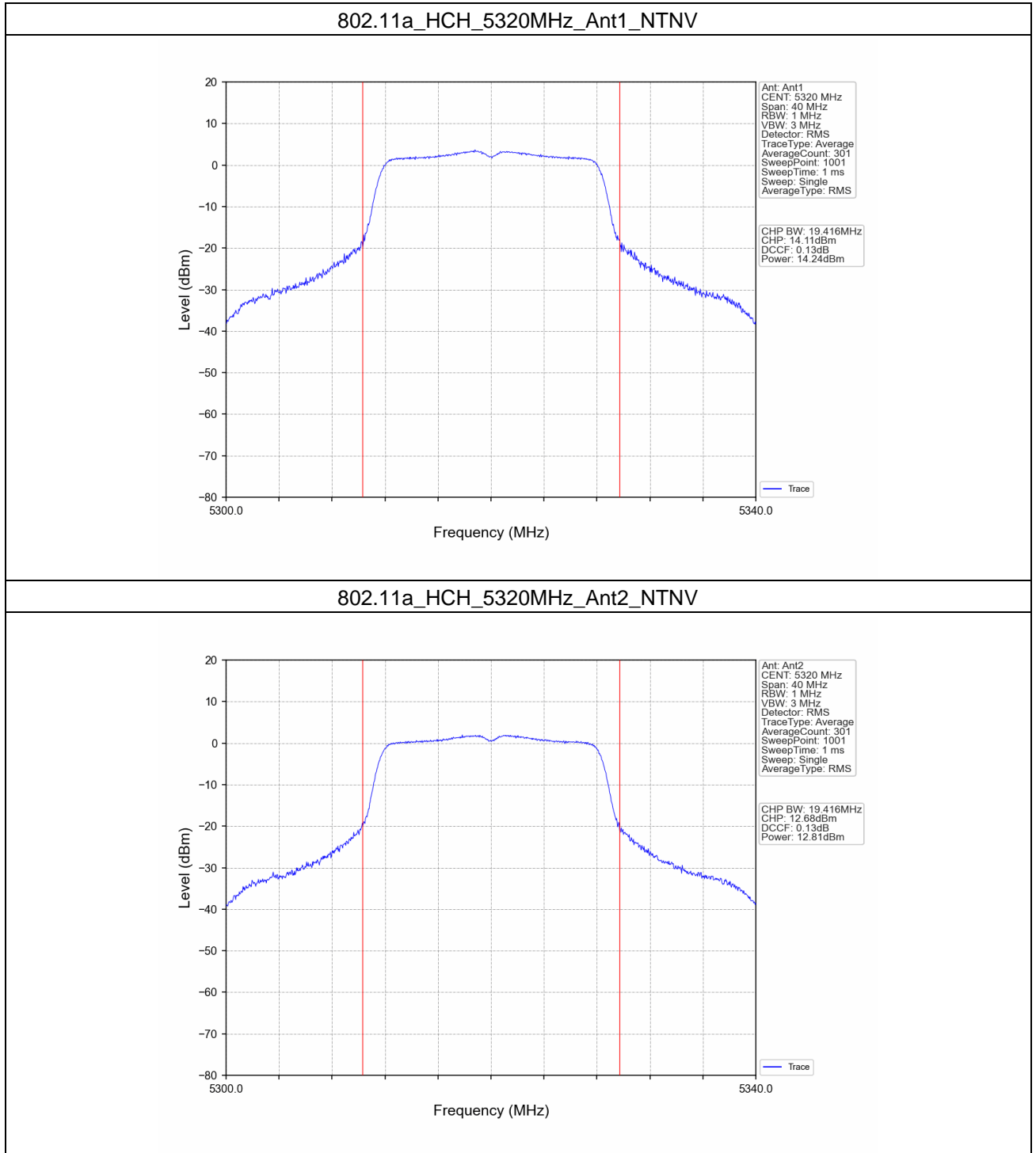


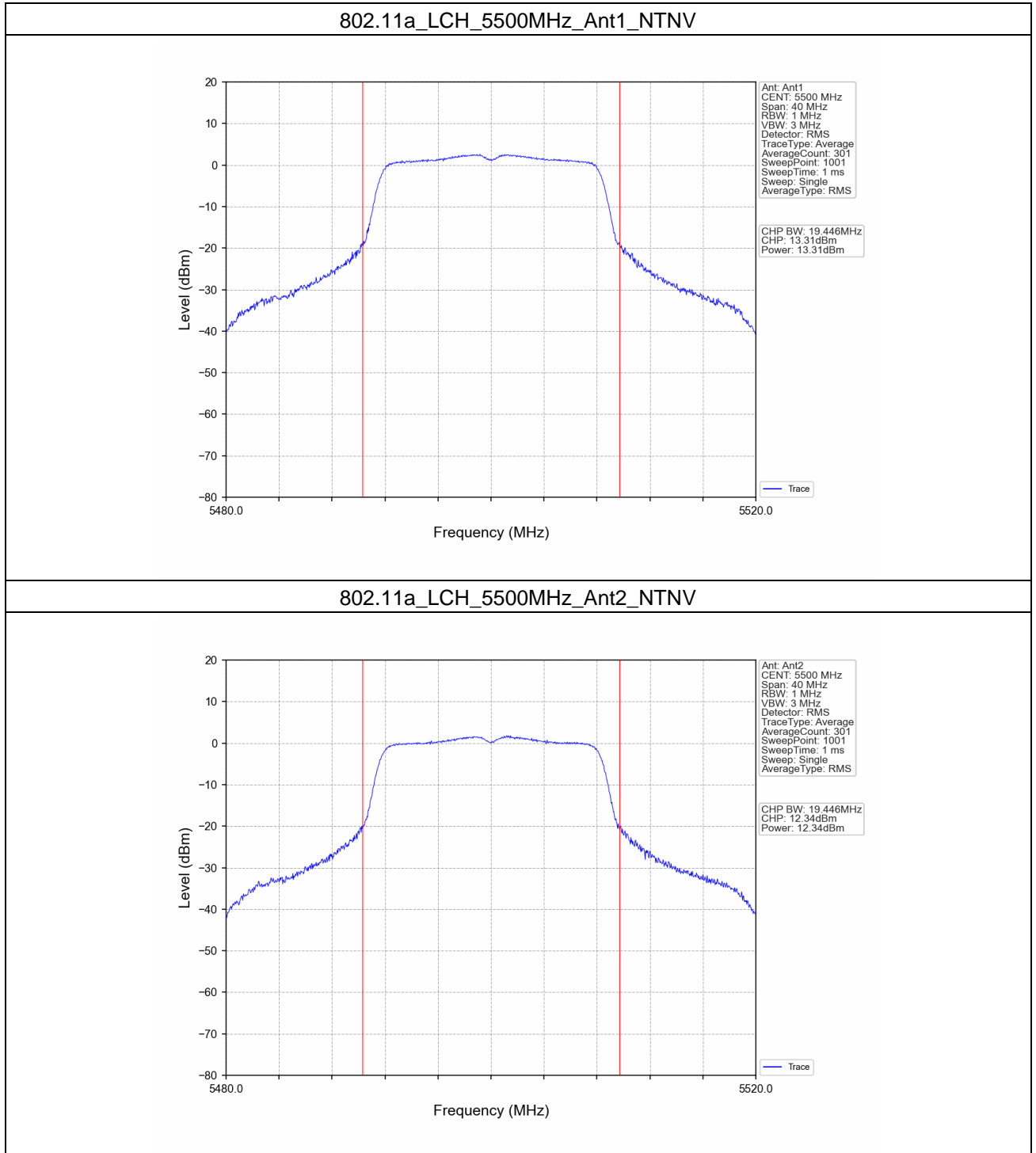


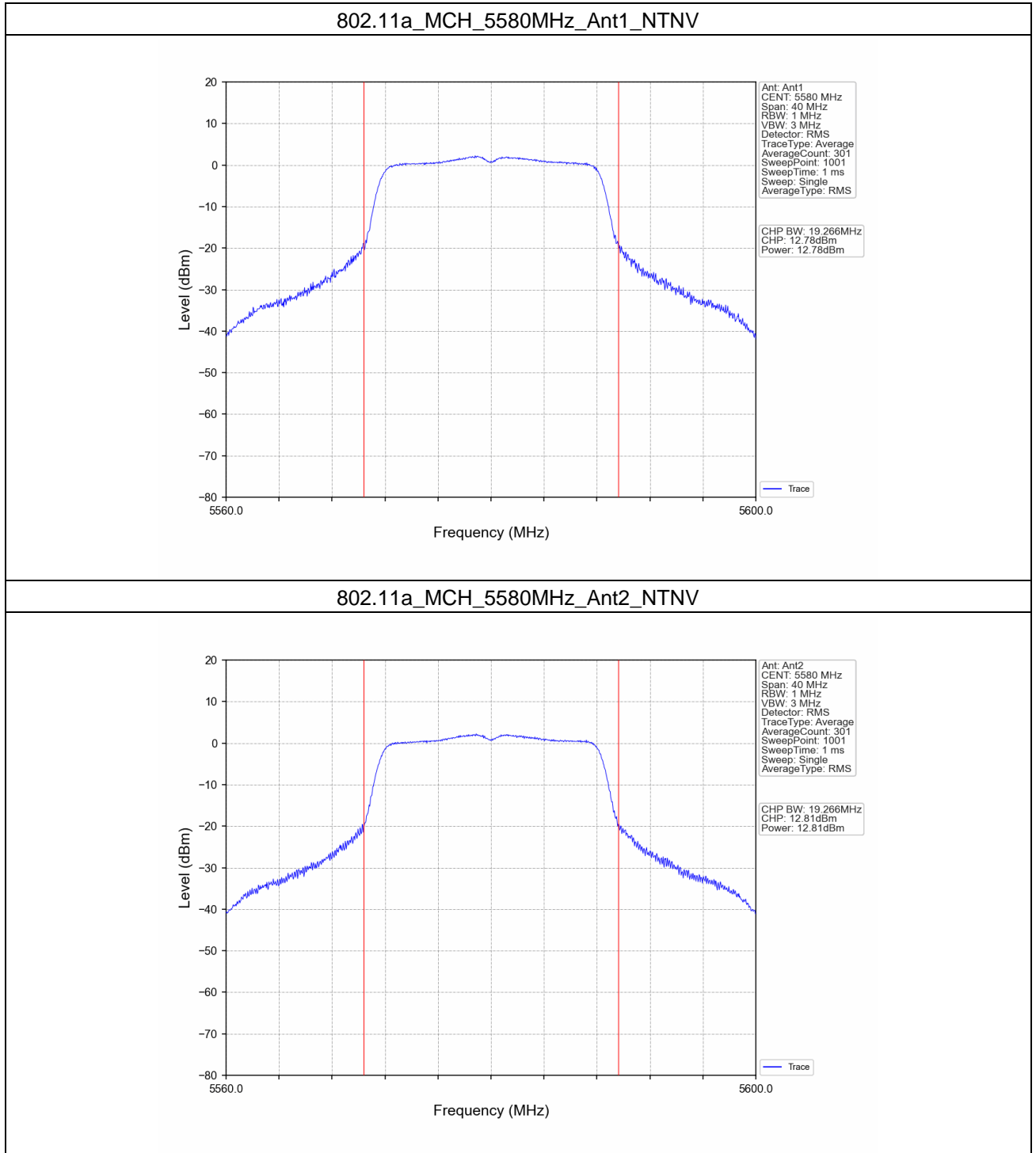


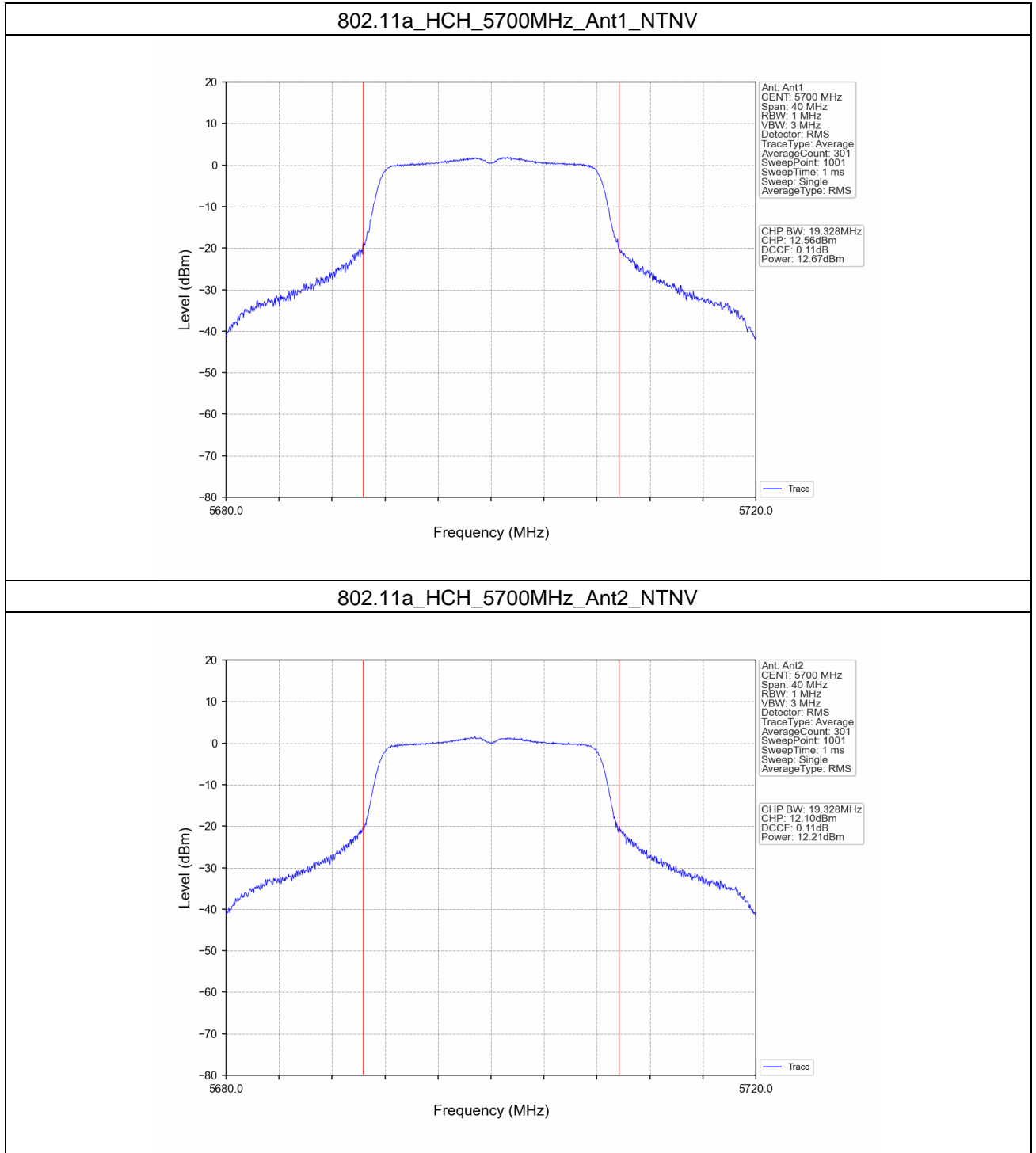


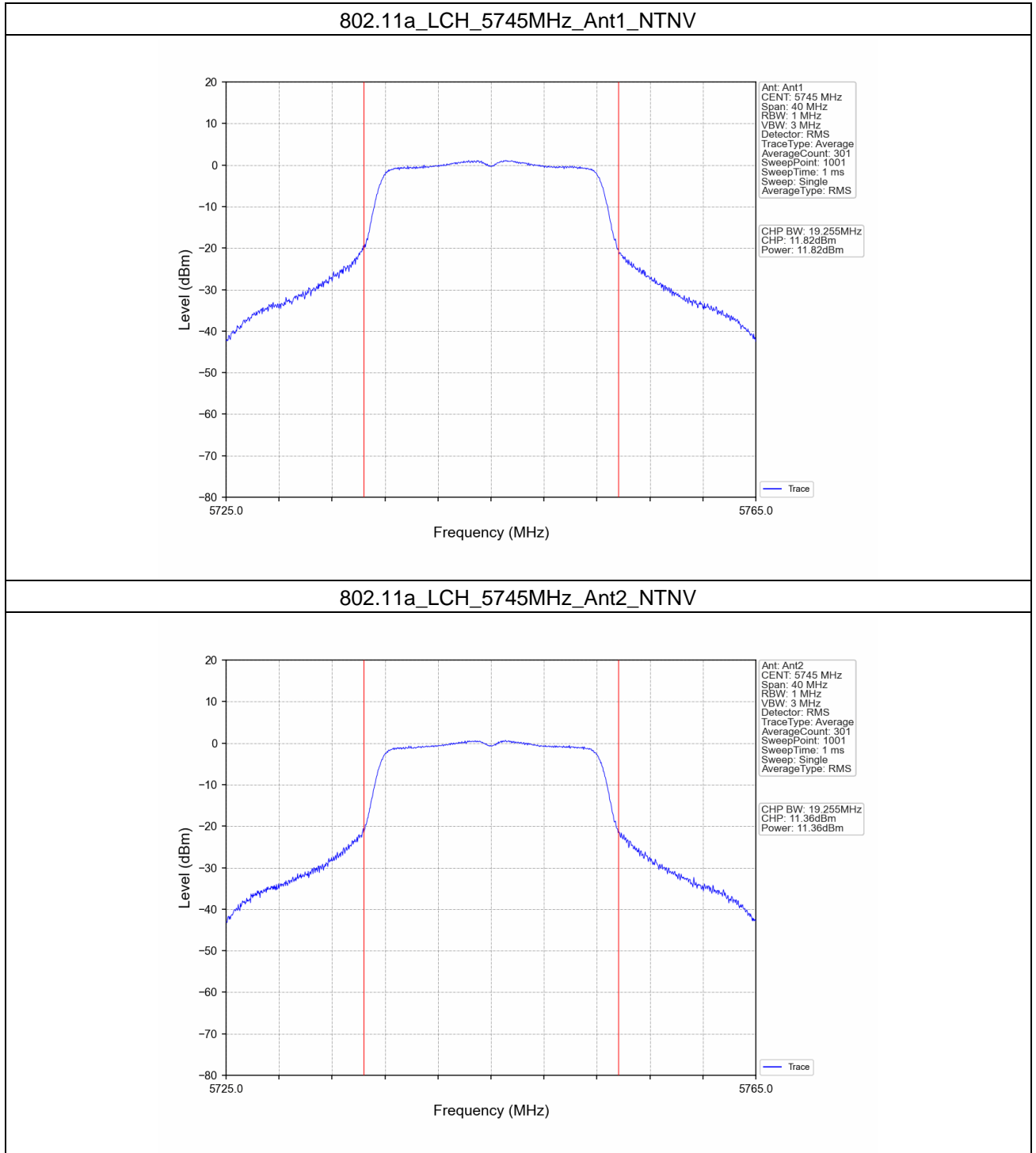


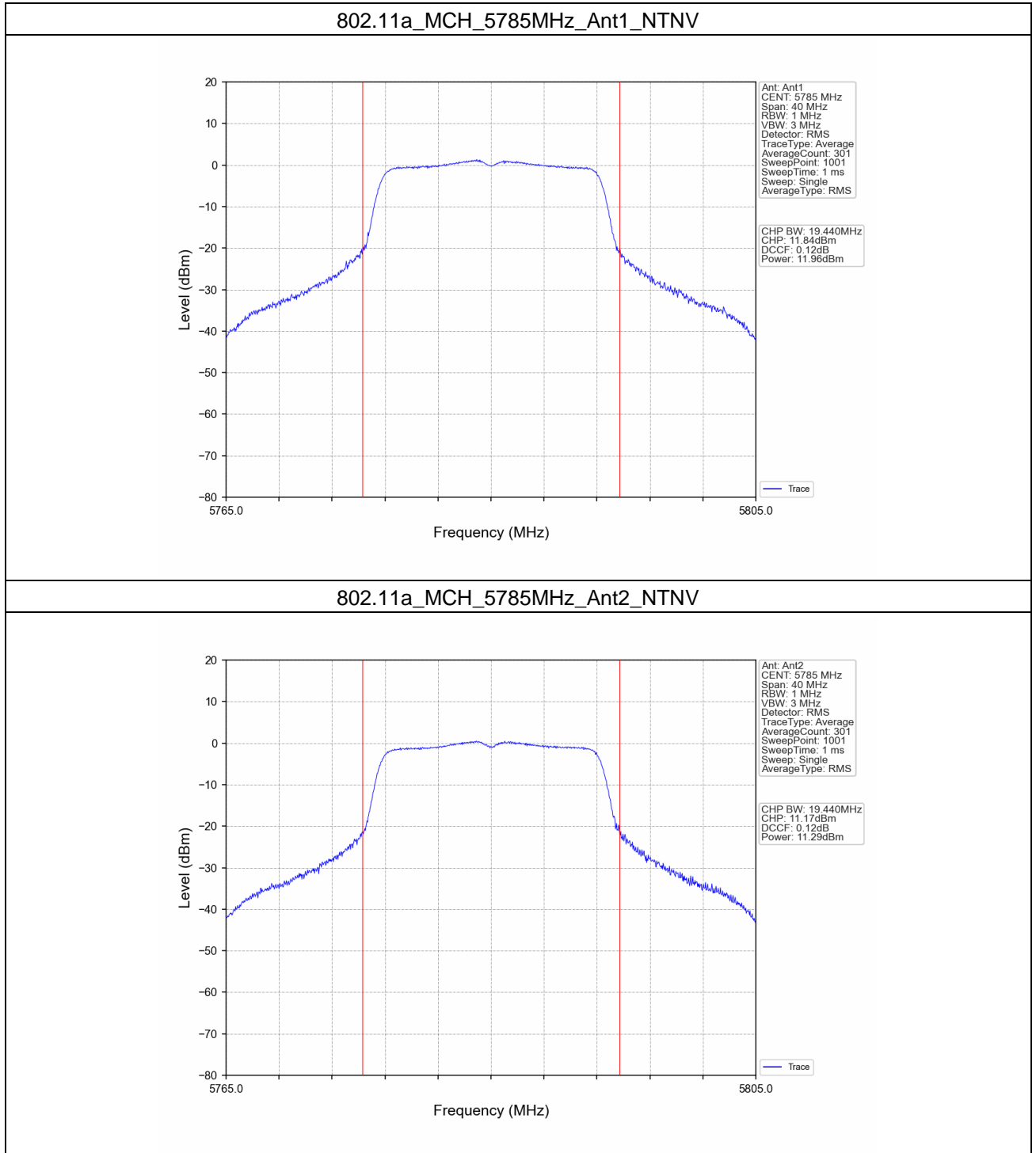






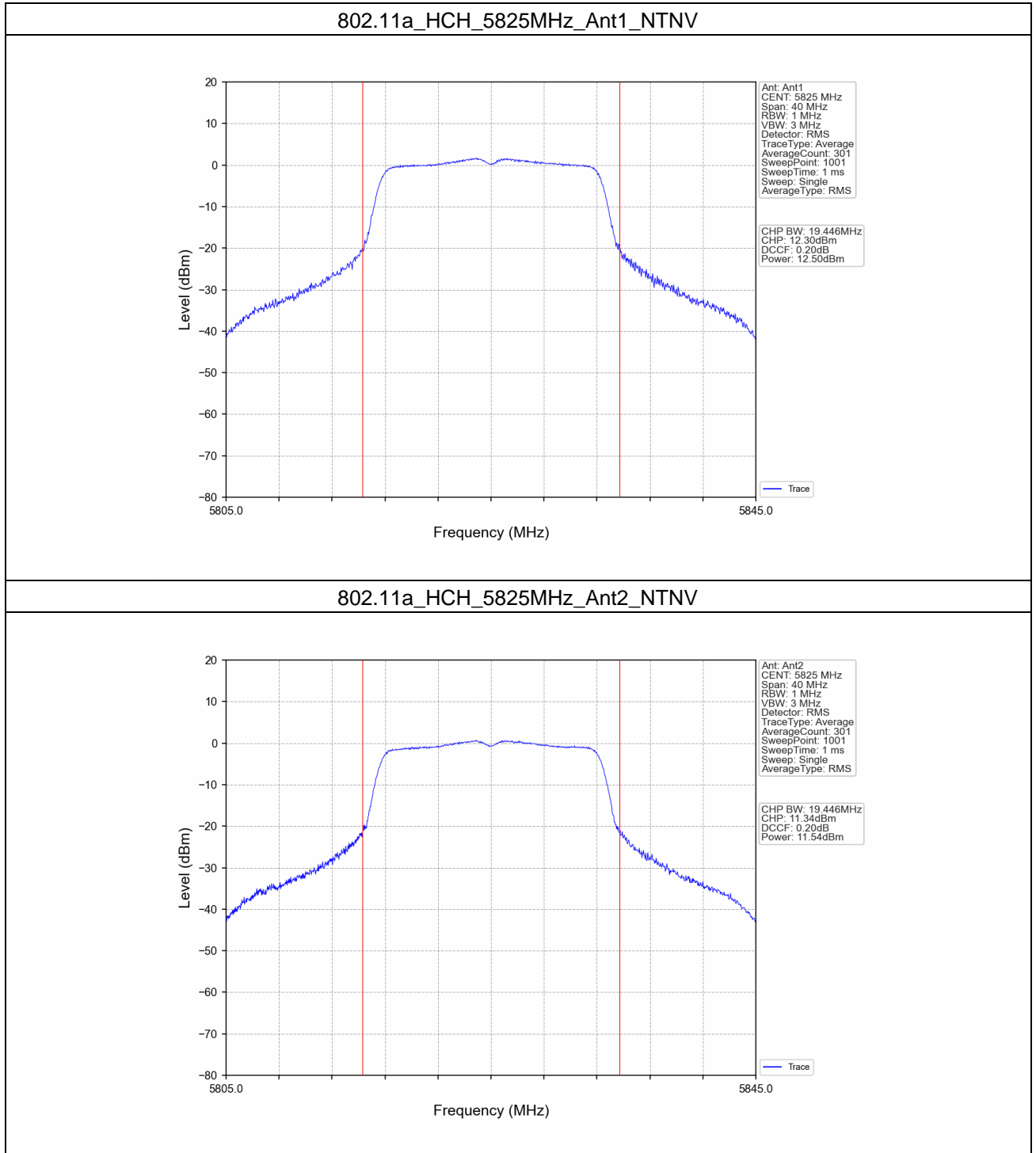


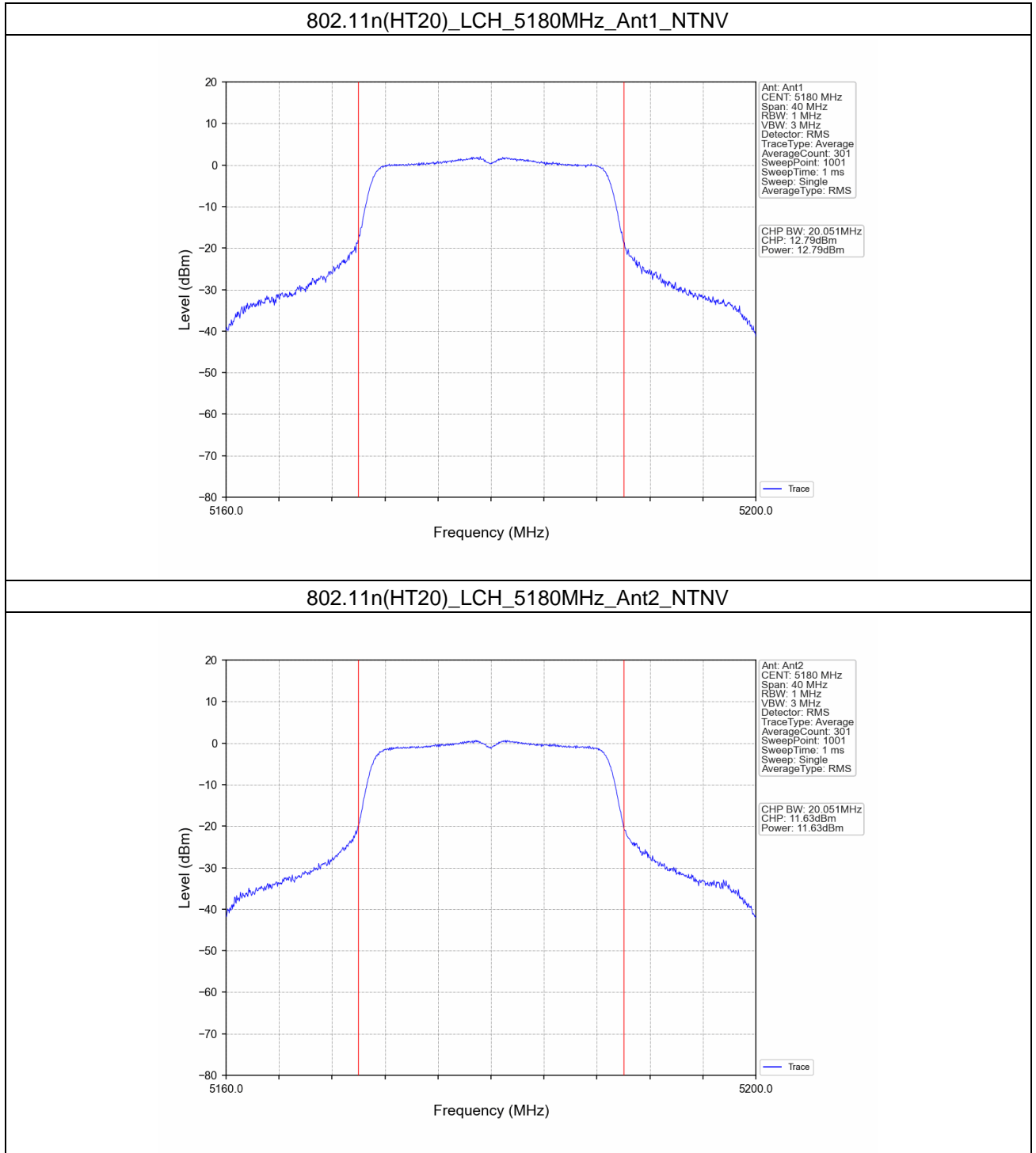




Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

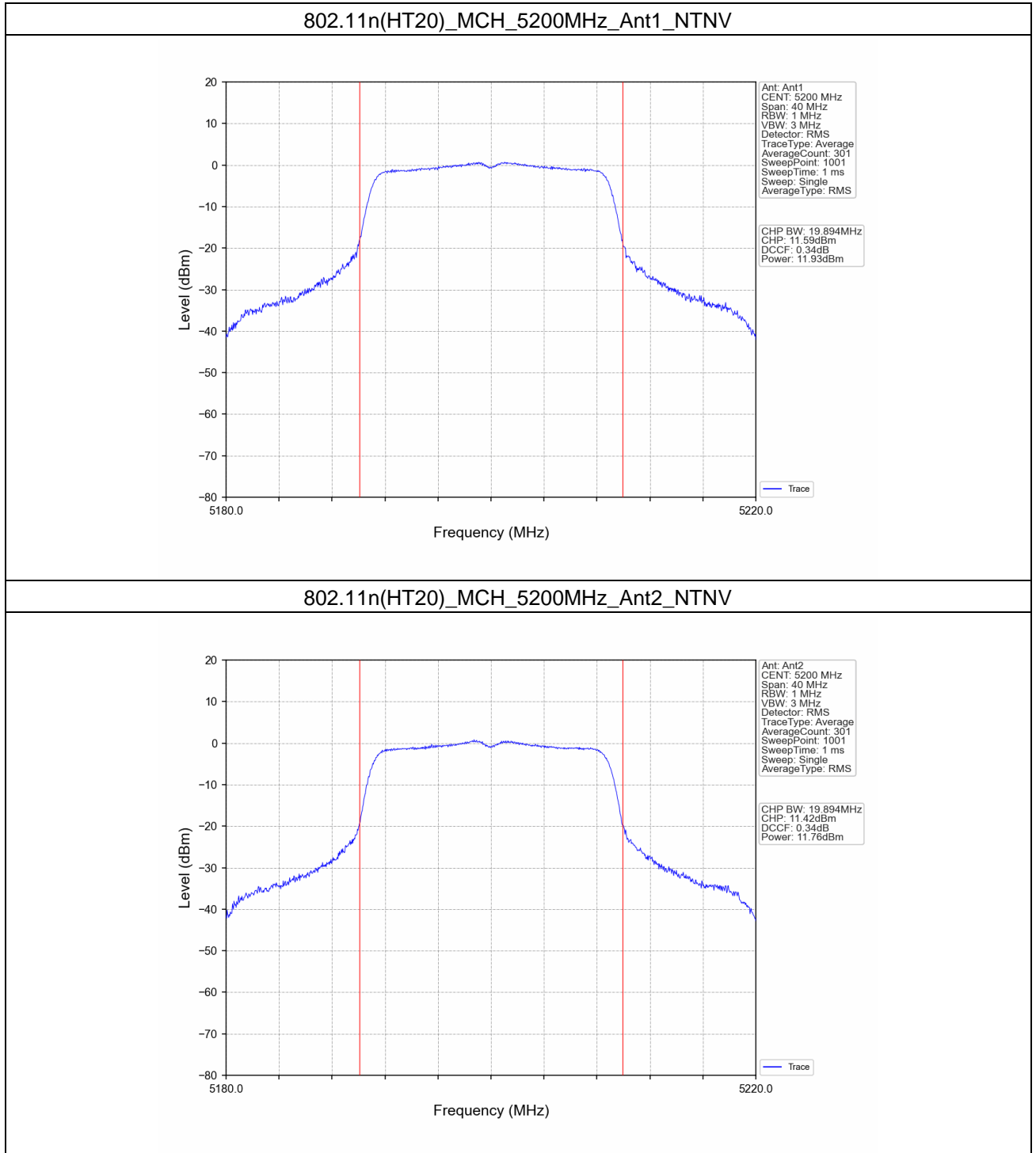


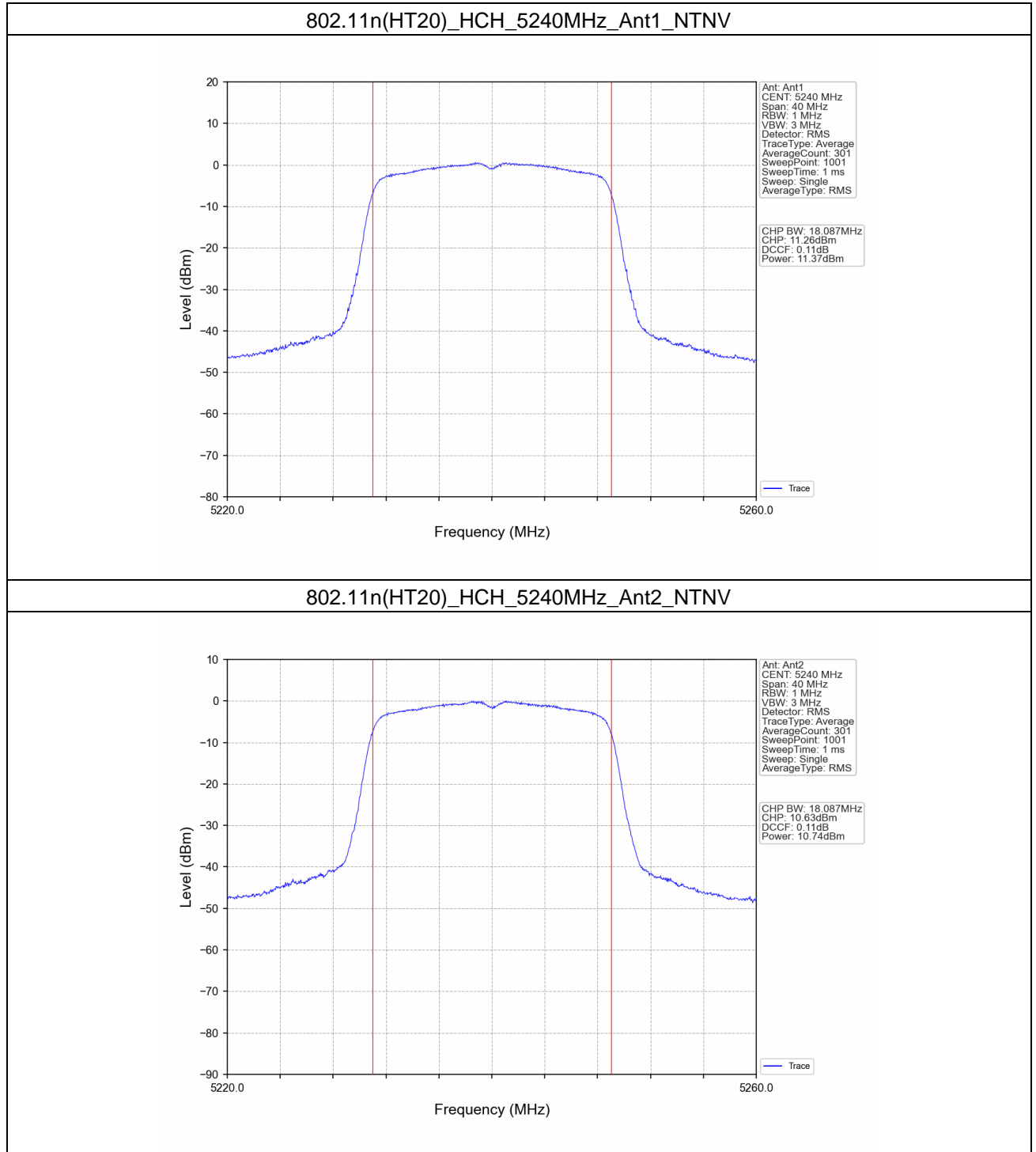


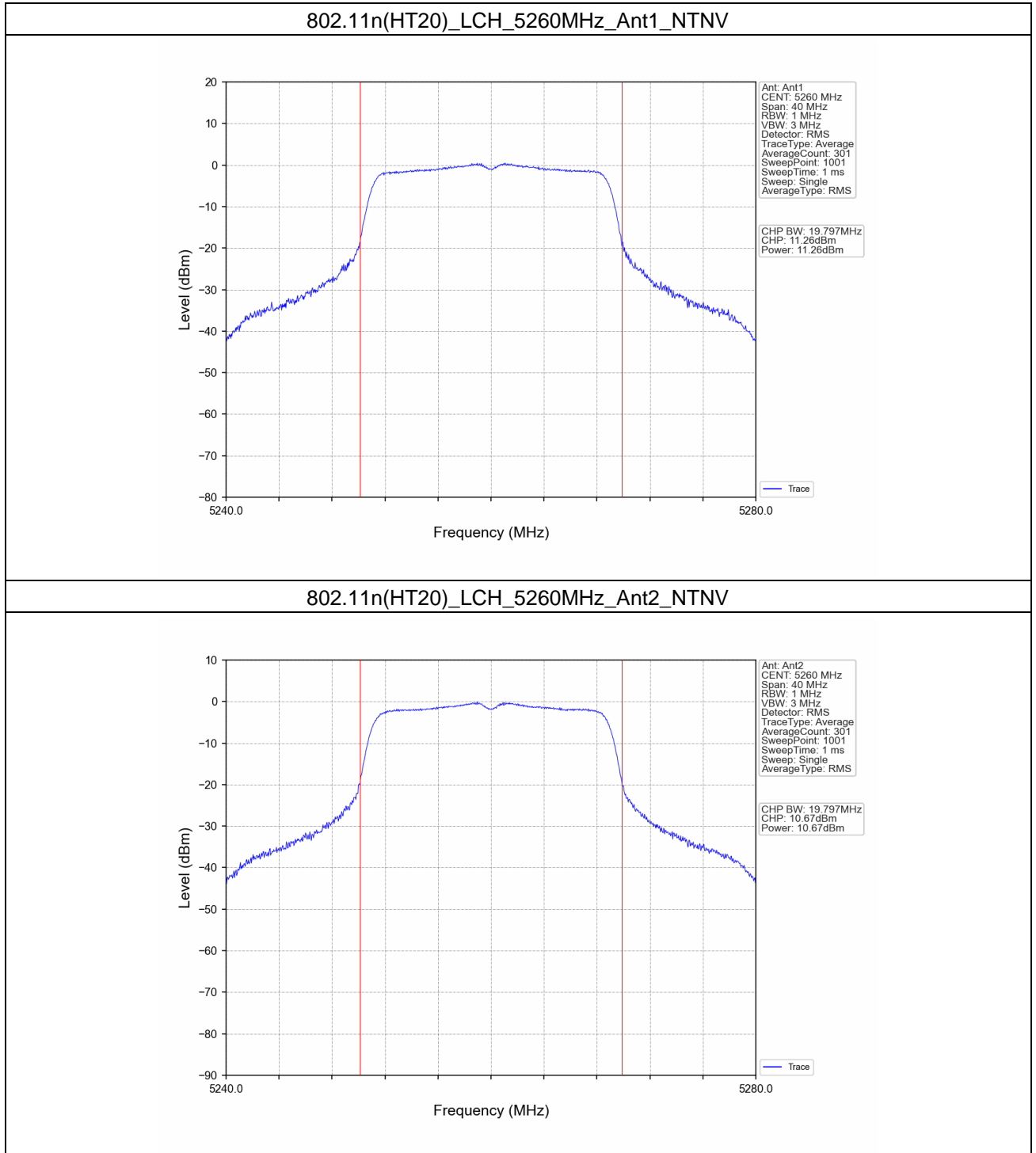
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

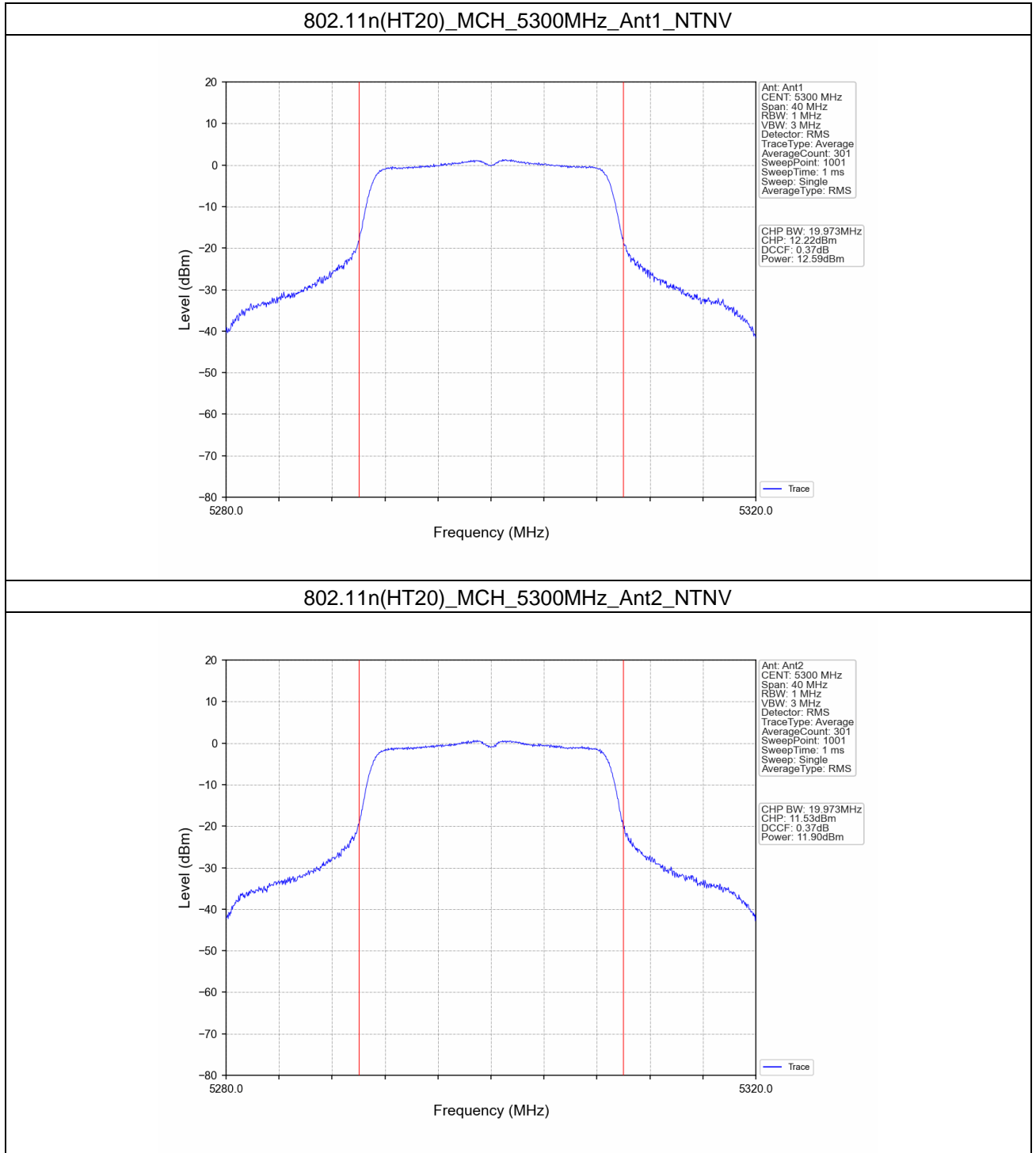
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com

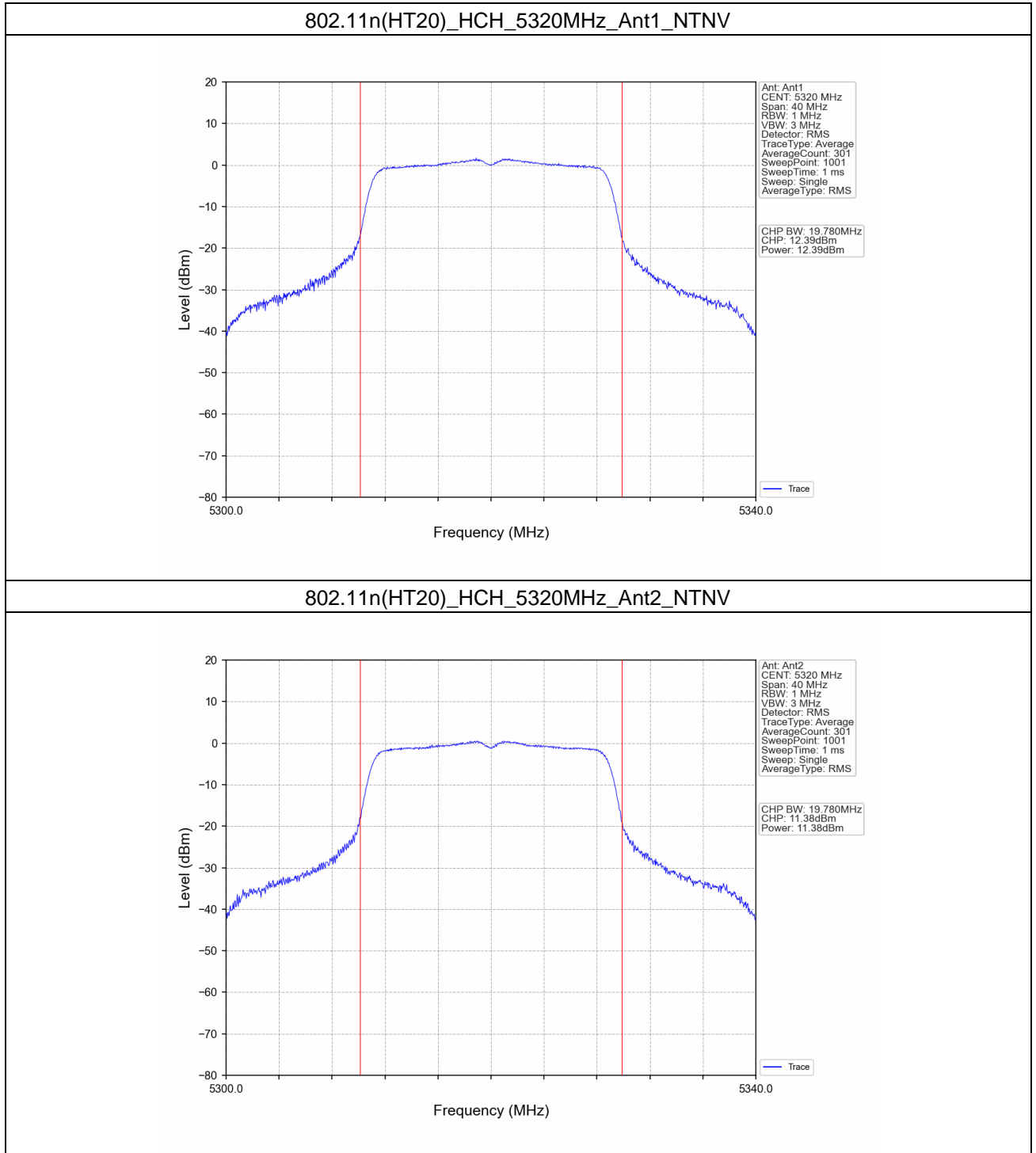






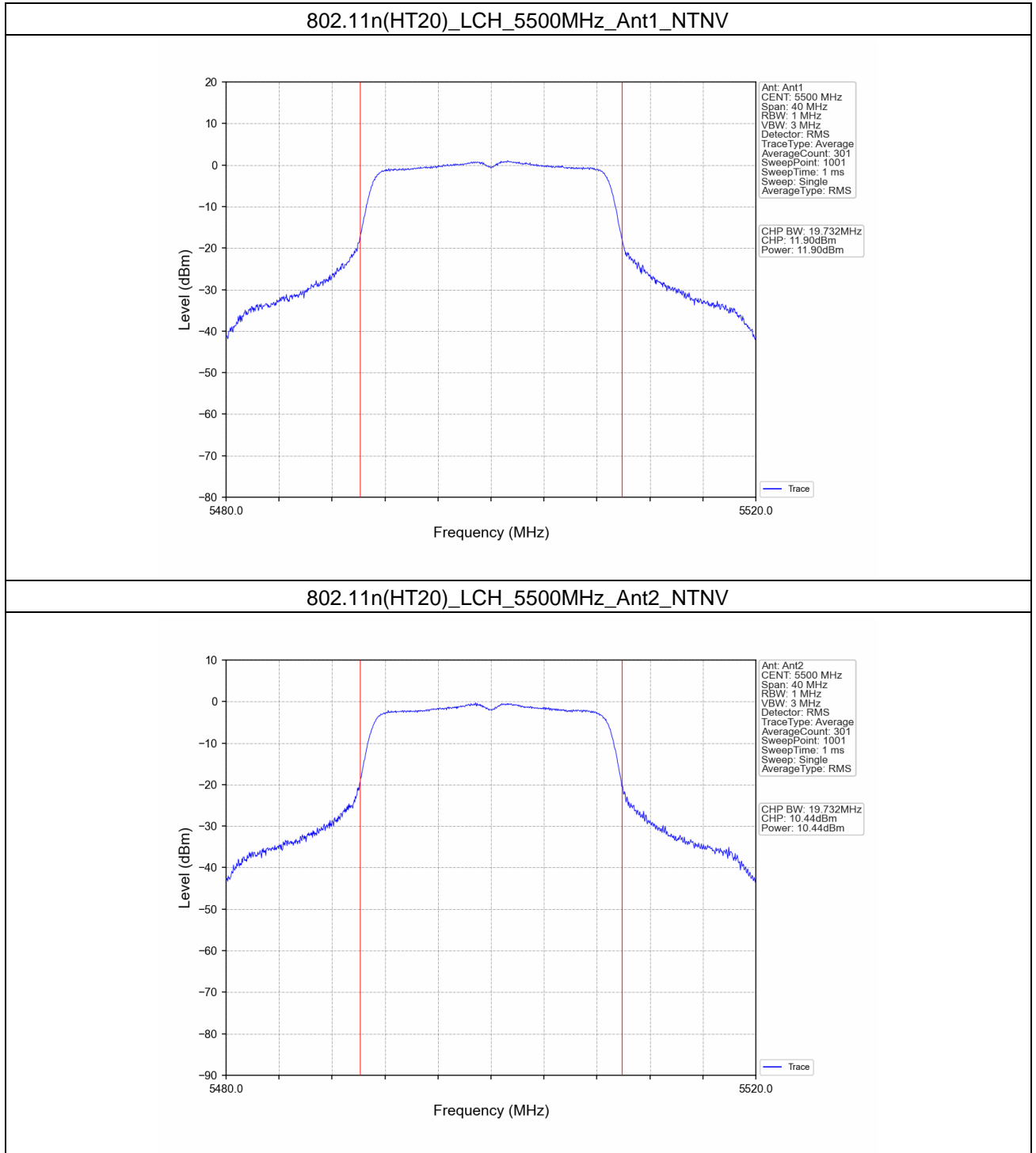






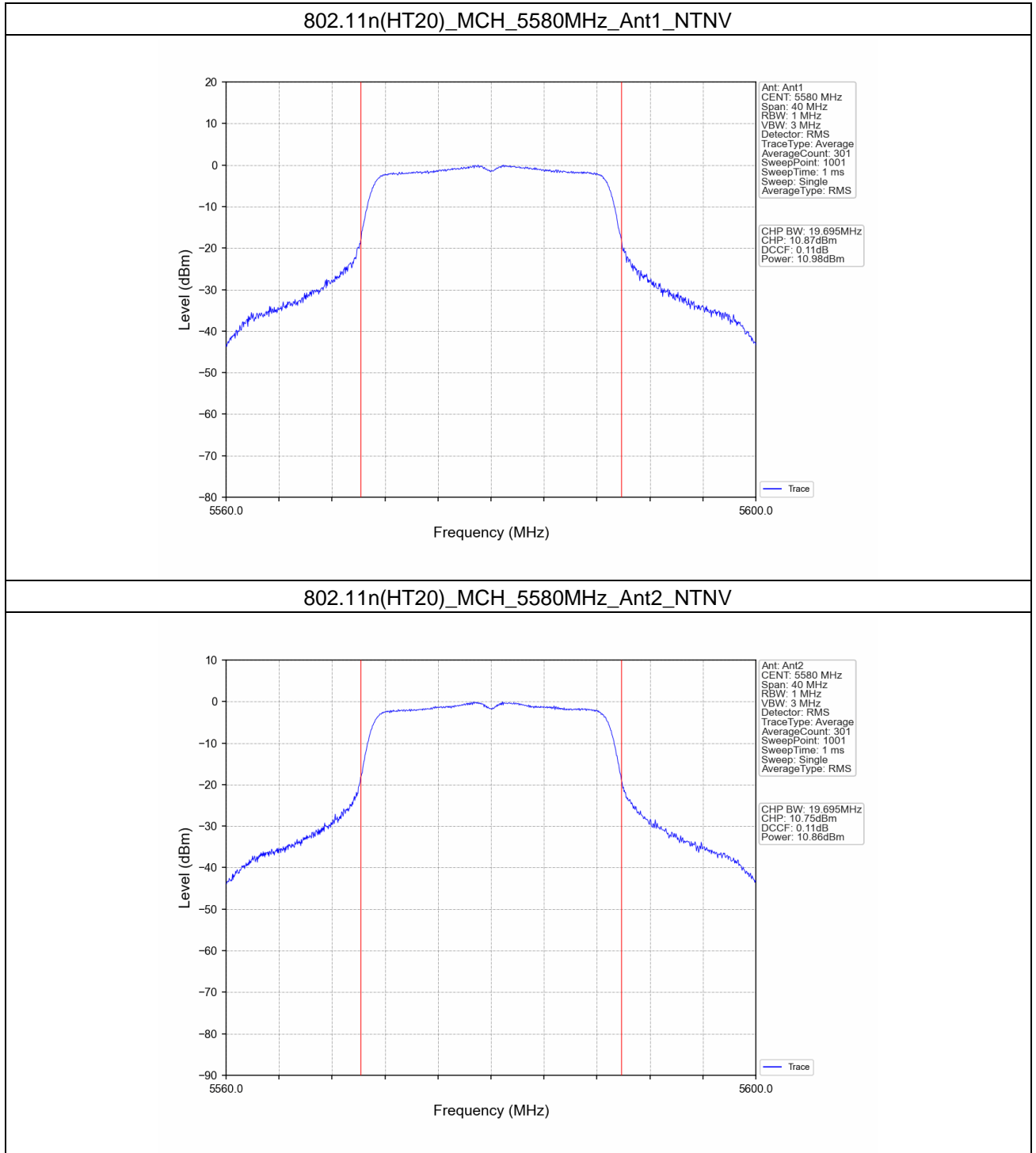
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**



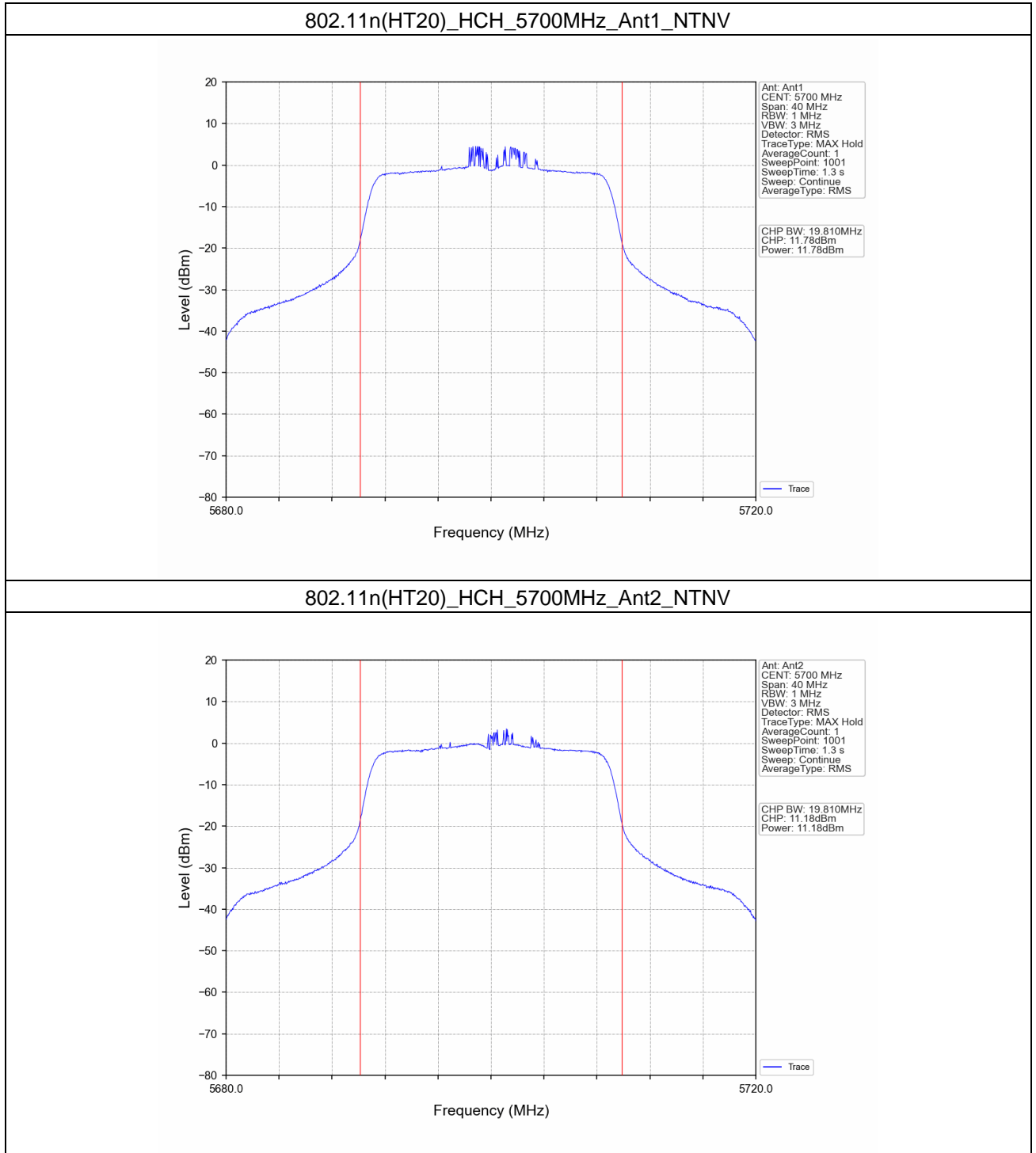
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

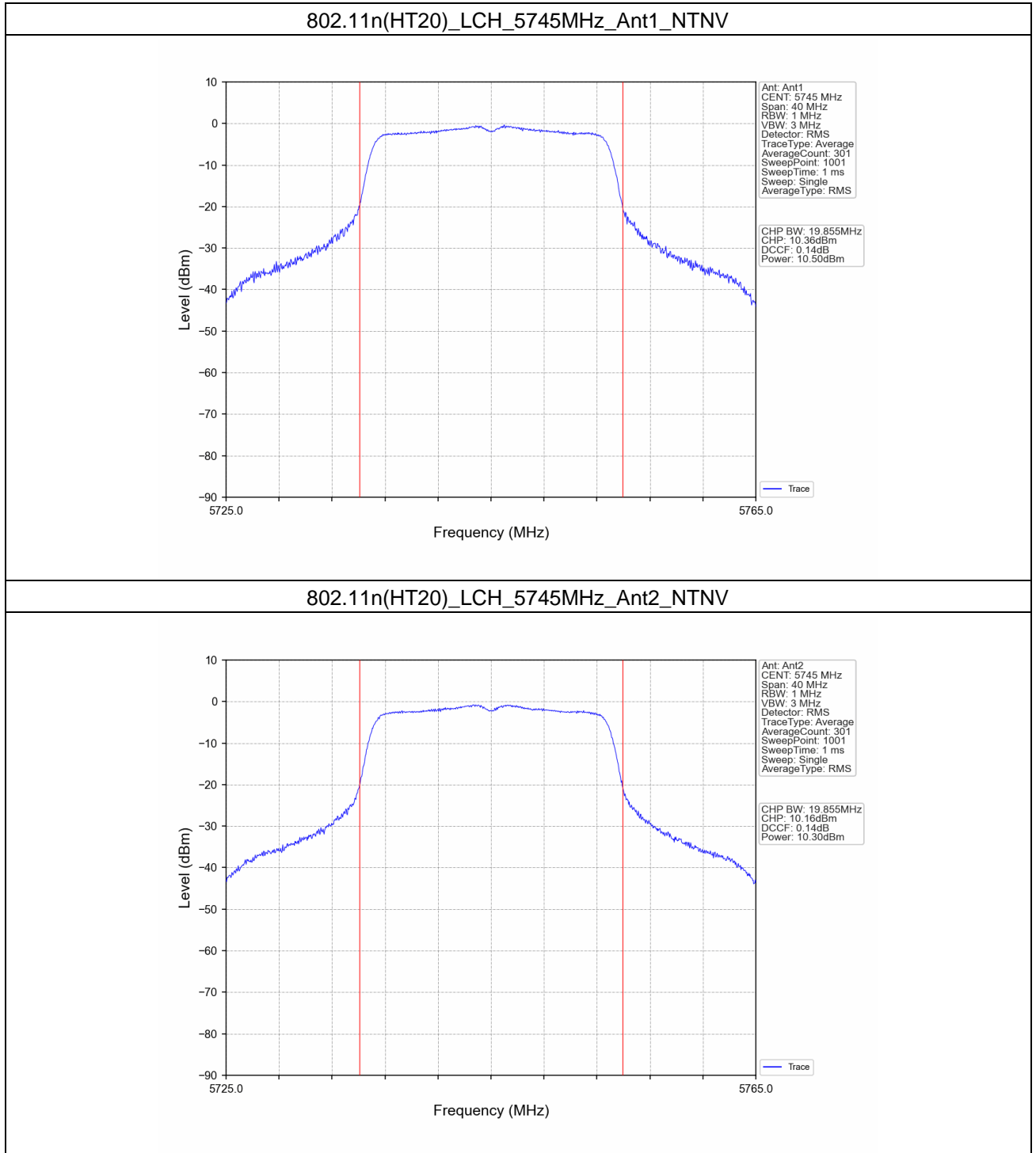
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

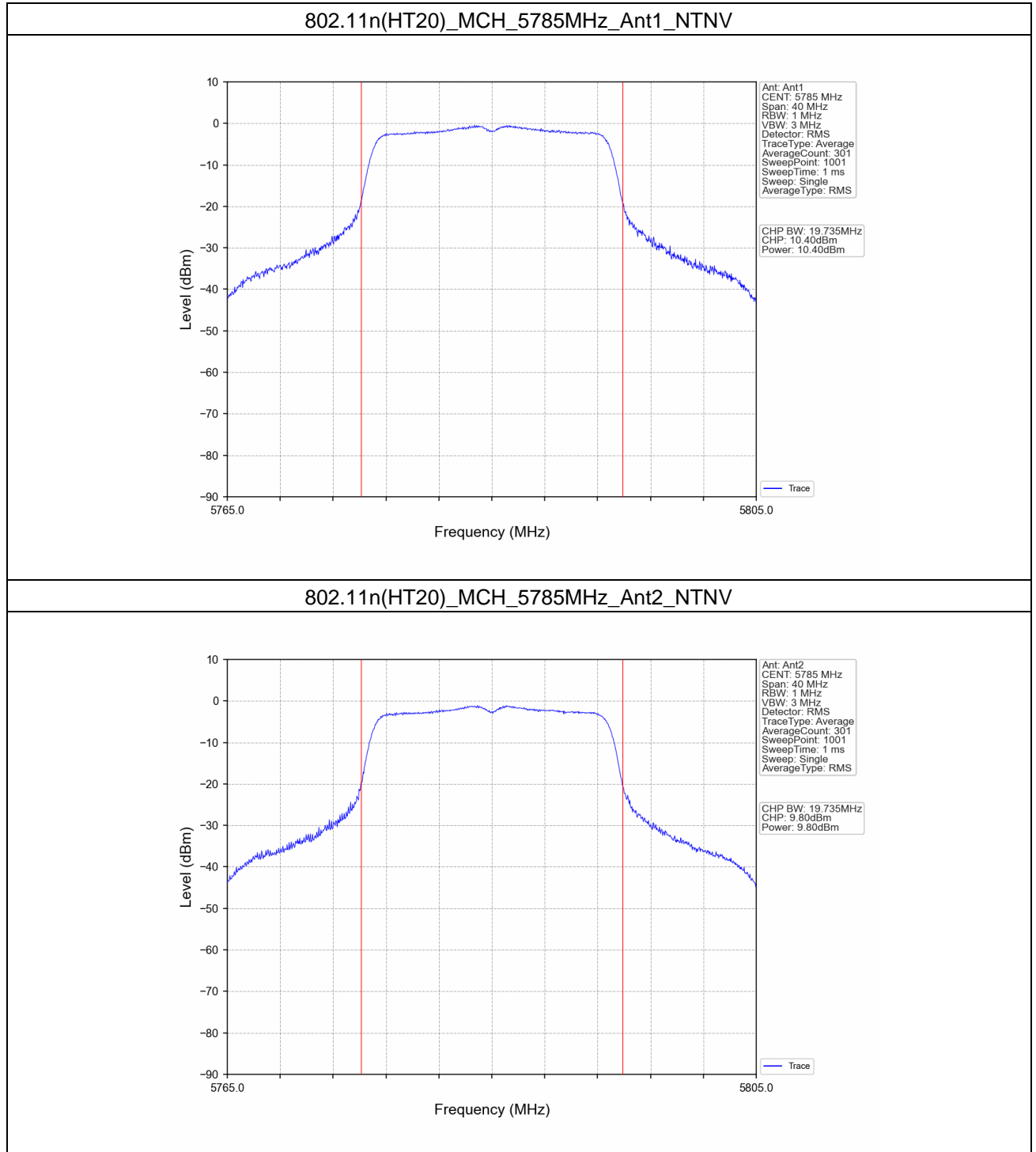


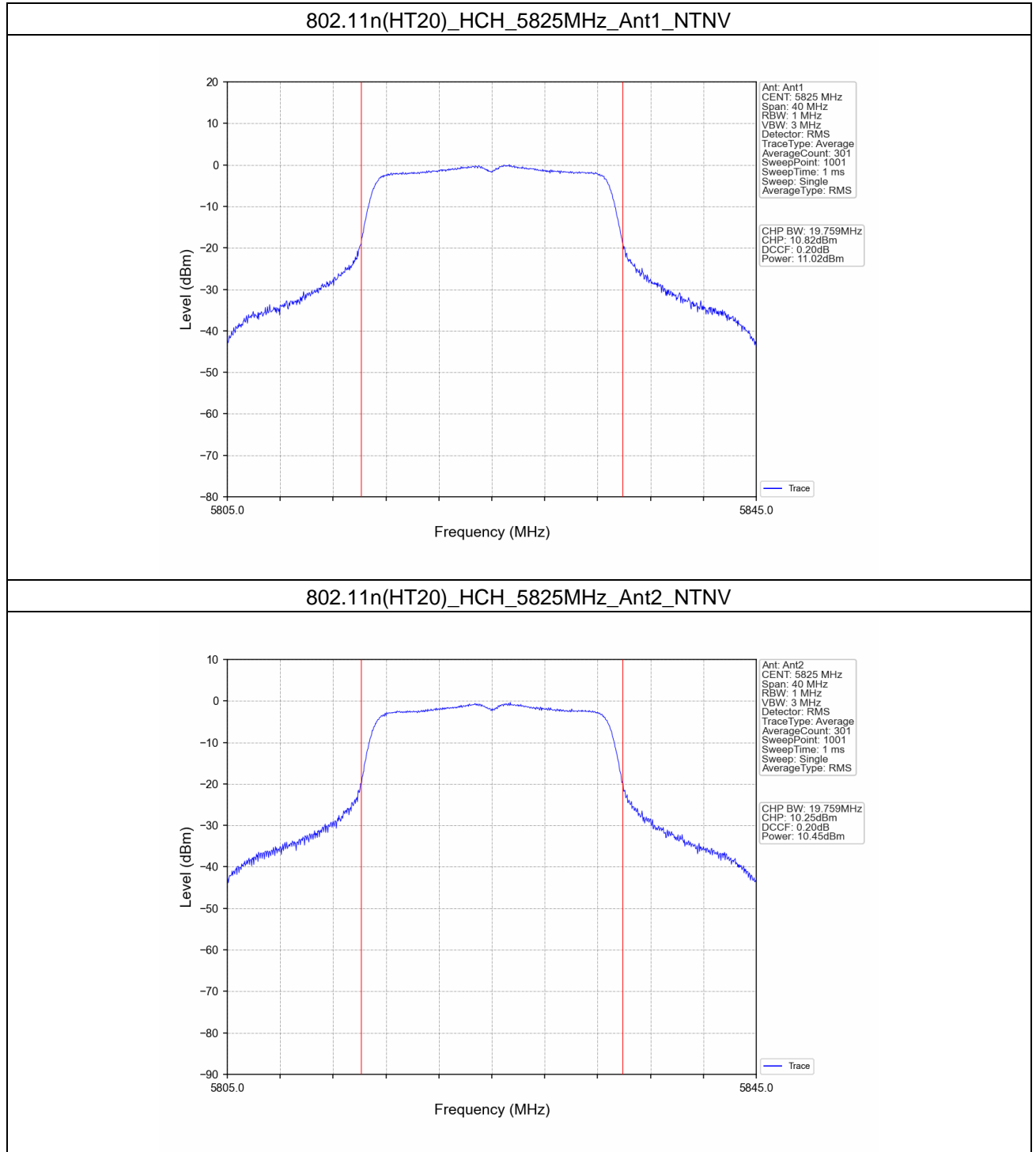
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

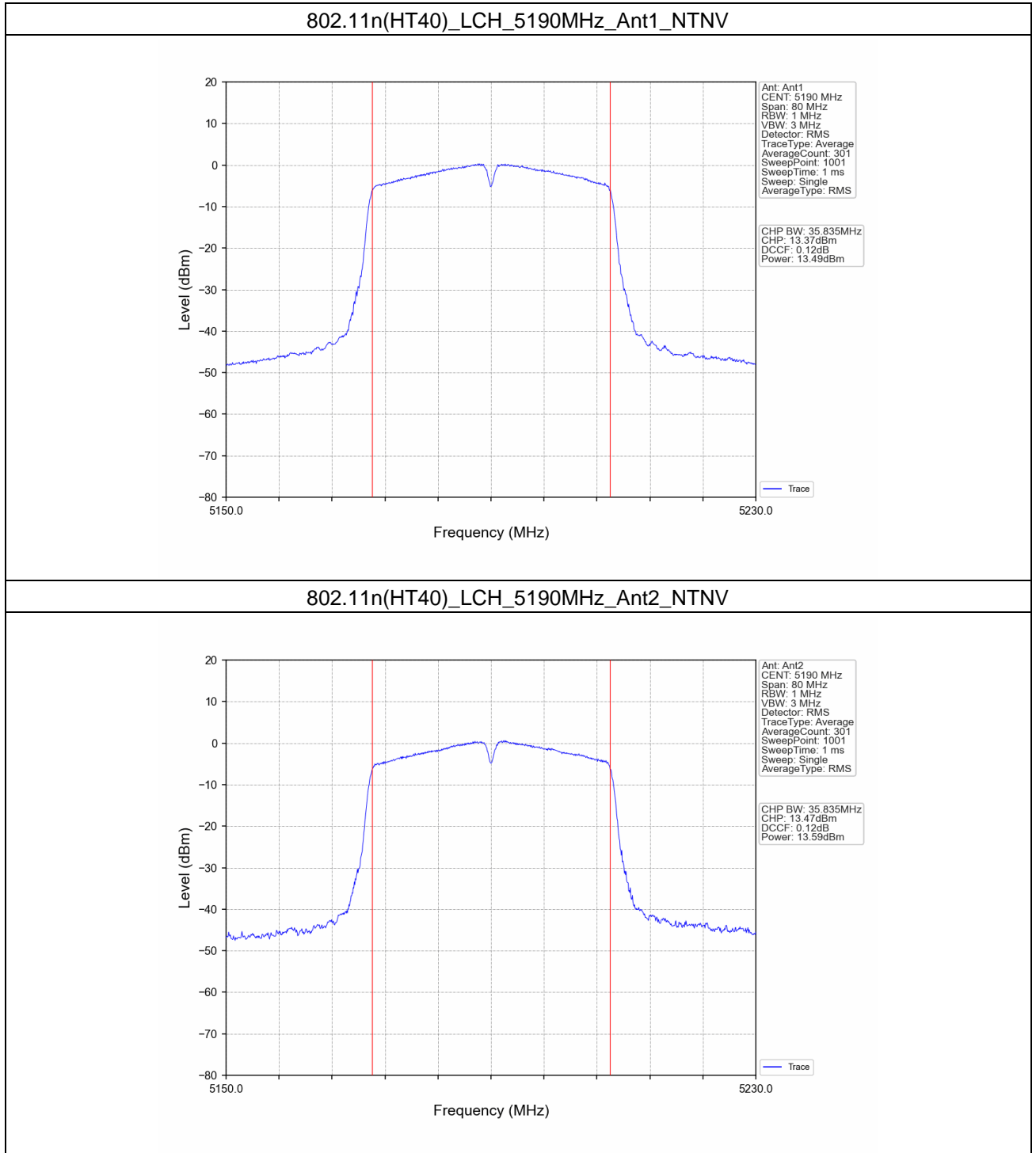
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com

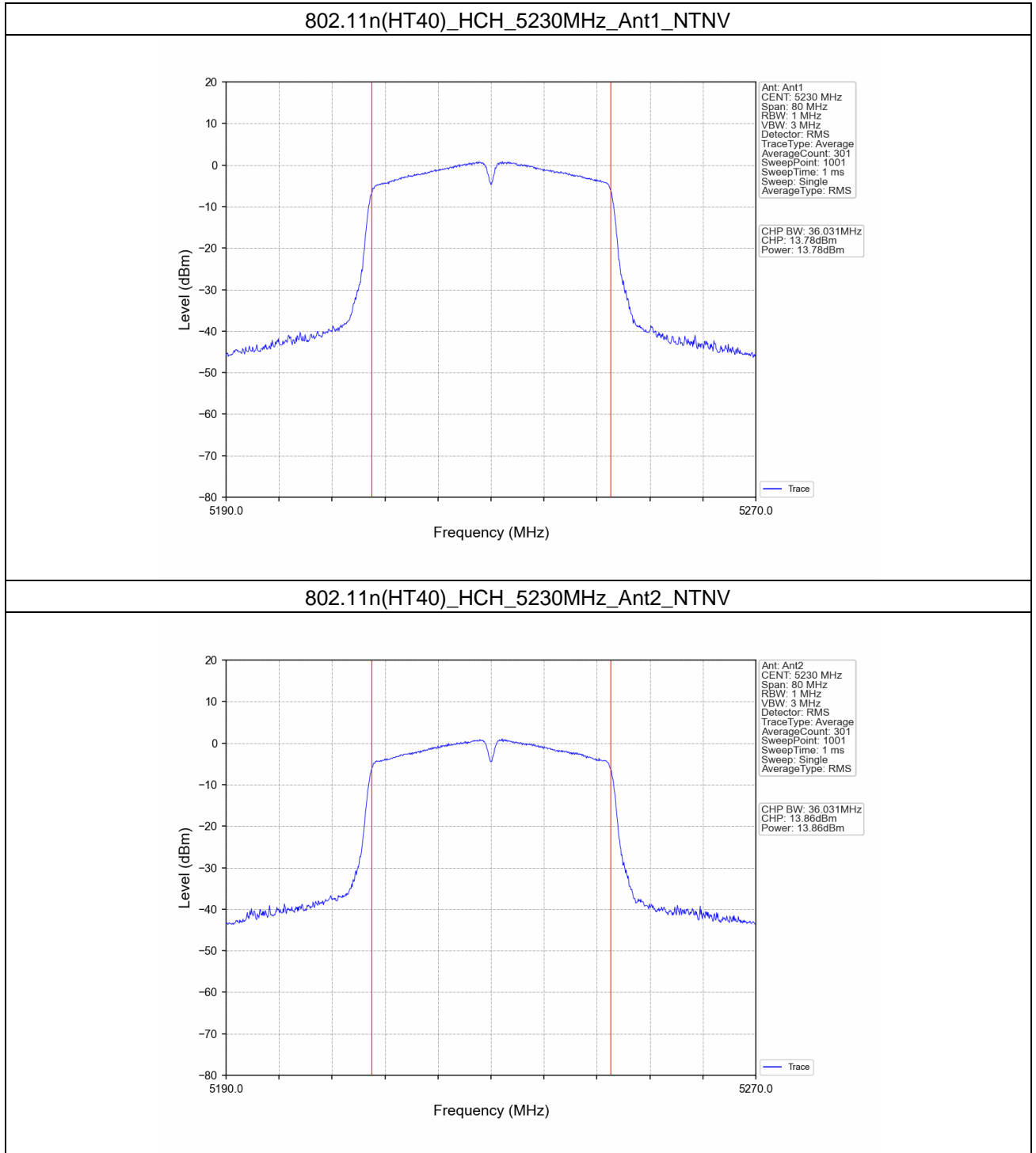


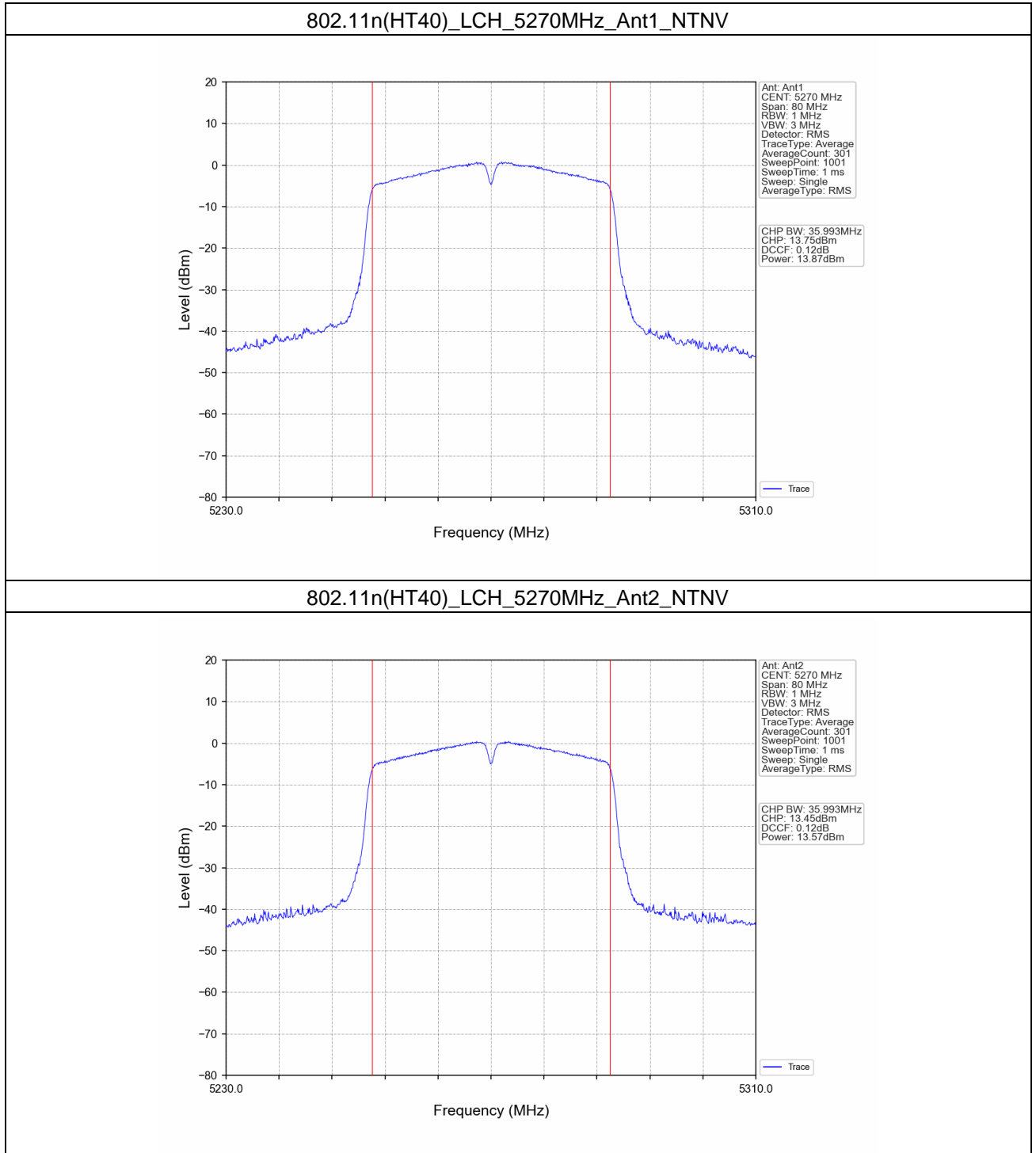


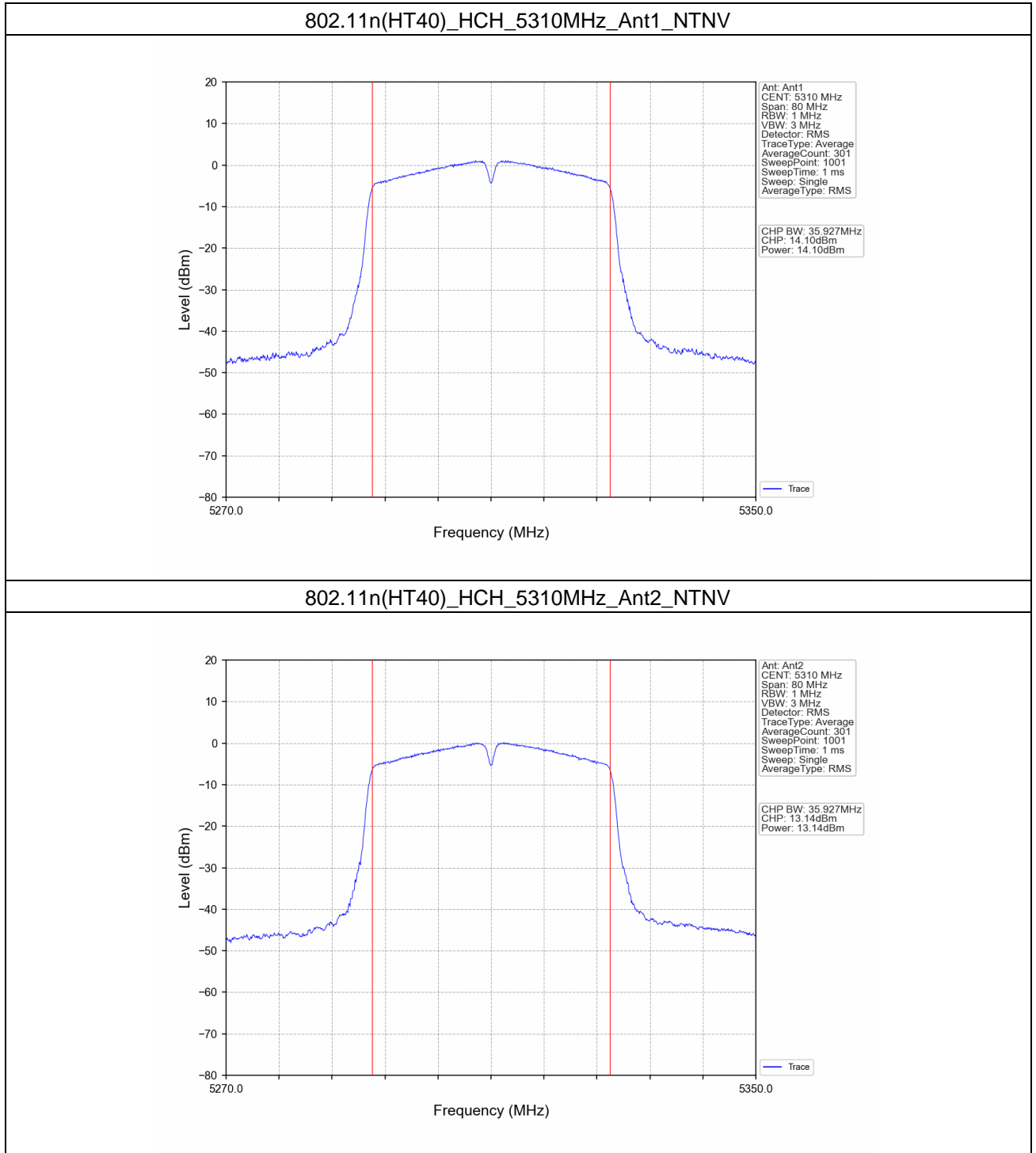






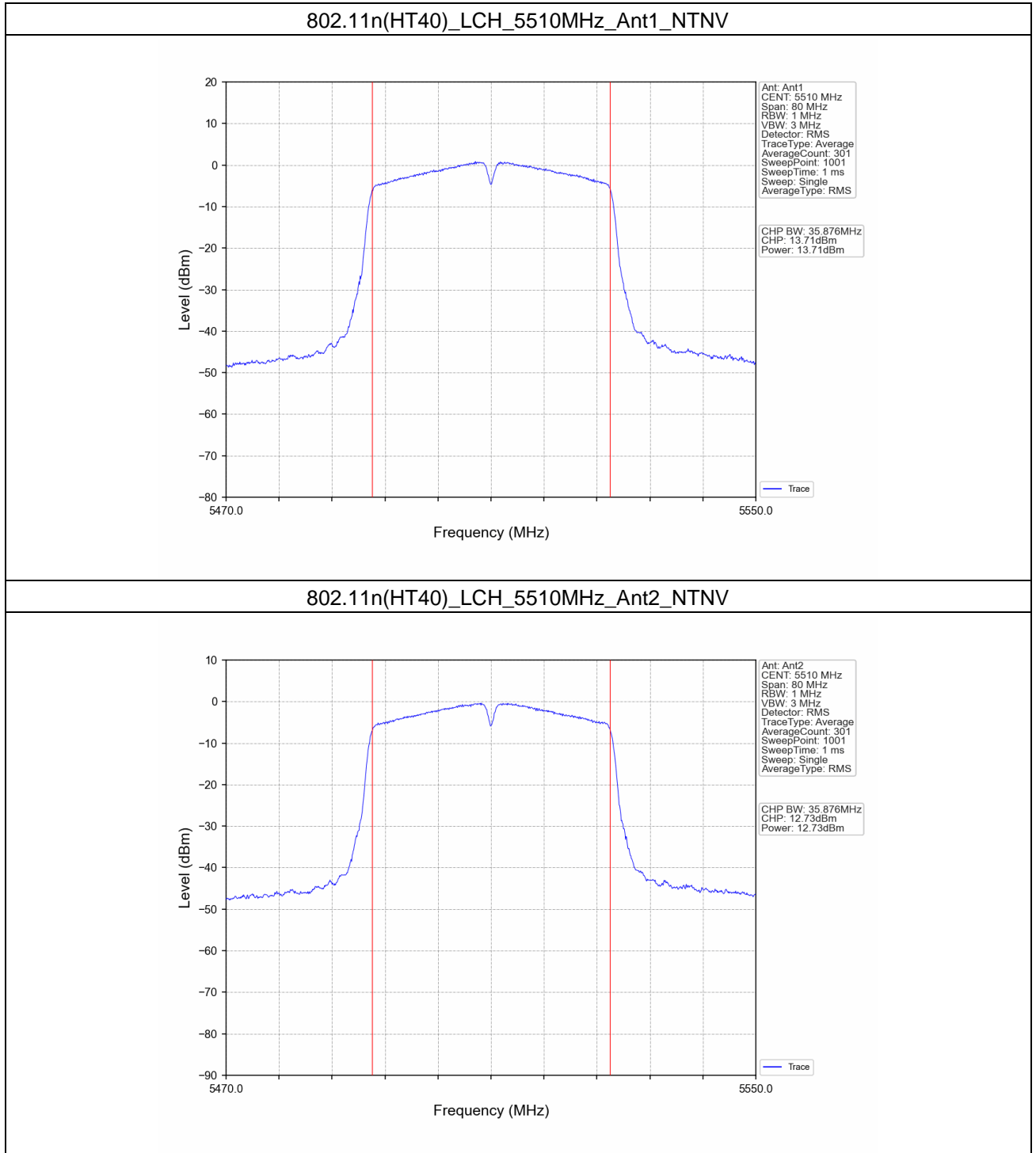




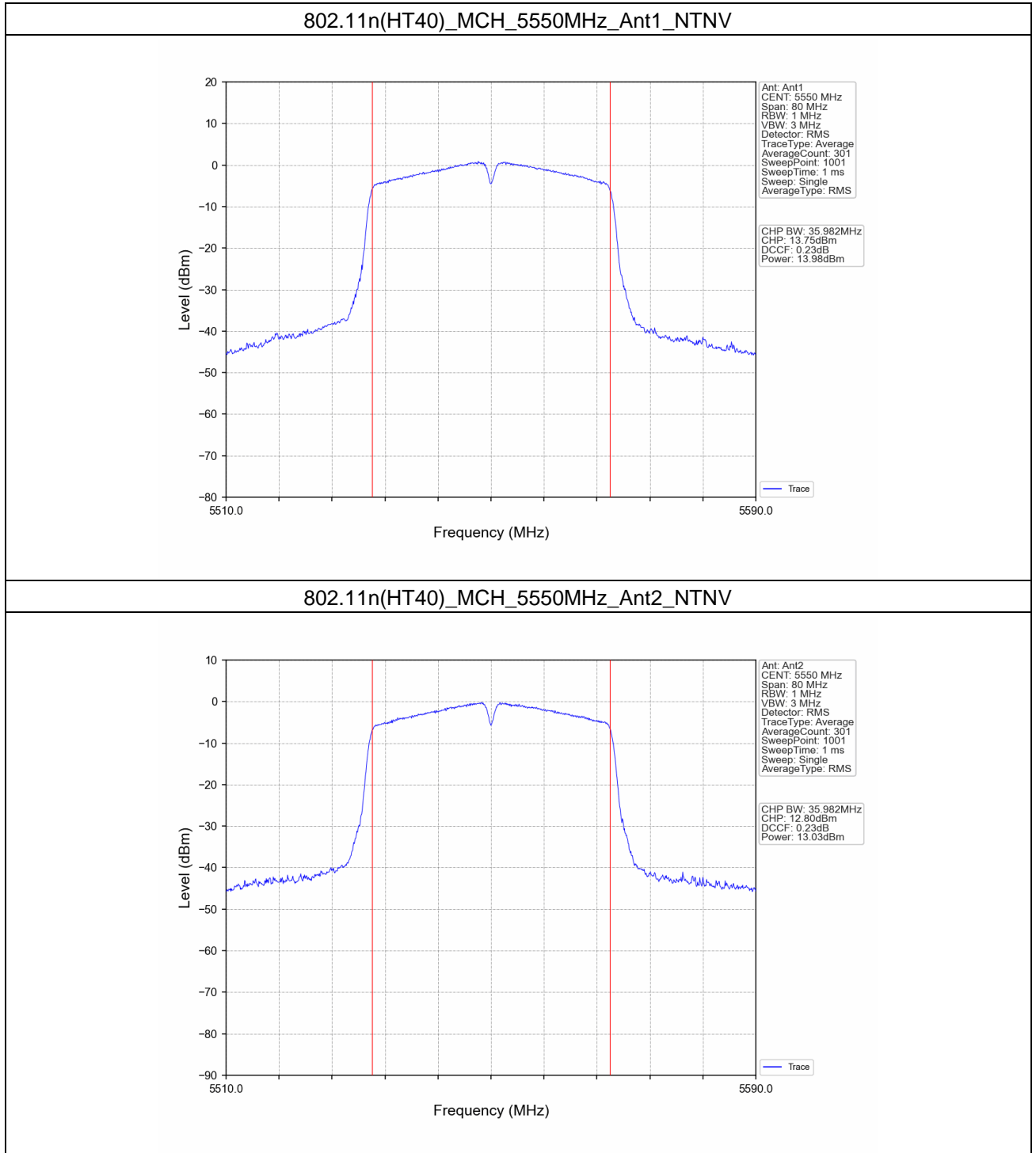


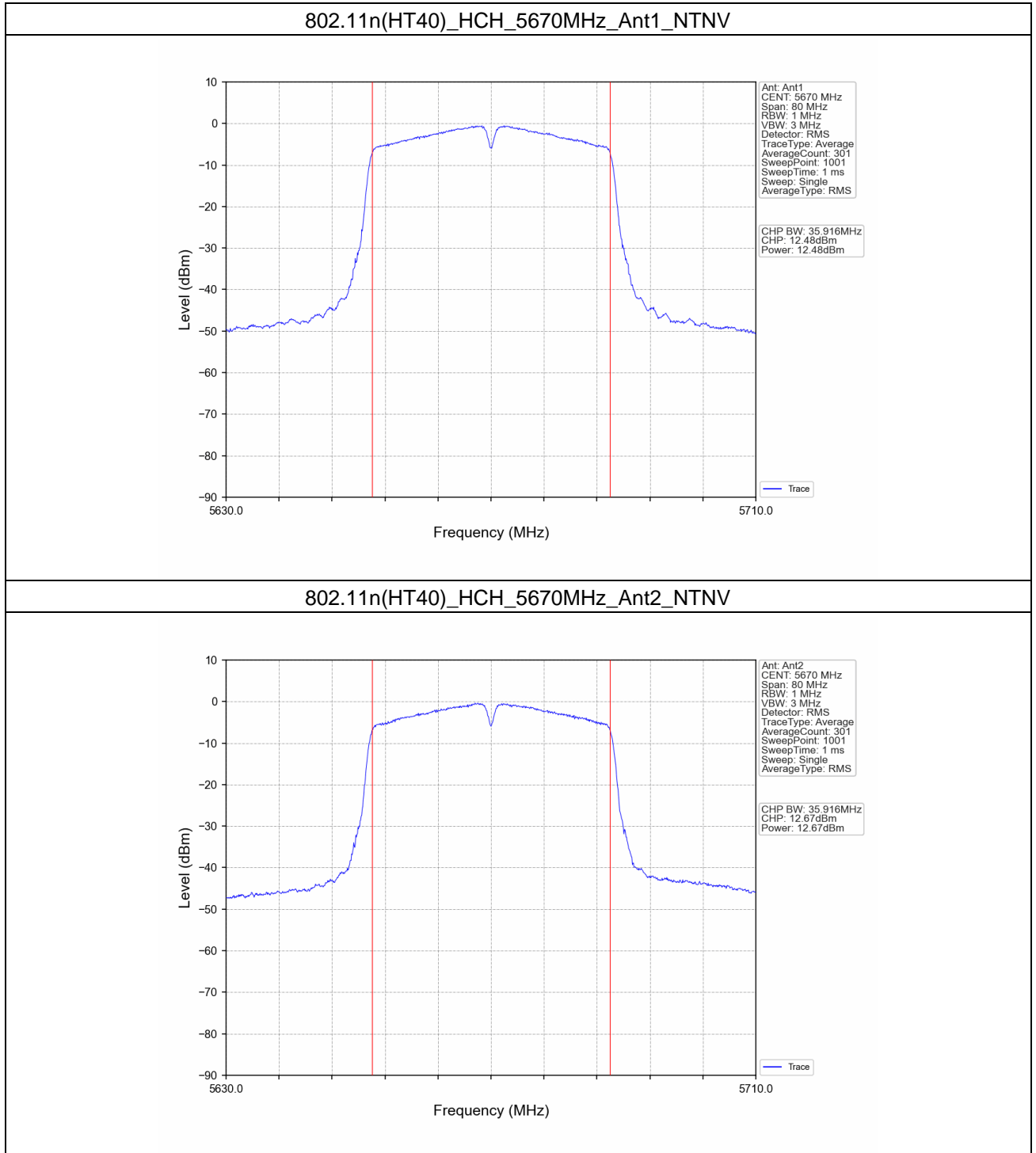
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

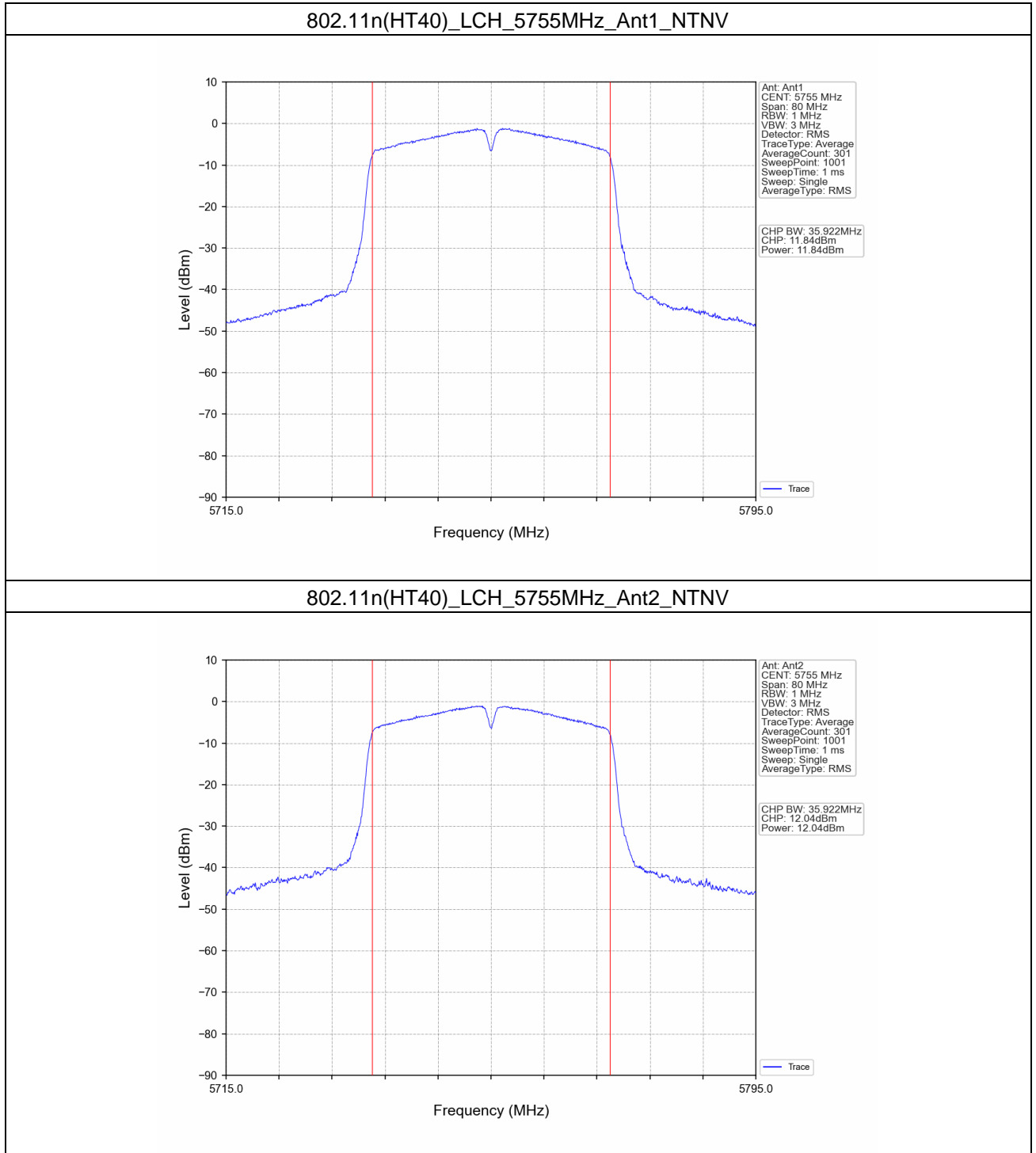
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com**

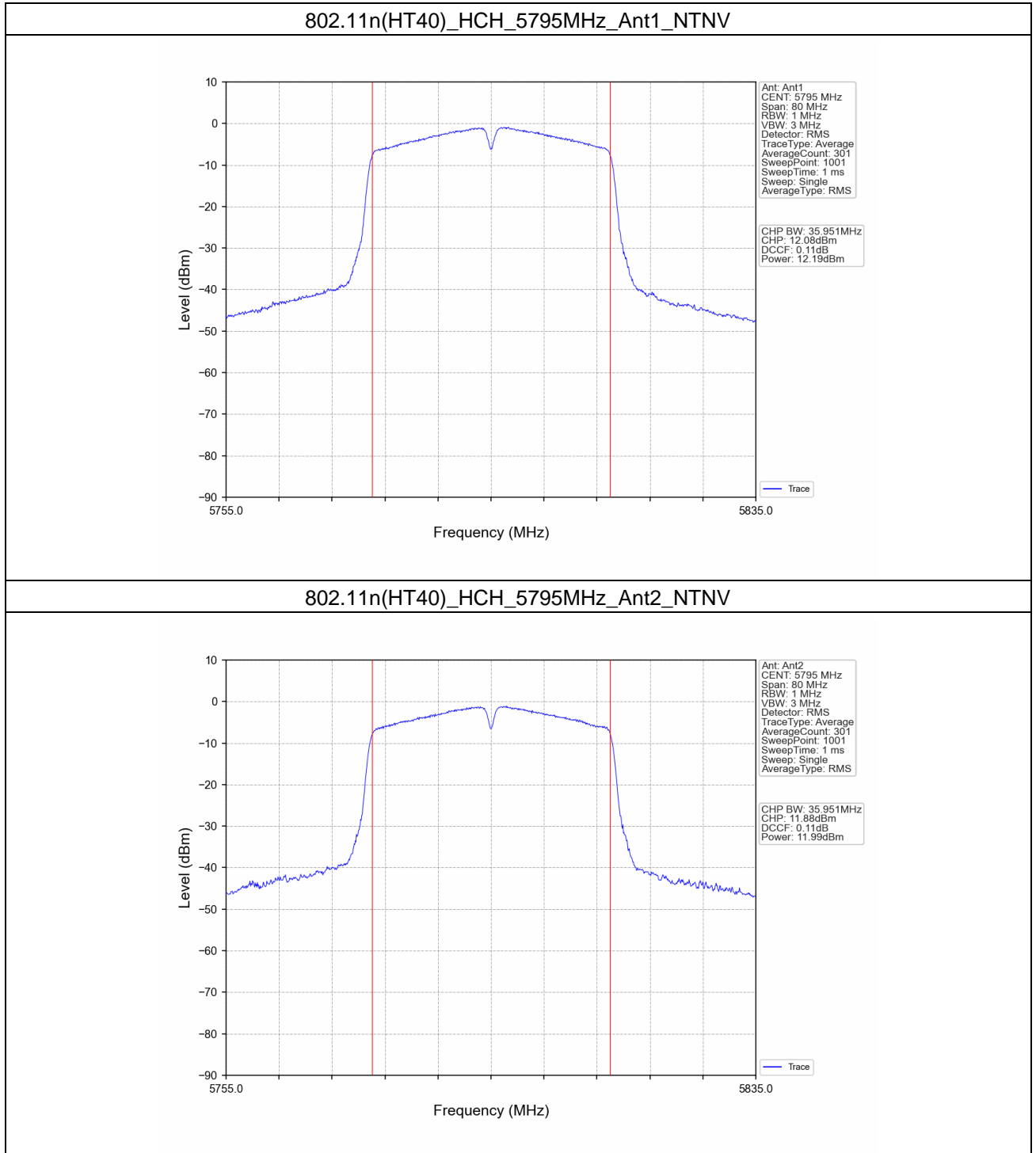




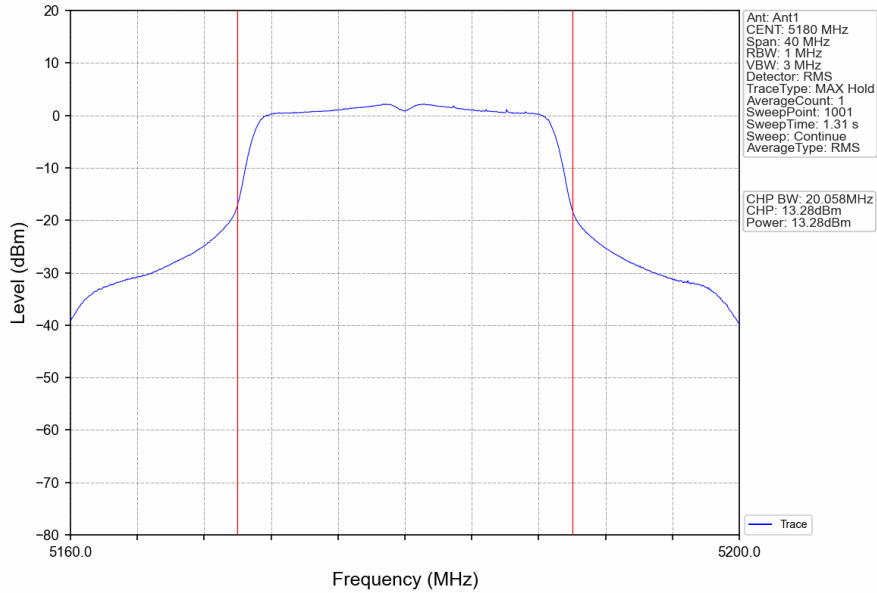




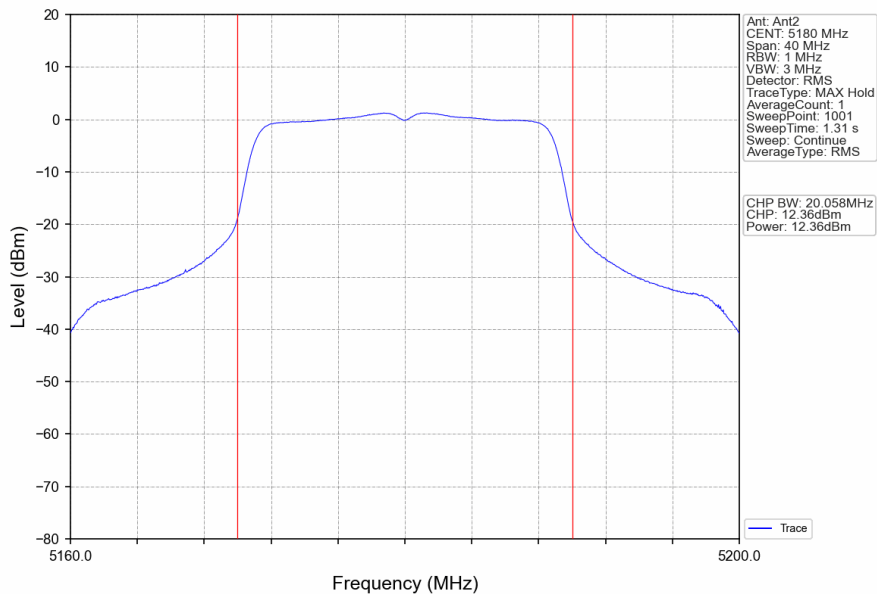




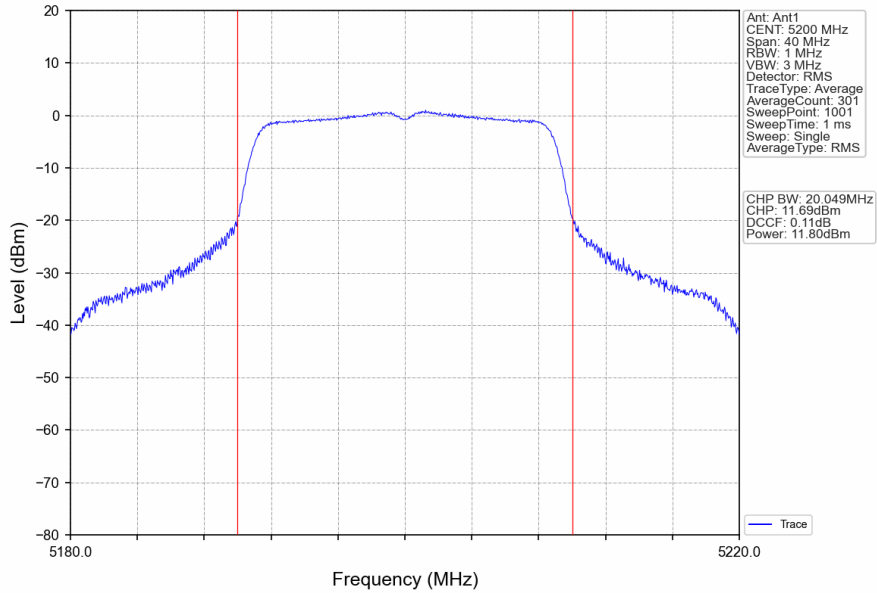
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV



802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV

