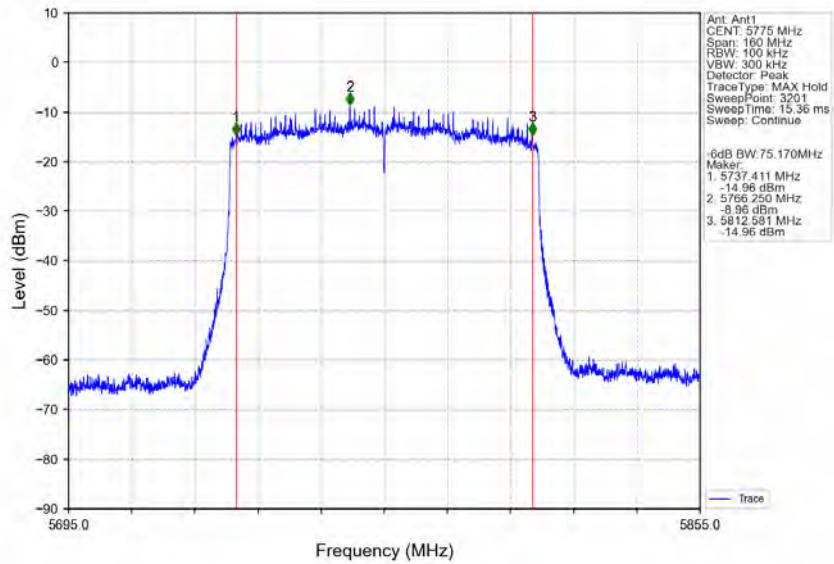
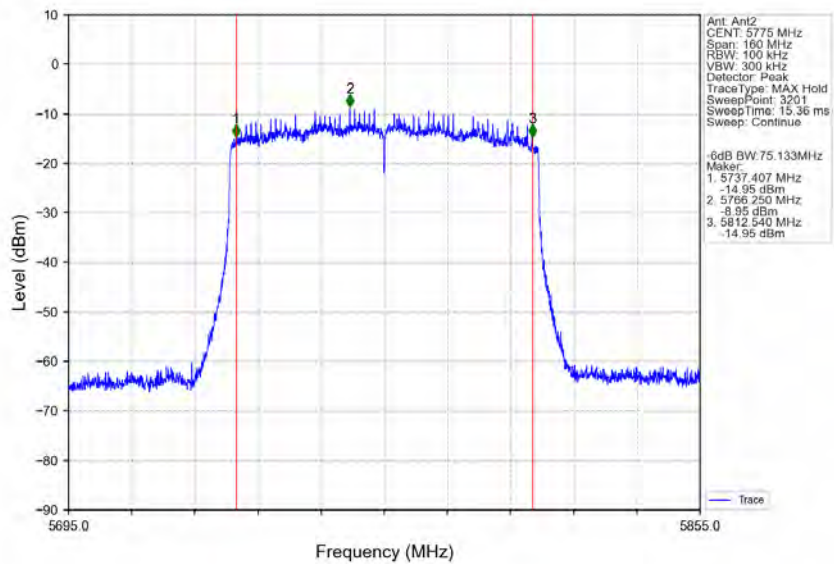


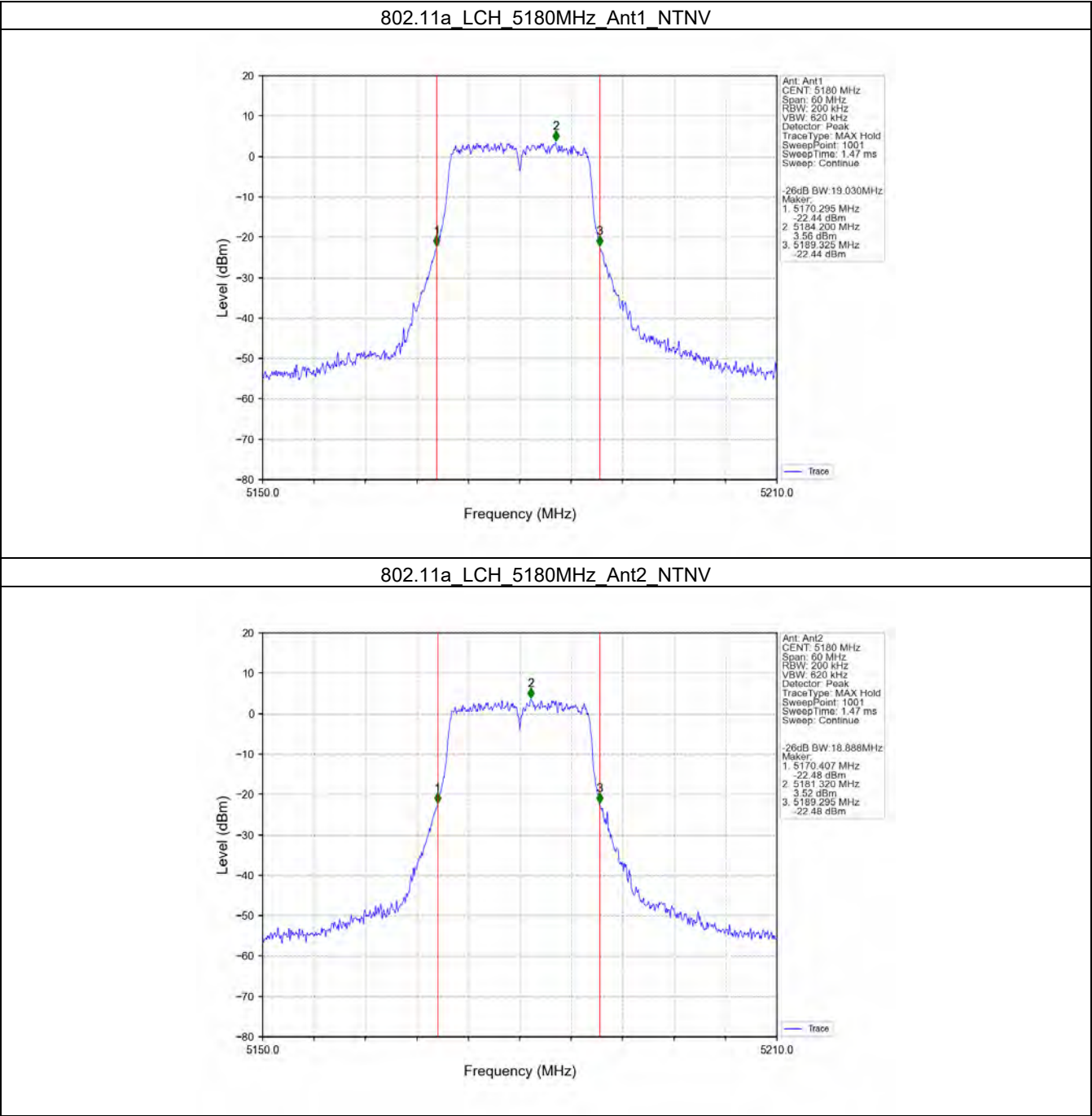
802.11ax(HEW80) MCH 5775MHz RU996 Left Ant1 NTNv



802.11ax(HEW80) MCH 5775MHz RU996 Left Ant2 NTNv



### 2.2.3 26dB BW



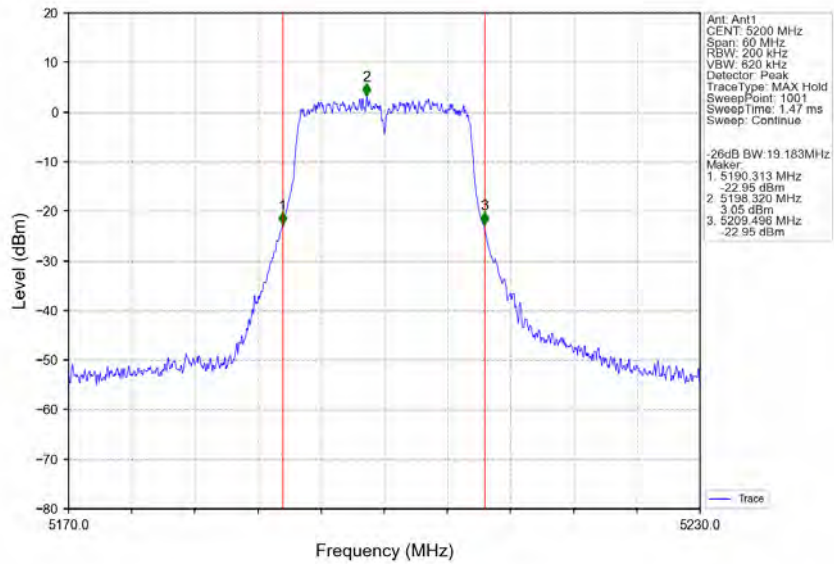
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

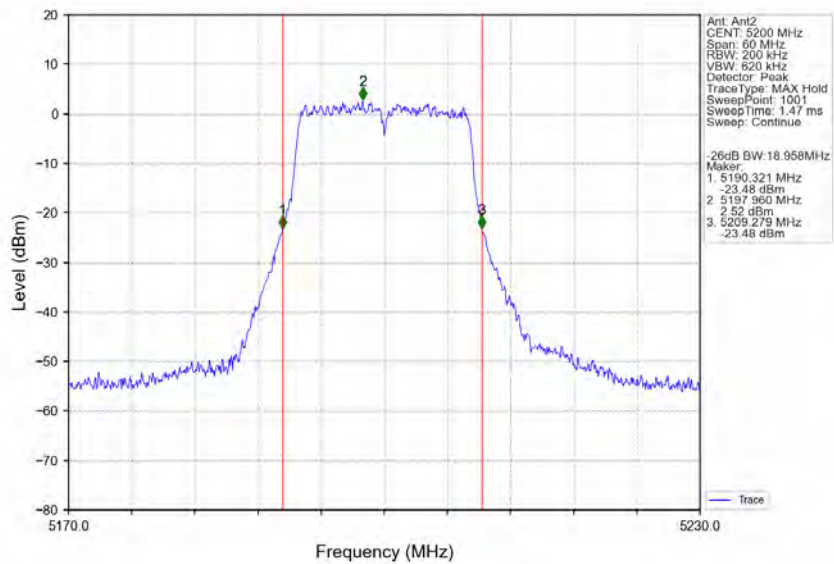
Report No.: KSCR240700123604

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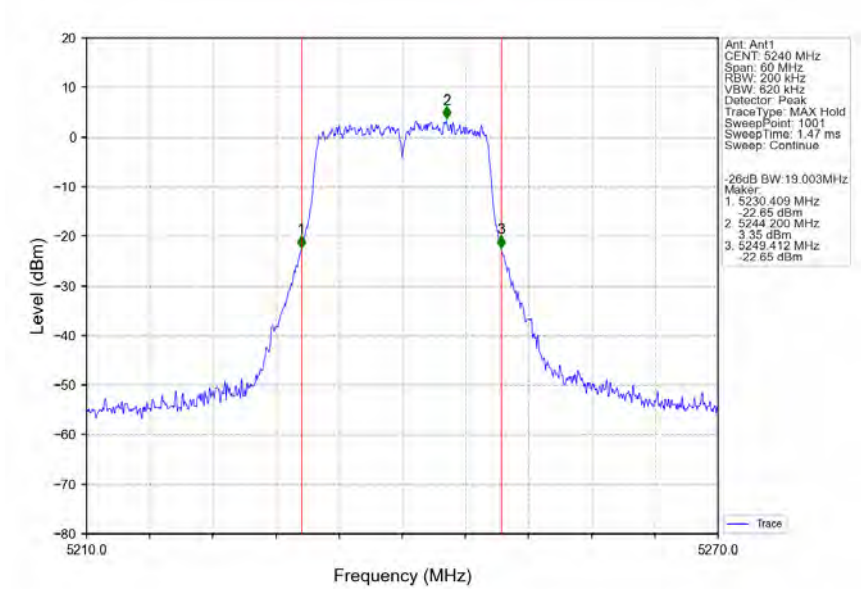
802.11a MCH 5200MHz Ant1 NTV



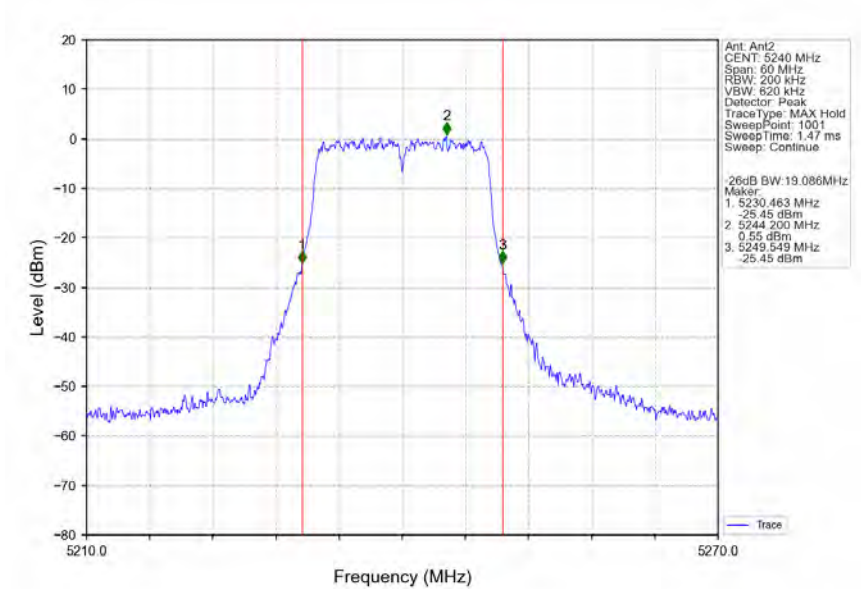
802.11a MCH 5200MHz Ant2 NTV



802.11a HCH 5240MHz Ant1 NTN



802.11a HCH 5240MHz Ant2 NTN



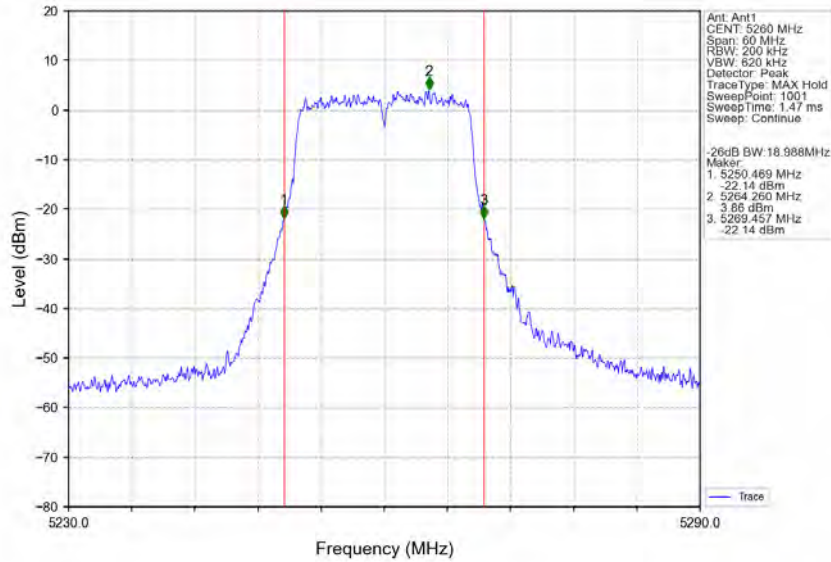
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

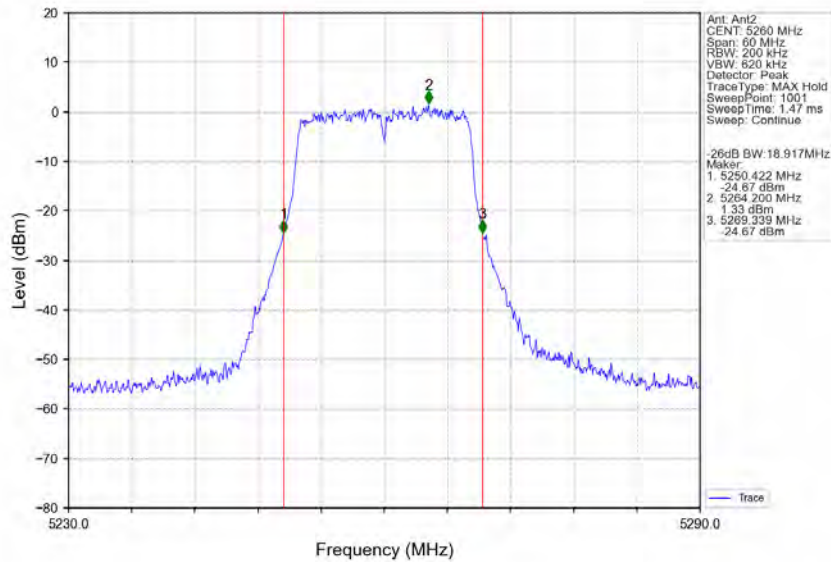
Report No.: KSCR240700123604

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802.11a LCH 5260MHz Ant1 NTN



802.11a LCH 5260MHz Ant2 NTN



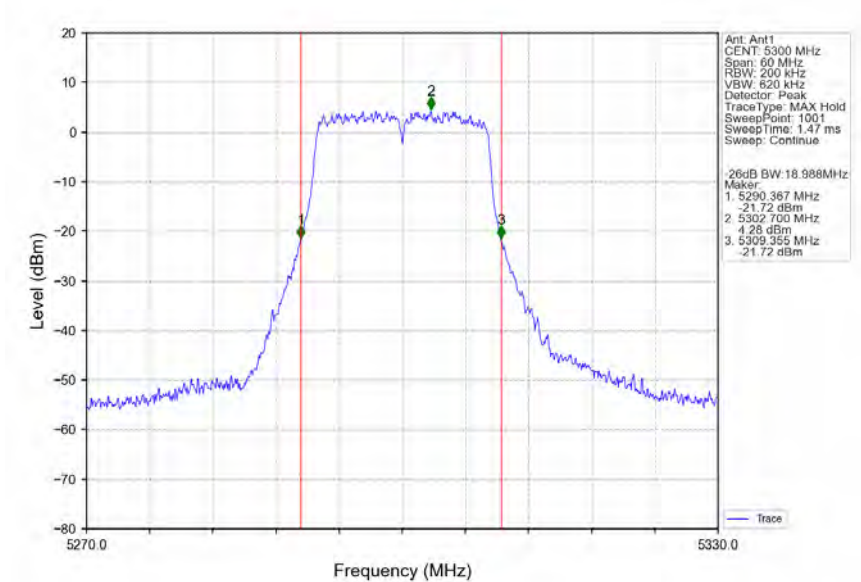
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

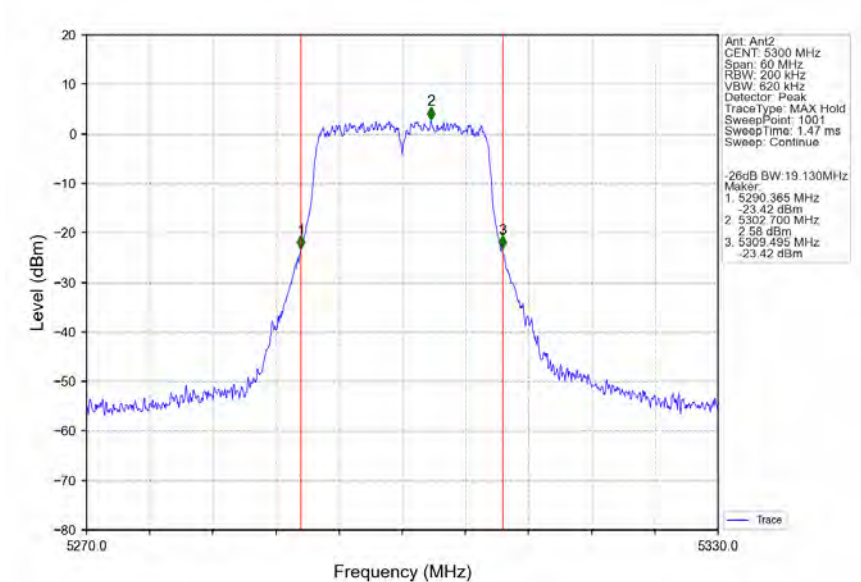
Report No.: KSCR240700123604

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802.11a MCH\_5300MHz\_Ant1\_NTNV



802.11a MCH\_5300MHz\_Ant2\_NTNV



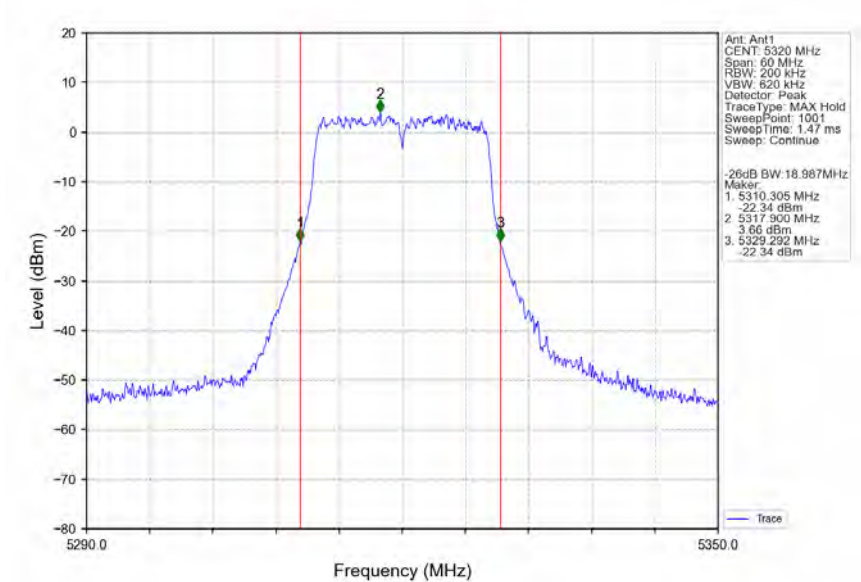
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

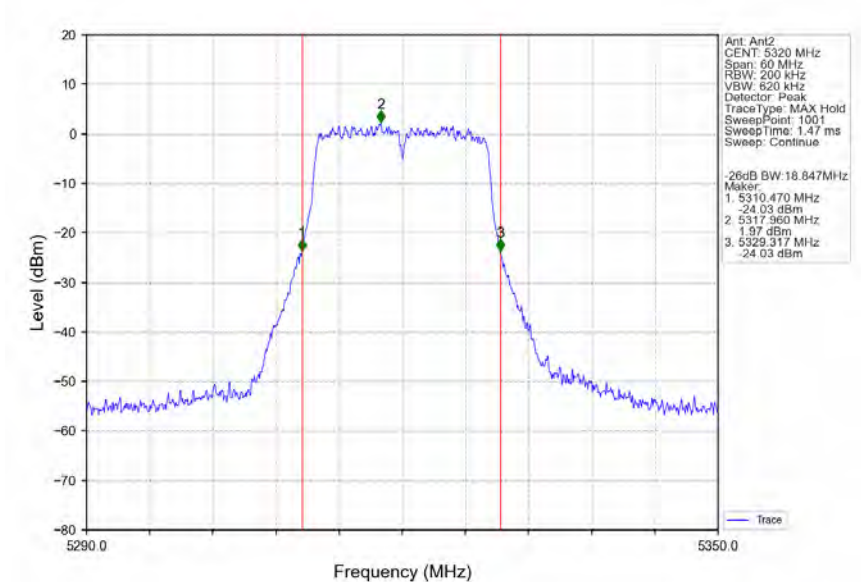
Report No.: KSCR240700123604

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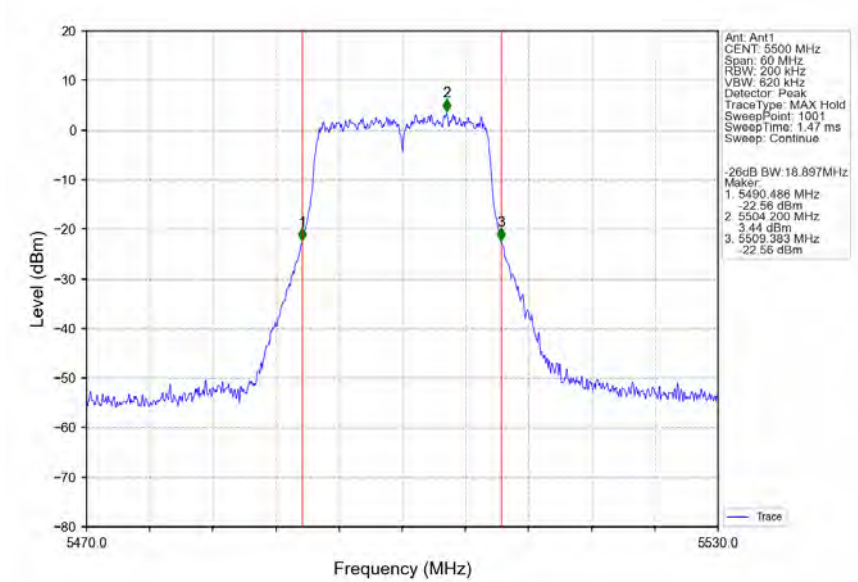
802.11a HCH 5320MHz Ant1 NTN



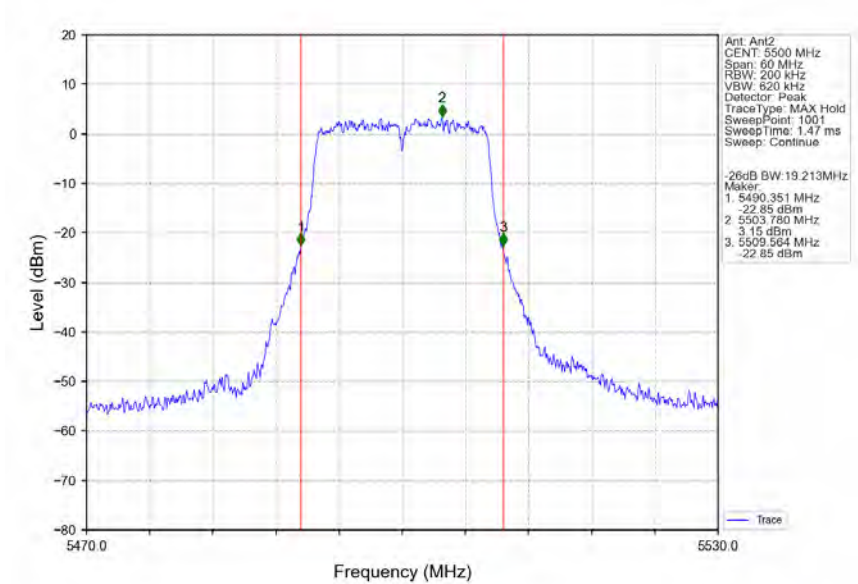
802.11a HCH 5320MHz Ant2 NTN



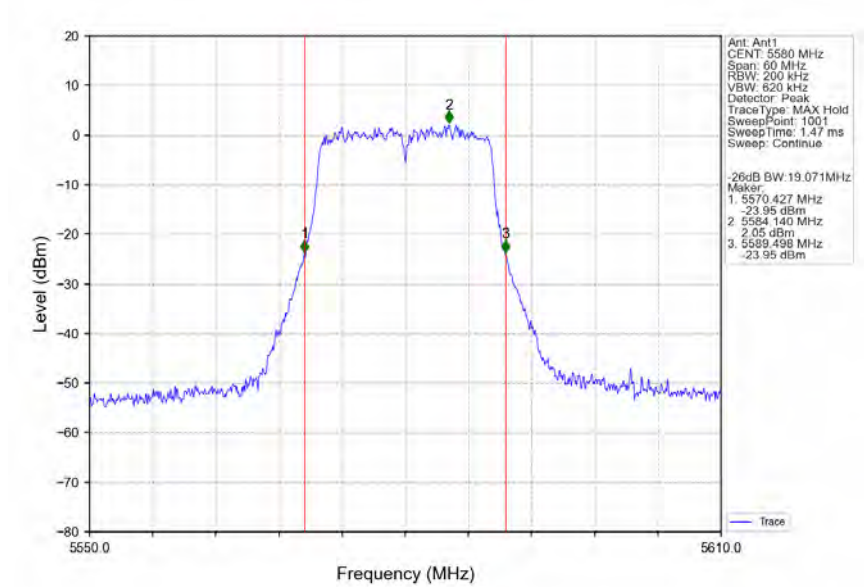
802.11a LCH 5500MHz Ant1 NTN



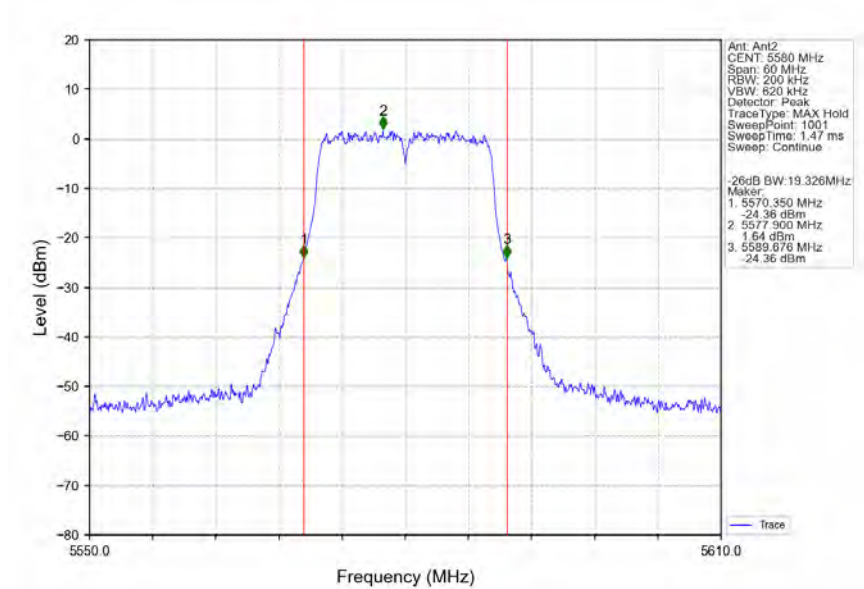
802.11a LCH 5500MHz Ant2 NTN



802.11a MCH\_5580MHz\_Ant1\_NTNV



802.11a MCH\_5580MHz\_Ant2\_NTNV



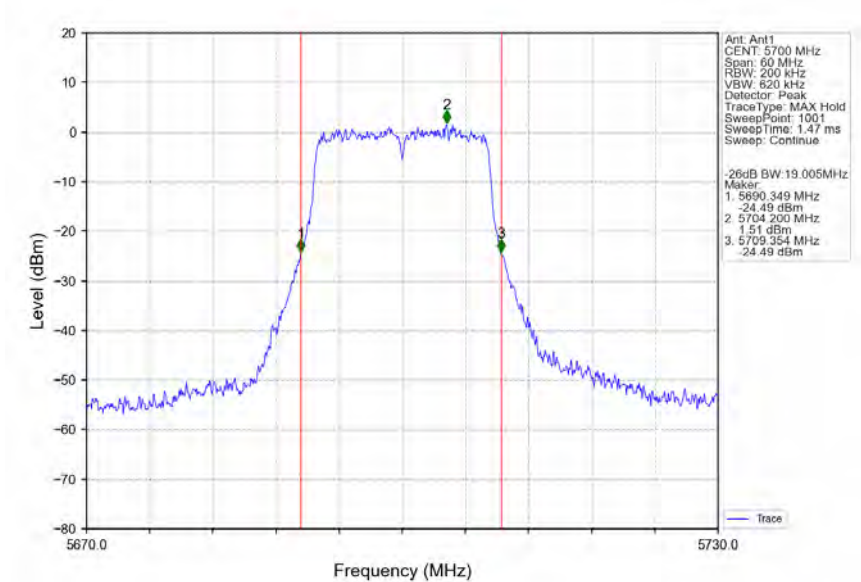
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

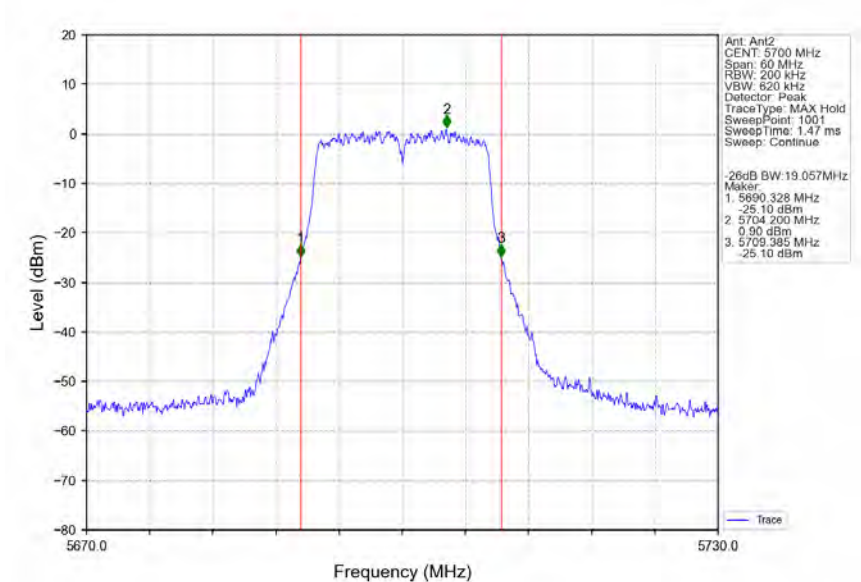
Report No.: KSCR240700123604

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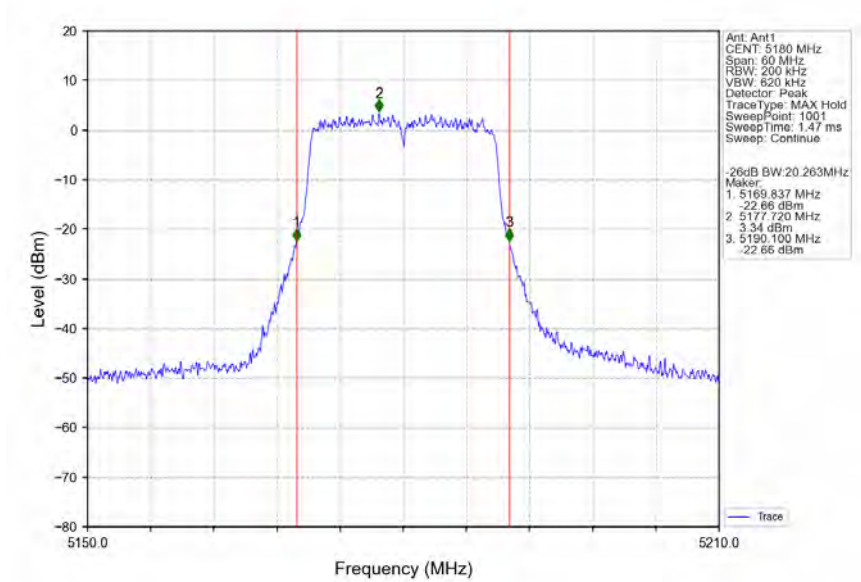
802.11a HCH 5700MHz Ant1 NTN



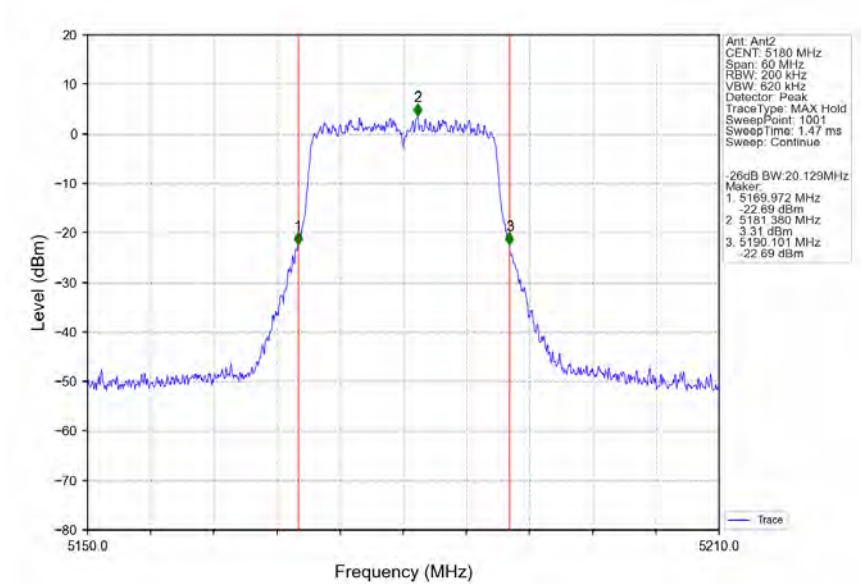
802.11a HCH 5700MHz Ant2 NTN



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



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



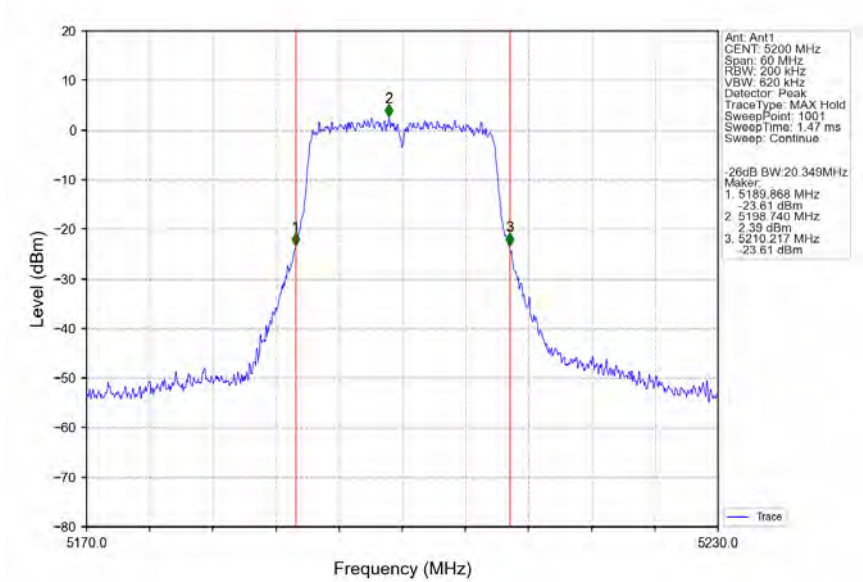
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

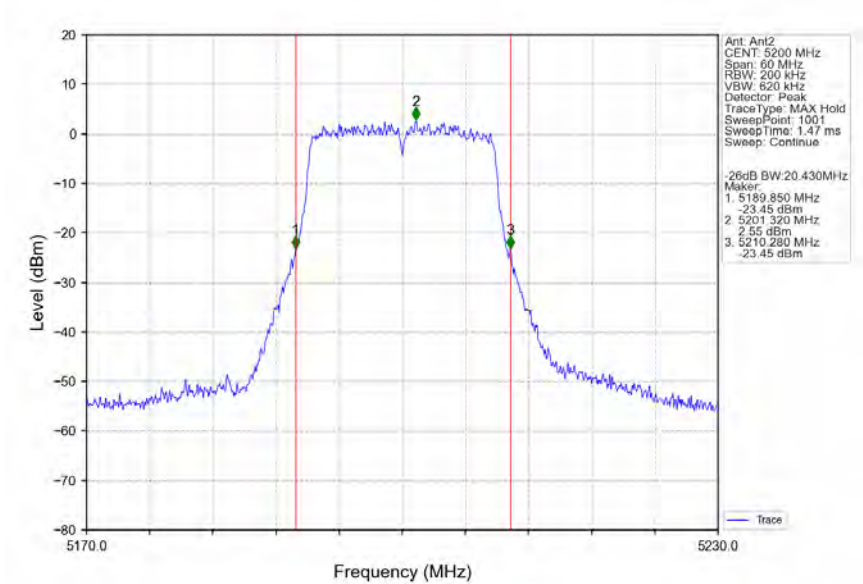
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802.11ac(VHT20) MCH\_5200MHz\_Ant1\_NTNV



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



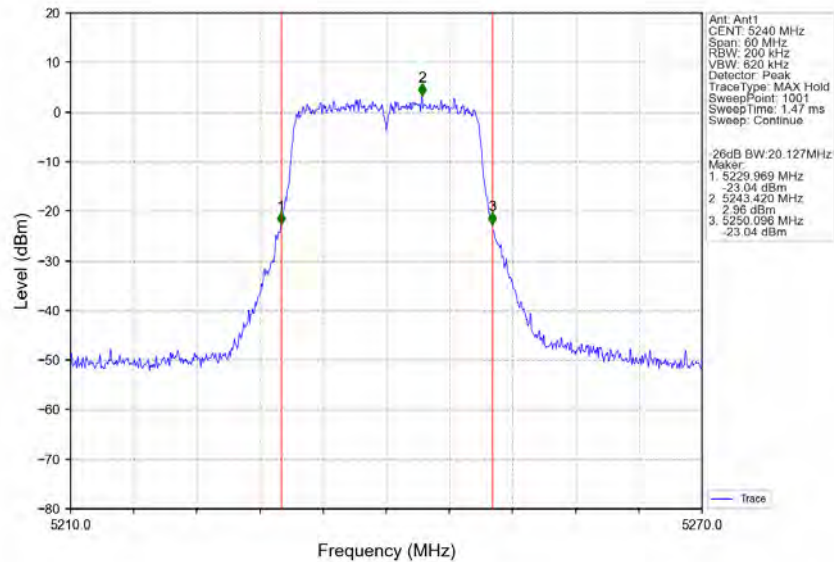
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

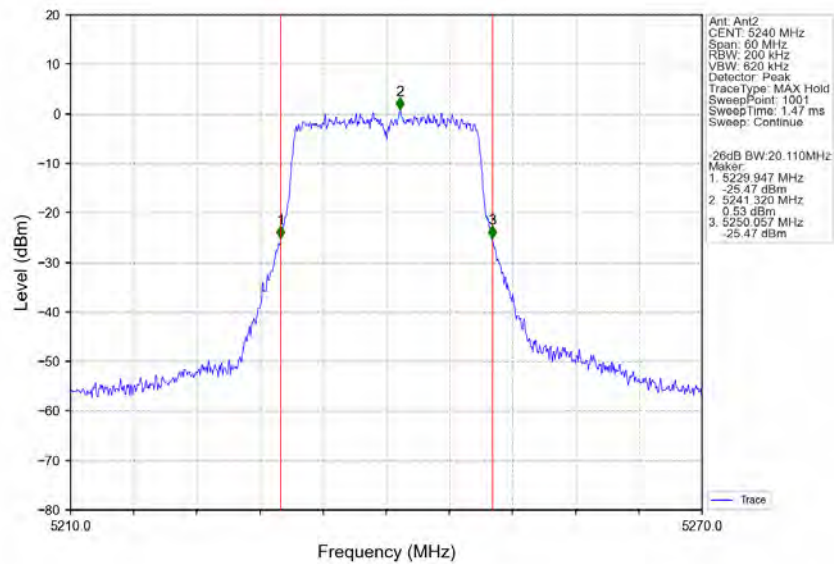
Report No.: KSCR240700123604

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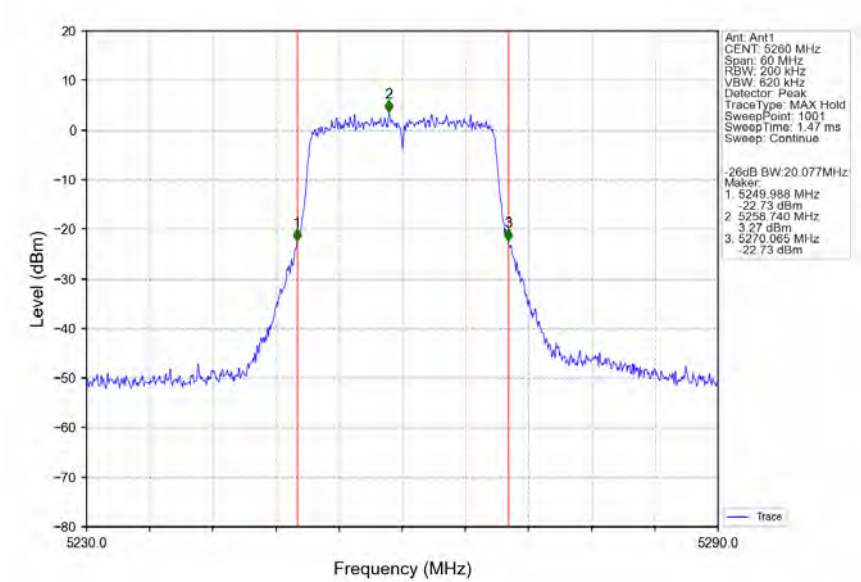
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



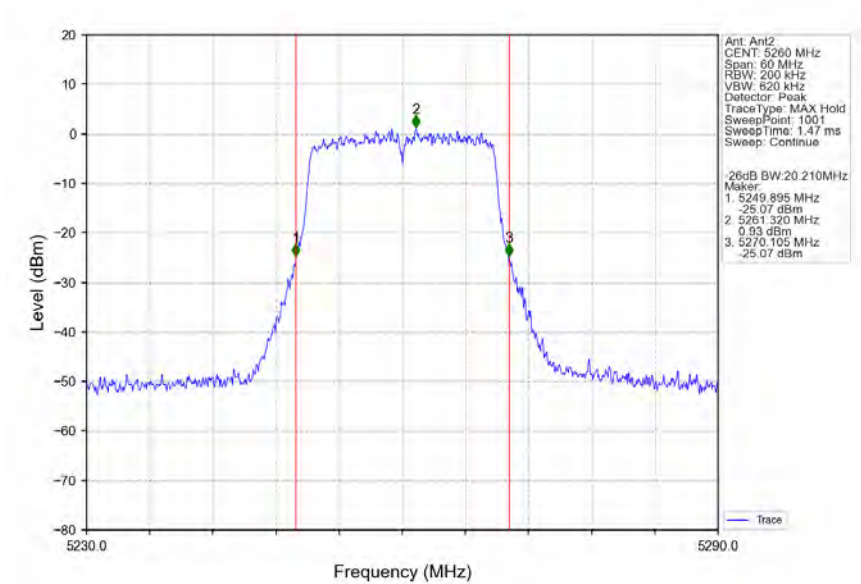
802.11ac(VHT20) HCH 5240MHz Ant2 NTN



802.11ac(VHT20) LCH 5260MHz Ant1 NTN



802.11ac(VHT20) LCH 5260MHz Ant2 NTN



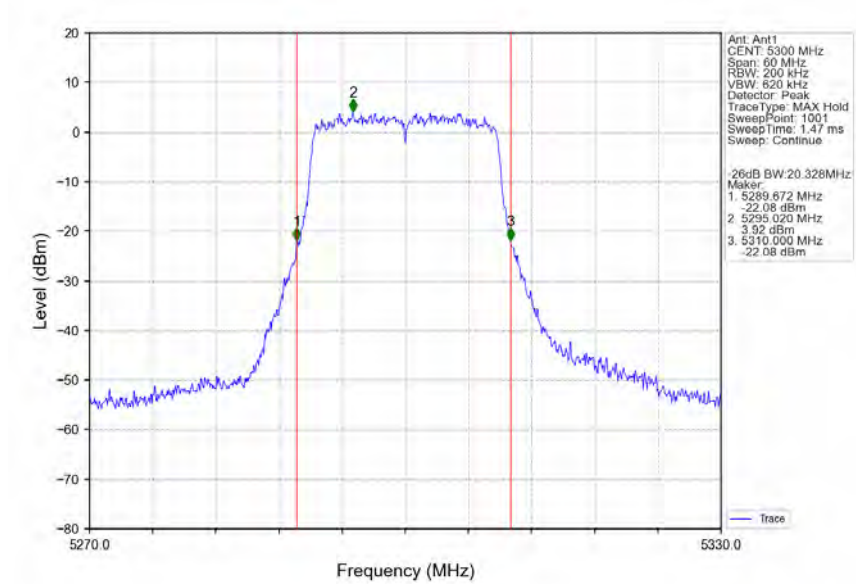
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

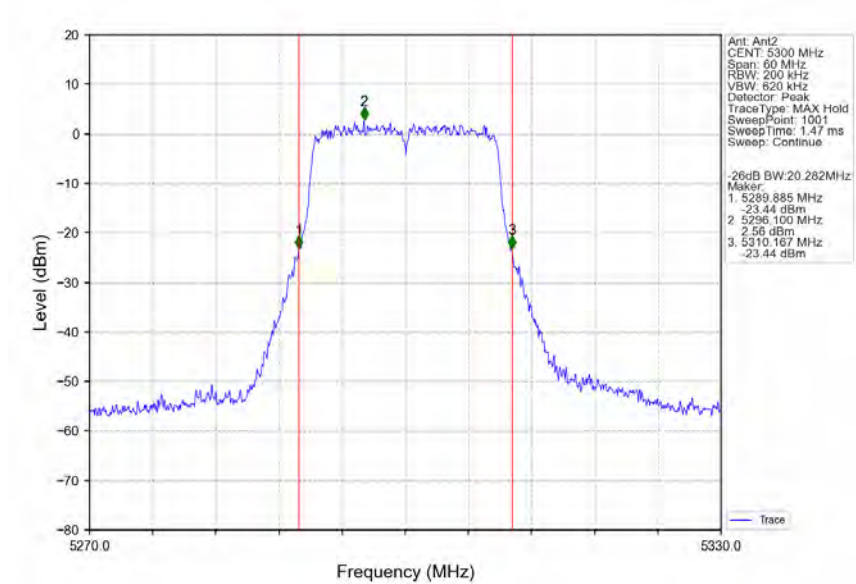
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802.11ac(VHT20) MCH\_5300MHz\_Ant1\_NTNV



802.11ac(VHT20) MCH\_5300MHz\_Ant2\_NTNV



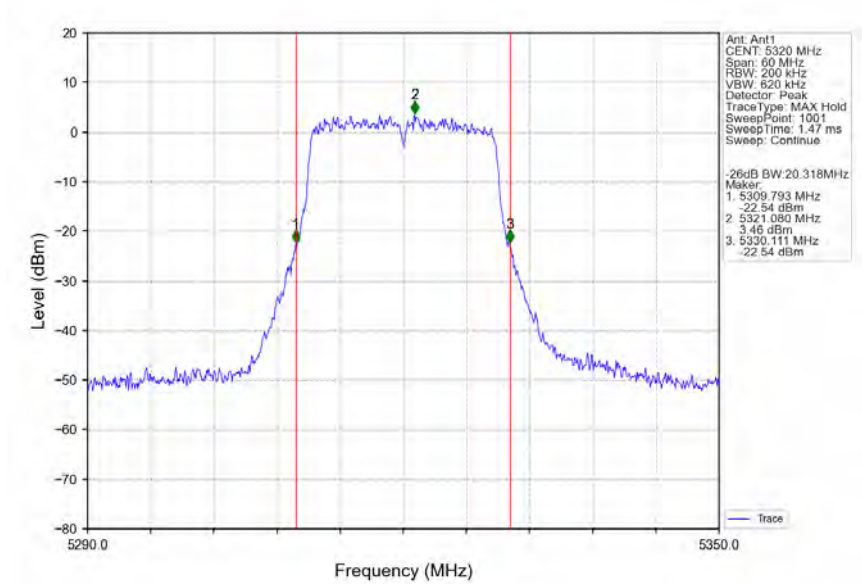
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

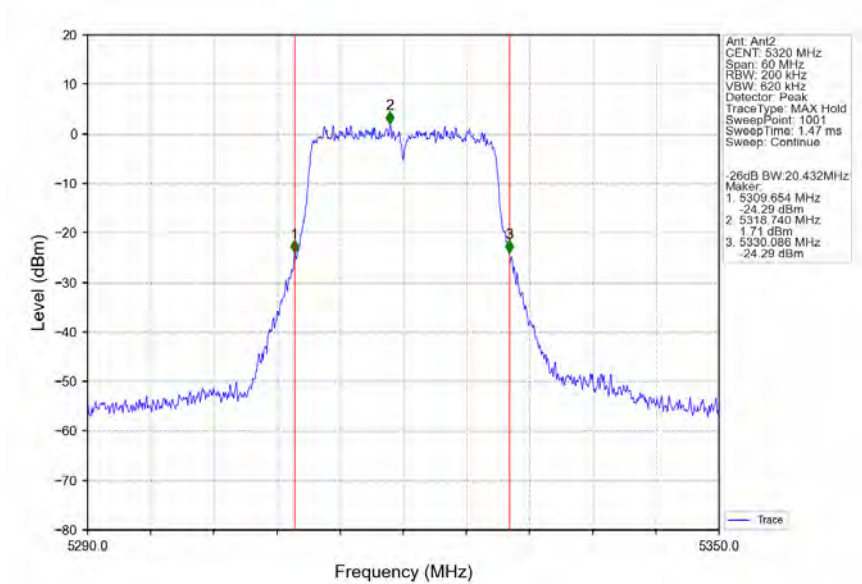
Report No.: KSCR240700123604

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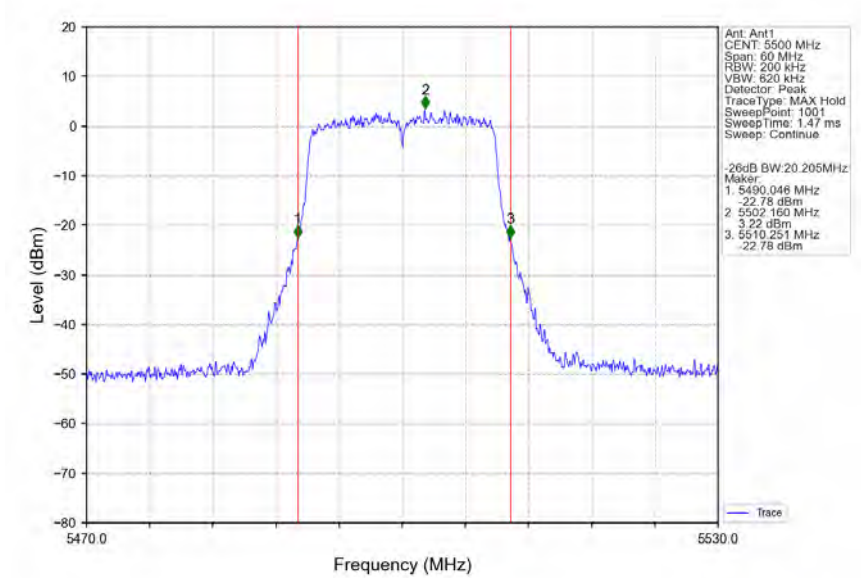
802.11ac(VHT20) HCH 5320MHz Ant1 NTN



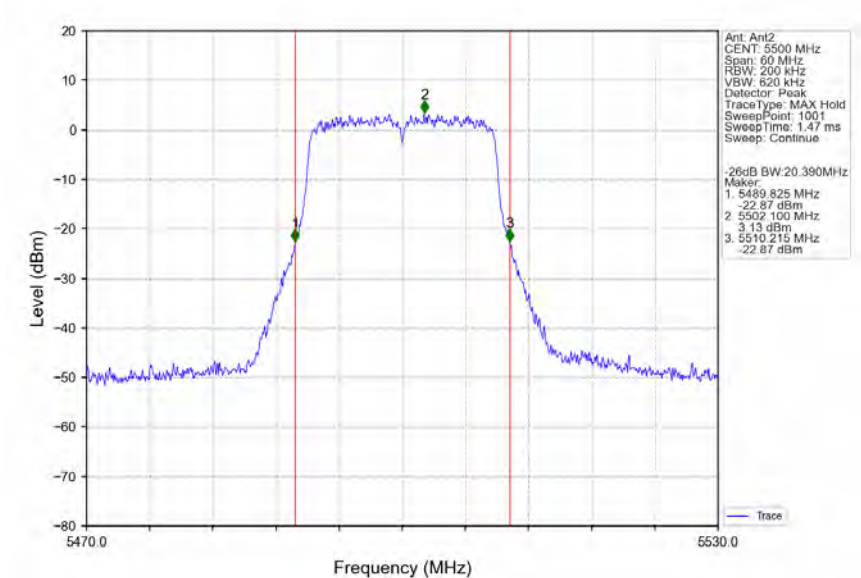
802.11ac(VHT20) HCH 5320MHz Ant2 NTN



802.11ac(VHT20) LCH 5500MHz Ant1 NTN



802.11ac(VHT20) LCH 5500MHz Ant2 NTN



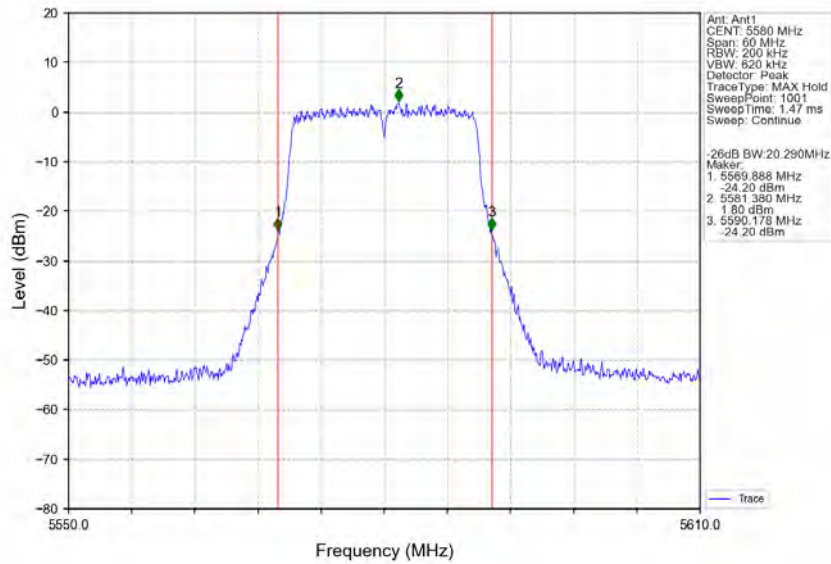
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

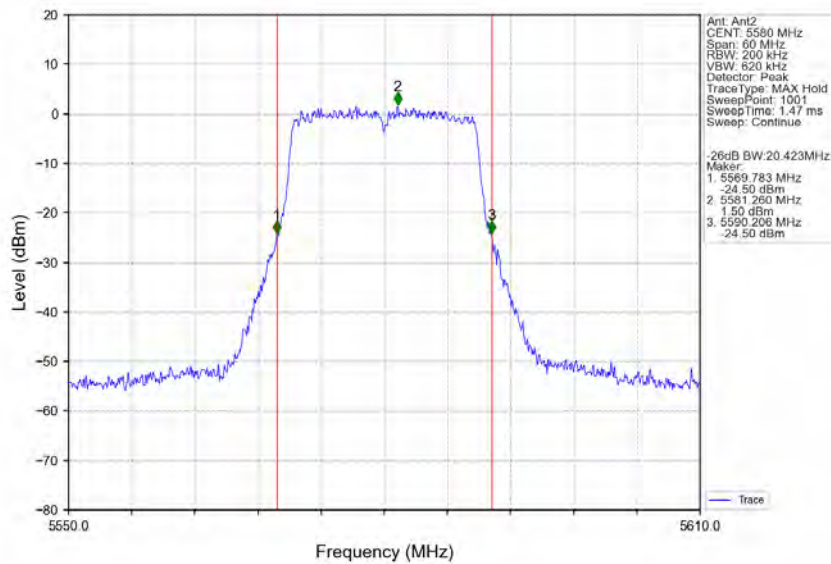
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802.11ac(VHT20) MCH\_5580MHz\_Ant1\_NTNV



802.11ac(VHT20) MCH\_5580MHz\_Ant2\_NTNV



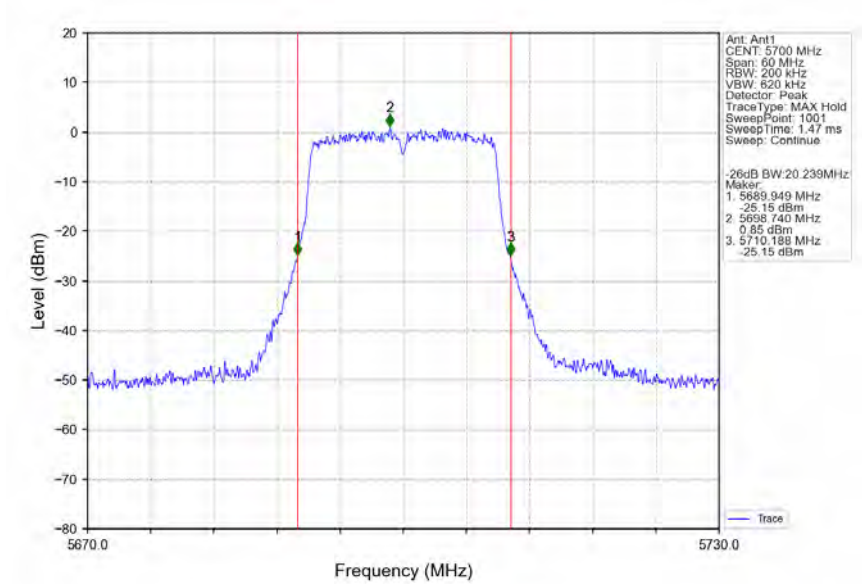
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

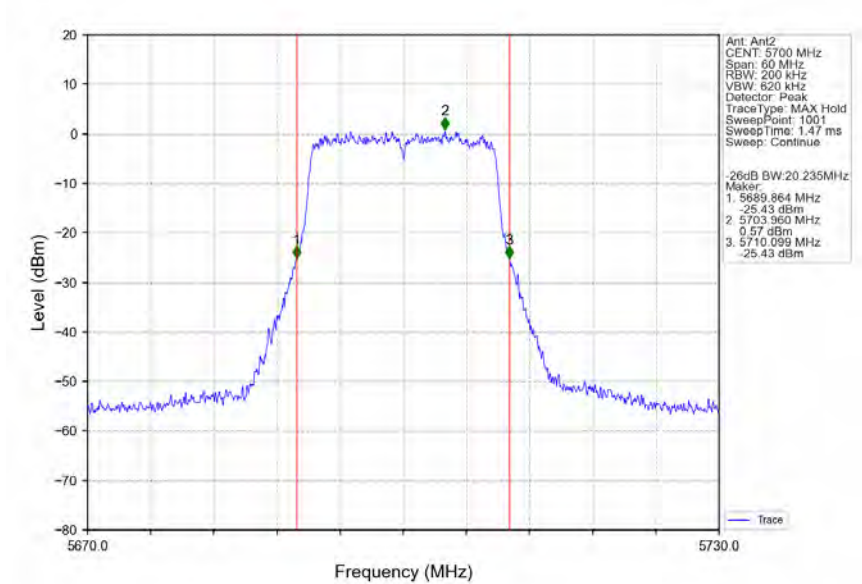
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802.11ac(VHT20) HCH 5700MHz Ant1 NTN



802.11ac(VHT20) HCH 5700MHz Ant2 NTN



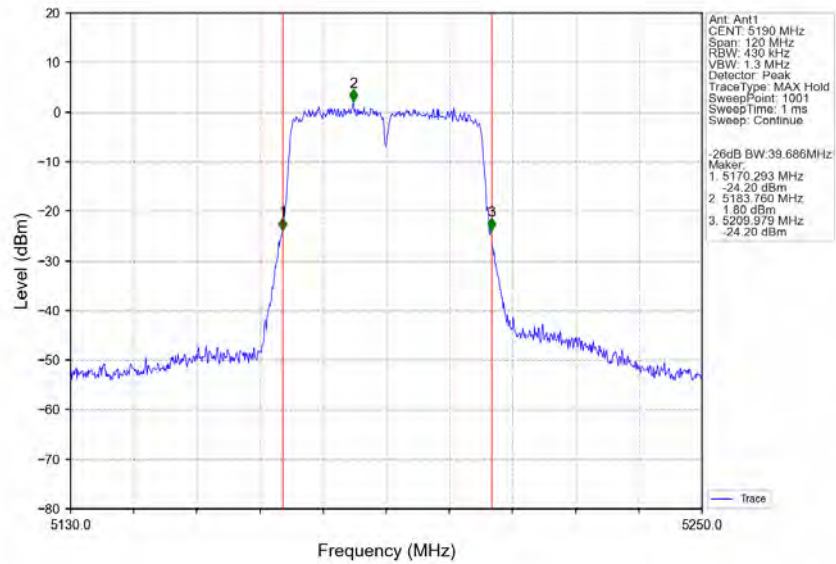
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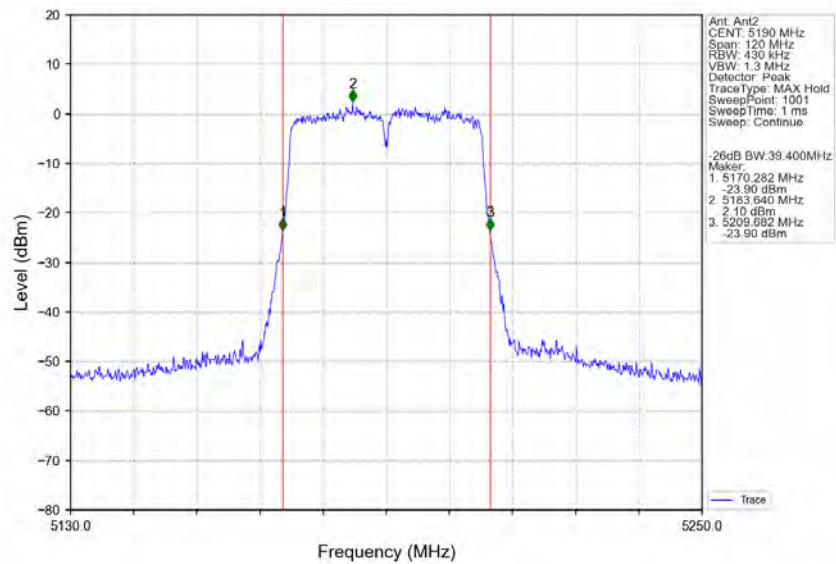
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) LCH 5190MHz Ant2 NTN



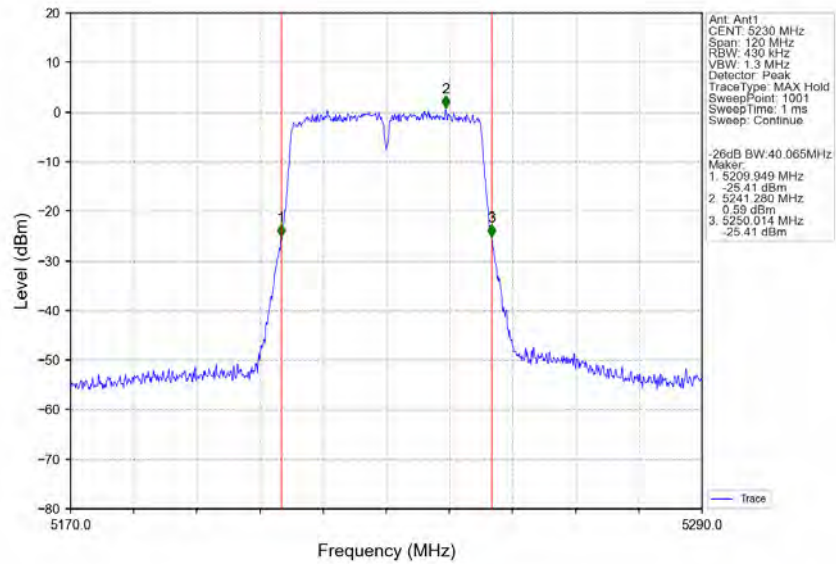
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

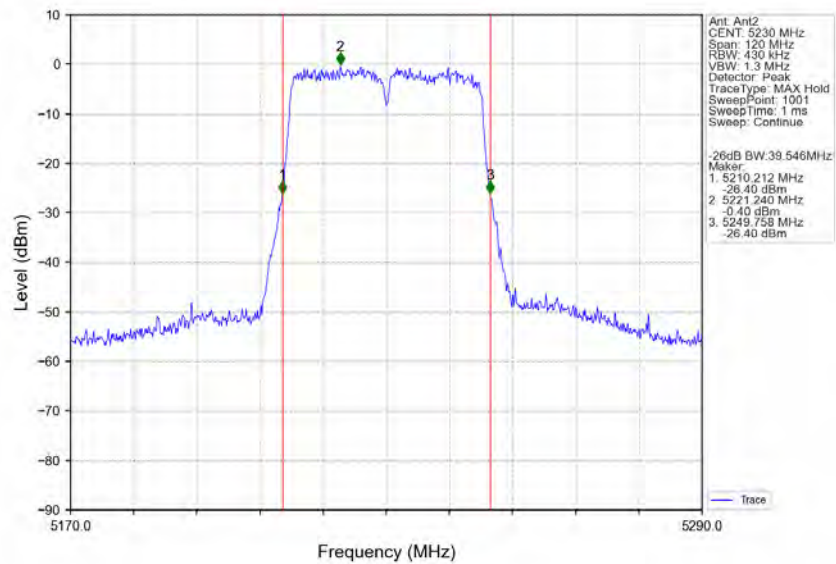
Report No.: KSCR240700123604

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802.11ac(VHT40) HCH 5230MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant2 NTN



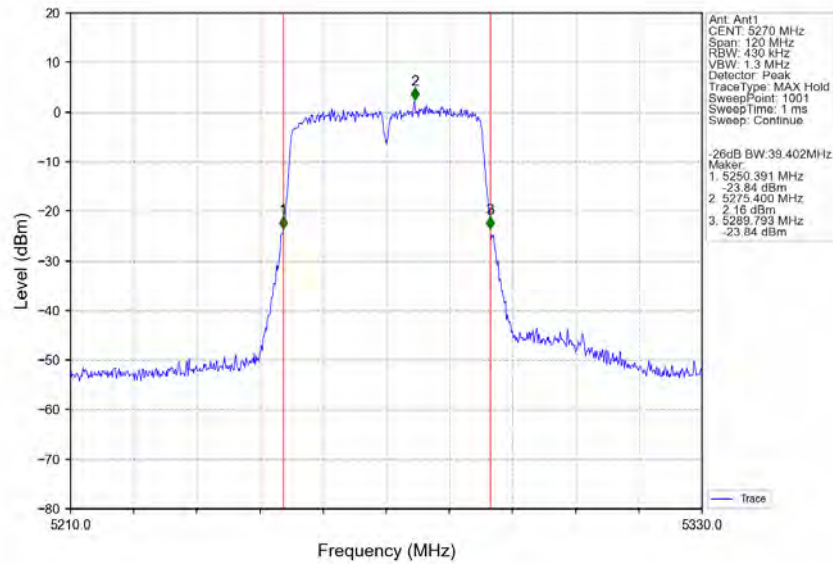
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

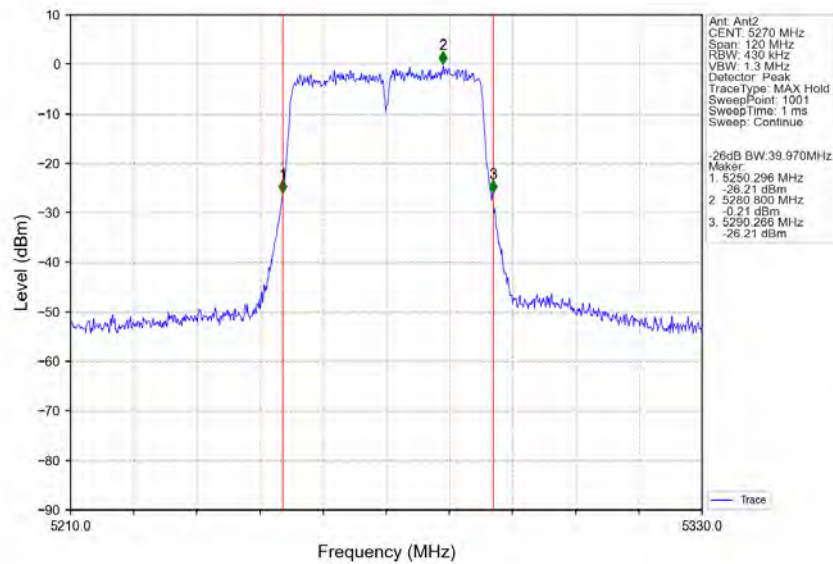
Report No.: KSCR240700123604

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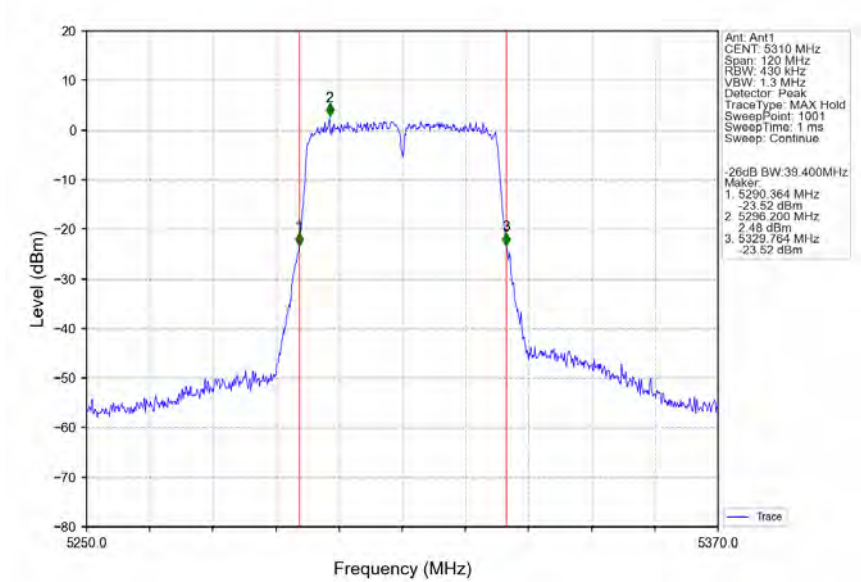
802.11ac(VHT40) LCH 5270MHz Ant1 NTN



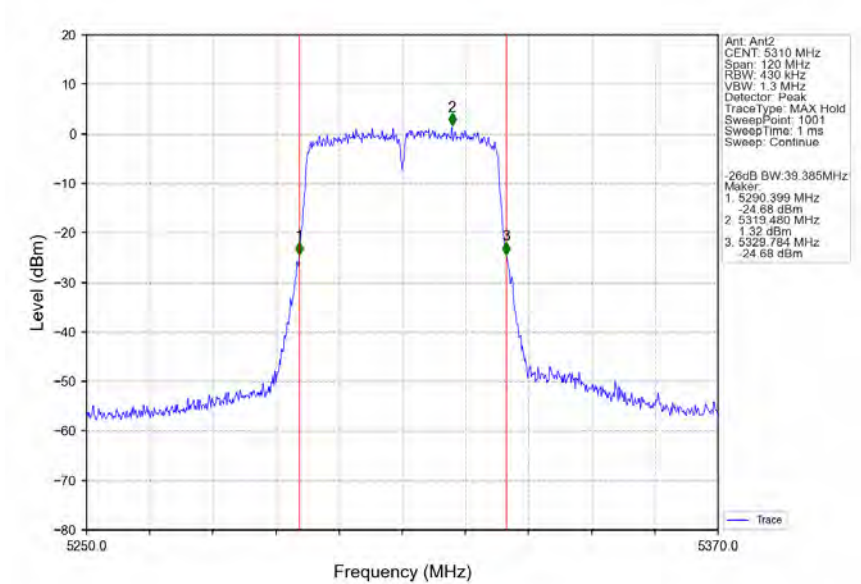
802.11ac(VHT40) LCH 5270MHz Ant2 NTN



802.11ac(VHT40) HCH 5310MHz Ant1 NTN



802.11ac(VHT40) HCH 5310MHz Ant2 NTN



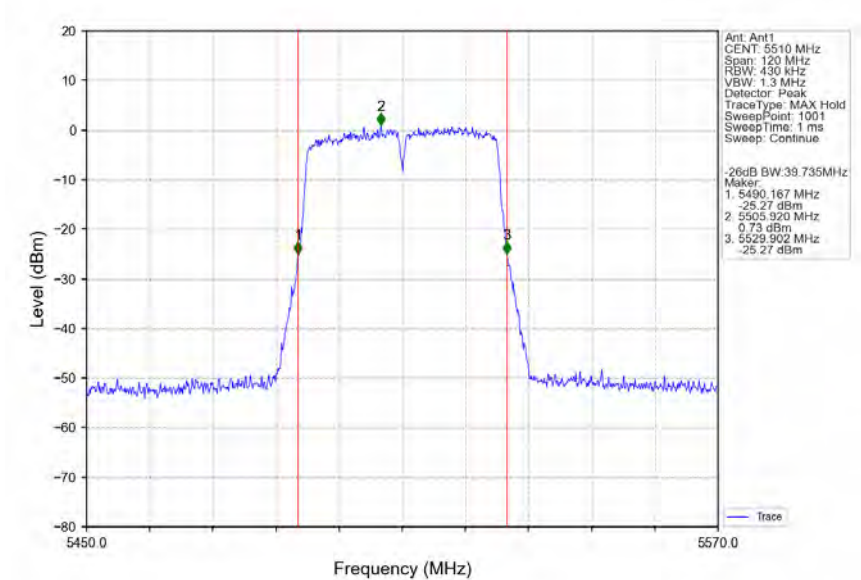
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

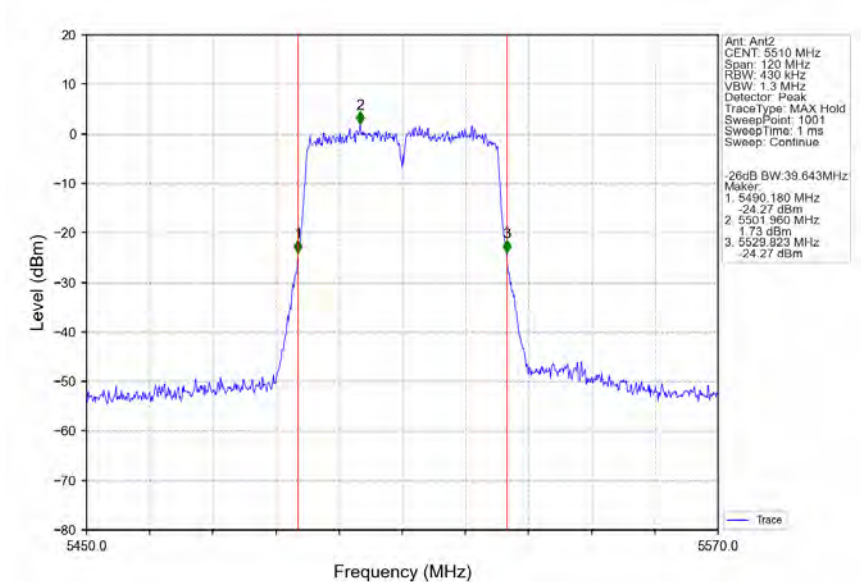
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802.11ac(VHT40) LCH\_5510MHz\_Ant1\_NTNV



802.11ac(VHT40) LCH\_5510MHz\_Ant2\_NTNV



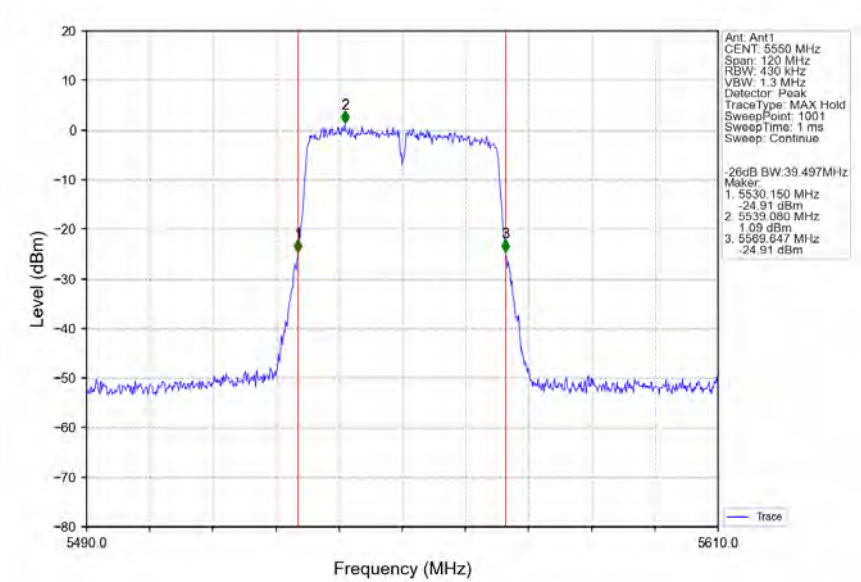
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

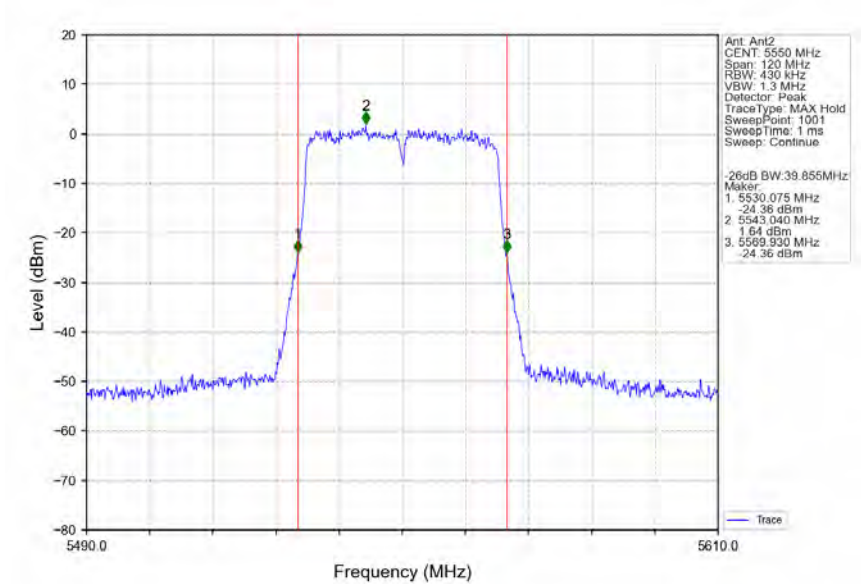
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802.11ac(VHT40) MCH\_5550MHz\_Ant1\_NTNV



802.11ac(VHT40) MCH\_5550MHz\_Ant2\_NTNV



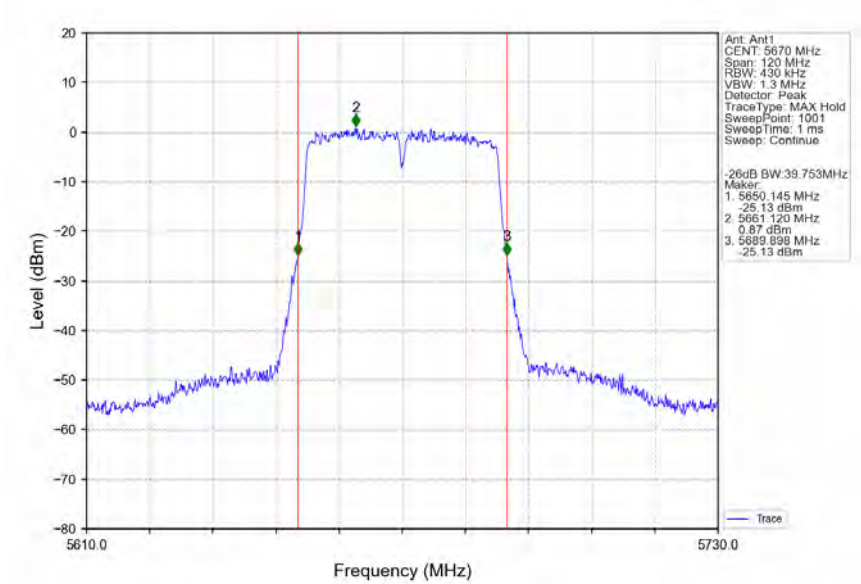
## Compliance Certification Services (Kunshan) Inc.

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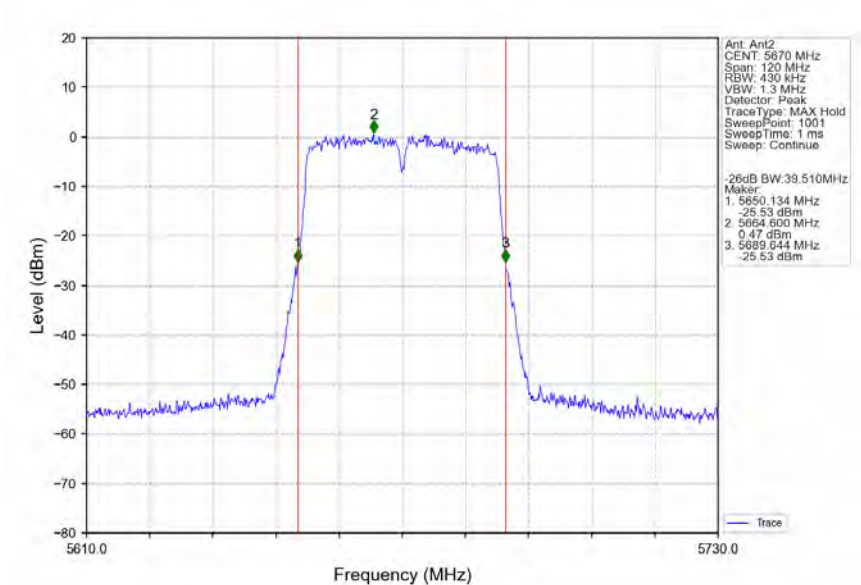
Report No.: KSCR240700123604

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802.11ac(VHT40) HCH 5670MHz Ant1 NTN



802.11ac(VHT40) HCH 5670MHz Ant2 NTN



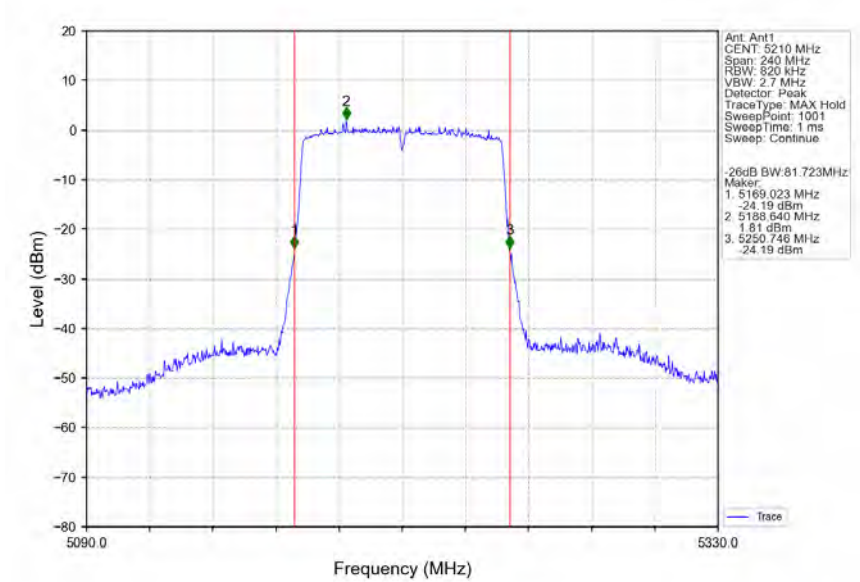
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

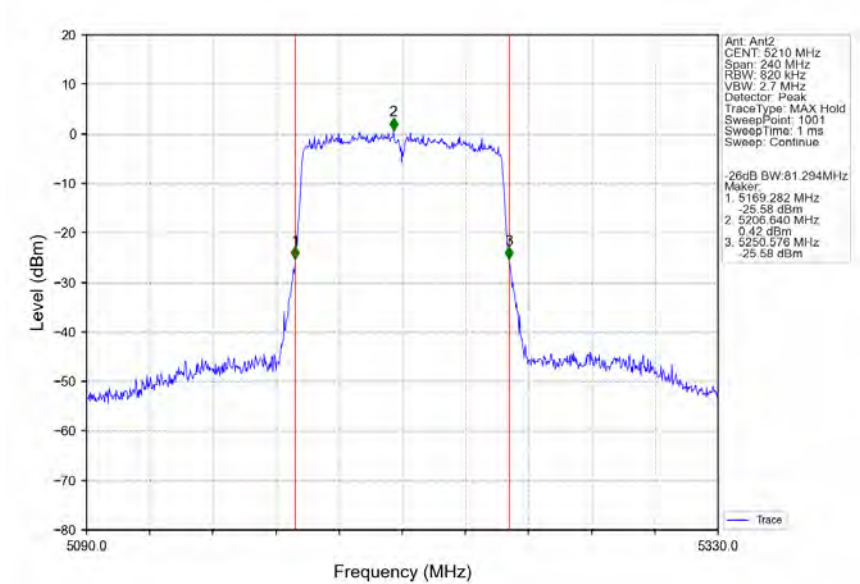
Report No.: KSCR240700123604

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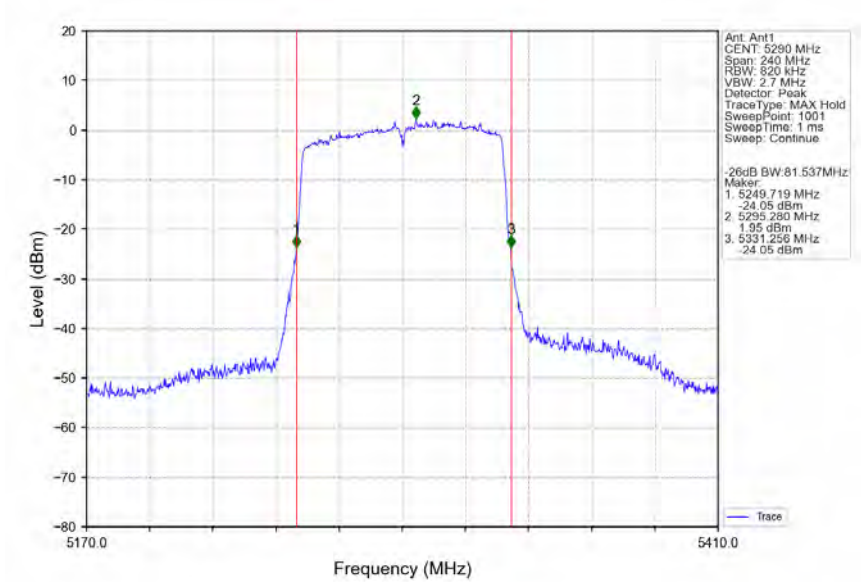
802.11ac(VHT80) MCH\_5210MHz\_Ant1\_NTNV



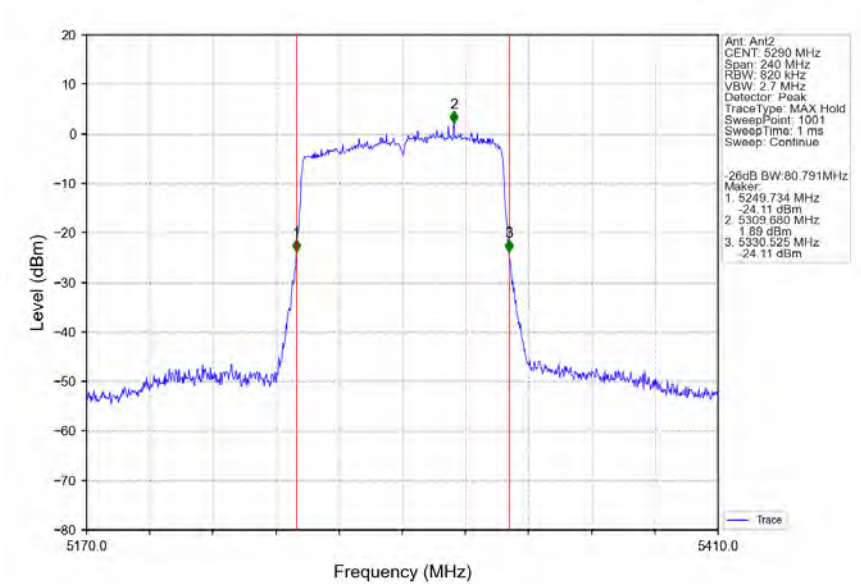
802.11ac(VHT80) MCH\_5210MHz\_Ant2\_NTNV



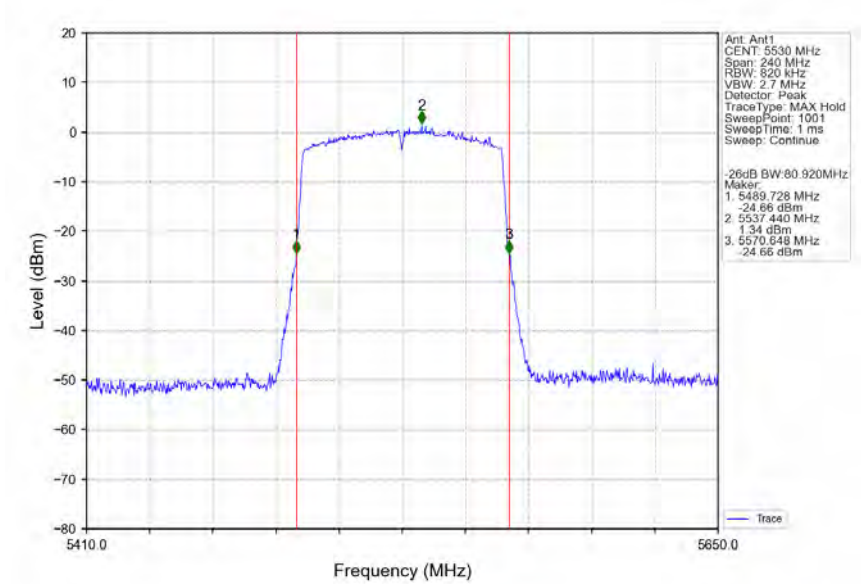
802.11ac(VHT80) MCH\_5290MHz Ant1 NTN



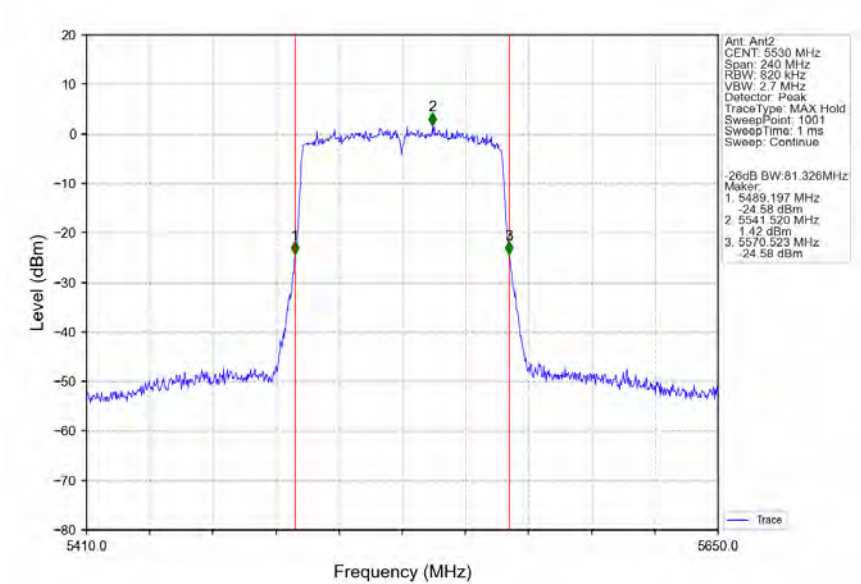
802.11ac(VHT80) MCH\_5290MHz Ant2 NTN



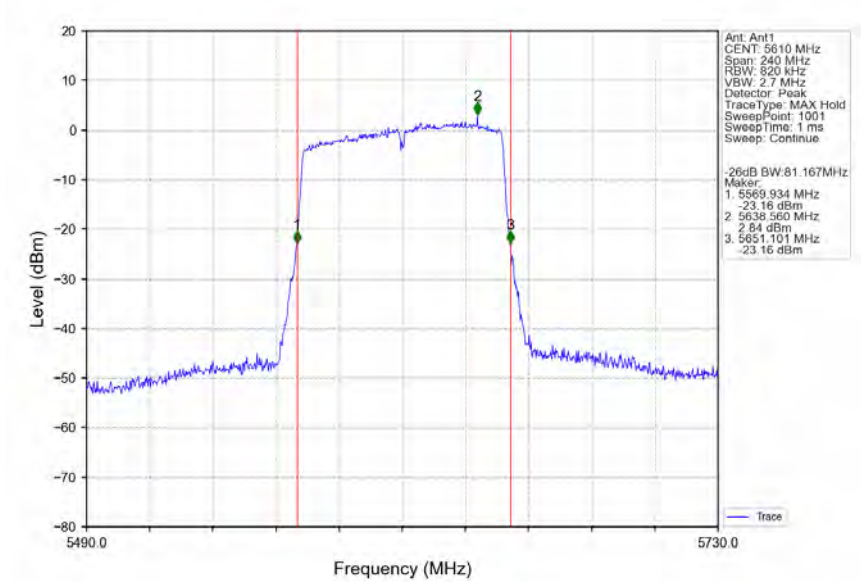
802.11ac(VHT80) LCH\_5530MHz\_Ant1\_NTNV



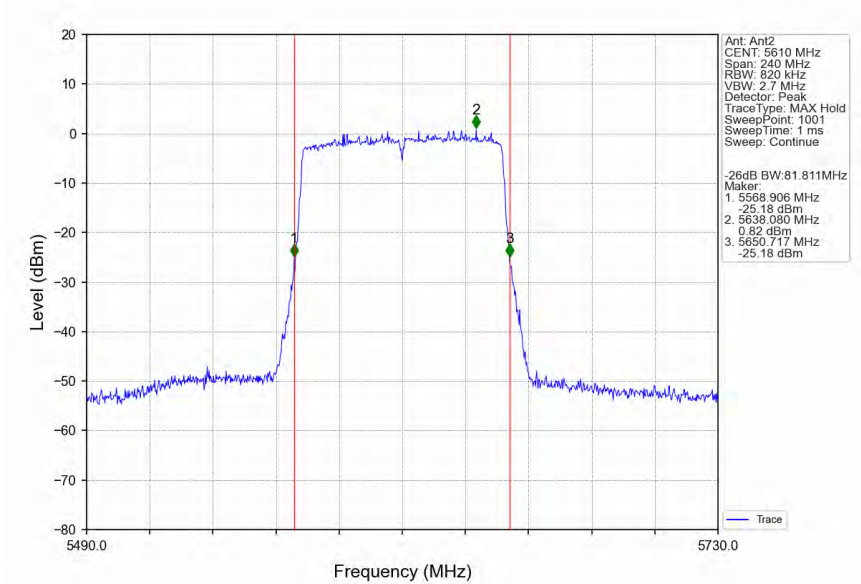
802.11ac(VHT80) LCH\_5530MHz\_Ant2\_NTNV



802.11ac(VHT80) HCH 5610MHz Ant1 NTN



802.11ac(VHT80) HCH 5610MHz Ant2 NTN



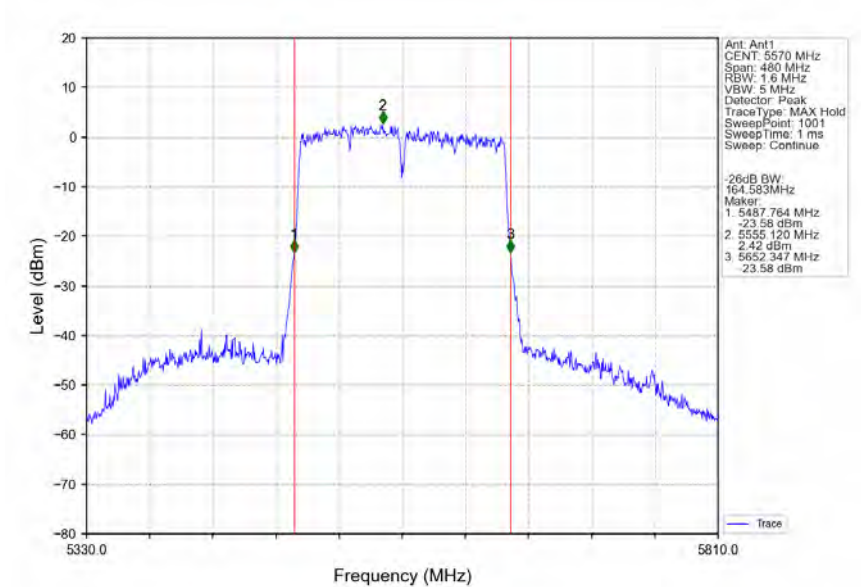
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

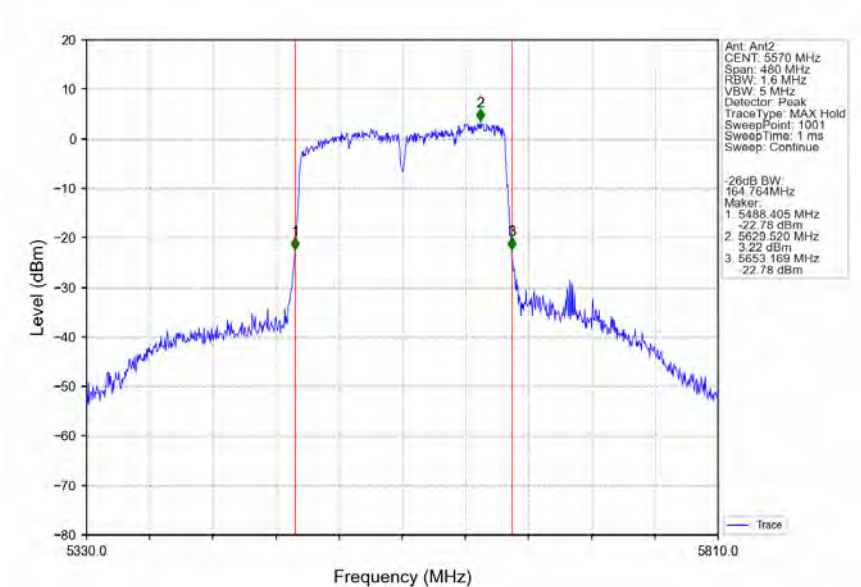
Report No.: KSCR240700123604

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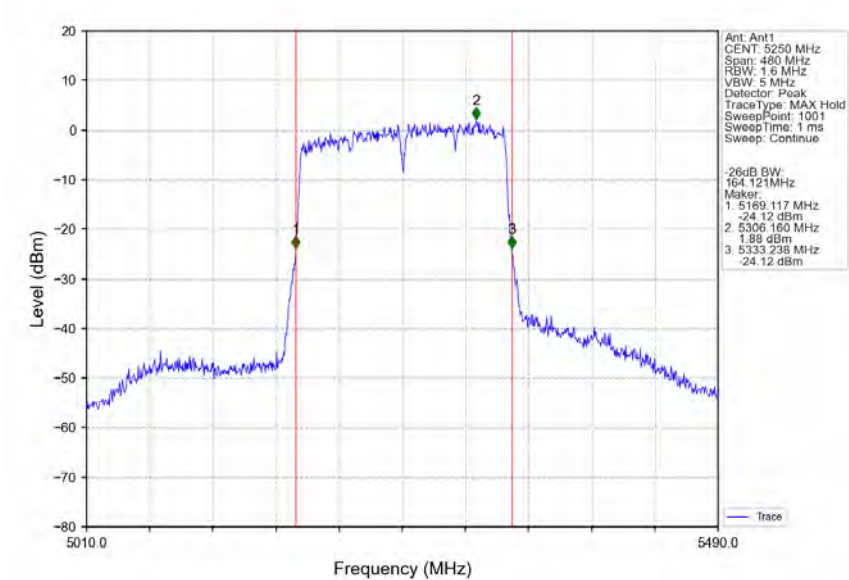
802.11ac(VHT160) MCH 5570MHz Ant1 NTN



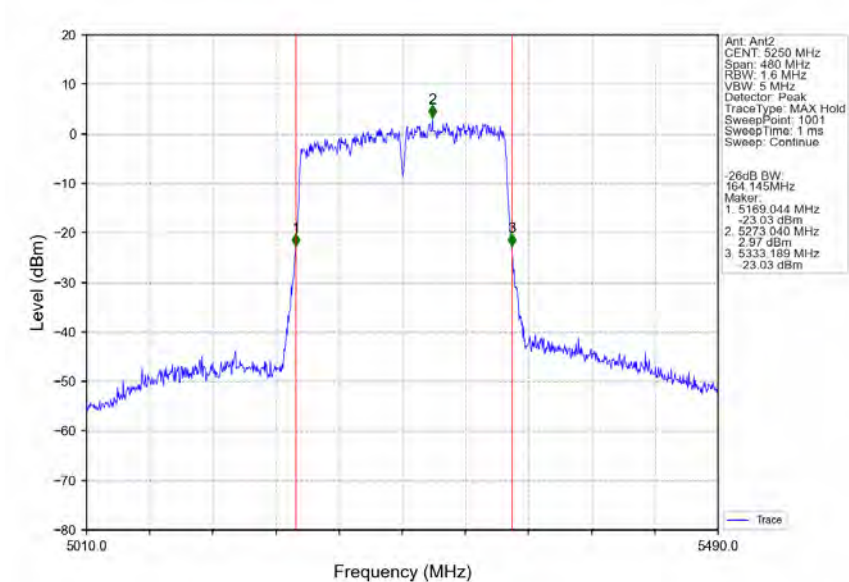
802.11ac(VHT160) MCH 5570MHz Ant2 NTN



802.11ac(VHT160) MCH 5250MHz Ant1 NTN



802.11ac(VHT160) MCH 5250MHz Ant2 NTN



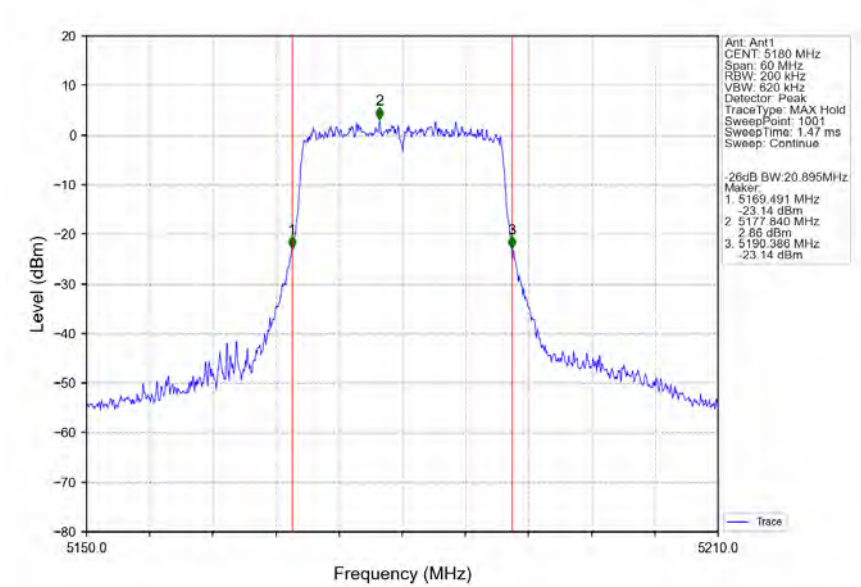
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

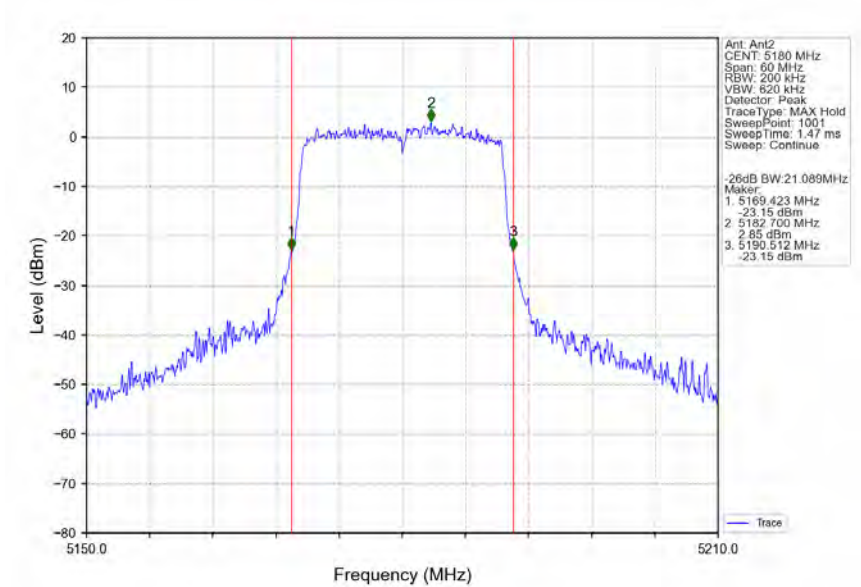
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802.11ax(HEW20) LCH 5180MHz RU242 Left Ant1 NTN



802.11ax(HEW20) LCH 5180MHz RU242 Left Ant2 NTN



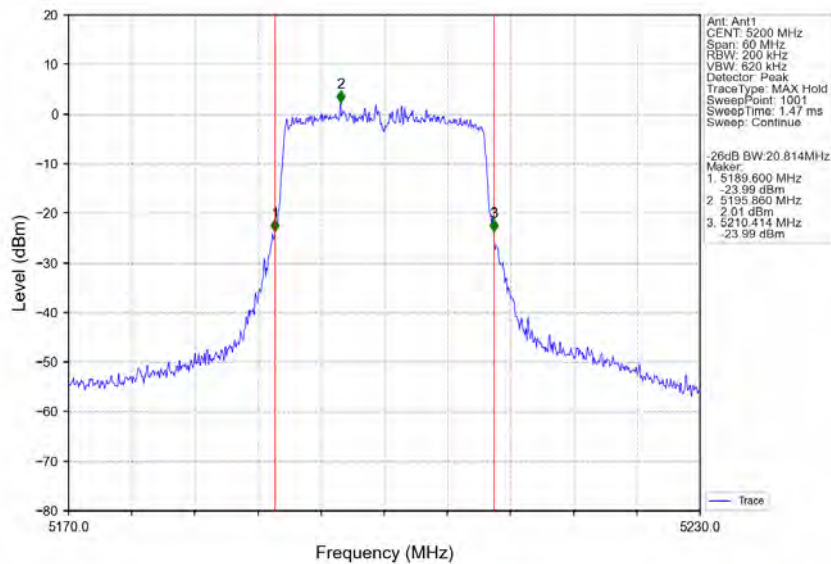
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

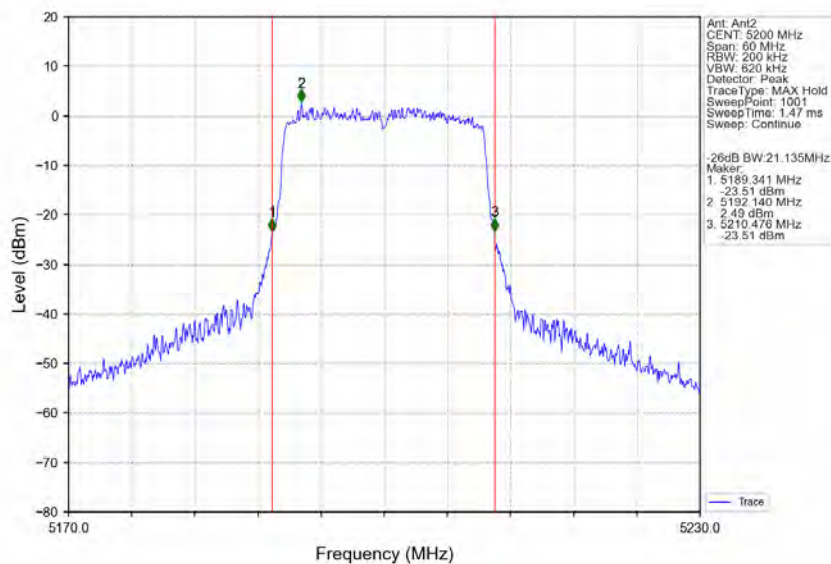
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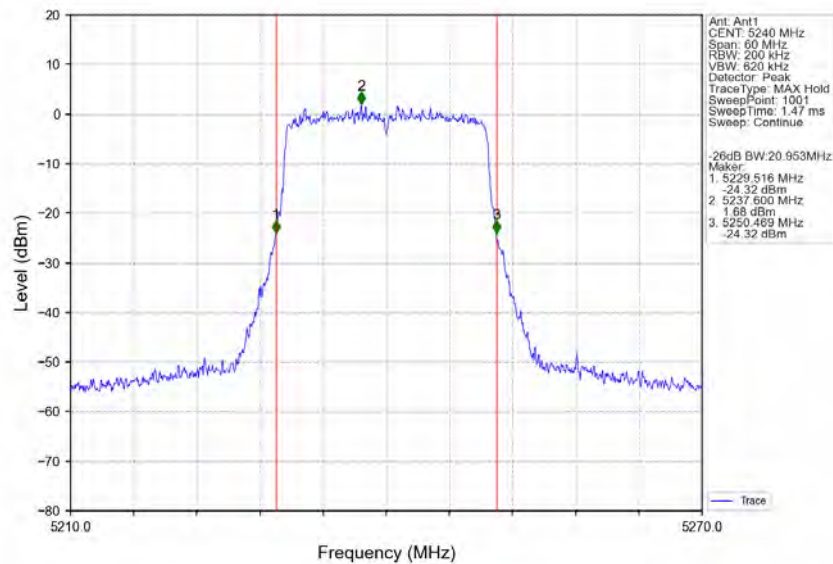
802.11ax(HEW20) MCH\_5200MHz RU242 Left Ant1 NTNv



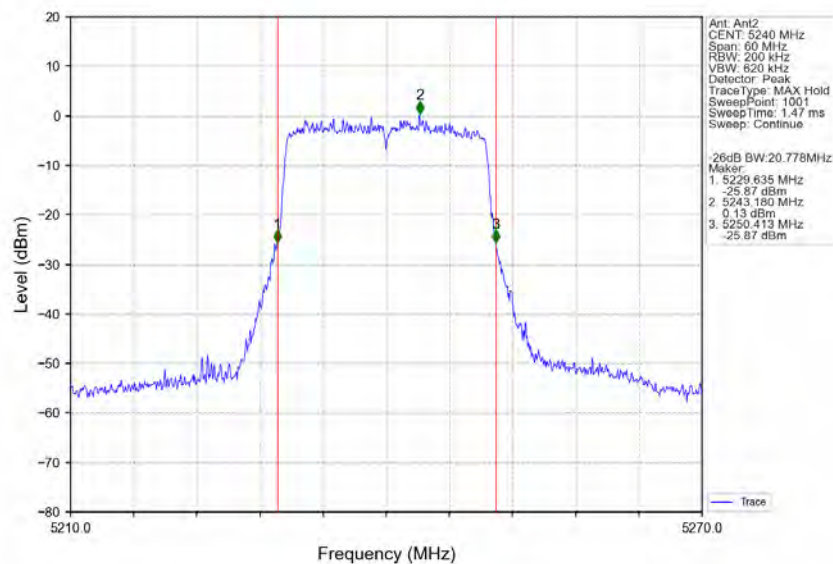
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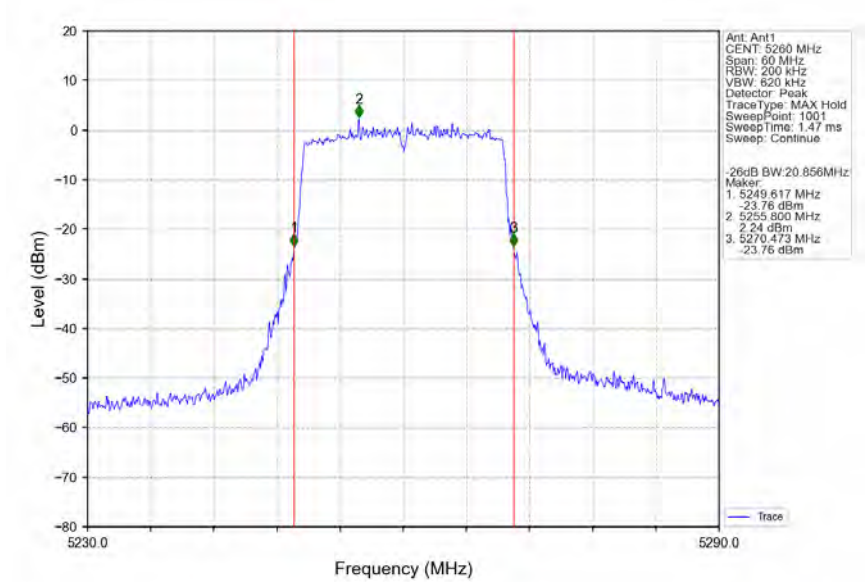
802.11ax(HEW20) HCH 5240MHz RU242 Left Ant1 NTN



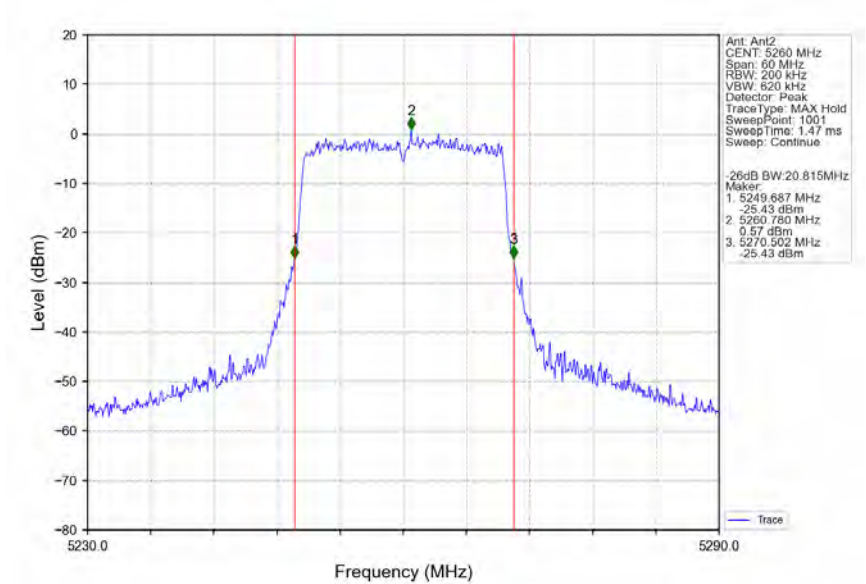
802.11ax(HEW20) HCH 5240MHz RU242 Left Ant2 NTN



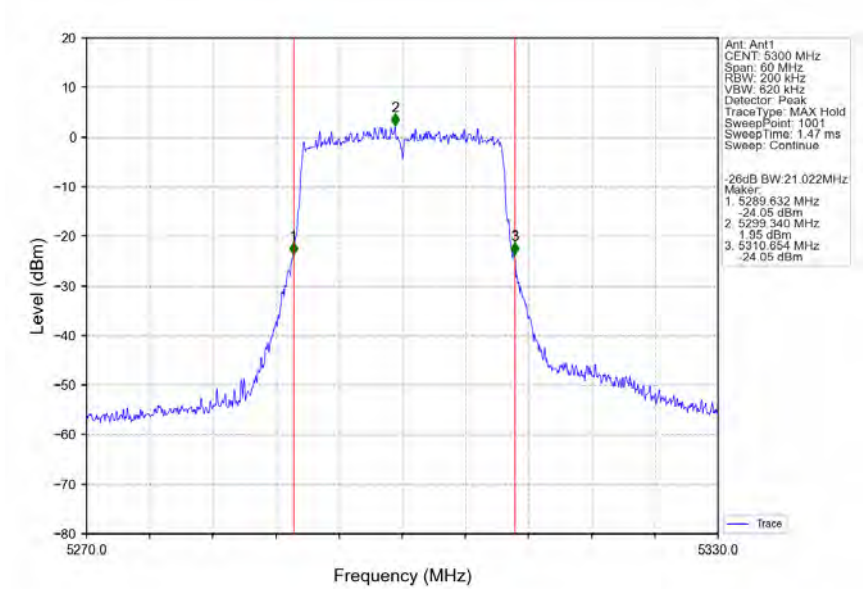
802.11ax(HEW20) LCH 5260MHz RU242 Left Ant1 NTN



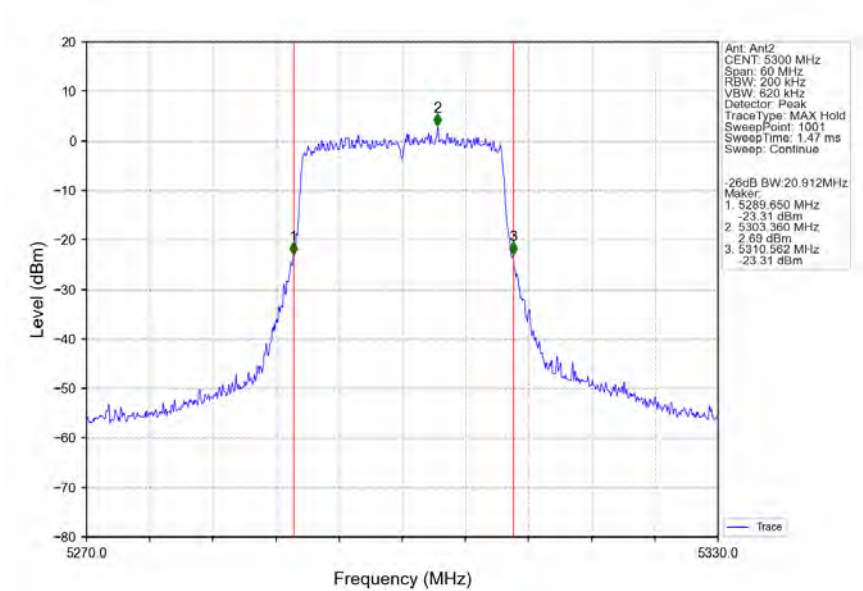
802.11ax(HEW20) LCH 5260MHz RU242 Left Ant2 NTN



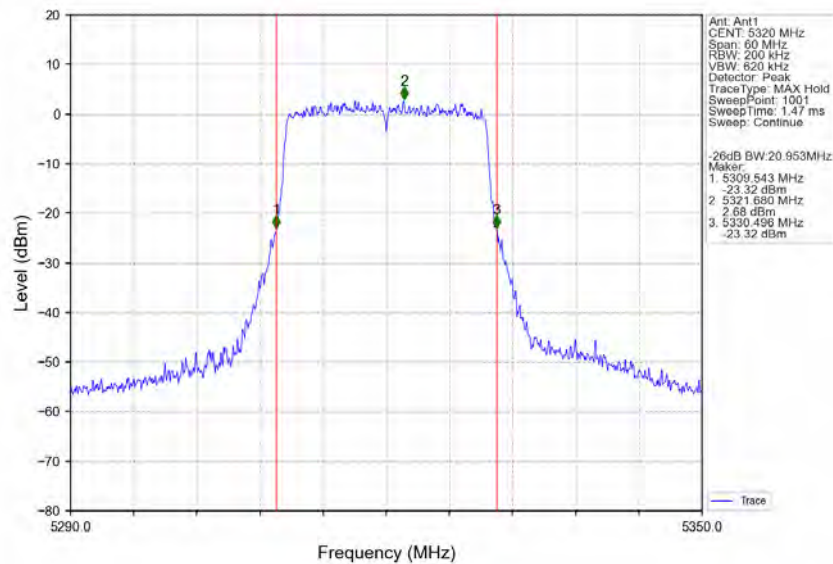
802.11ax(HEW20) MCH\_5300MHz RU242 Left Ant1 NTNv



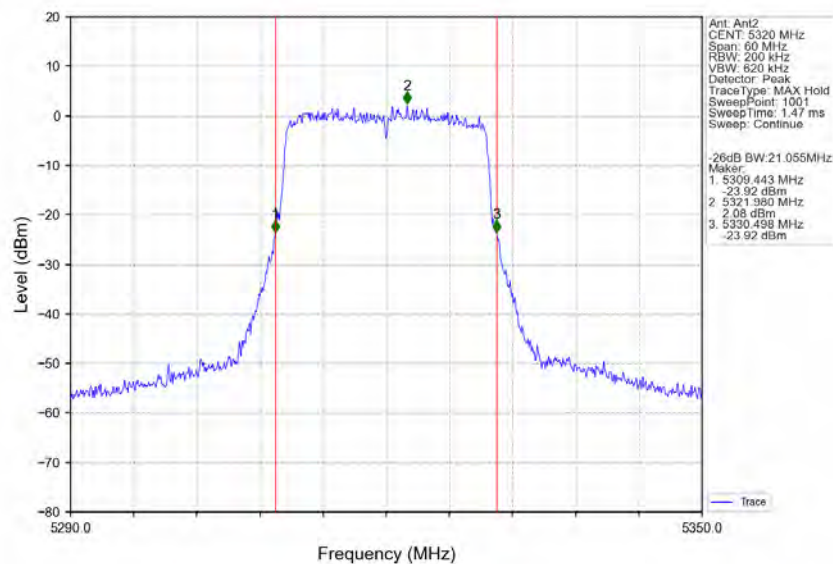
802.11ax(HEW20) MCH\_5300MHz RU242 Left Ant2 NTNv



802.11ax(HEW20) HCH 5320MHz RU242 Left Ant1 NTN



802.11ax(HEW20) HCH 5320MHz RU242 Left Ant2 NTN



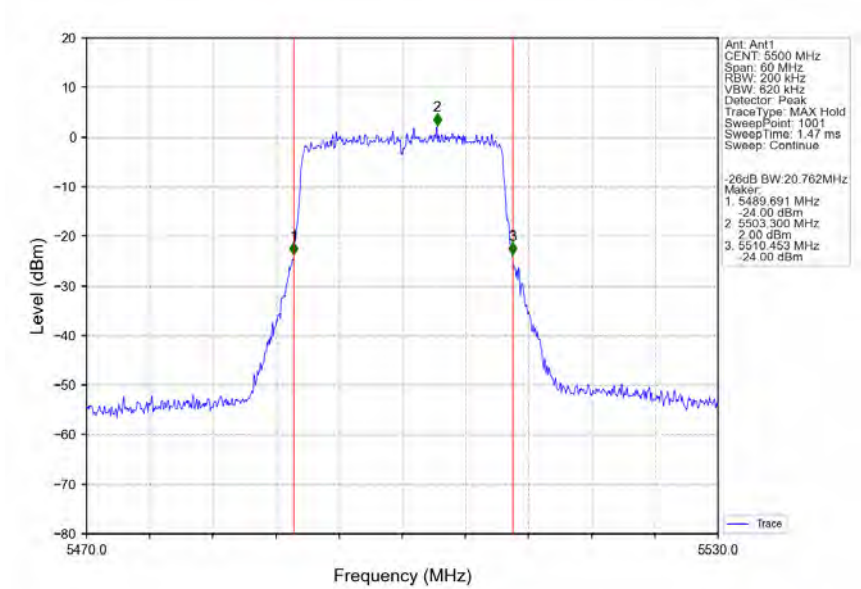
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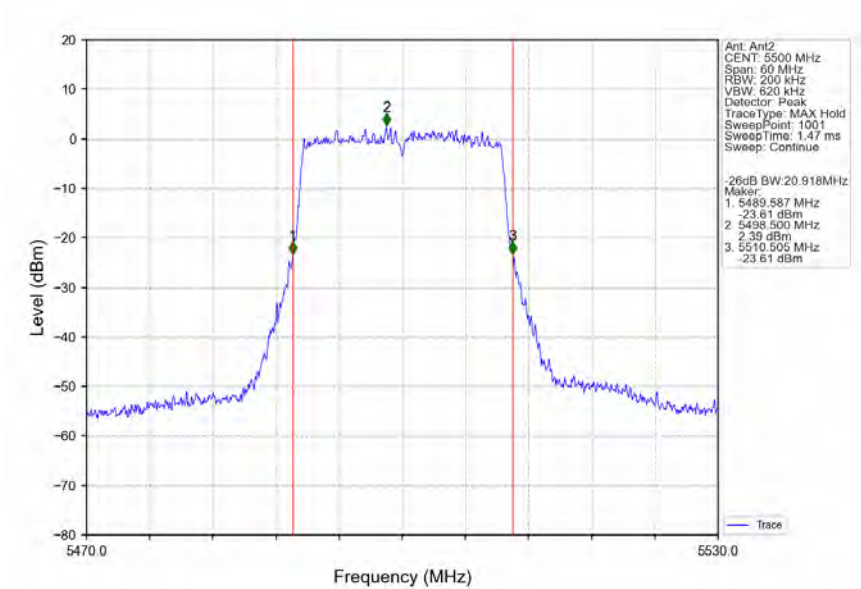
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802.11ax(HEW20) LCH 5500MHz RU242 Left Ant1 NTNW



802.11ax(HEW20) LCH 5500MHz RU242 Left Ant2 NTNW



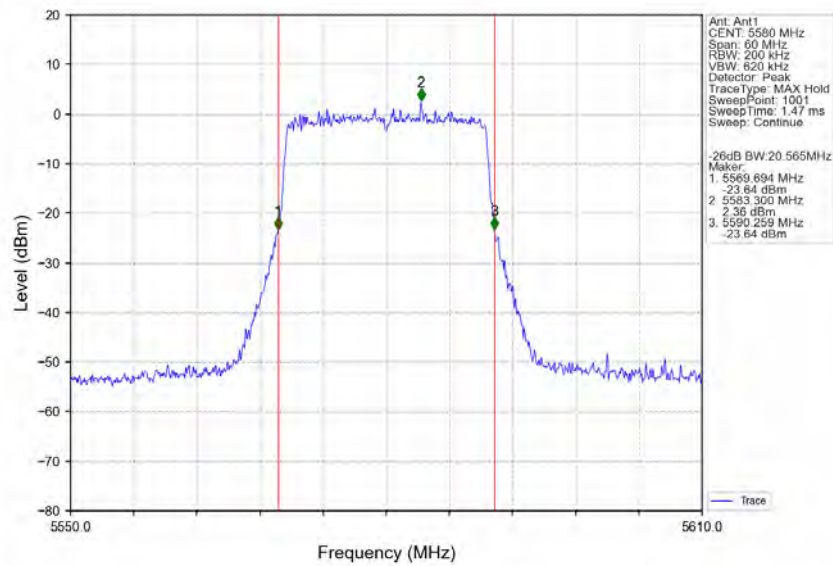
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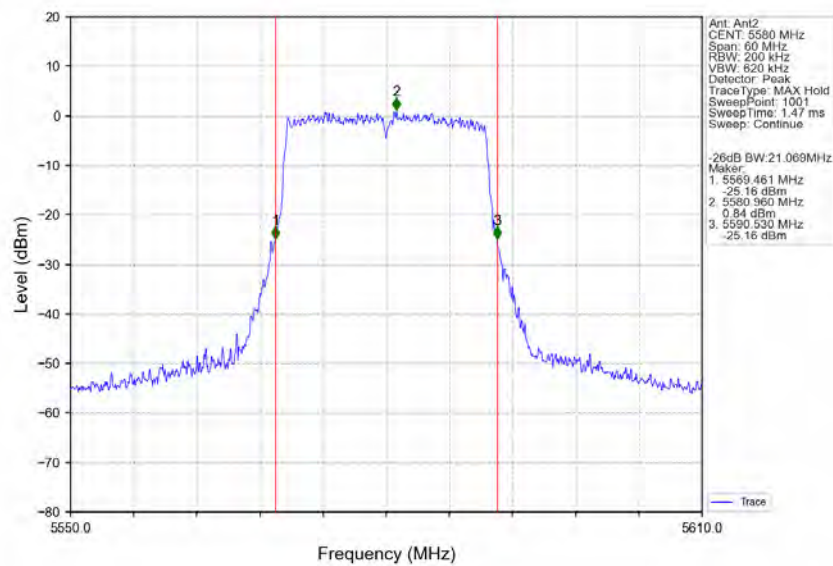
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802.11ax(HEW20) MCH\_5580MHz RU242 Left Ant1 NTNv



802.11ax(HEW20) MCH\_5580MHz RU242 Left Ant2 NTNv



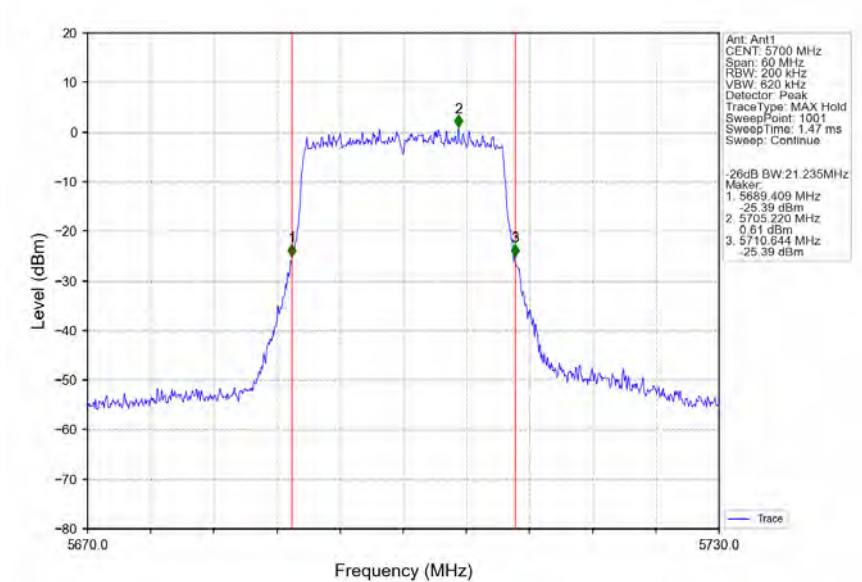
## Compliance Certification Services (Kunshan) Inc.

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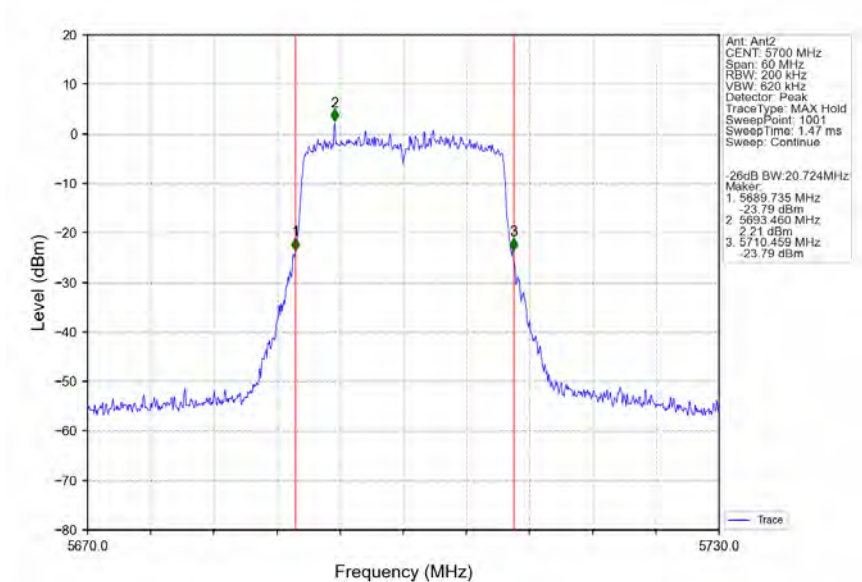
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802.11ax(HEW20) HCH 5700MHz RU242 Left Ant1 NTN



802.11ax(HEW20) HCH 5700MHz RU242 Left Ant2 NTN



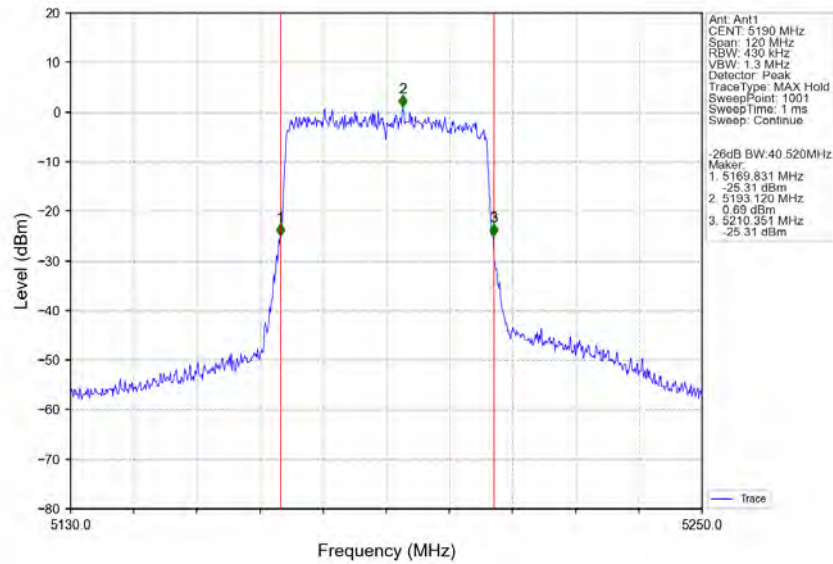
## Compliance Certification Services (Kunshan) Inc.

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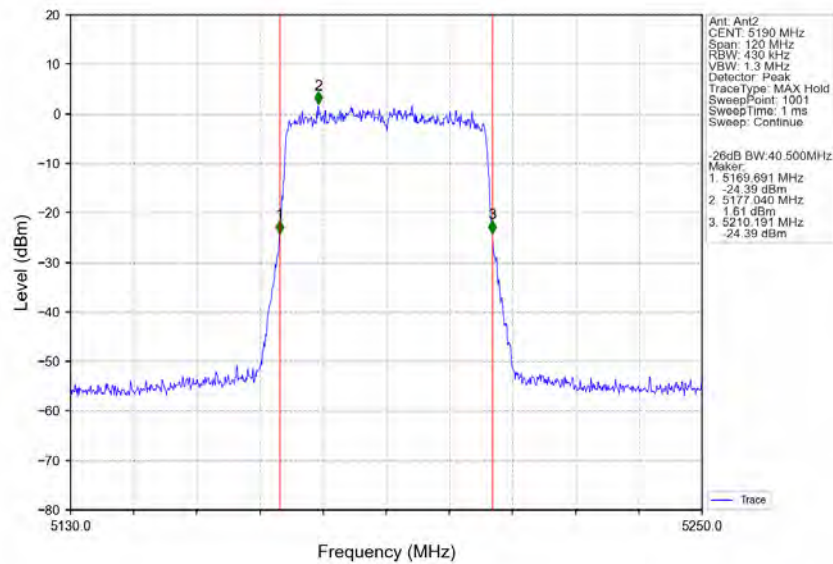
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802.11ax(HEW40) LCH 5190MHz RU484 Left Ant1 NTN



802.11ax(HEW40) LCH 5190MHz RU484 Left Ant2 NTN



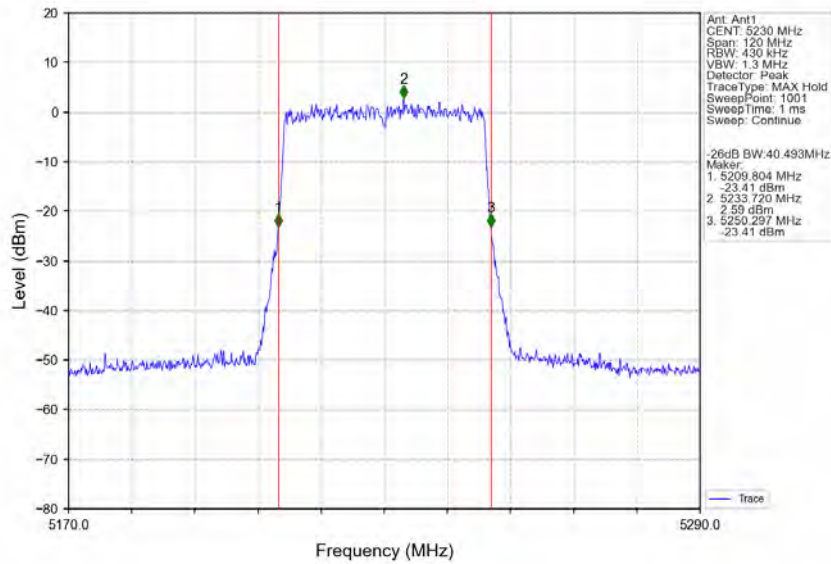
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

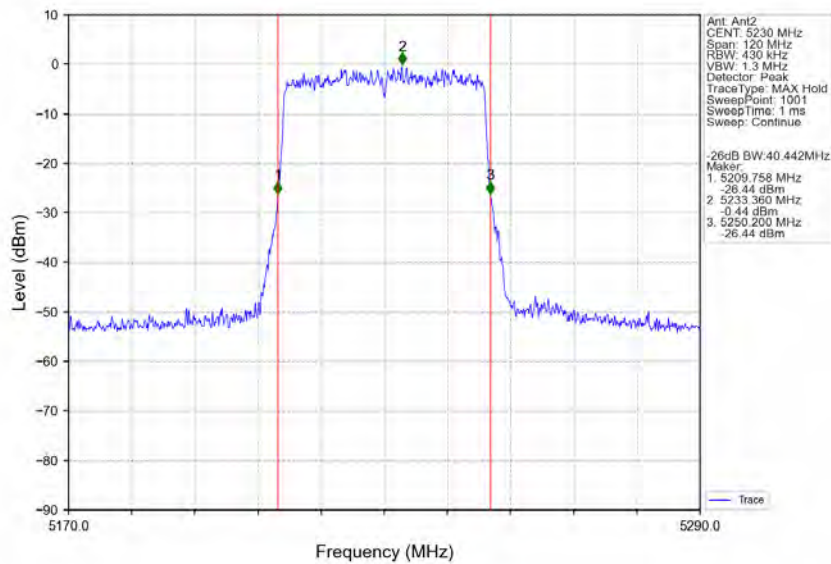
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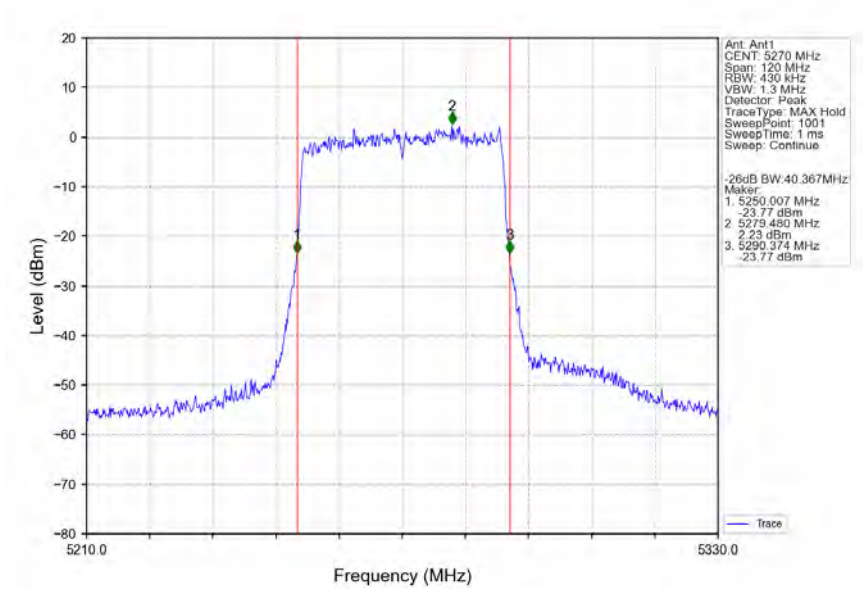
802.11ax(HEW40) HCH 5230MHz RU484 Left Ant1 NTN



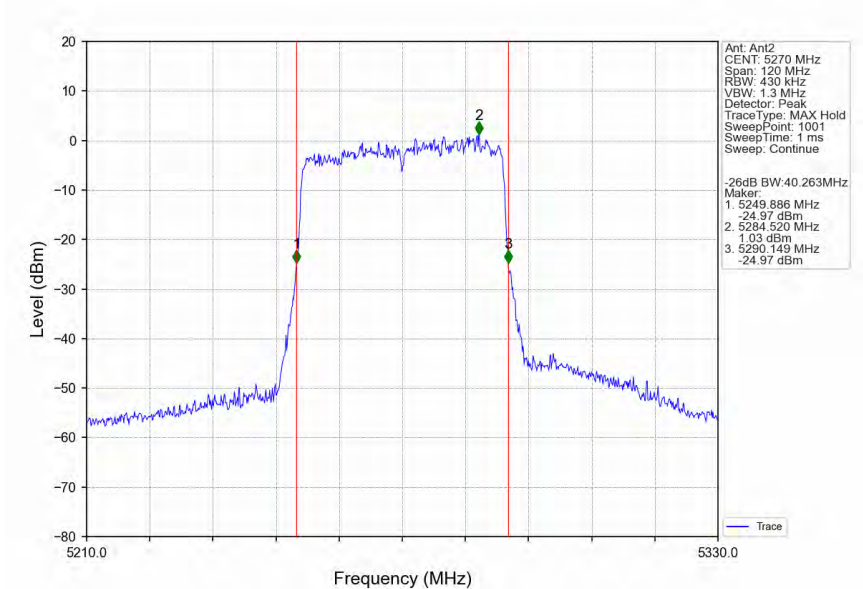
802.11ax(HEW40) HCH 5230MHz RU484 Left Ant2 NTN



802.11ax(HEW40) LCH 5270MHz RU484 Left Ant1 NTN



802.11ax(HEW40) LCH 5270MHz RU484 Left Ant2 NTN



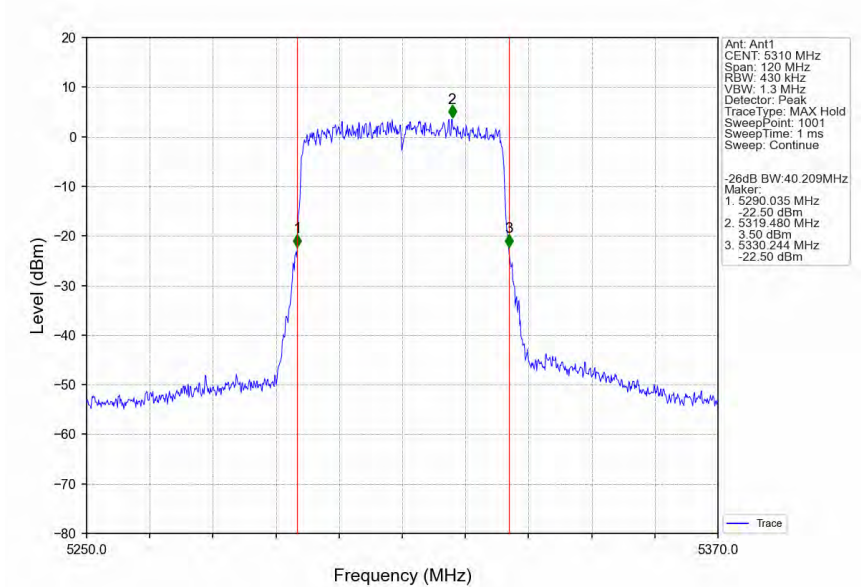
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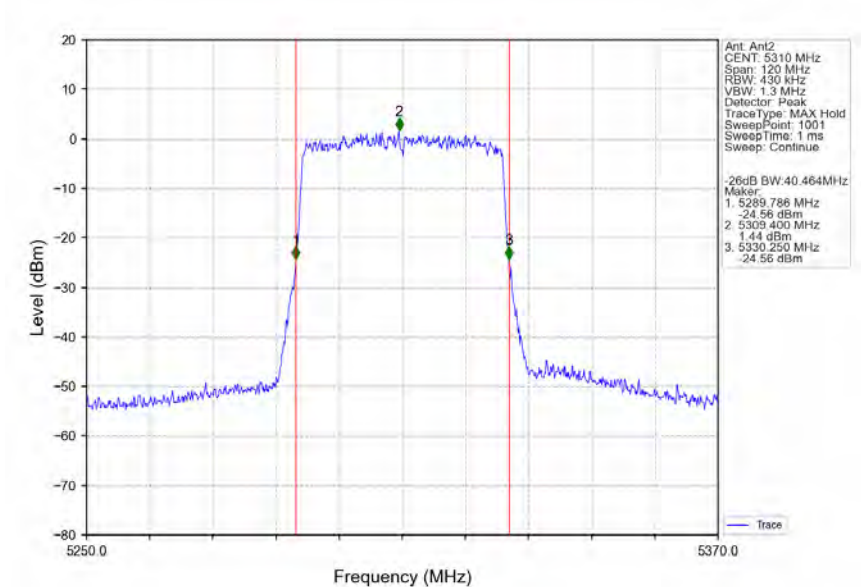
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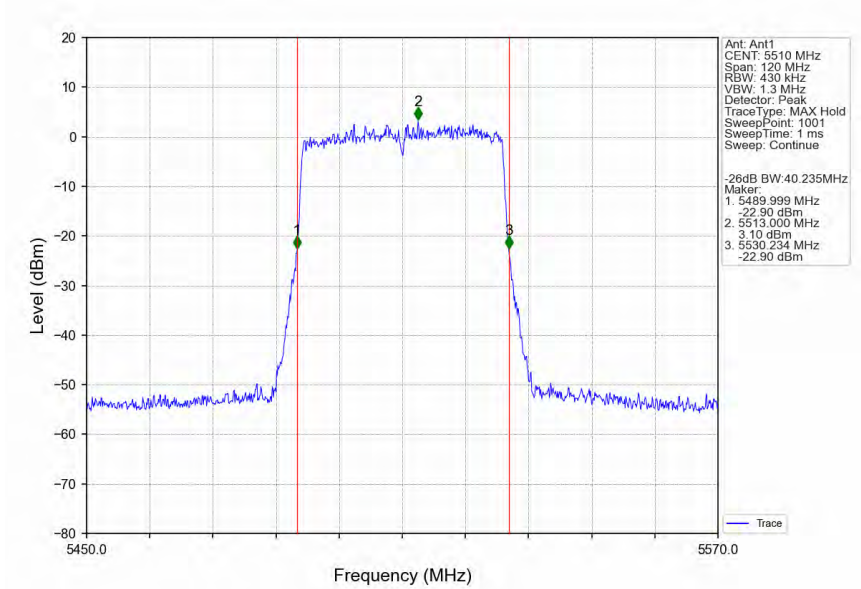
802.11ax(HEW40) HCH 5310MHz RU484 Left Ant1 NTN



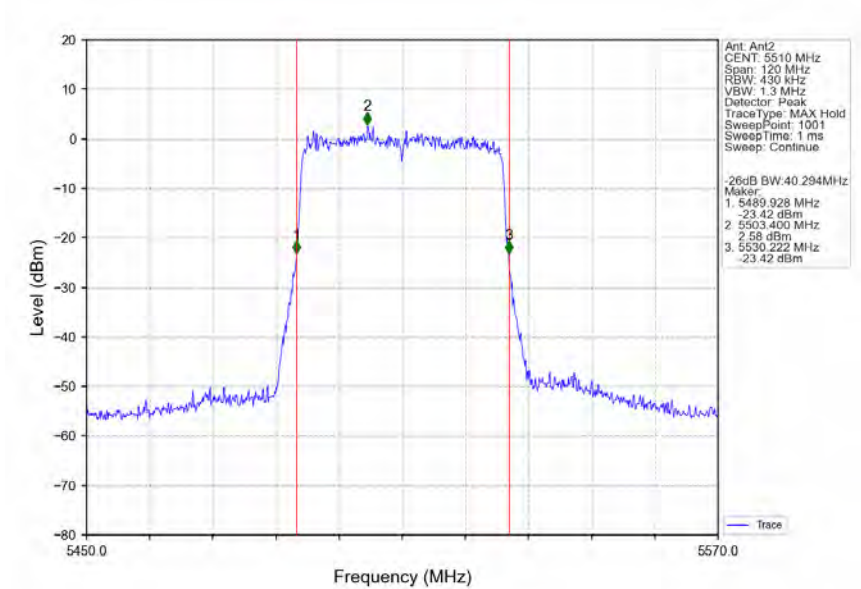
802.11ax(HEW40) HCH 5310MHz RU484 Left Ant2 NTN



802.11ax(HEW40) LCH 5510MHz RU484 Left Ant1 NTN



802.11ax(HEW40) LCH 5510MHz RU484 Left Ant2 NTN



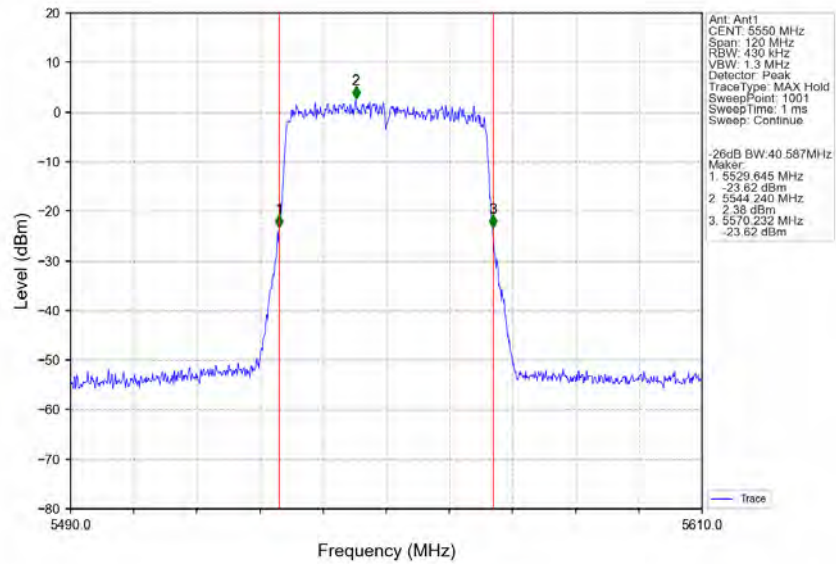
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

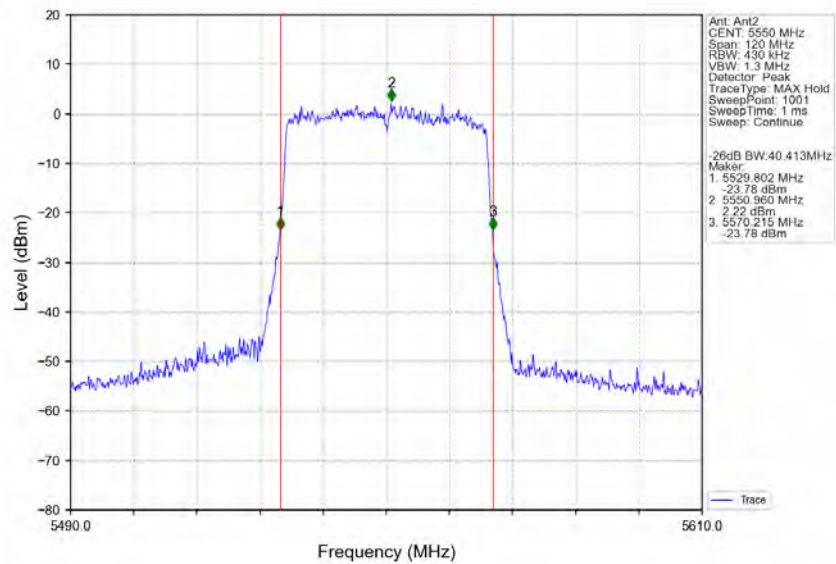
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802.11ax(HEW40) MCH\_5550MHz RU484 Left Ant1 NTNv



802.11ax(HEW40) MCH\_5550MHz RU484 Left Ant2 NTNv



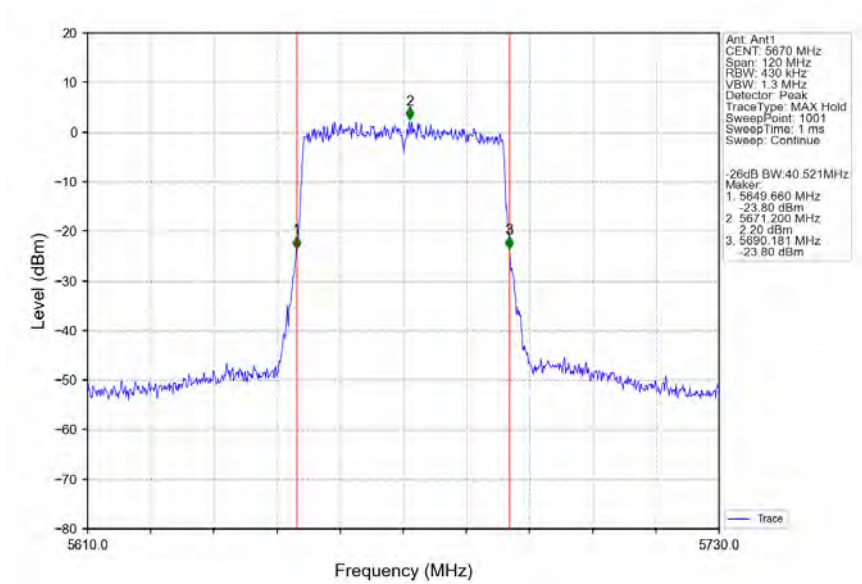
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

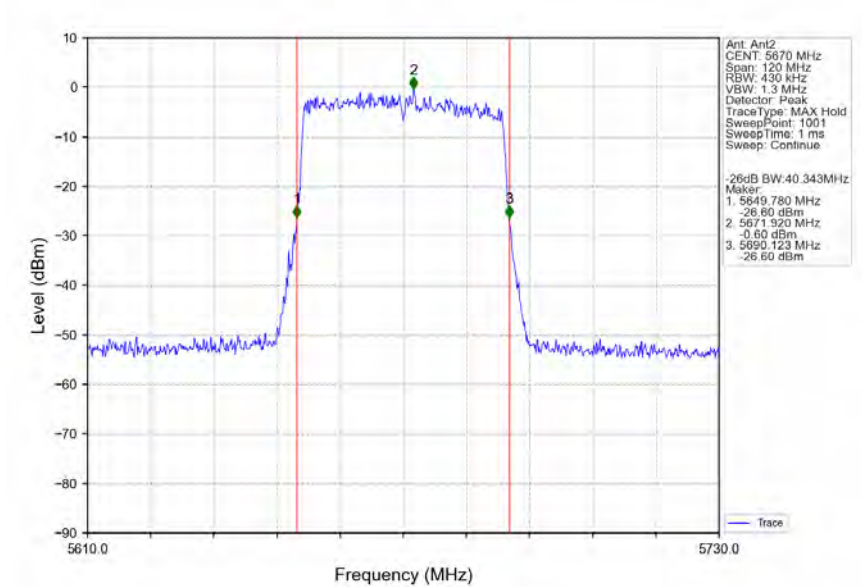
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802.11ax(HEW40) HCH 5670MHz RU484 Left Ant1 NTN



802.11ax(HEW40) HCH 5670MHz RU484 Left Ant2 NTN



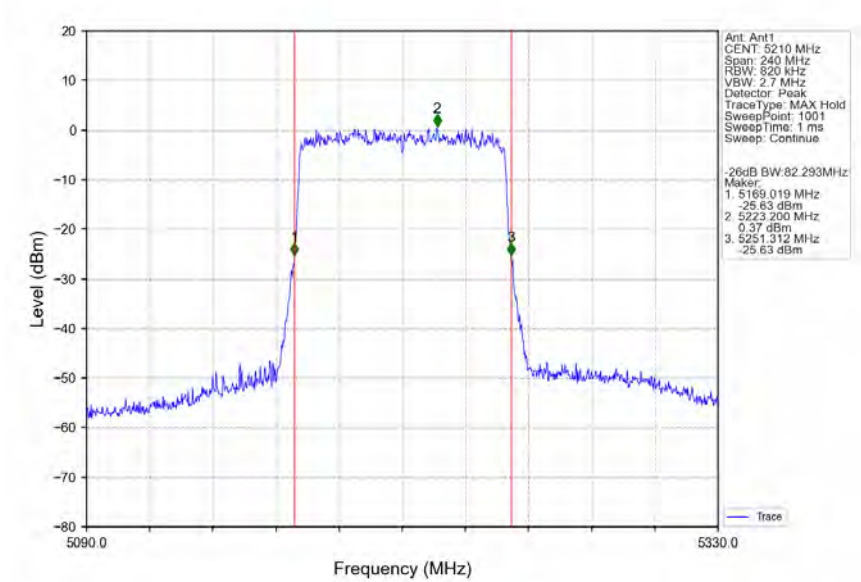
## Compliance Certification Services (Kunshan) Inc.

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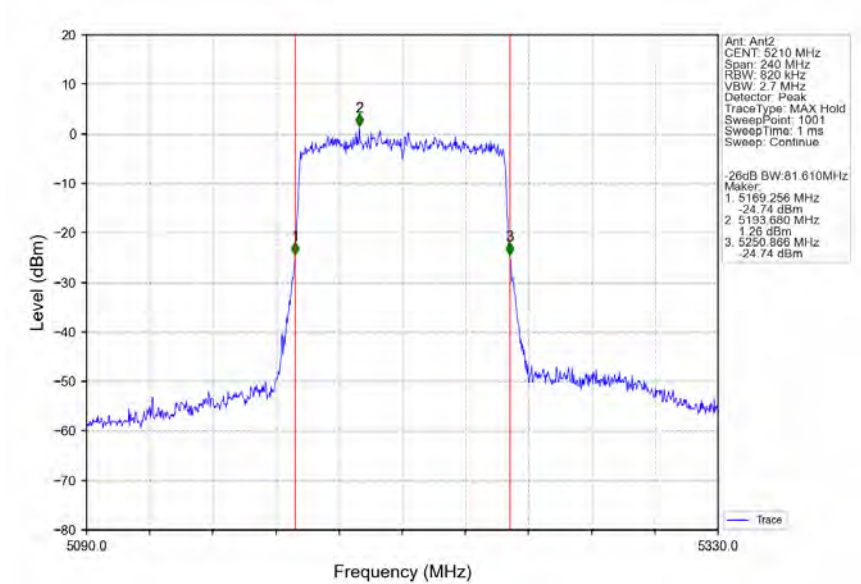
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802.11ax(HEW80) MCH\_5210MHz RU996 Left Ant1 NTNv



802.11ax(HEW80) MCH\_5210MHz RU996 Left Ant2 NTNv



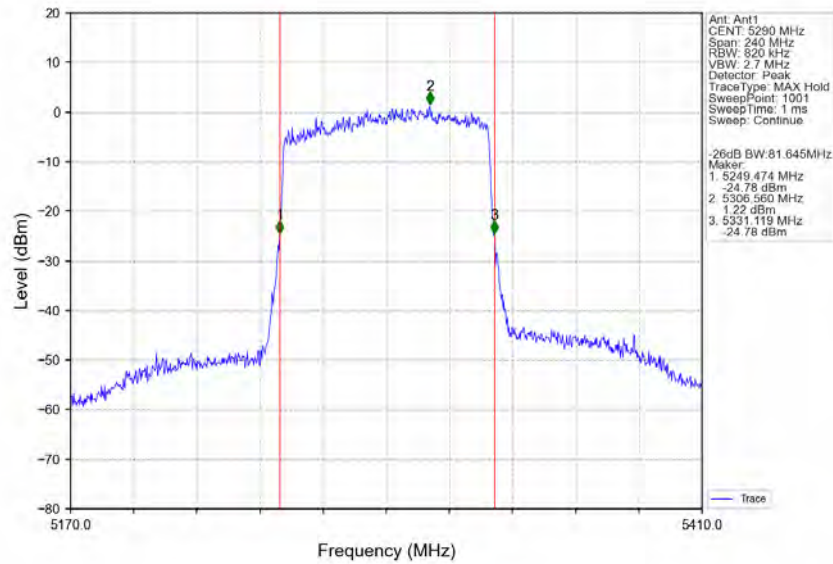
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

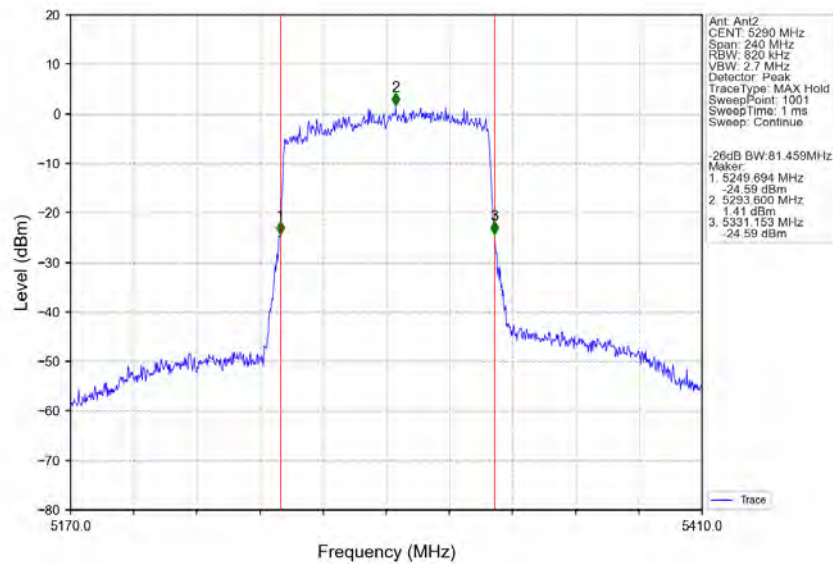
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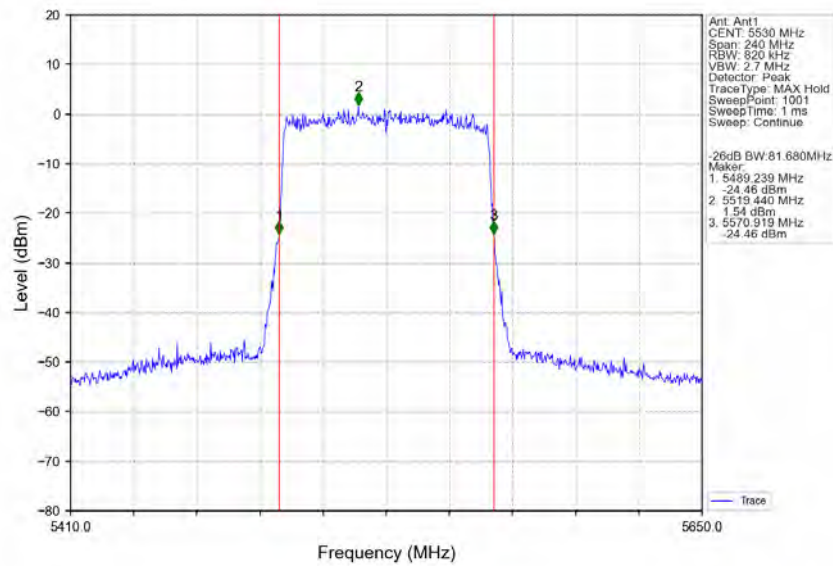
802.11ax(HEW80) MCH\_5290MHz RU996 Left Ant1 NTNv



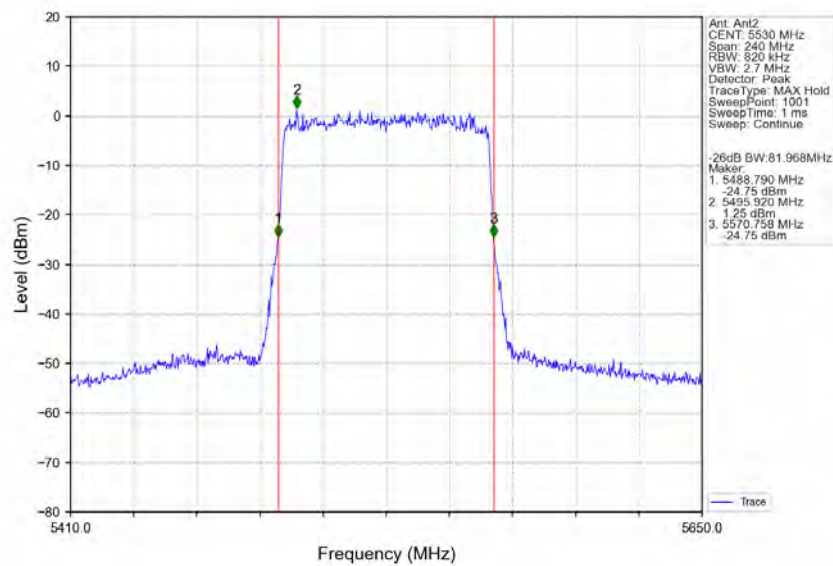
802.11ax(HEW80) MCH\_5290MHz RU996 Left Ant2 NTNv



802.11ax(HEW80) LCH 5530MHz RU996 Left Ant1 NTN



802.11ax(HEW80) LCH 5530MHz RU996 Left Ant2 NTN



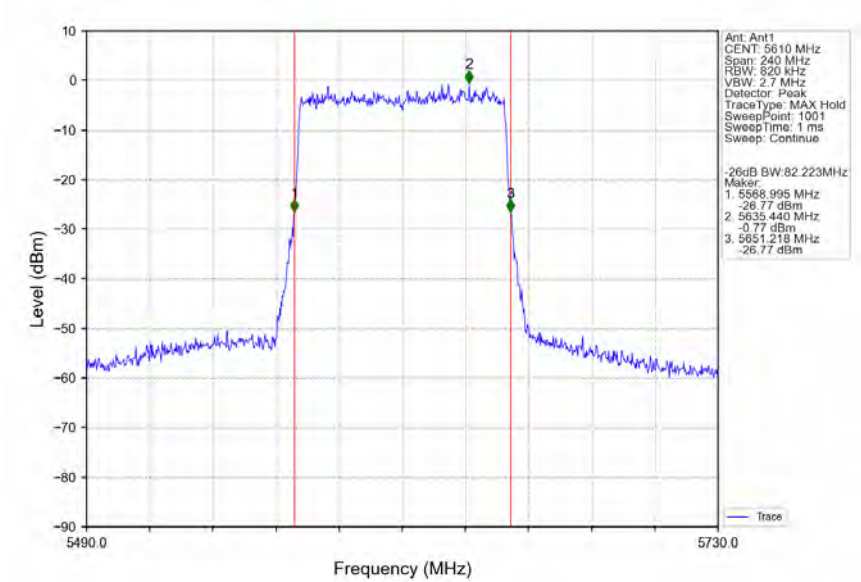
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

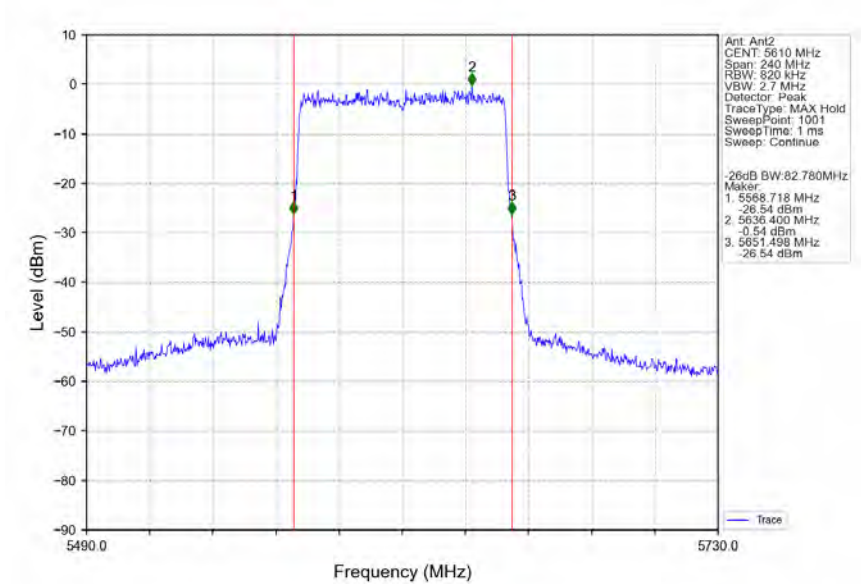
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802.11ax(HEW80) HCH 5610MHz RU996 Left Ant1 NTN



802.11ax(HEW80) HCH 5610MHz RU996 Left Ant2 NTN



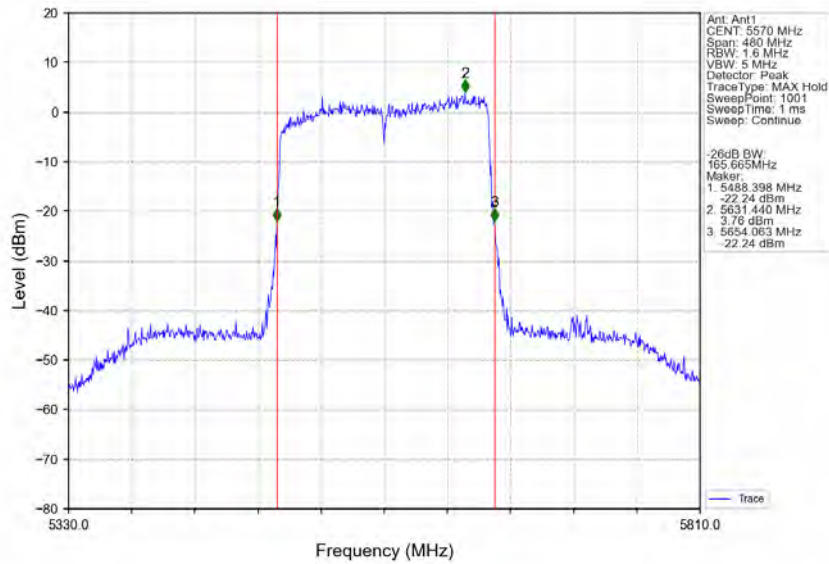
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

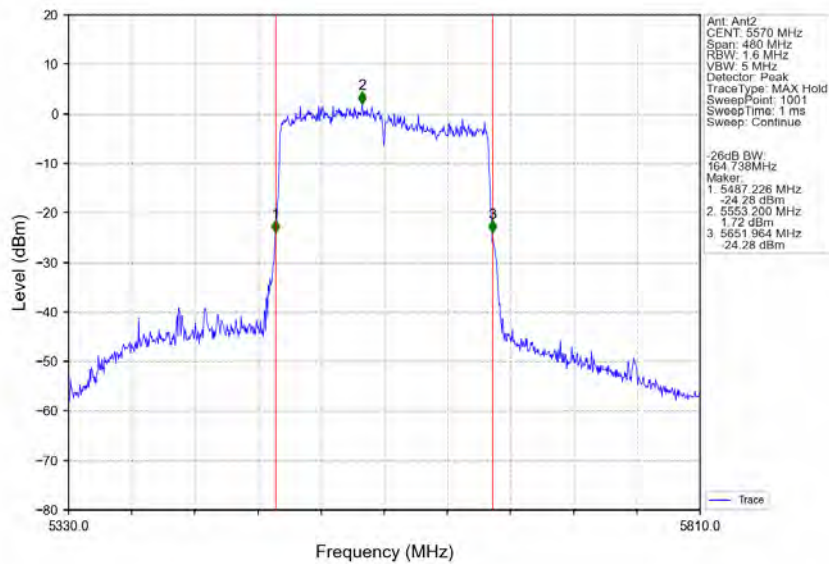
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802.11ax(HEW160) MCH 5570MHz 2xRU996 Left Ant1 NTNV



802.11ax(HEW160) MCH 5570MHz 2xRU996 Left Ant2 NTNV



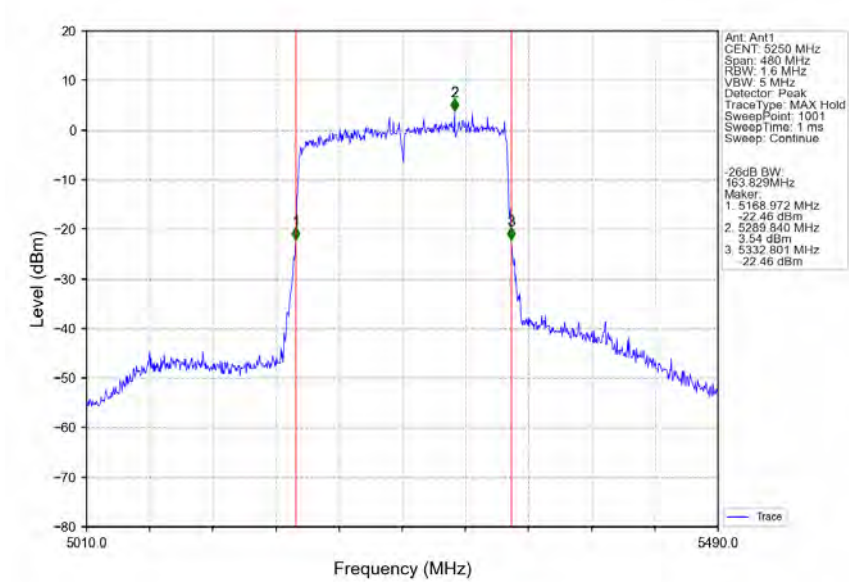
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

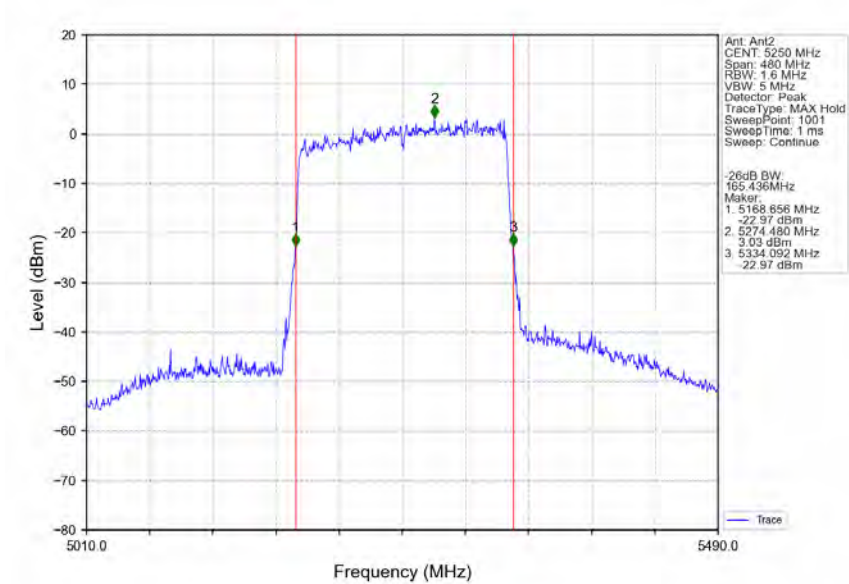
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802.11ax(HEW160) MCH 5250MHz 2xRU996 Left Ant1 NTNV



802.11ax(HEW160) MCH 5250MHz 2xRU996 Left Ant2 NTNV



## 3. Maximum Conducted Output Power

### 3.1 Test Result

#### 3.1.1 Power

| Mode              | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum Average Conducted Output Power (dBm) |       |       |         | Verdict |
|-------------------|---------|-----------------|-------|--------|----------------------------------------------|-------|-------|---------|---------|
|                   |         |                 |       |        | ANT1                                         | ANT2  | MIMO  | Limit   |         |
| 802.11a           | SISO    | 5180            | /     | /      | 13.55                                        | 13.10 | /     | <=23.98 | Pass    |
|                   |         | 5200            | /     | /      | 13.75                                        | 13.58 | /     | <=23.98 | Pass    |
|                   |         | 5240            | /     | /      | 13.20                                        | 13.06 | /     | <=23.98 | Pass    |
|                   |         | 5260            | /     | /      | 13.48                                        | 13.08 | /     | <=23.77 | Pass    |
|                   |         | 5300            | /     | /      | 13.51                                        | 13.33 | /     | <=23.82 | Pass    |
|                   |         | 5320            | /     | /      | 13.22                                        | 13.63 | /     | <=23.75 | Pass    |
|                   |         | 5500            | /     | /      | 13.41                                        | 13.45 | /     | <=23.84 | Pass    |
|                   |         | 5580            | /     | /      | 13.60                                        | 13.21 | /     | <=23.86 | Pass    |
|                   |         | 5700            | /     | /      | 13.52                                        | 13.47 | /     | <=23.8  | Pass    |
|                   |         | 5745            | /     | /      | 13.15                                        | 13.26 | /     | <=30    | Pass    |
|                   |         | 5785            | /     | /      | 13.70                                        | 13.62 | /     | <=30    | Pass    |
|                   |         | 5825            | /     | /      | 13.33                                        | 13.53 | /     | <=30    | Pass    |
| 802.11ac (VHT20)  | MIMO    | 5180            | /     | /      | 9.91                                         | 10.17 | 13.05 | <=23.98 | Pass    |
|                   |         | 5200            | /     | /      | 9.96                                         | 10.19 | 13.09 | <=23.98 | Pass    |
|                   |         | 5240            | /     | /      | 11.22                                        | 9.61  | 13.50 | <=23.98 | Pass    |
|                   |         | 5260            | /     | /      | 10.95                                        | 9.37  | 13.24 | <=23.98 | Pass    |
|                   |         | 5300            | /     | /      | 11.52                                        | 9.98  | 13.83 | <=23.98 | Pass    |
|                   |         | 5320            | /     | /      | 11.52                                        | 10.25 | 13.94 | <=23.98 | Pass    |
|                   |         | 5500            | /     | /      | 11.03                                        | 10.42 | 13.75 | <=23.98 | Pass    |
|                   |         | 5580            | /     | /      | 11.08                                        | 9.31  | 13.29 | <=23.98 | Pass    |
|                   |         | 5700            | /     | /      | 10.36                                        | 10.24 | 13.31 | <=23.98 | Pass    |
|                   |         | 5745            | /     | /      | 10.24                                        | 10.38 | 13.32 | <=30    | Pass    |
|                   |         | 5785            | /     | /      | 10.56                                        | 10.80 | 13.69 | <=30    | Pass    |
|                   |         | 5825            | /     | /      | 10.39                                        | 10.19 | 13.30 | <=30    | Pass    |
| 802.11ac (VHT40)  | MIMO    | 5190            | /     | /      | 9.73                                         | 11.20 | 13.54 | <=23.98 | Pass    |
|                   |         | 5230            | /     | /      | 10.70                                        | 9.53  | 13.16 | <=23.98 | Pass    |
|                   |         | 5270            | /     | /      | 11.70                                        | 10.06 | 13.97 | <=23.98 | Pass    |
|                   |         | 5310            | /     | /      | 10.98                                        | 10.53 | 13.77 | <=23.98 | Pass    |
|                   |         | 5510            | /     | /      | 10.78                                        | 11.00 | 13.90 | <=23.98 | Pass    |
|                   |         | 5550            | /     | /      | 11.22                                        | 9.54  | 13.47 | <=23.98 | Pass    |
|                   |         | 5670            | /     | /      | 11.25                                        | 8.96  | 13.26 | <=23.98 | Pass    |
|                   |         | 5755            | /     | /      | 10.39                                        | 10.61 | 13.51 | <=30    | Pass    |
| 802.11ac (VHT80)  | MIMO    | 5795            | /     | /      | 10.90                                        | 10.42 | 13.68 | <=30    | Pass    |
|                   |         | 5210            | /     | /      | 11.13                                        | 10.27 | 13.73 | <=23.98 | Pass    |
|                   |         | 5290            | /     | /      | 11.08                                        | 10.47 | 13.80 | <=23.98 | Pass    |
|                   |         | 5530            | /     | /      | 10.67                                        | 10.20 | 13.45 | <=23.98 | Pass    |
|                   |         | 5610            | /     | /      | 10.96                                        | 10.14 | 13.58 | <=23.98 | Pass    |
| 802.11ac (VHT160) | MIMO    | 5775            | /     | /      | 10.67                                        | 10.78 | 13.74 | <=30    | Pass    |
|                   |         | 5570            | /     | /      | 10.40                                        | 10.60 | 13.51 | <=23.98 | Pass    |
| 802.11ax          | MIMO    | 5250            | /     | /      | 10.11                                        | 10.50 | 13.32 | <=23.98 | Pass    |
|                   |         | 5180            | RU242 | Left   | 9.90                                         | 10.96 | 13.47 | <=23.98 | Pass    |

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|                      |      |      |         |      |       |       |       |         |      |
|----------------------|------|------|---------|------|-------|-------|-------|---------|------|
| (HEW20)              |      | 5200 | RU242   | Left | 10.30 | 11.02 | 13.69 | <=23.98 | Pass |
|                      |      | 5240 | RU242   | Left | 10.91 | 9.64  | 13.33 | <=23.98 | Pass |
|                      |      | 5260 | RU242   | Left | 10.68 | 9.42  | 13.11 | <=23.98 | Pass |
|                      |      | 5300 | RU242   | Left | 11.52 | 9.76  | 13.74 | <=23.98 | Pass |
|                      |      | 5320 | RU242   | Left | 11.69 | 9.97  | 13.92 | <=23.98 | Pass |
|                      |      | 5500 | RU242   | Left | 10.53 | 9.98  | 13.27 | <=23.98 | Pass |
|                      |      | 5580 | RU242   | Left | 11.29 | 9.21  | 13.38 | <=23.98 | Pass |
|                      |      | 5700 | RU242   | Left | 10.90 | 9.29  | 13.18 | <=23.98 | Pass |
|                      |      | 5745 | RU242   | Left | 11.13 | 10.16 | 13.68 | <=30    | Pass |
|                      |      | 5785 | RU242   | Left | 11.48 | 9.76  | 13.71 | <=30    | Pass |
| 802.11ax<br>(HEW40)  | MIMO | 5825 | RU242   | Left | 11.15 | 10.62 | 13.90 | <=30    | Pass |
|                      |      | 5190 | RU484   | Left | 10.72 | 9.40  | 13.12 | <=23.98 | Pass |
|                      |      | 5230 | RU484   | Left | 11.55 | 8.53  | 13.31 | <=23.98 | Pass |
|                      |      | 5270 | RU484   | Left | 11.68 | 7.88  | 13.19 | <=23.98 | Pass |
|                      |      | 5310 | RU484   | Left | 11.49 | 8.68  | 13.32 | <=23.98 | Pass |
|                      |      | 5510 | RU484   | Left | 10.95 | 9.75  | 13.40 | <=23.98 | Pass |
|                      |      | 5550 | RU484   | Left | 11.07 | 9.62  | 13.42 | <=23.98 | Pass |
|                      |      | 5670 | RU484   | Left | 11.88 | 8.69  | 13.58 | <=23.98 | Pass |
| 802.11ax<br>(HEW80)  | MIMO | 5755 | RU484   | Left | 11.50 | 9.33  | 13.56 | <=30    | Pass |
|                      |      | 5795 | RU484   | Left | 11.72 | 8.19  | 13.31 | <=30    | Pass |
|                      |      | 5210 | RU996   | Left | 11.30 | 9.96  | 13.69 | <=23.98 | Pass |
|                      |      | 5290 | RU996   | Left | 11.43 | 9.97  | 13.77 | <=23.98 | Pass |
|                      |      | 5530 | RU996   | Left | 10.82 | 9.90  | 13.39 | <=23.98 | Pass |
| 802.11ax<br>(HEW160) | MIMO | 5610 | RU996   | Left | 11.08 | 8.97  | 13.16 | <=23.98 | Pass |
|                      |      | 5775 | RU996   | Left | 10.55 | 10.36 | 13.47 | <=30    | Pass |
|                      |      | 5570 | 2xRU996 | Left | 10.94 | 9.59  | 13.33 | <=23.98 | Pass |
|                      |      | 5250 | 2xRU996 | Left | 10.28 | 10.38 | 13.34 | <=23.98 | Pass |

Note1: Antenna Gain: Ant1: 3.30dBi; Ant2: 3.30dBi;  
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

### 3.1.2 EIRP For IC

| Mode                | TX Type | Frequency (MHz) | RU | RU Pos | E.I.R.P (dBm) |       |       |         | Verdict |
|---------------------|---------|-----------------|----|--------|---------------|-------|-------|---------|---------|
|                     |         |                 |    |        | ANT1          | ANT2  | MIMO  | Limit   |         |
| 802.11a             | SISO    | 5180            | /  | /      | 16.85         | 16.40 | /     | <=22.26 | Pass    |
|                     |         | 5200            | /  | /      | 17.05         | 16.88 | /     | <=22.27 | Pass    |
|                     |         | 5240            | /  | /      | 16.50         | 16.36 | /     | <=22.27 | Pass    |
|                     |         | 5260            | /  | /      | 16.28         | 15.88 | /     | <=29.26 | Pass    |
|                     |         | 5300            | /  | /      | 16.31         | 16.13 | /     | <=29.25 | Pass    |
|                     |         | 5320            | /  | /      | 16.02         | 16.43 | /     | <=29.27 | Pass    |
|                     |         | 5500            | /  | /      | 14.81         | 14.85 | /     | <=29.27 | Pass    |
|                     |         | 5580            | /  | /      | 15.00         | 14.61 | /     | <=29.27 | Pass    |
|                     |         | 5700            | /  | /      | 14.92         | 14.87 | /     | <=29.27 | Pass    |
|                     |         | 5745            | /  | /      | 15.55         | 15.66 | /     | /       | Pass    |
|                     |         | 5785            | /  | /      | 16.10         | 16.02 | /     | /       | Pass    |
|                     |         | 5825            | /  | /      | 15.73         | 15.93 | /     | /       | Pass    |
| 802.11ac<br>(VHT20) | MIMO    | 5180            | /  | /      | 13.21         | 13.47 | 16.35 | <=22.53 | Pass    |
|                     |         | 5200            | /  | /      | 13.26         | 13.49 | 16.39 | <=22.53 | Pass    |
|                     |         | 5240            | /  | /      | 14.52         | 12.91 | 16.80 | <=22.54 | Pass    |
|                     |         | 5260            | /  | /      | 13.75         | 12.17 | 16.04 | <=29.53 | Pass    |
|                     |         | 5300            | /  | /      | 14.32         | 12.78 | 16.63 | <=29.53 | Pass    |
|                     |         | 5320            | /  | /      | 14.32         | 13.05 | 16.74 | <=29.54 | Pass    |

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|                      |      |      |         |      |       |       |       |         |      |
|----------------------|------|------|---------|------|-------|-------|-------|---------|------|
|                      |      | 5500 | /       | /    | 12.43 | 11.82 | 15.15 | <=29.53 | Pass |
|                      |      | 5580 | /       | /    | 12.48 | 10.71 | 14.69 | <=29.54 | Pass |
|                      |      | 5700 | /       | /    | 11.76 | 11.64 | 14.71 | <=29.54 | Pass |
|                      |      | 5745 | /       | /    | 12.64 | 12.78 | 15.72 | /       | Pass |
|                      |      | 5785 | /       | /    | 12.96 | 13.20 | 16.09 | /       | Pass |
|                      |      | 5825 | /       | /    | 12.79 | 12.59 | 15.70 | /       | Pass |
| 802.11ac<br>(VHT40)  | MIMO | 5190 | /       | /    | 13.03 | 14.50 | 16.84 | <=23.01 | Pass |
|                      |      | 5230 | /       | /    | 14.00 | 12.83 | 16.46 | <=23.01 | Pass |
|                      |      | 5270 | /       | /    | 14.50 | 12.86 | 16.77 | <=30    | Pass |
|                      |      | 5310 | /       | /    | 13.78 | 13.33 | 16.57 | <=30    | Pass |
|                      |      | 5510 | /       | /    | 12.18 | 12.40 | 15.30 | <=30    | Pass |
|                      |      | 5550 | /       | /    | 12.62 | 10.94 | 14.87 | <=30    | Pass |
|                      |      | 5670 | /       | /    | 12.65 | 10.36 | 14.66 | <=30    | Pass |
|                      |      | 5755 | /       | /    | 12.79 | 13.01 | 15.91 | /       | Pass |
| 802.11ac<br>(VHT80)  | MIMO | 5795 | /       | /    | 13.30 | 12.82 | 16.08 | /       | Pass |
|                      |      | 5210 | /       | /    | 14.43 | 13.57 | 17.03 | <=23.01 | Pass |
|                      |      | 5290 | /       | /    | 13.88 | 13.27 | 16.60 | <=30    | Pass |
|                      |      | 5530 | /       | /    | 12.07 | 11.60 | 14.85 | <=30    | Pass |
| 802.11ac<br>(VHT160) | MIMO | 5775 | /       | /    | 13.07 | 13.18 | 16.14 | /       | Pass |
| 802.11ax<br>(HEW20)  | MIMO | 5250 | /       | /    | 10.11 | 10.50 | 13.32 | <=23.01 | Pass |
|                      |      | 5180 | RU242   | Left | 13.20 | 14.26 | 16.77 | <=22.8  | Pass |
|                      |      | 5200 | RU242   | Left | 13.60 | 14.32 | 16.99 | <=22.8  | Pass |
|                      |      | 5240 | RU242   | Left | 14.21 | 12.94 | 16.63 | <=22.81 | Pass |
|                      |      | 5260 | RU242   | Left | 13.48 | 12.22 | 15.91 | <=29.82 | Pass |
|                      |      | 5300 | RU242   | Left | 14.32 | 12.56 | 16.54 | <=29.81 | Pass |
|                      |      | 5320 | RU242   | Left | 14.49 | 12.77 | 16.72 | <=29.8  | Pass |
|                      |      | 5500 | RU242   | Left | 11.93 | 11.38 | 14.67 | <=29.8  | Pass |
|                      |      | 5580 | RU242   | Left | 12.69 | 10.61 | 14.78 | <=29.82 | Pass |
|                      |      | 5700 | RU242   | Left | 12.30 | 10.69 | 14.58 | <=29.81 | Pass |
|                      |      | 5745 | RU242   | Left | 13.53 | 12.56 | 16.08 | /       | Pass |
| 802.11ax<br>(HEW40)  | MIMO | 5785 | RU242   | Left | 13.88 | 12.16 | 16.11 | /       | Pass |
|                      |      | 5825 | RU242   | Left | 13.55 | 13.02 | 16.30 | /       | Pass |
|                      |      | 5190 | RU484   | Left | 14.02 | 12.70 | 16.42 | <=23.01 | Pass |
|                      |      | 5230 | RU484   | Left | 14.85 | 11.83 | 16.61 | <=23.01 | Pass |
|                      |      | 5270 | RU484   | Left | 14.48 | 10.68 | 15.99 | <=30    | Pass |
|                      |      | 5310 | RU484   | Left | 14.29 | 11.48 | 16.12 | <=30    | Pass |
|                      |      | 5510 | RU484   | Left | 12.35 | 11.15 | 14.80 | <=30    | Pass |
|                      |      | 5550 | RU484   | Left | 12.47 | 11.02 | 14.82 | <=30    | Pass |
| 802.11ax<br>(HEW80)  | MIMO | 5670 | RU484   | Left | 13.28 | 10.09 | 14.98 | <=30    | Pass |
|                      |      | 5755 | RU484   | Left | 13.90 | 11.73 | 15.96 | /       | Pass |
|                      |      | 5795 | RU484   | Left | 14.12 | 10.59 | 15.71 | /       | Pass |
|                      |      | 5210 | RU996   | Left | 14.60 | 13.26 | 16.99 | <=23.01 | Pass |
| 802.11ax<br>(HEW160) | MIMO | 5290 | RU996   | Left | 14.23 | 12.77 | 16.57 | <=30    | Pass |
|                      |      | 5530 | RU996   | Left | 12.22 | 11.30 | 14.79 | <=30    | Pass |
|                      |      | 5775 | RU996   | Left | 12.95 | 12.76 | 15.87 | /       | Pass |
| 802.11ax<br>(HEW160) | MIMO | 5250 | 2xRU996 | Left | 10.28 | 10.38 | 13.34 | <=23.01 | Pass |

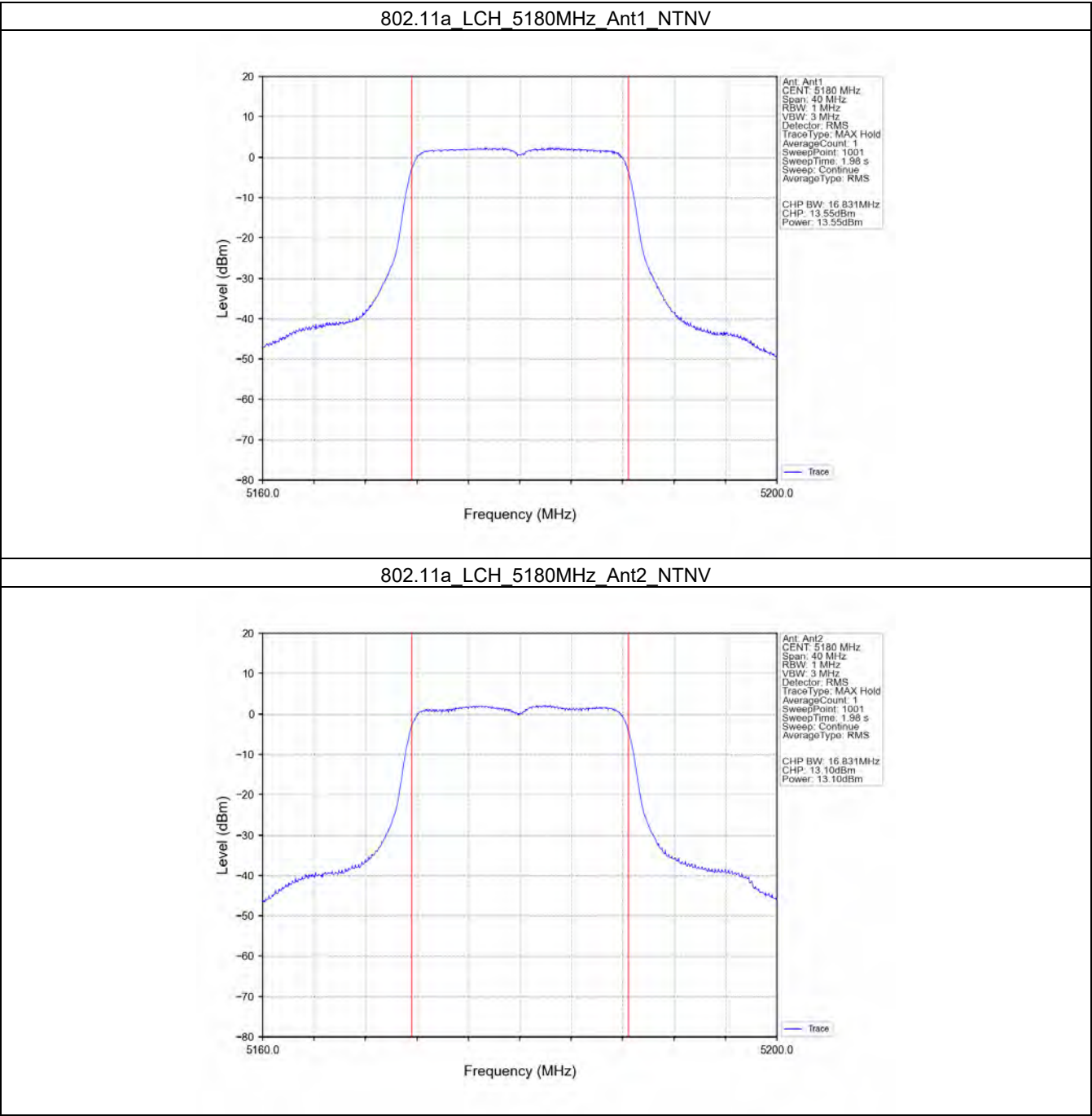
Note1: Antenna Gain: Ant1: 3.30dBi; Ant2: 3.30dBi;

Note2: E.I.R.P = Measured Power + Antenna Gain

Note3: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

### 3.2 Test Graph

#### 3.2.1 Power



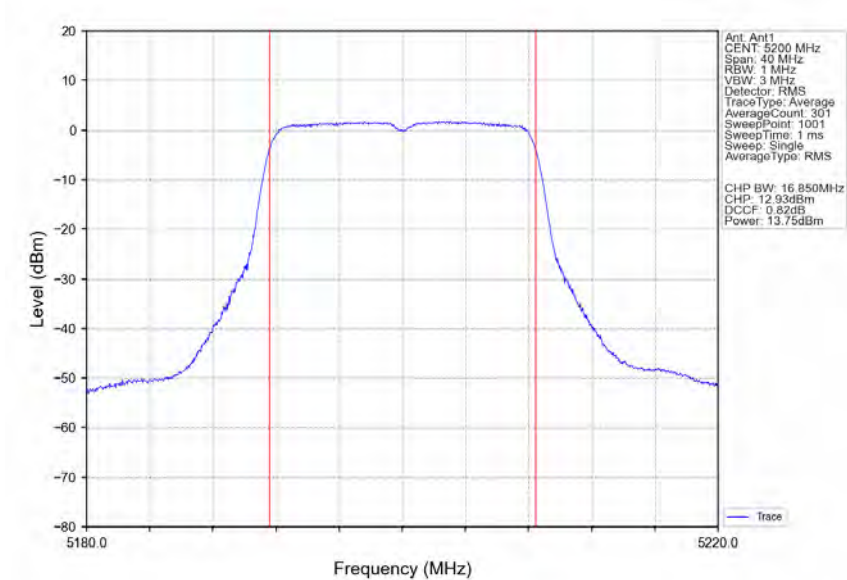
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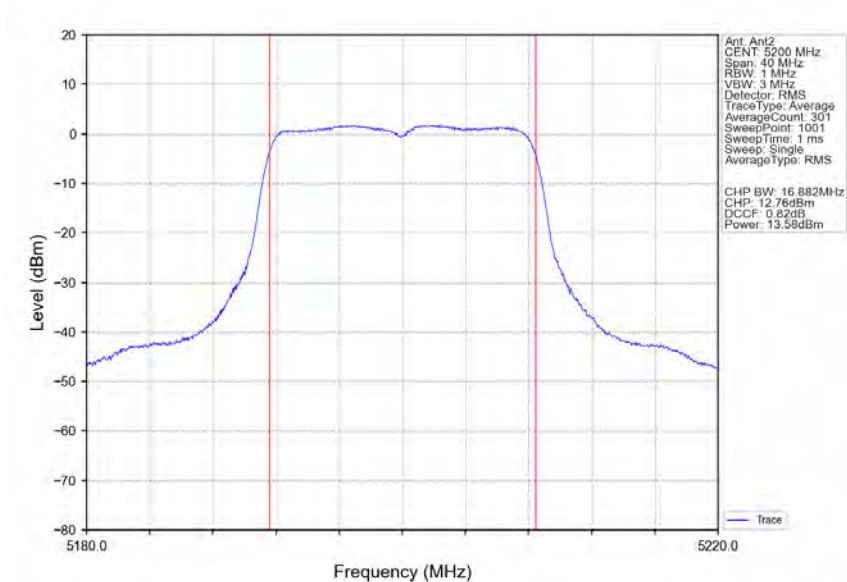
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802.11a MCH 5200MHz Ant1 NTV



802.11a MCH 5200MHz Ant2 NTV



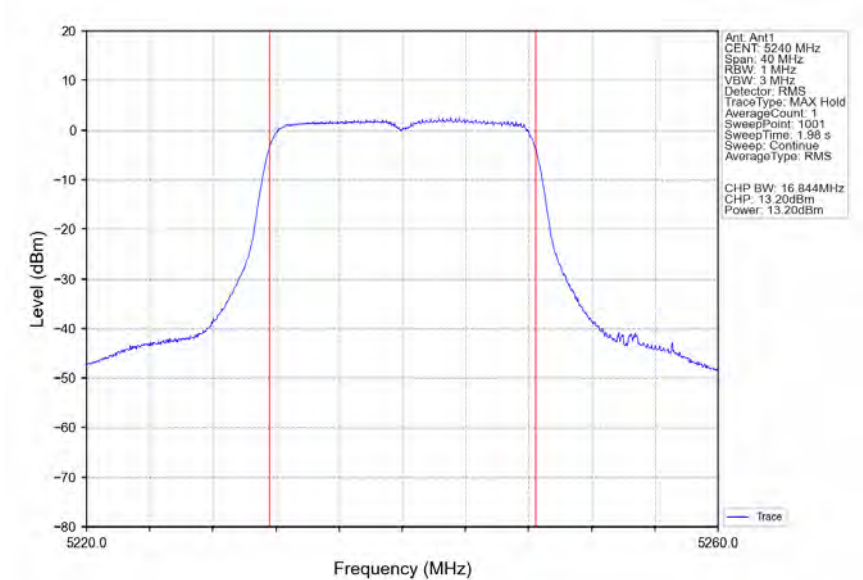
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

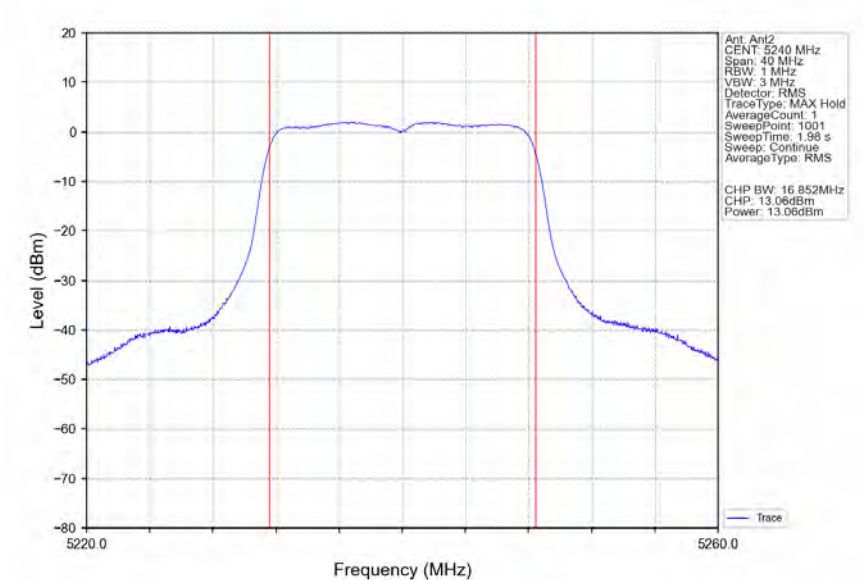
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802.11a HCH 5240MHz Ant1 NTN



802.11a HCH 5240MHz Ant2 NTN



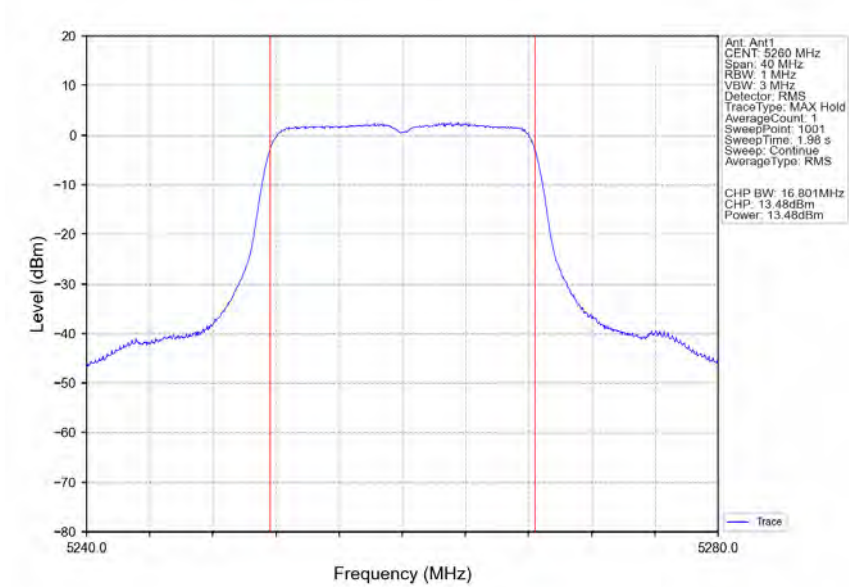
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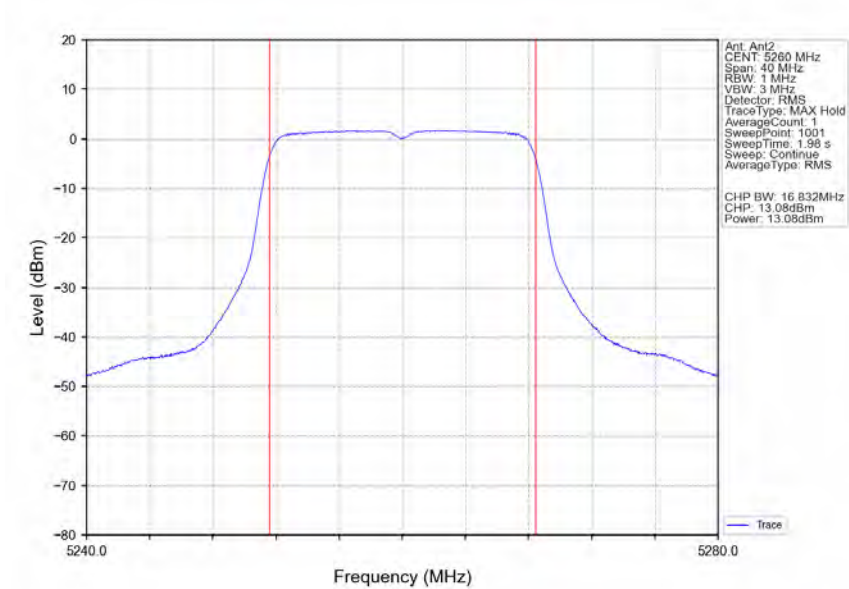
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802.11a LCH 5260MHz Ant1 NTN



802.11a LCH 5260MHz Ant2 NTN



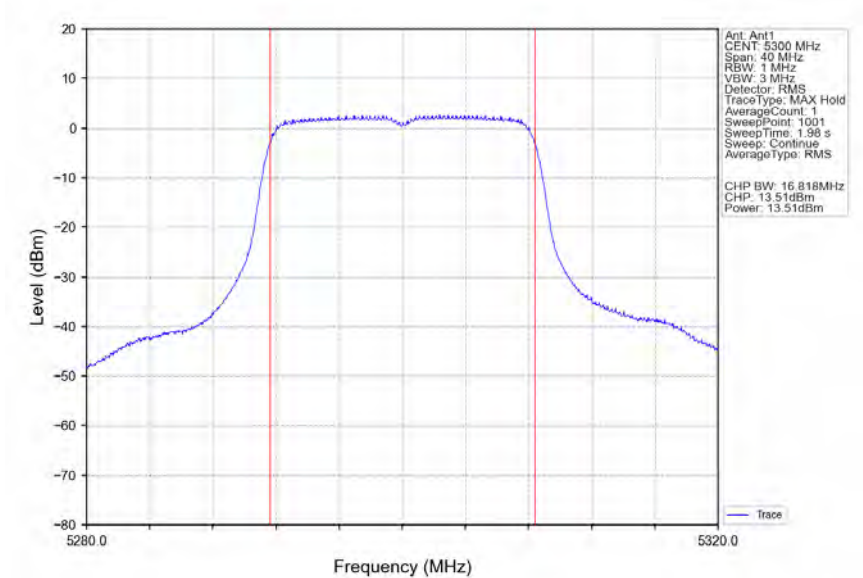
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

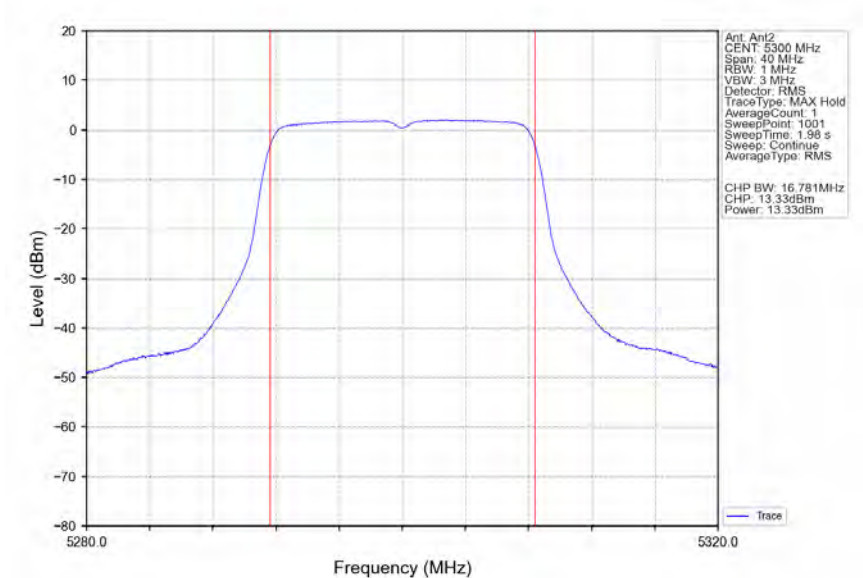
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802.11a MCH\_5300MHz\_Ant1\_NTNV



802.11a MCH\_5300MHz\_Ant2\_NTNV



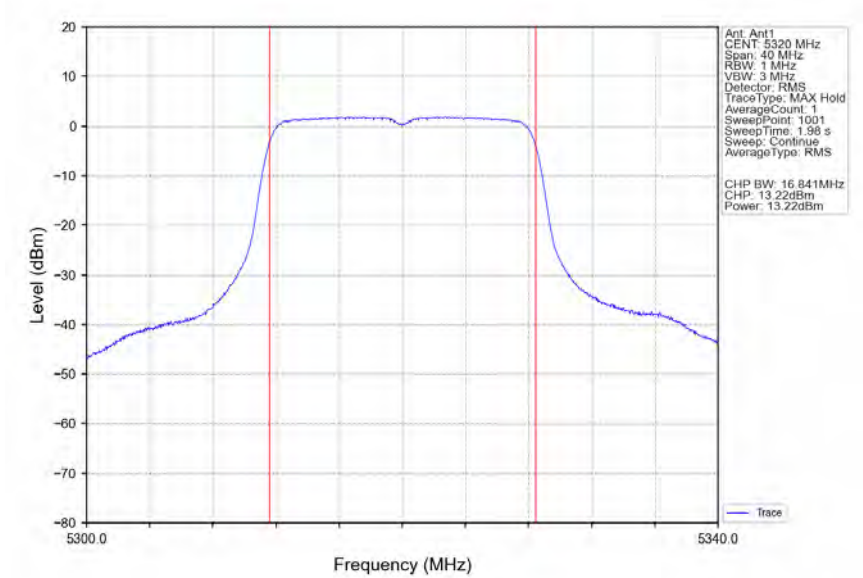
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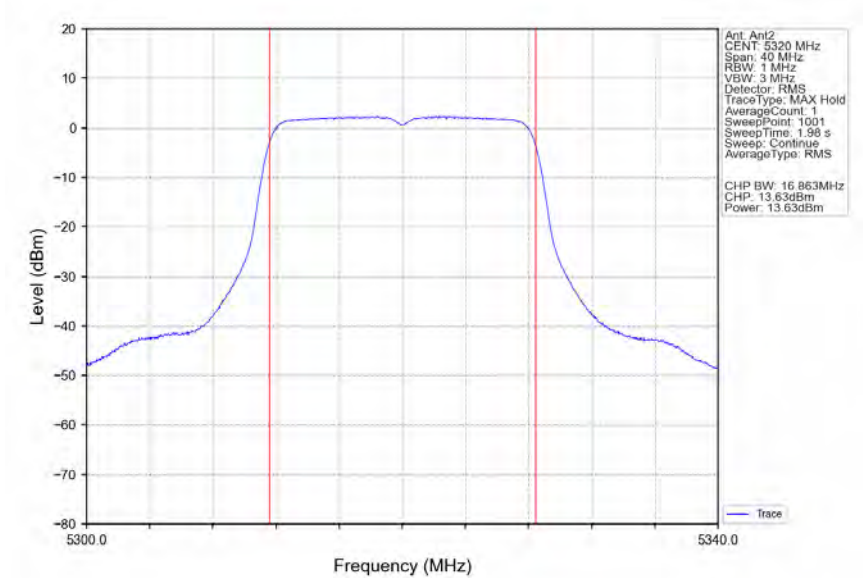
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802.11a HCH 5320MHz Ant1 NTN



802.11a HCH 5320MHz Ant2 NTN



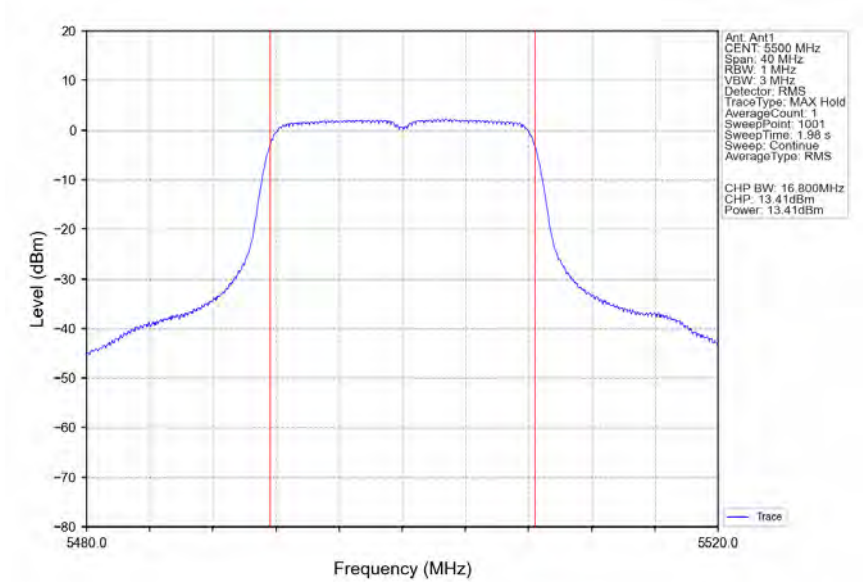
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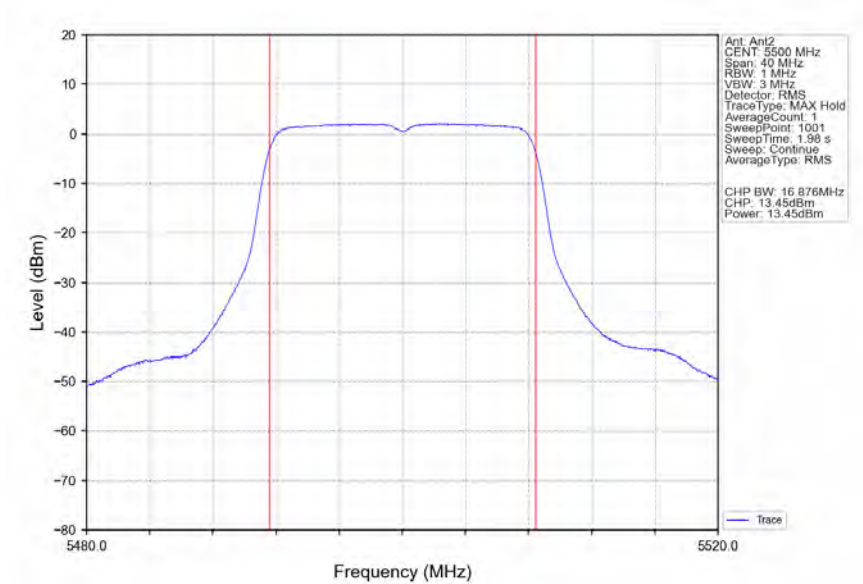
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802.11a LCH 5500MHz Ant1 NTN



802.11a LCH 5500MHz Ant2 NTN



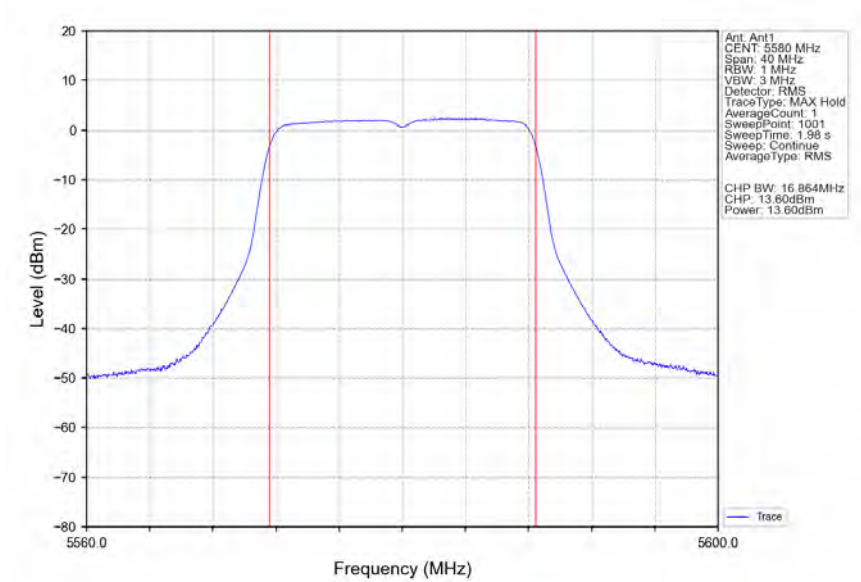
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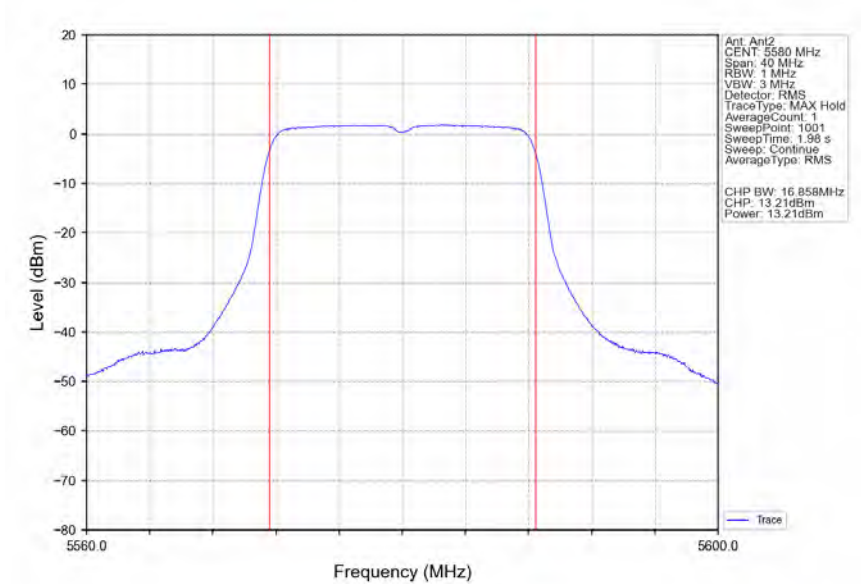
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802.11a MCH 5580MHz Ant1 NTV



802.11a MCH 5580MHz Ant2 NTV



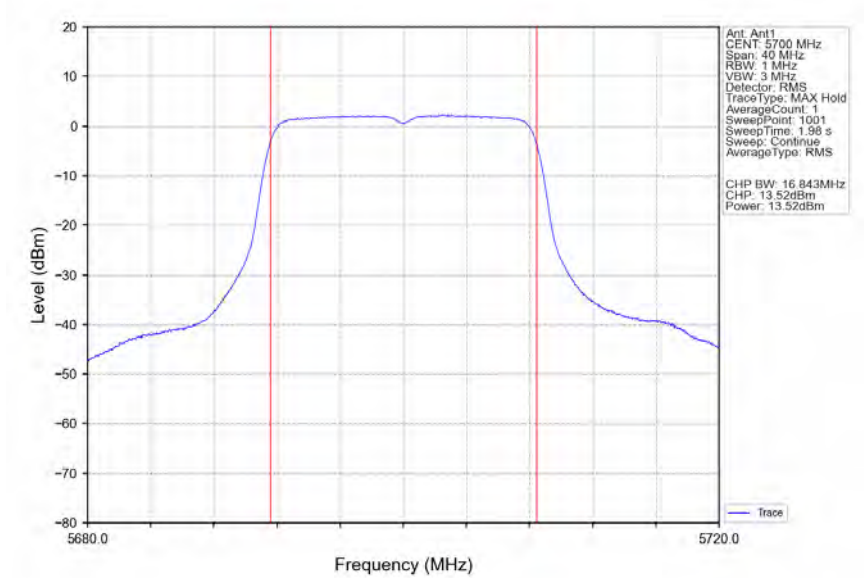
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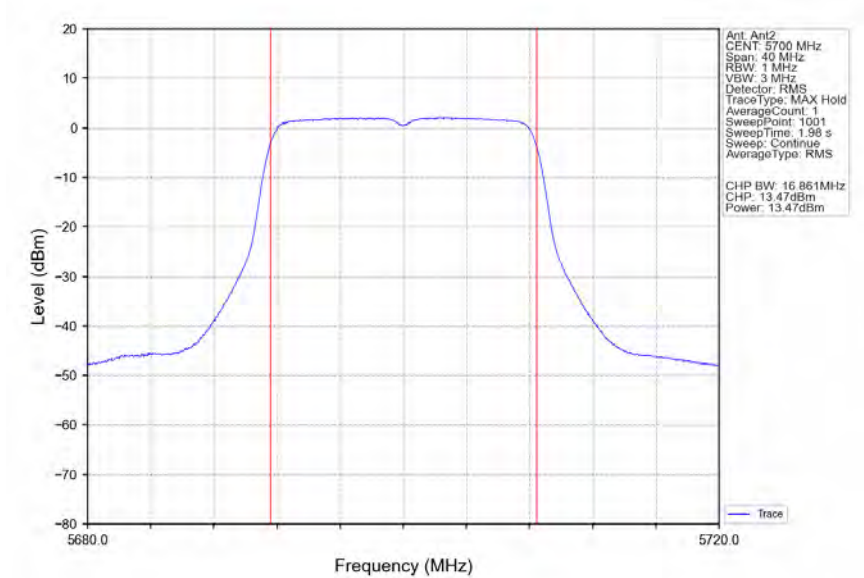
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802.11a HCH 5700MHz Ant1 NTN



802.11a HCH 5700MHz Ant2 NTN



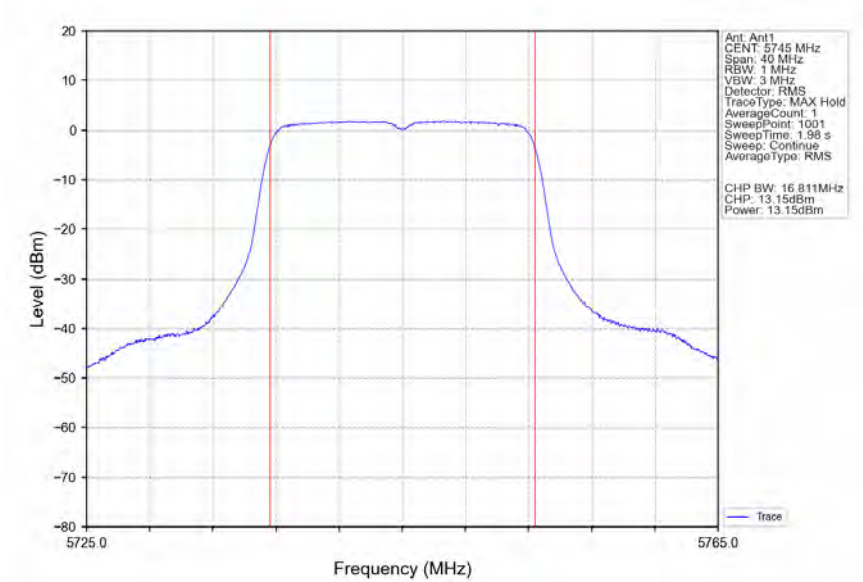
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

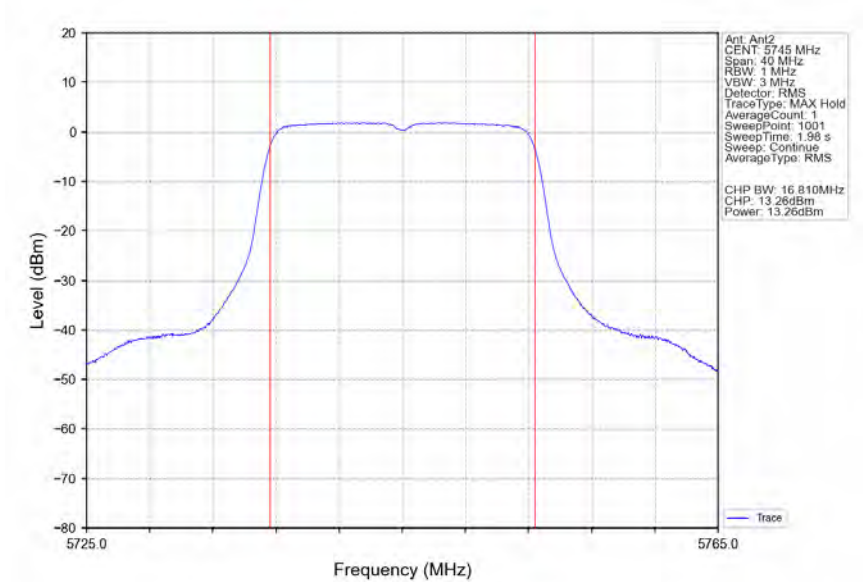
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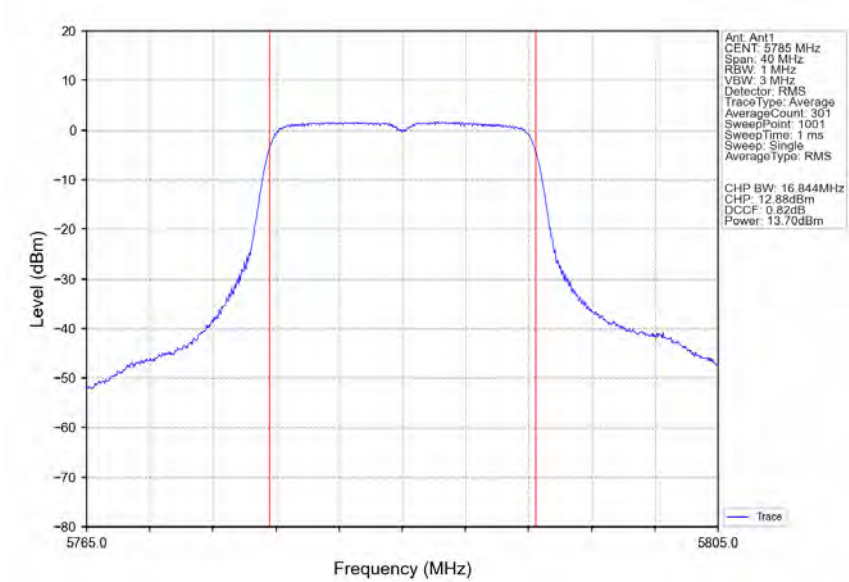
802.11a LCH 5745MHz Ant1 NTN



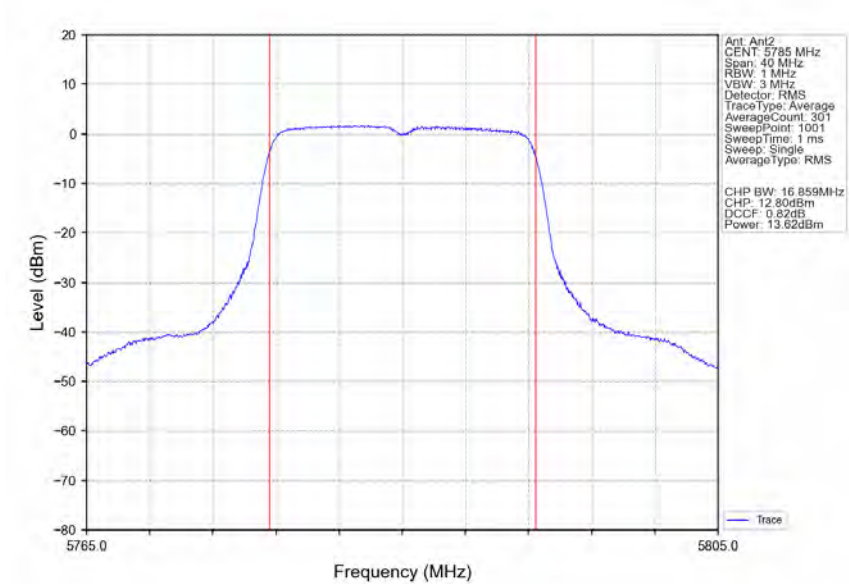
802.11a LCH 5745MHz Ant2 NTN



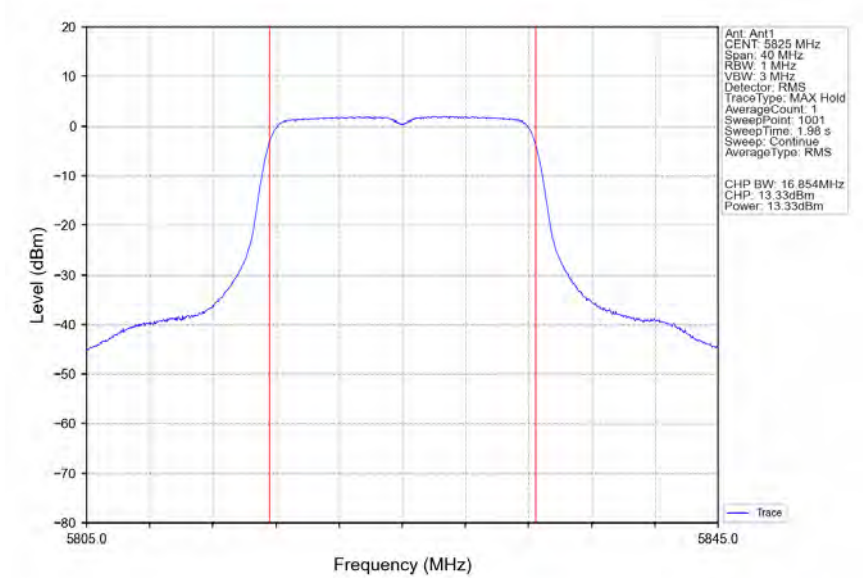
802.11a MCH 5785MHz Ant1 NTV



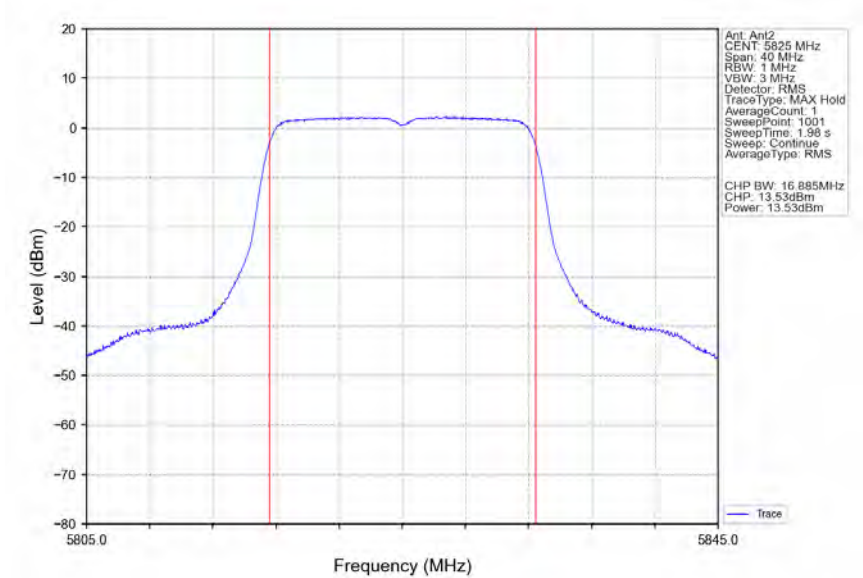
802.11a MCH 5785MHz Ant2 NTV



802.11a HCH 5825MHz Ant1 NTN



802.11a HCH 5825MHz Ant2 NTN



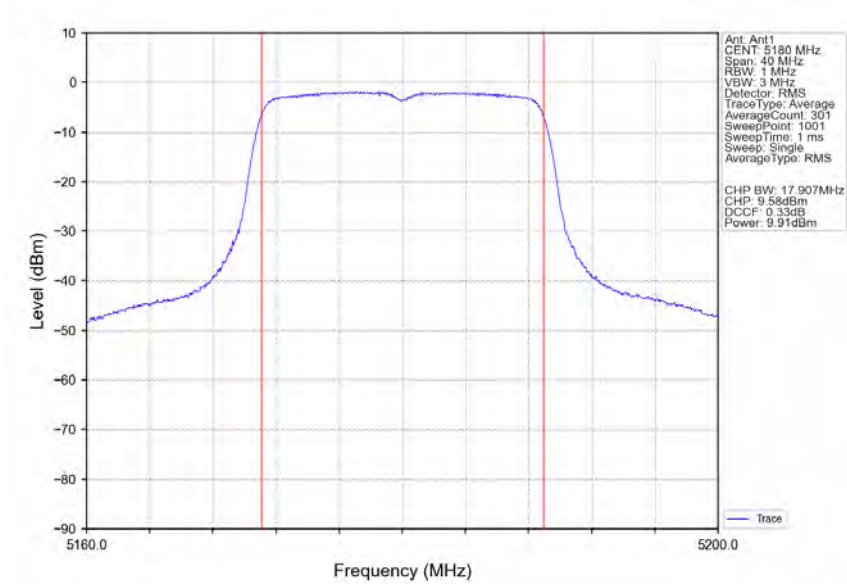
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

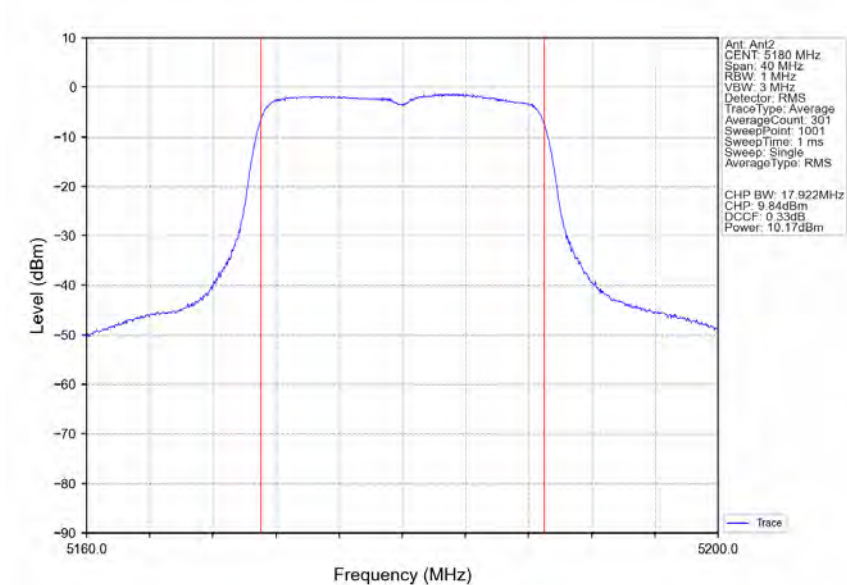
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



802.11ac(VHT20) LCH 5180MHz Ant2 NTN



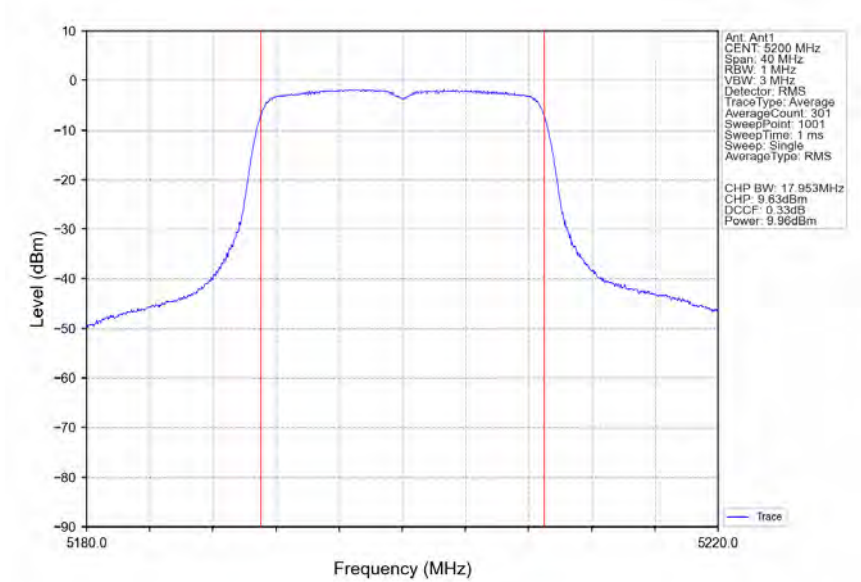
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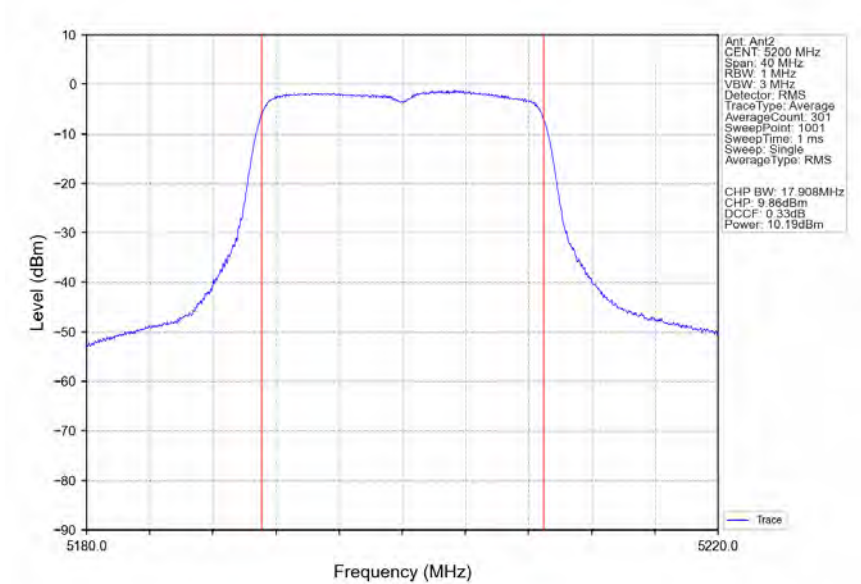
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802.11ac(VHT20) MCH\_5200MHz\_Ant1\_NTNV



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



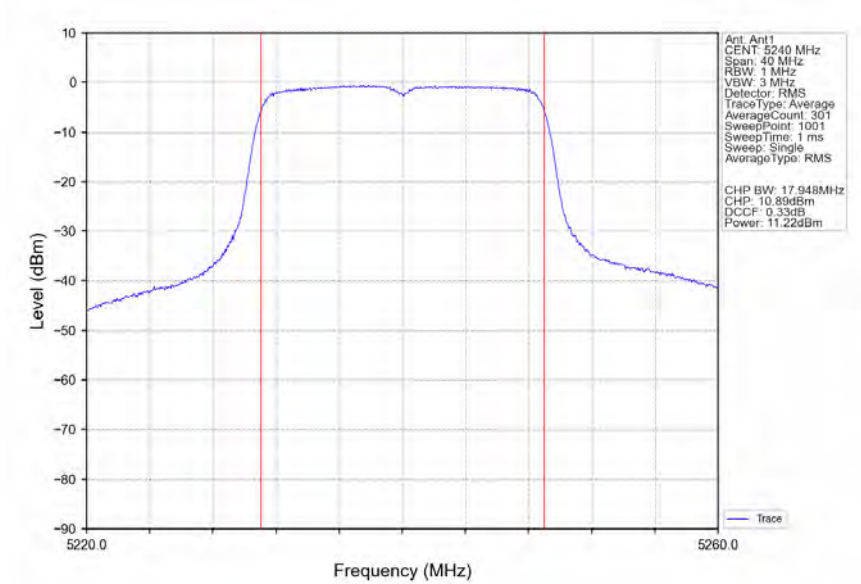
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

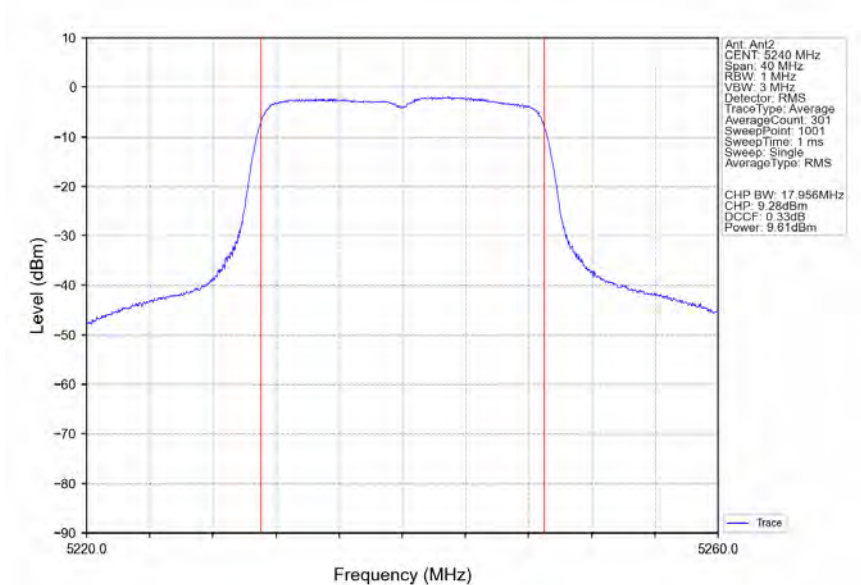
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802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT20) HCH 5240MHz Ant2 NTN



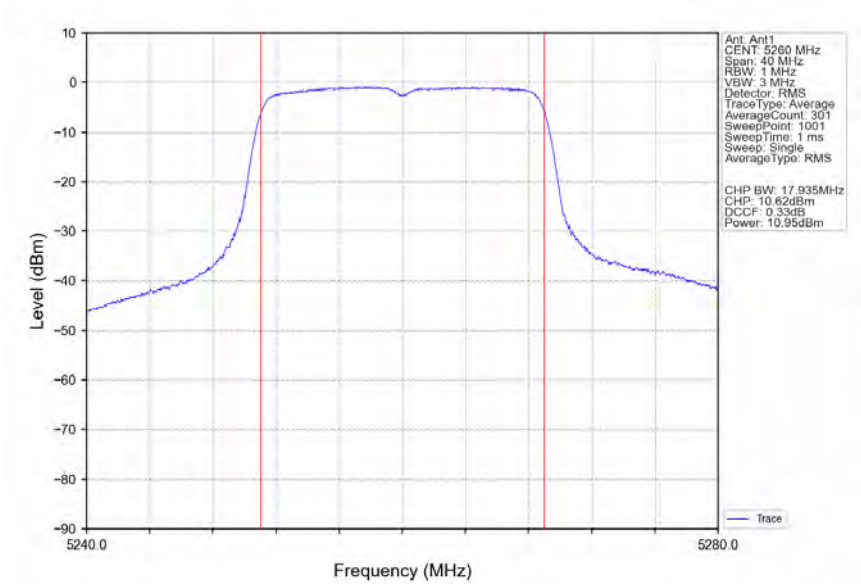
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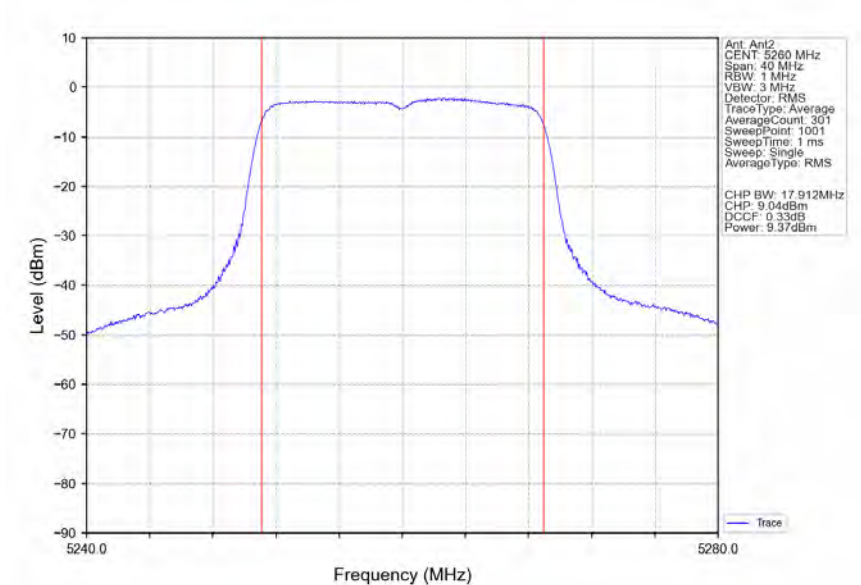
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802.11ac(VHT20) LCH 5260MHz Ant1 NTN



802.11ac(VHT20) LCH 5260MHz Ant2 NTN



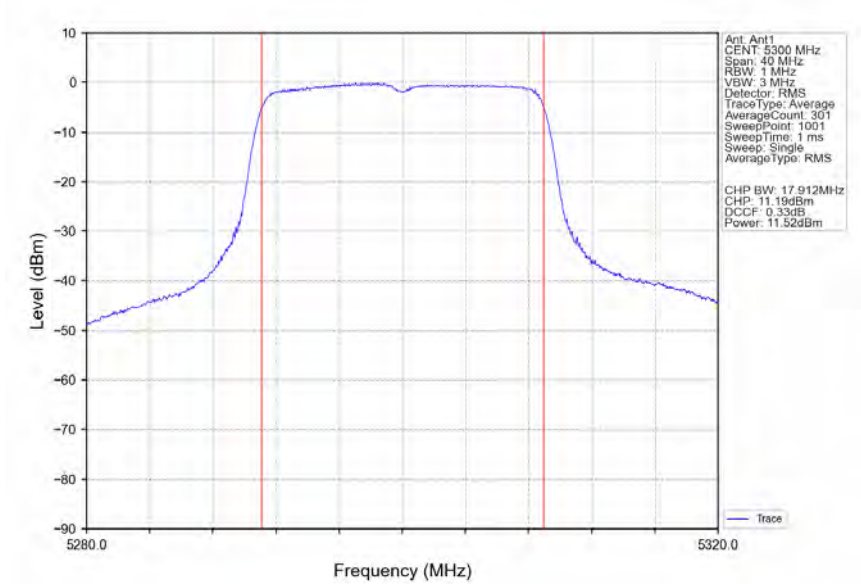
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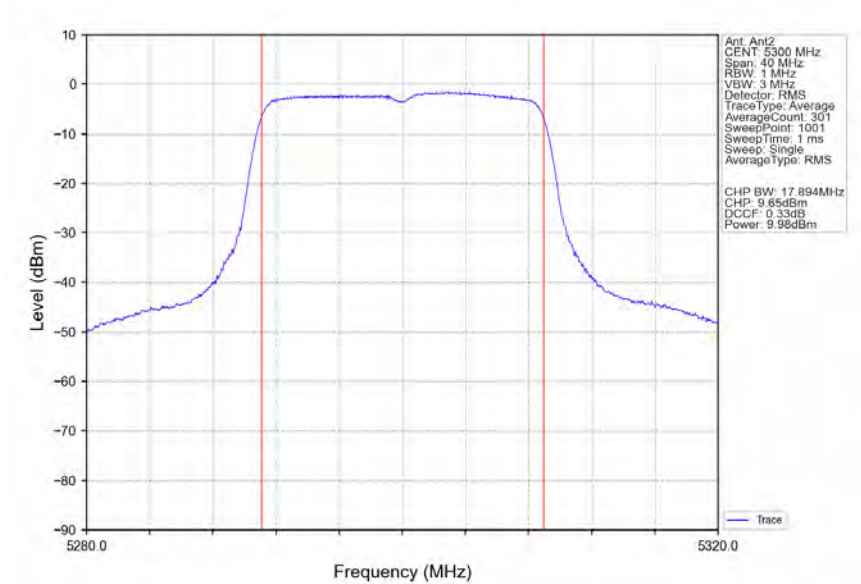
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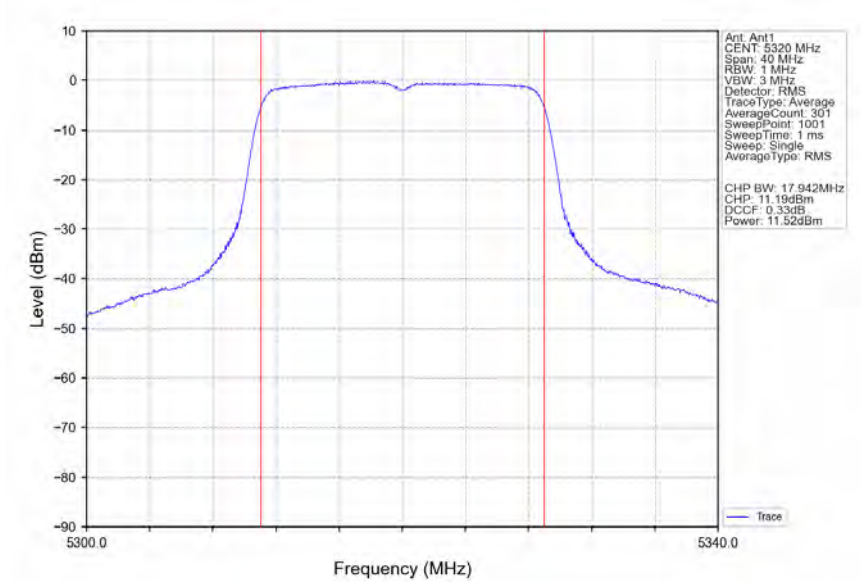
802.11ac(VHT20) MCH\_5300MHz\_Ant1\_NTNV



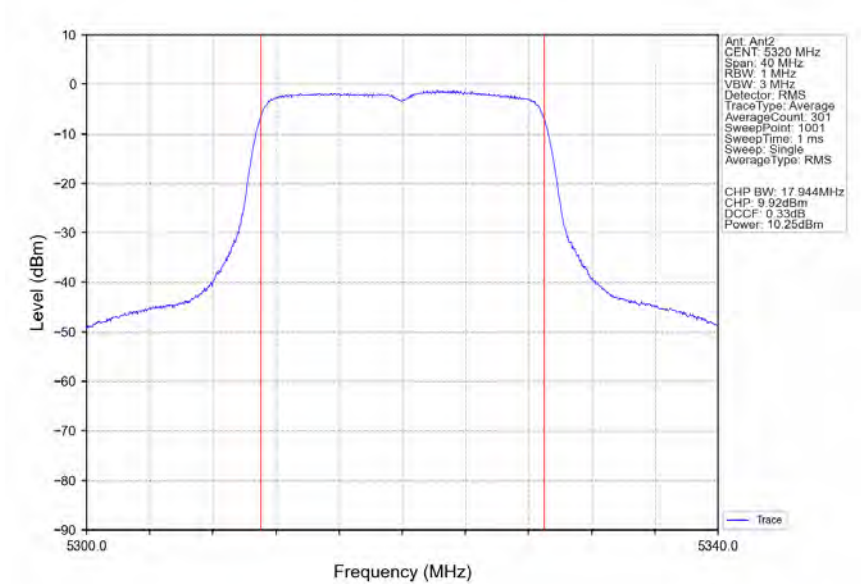
802.11ac(VHT20) MCH\_5300MHz\_Ant2\_NTNV



802.11ac(VHT20) HCH 5320MHz Ant1 NTN



802.11ac(VHT20) HCH 5320MHz Ant2 NTN



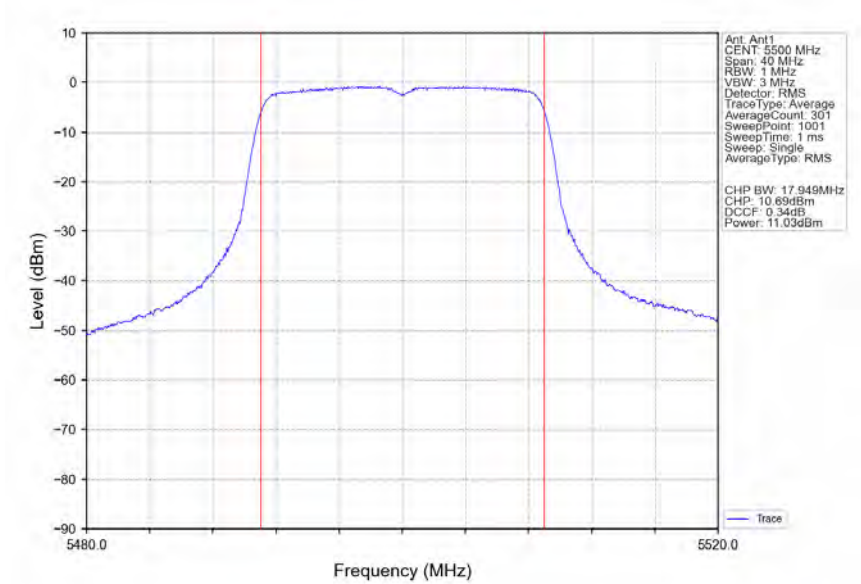
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

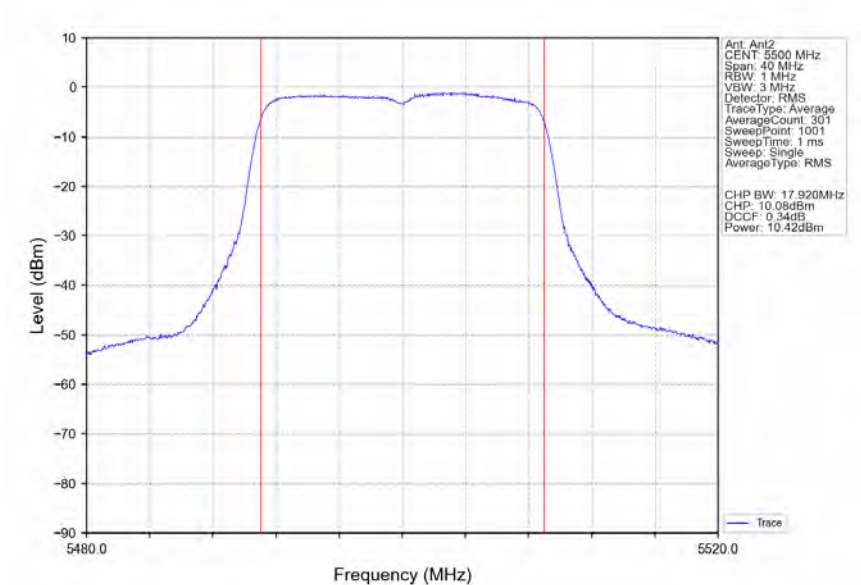
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802.11ac(VHT20) LCH 5500MHz Ant1 NTN



802.11ac(VHT20) LCH 5500MHz Ant2 NTN



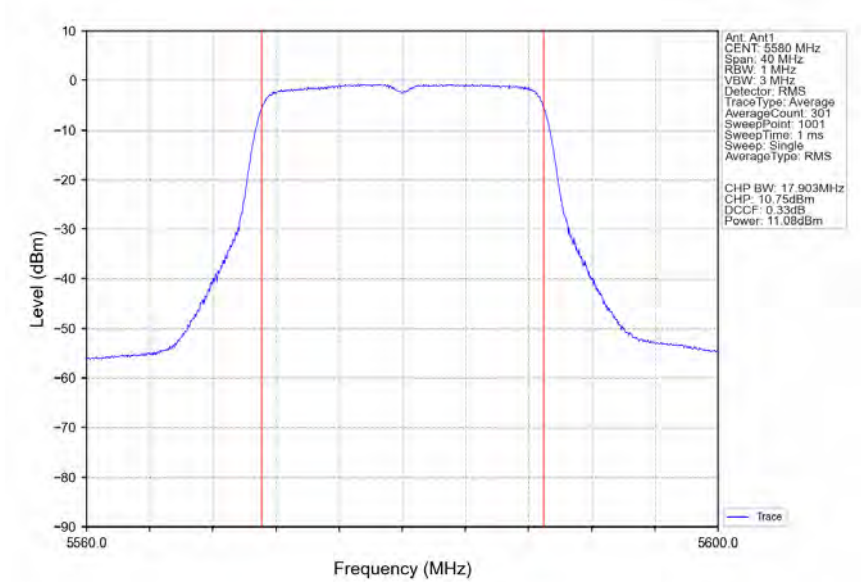
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

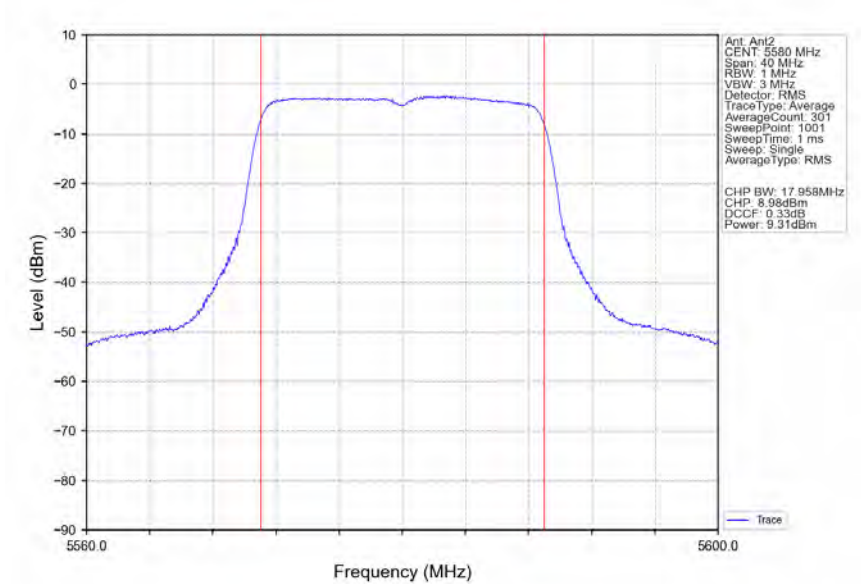
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802.11ac(VHT20) MCH\_5580MHz\_Ant1\_NTNV



802.11ac(VHT20) MCH\_5580MHz\_Ant2\_NTNV



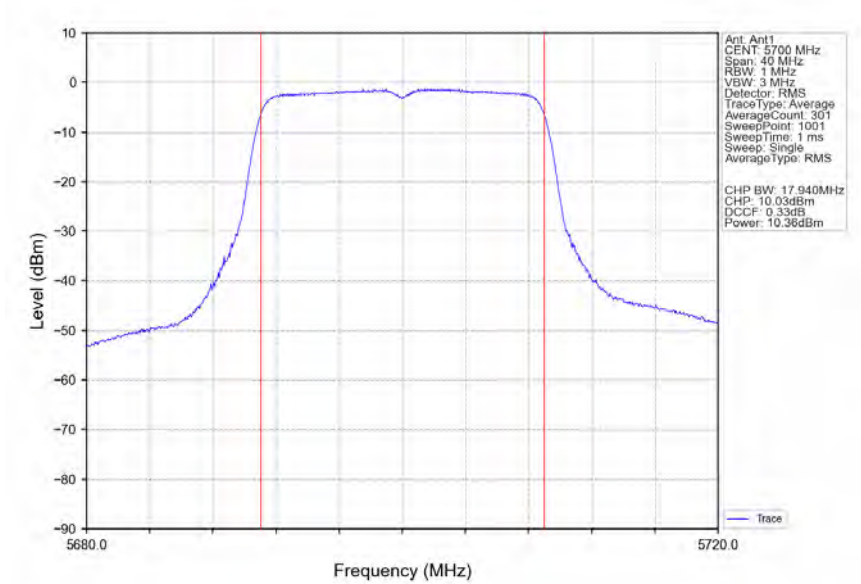
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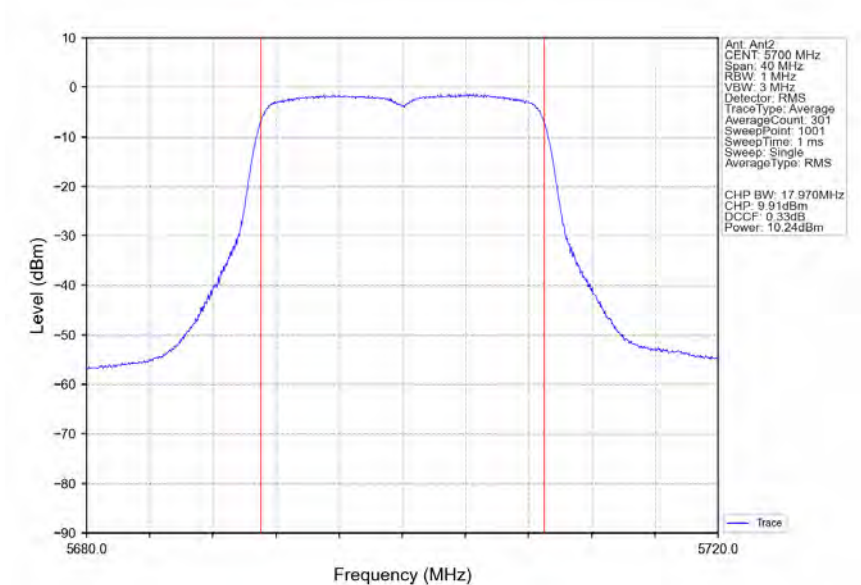
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802.11ac(VHT20) HCH 5700MHz Ant1 NTN



802.11ac(VHT20) HCH 5700MHz Ant2 NTN



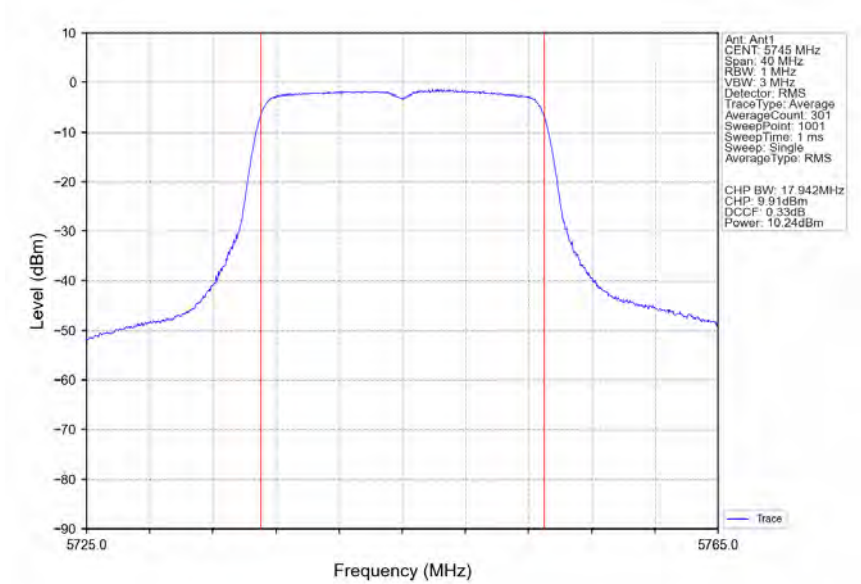
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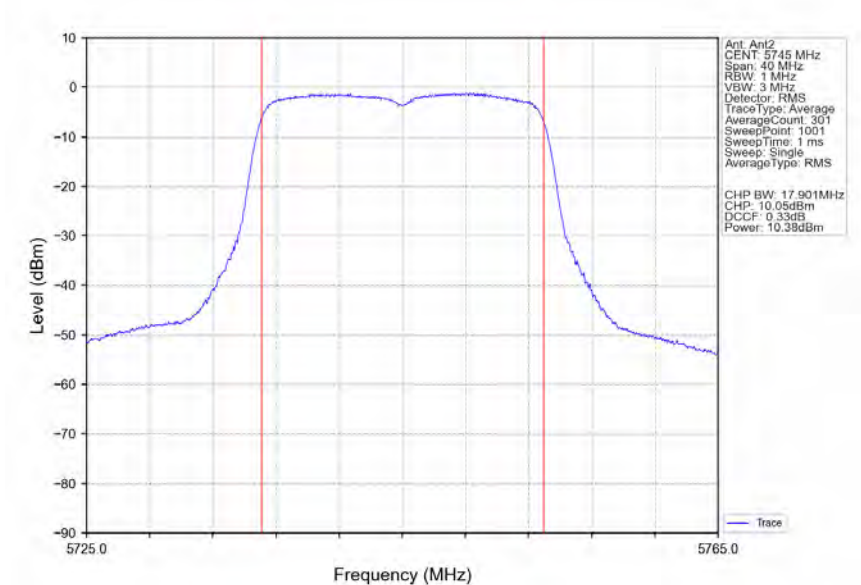
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802.11ac(VHT20) LCH 5745MHz Ant1 NTN



802.11ac(VHT20) LCH 5745MHz Ant2 NTN



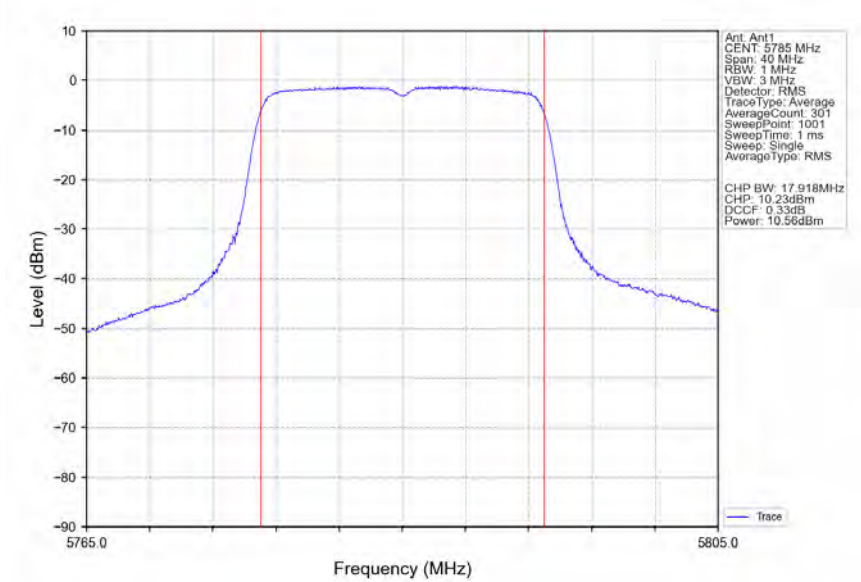
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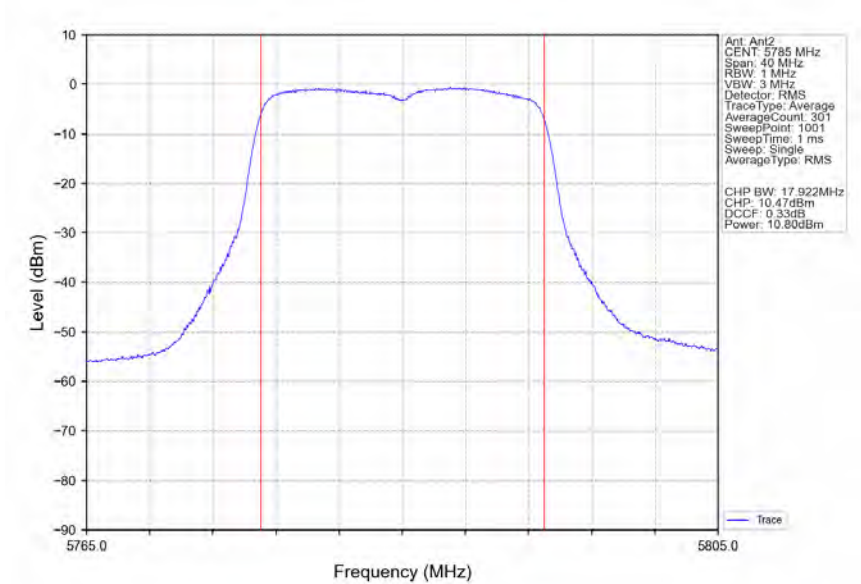
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802.11ac(VHT20) MCH\_5785MHz\_Ant1\_NTNV



802.11ac(VHT20) MCH\_5785MHz\_Ant2\_NTNV



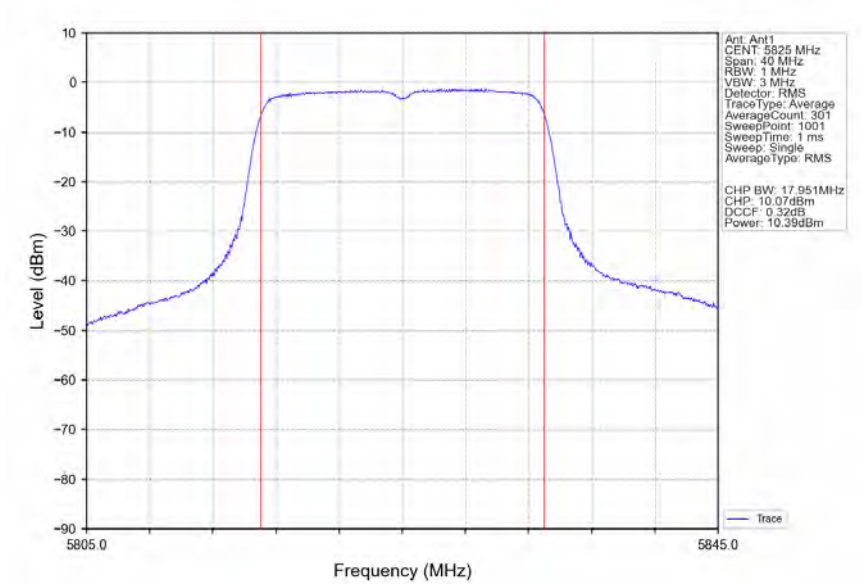
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

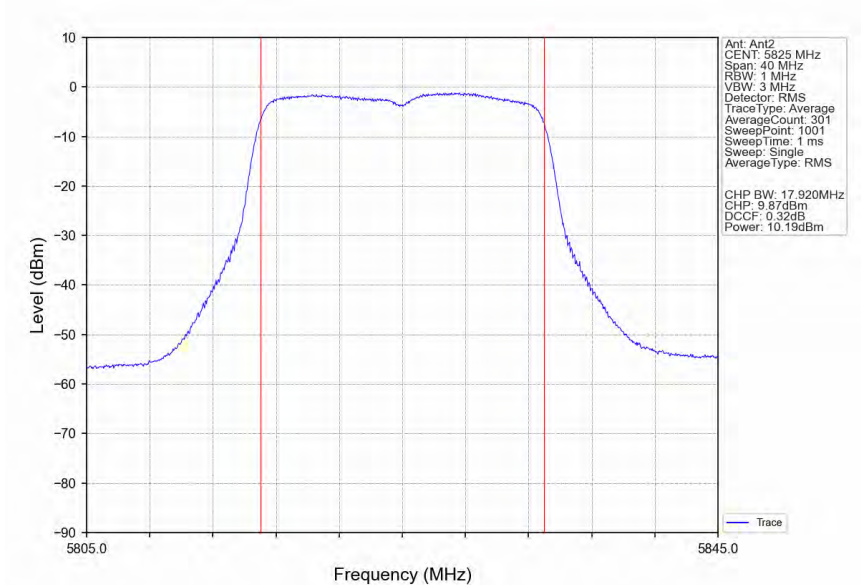
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802.11ac(VHT20) HCH 5825MHz Ant1 NTN



802.11ac(VHT20) HCH 5825MHz Ant2 NTN



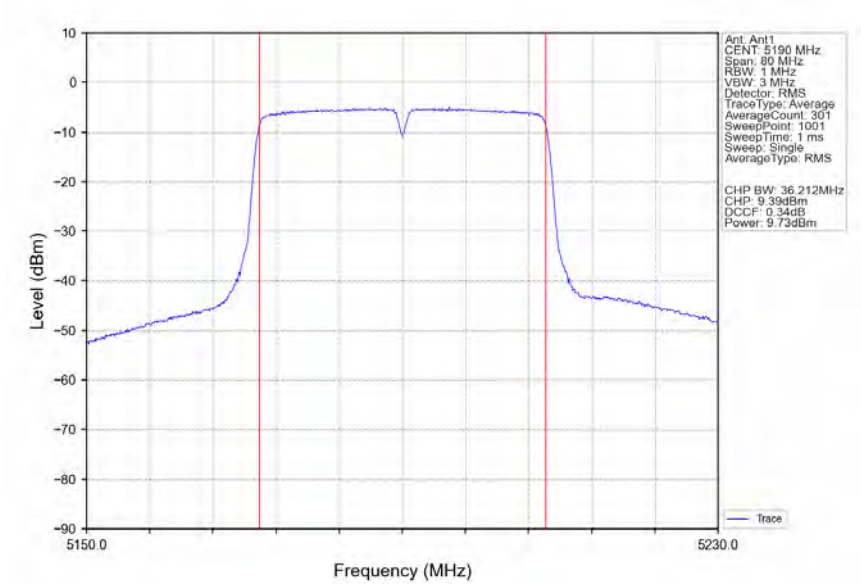
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

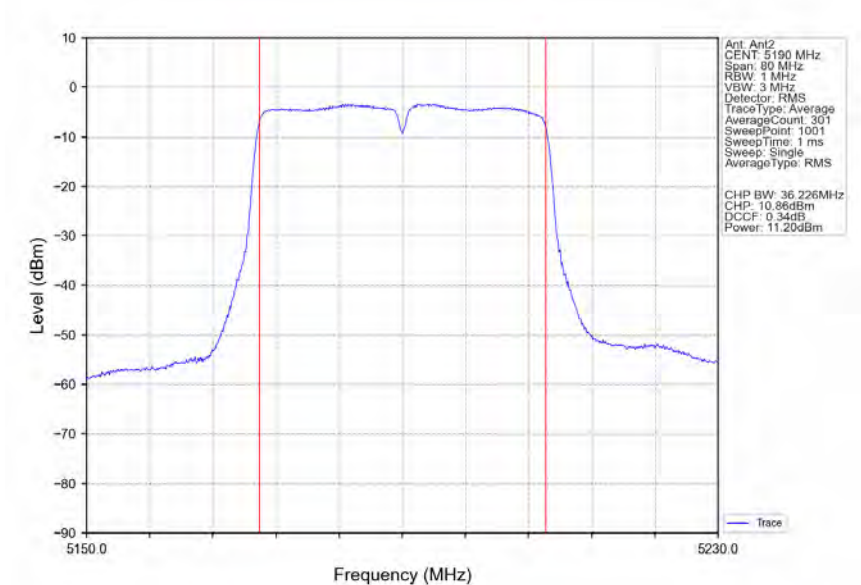
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) LCH 5190MHz Ant2 NTN



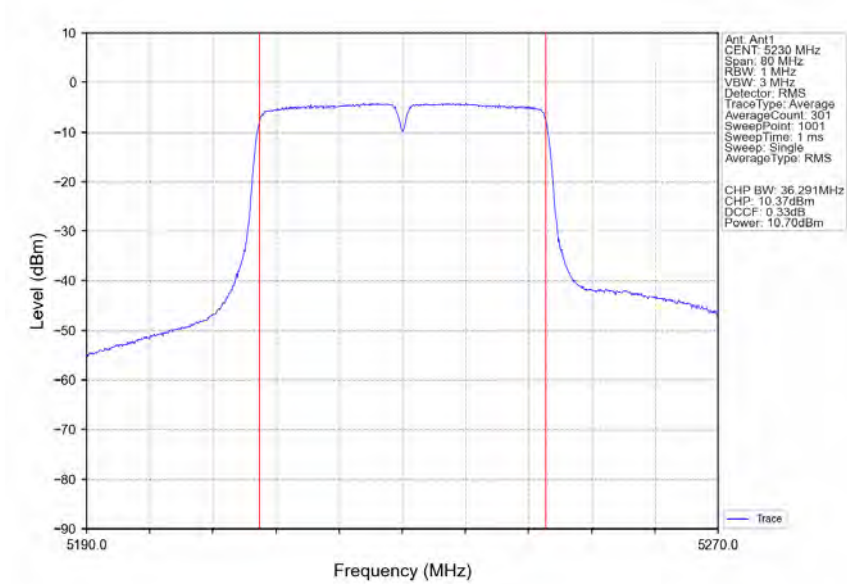
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

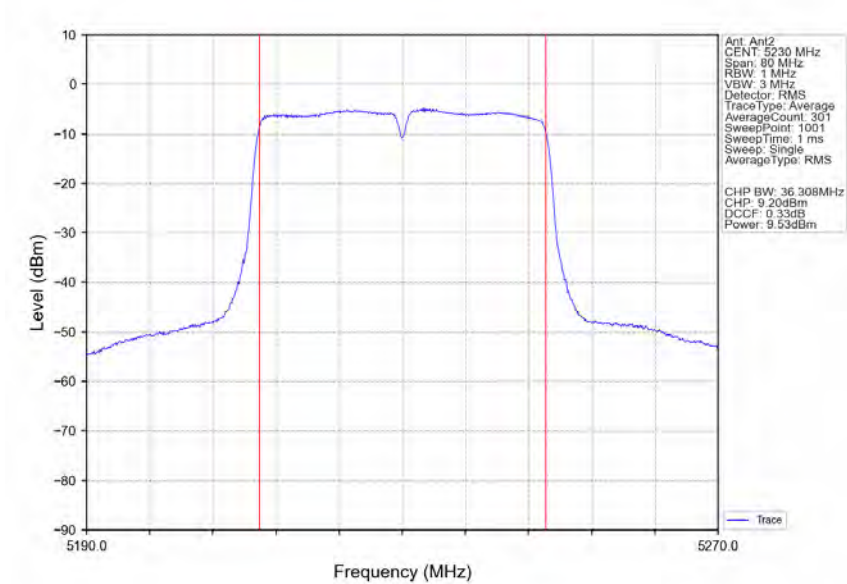
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802.11ac(VHT40) HCH 5230MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant2 NTN



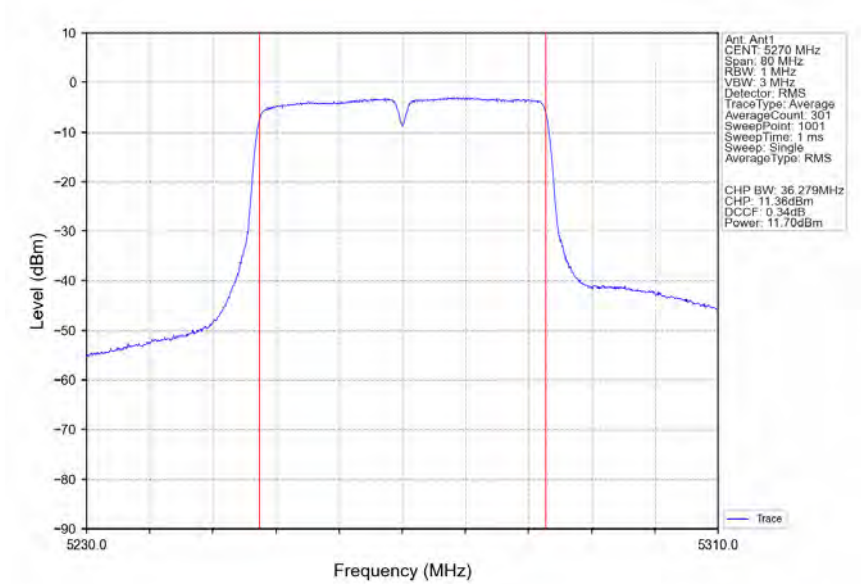
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

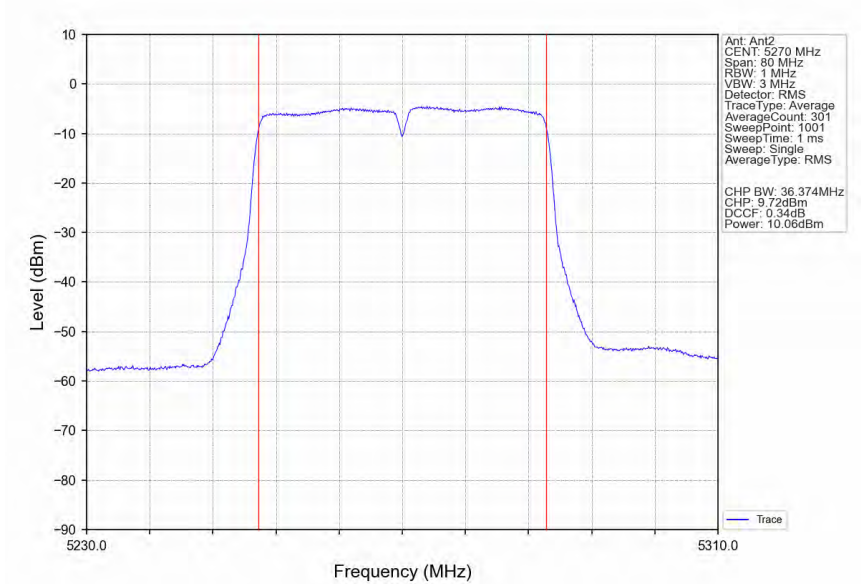
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802.11ac(VHT40) LCH 5270MHz Ant1 NTN



802.11ac(VHT40) LCH 5270MHz Ant2 NTN



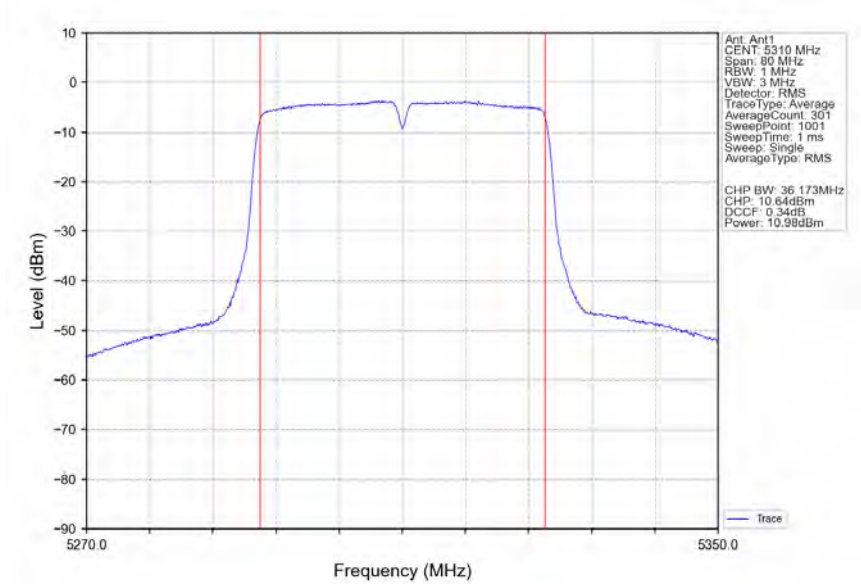
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

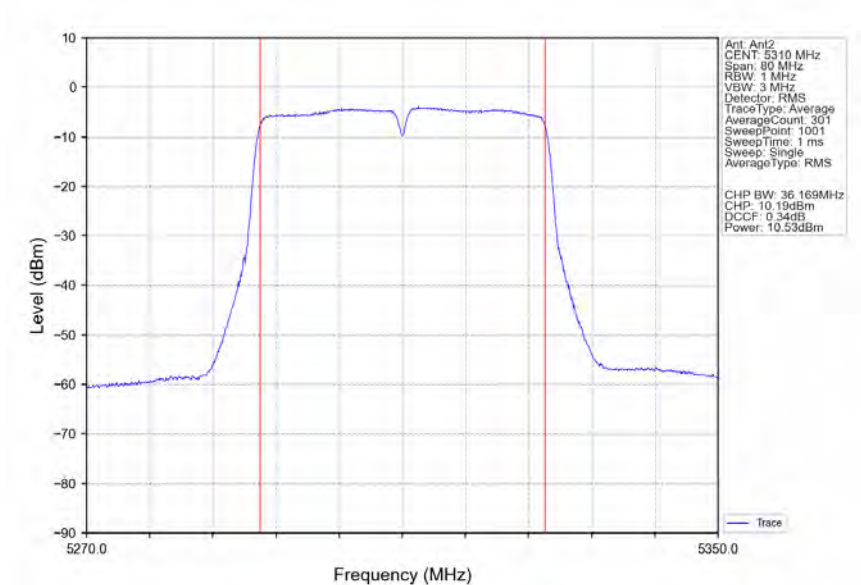
Report No.: KSCR240700123604

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802.11ac(VHT40) HCH 5310MHz Ant1 NTN



802.11ac(VHT40) HCH 5310MHz Ant2 NTN



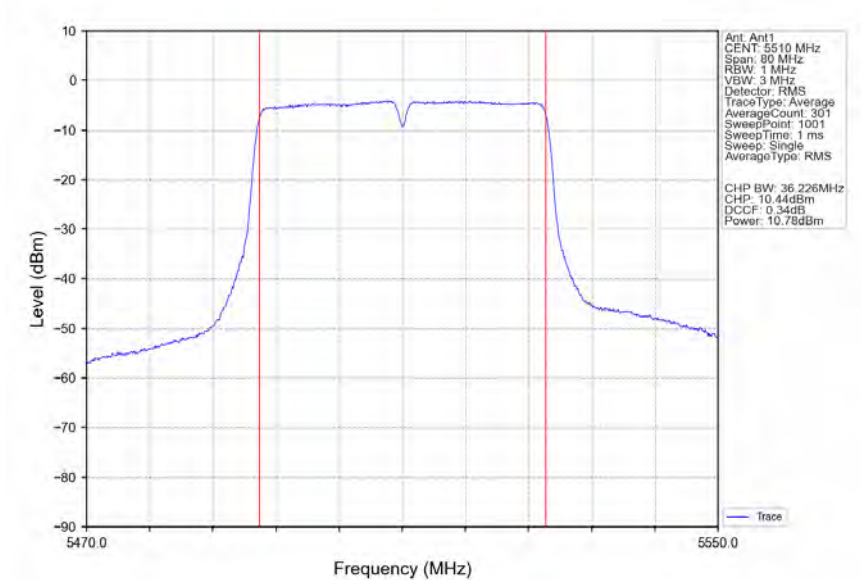
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

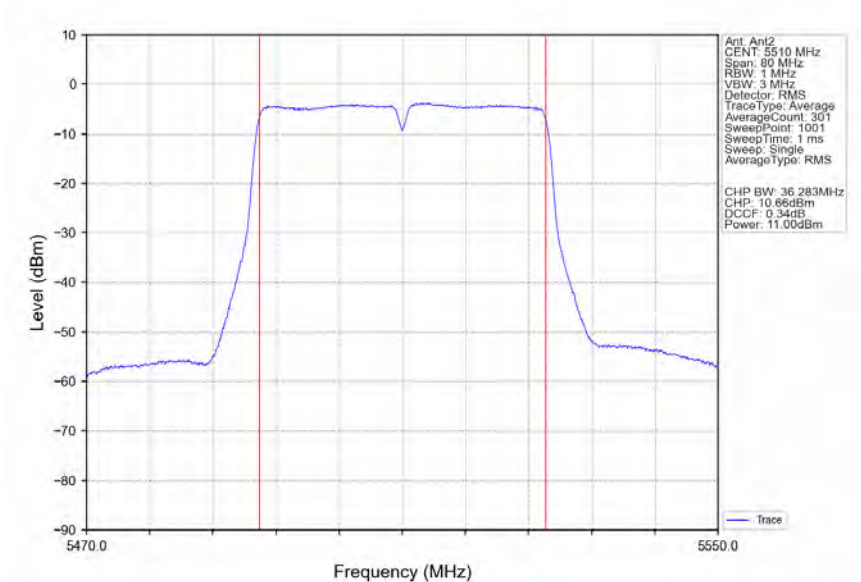
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802.11ac(VHT40) LCH 5510MHz Ant1 NTN



802.11ac(VHT40) LCH 5510MHz Ant2 NTN



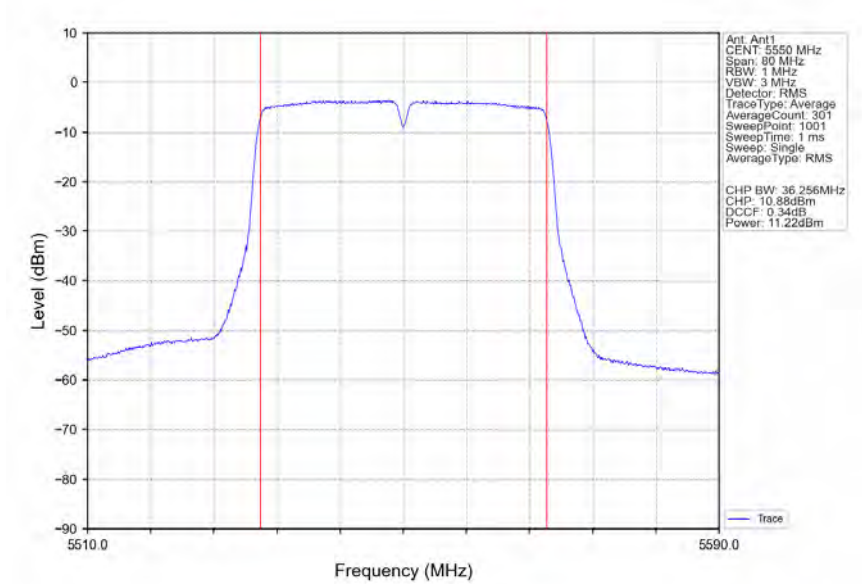
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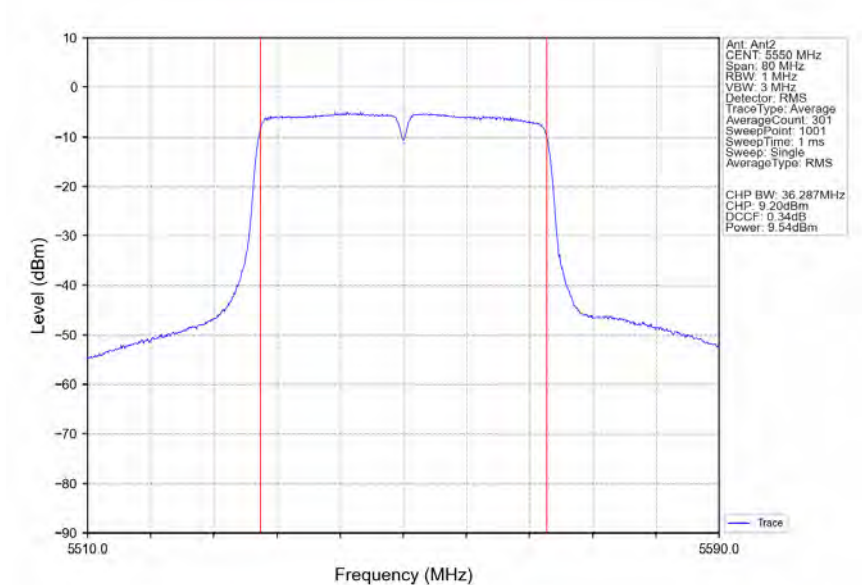
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802.11ac(VHT40) MCH\_5550MHz\_Ant1\_NTNV



802.11ac(VHT40) MCH\_5550MHz\_Ant2\_NTNV



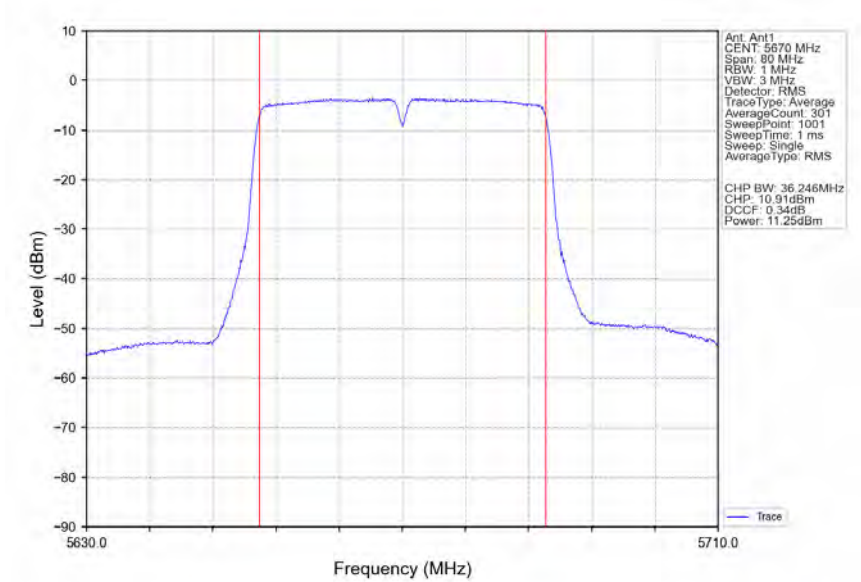
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

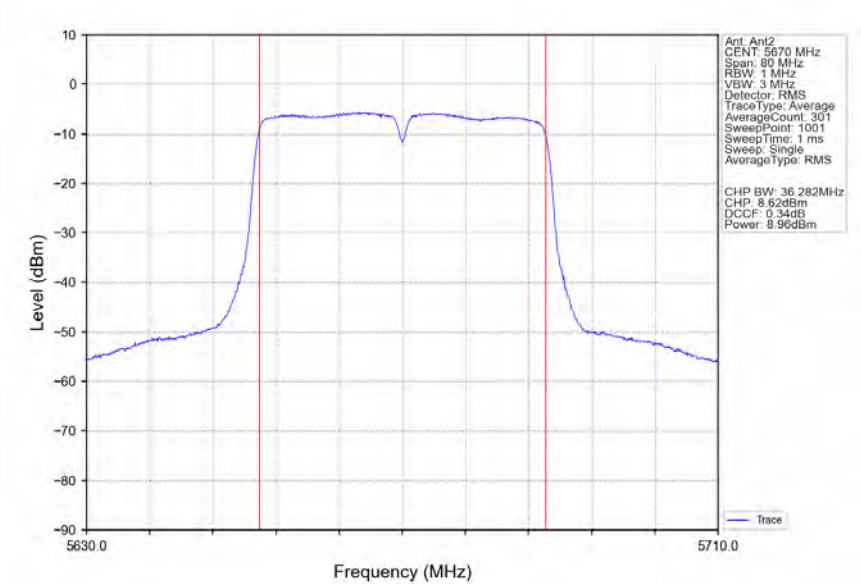
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802.11ac(VHT40) HCH 5670MHz Ant1 NTN



802.11ac(VHT40) HCH 5670MHz Ant2 NTN



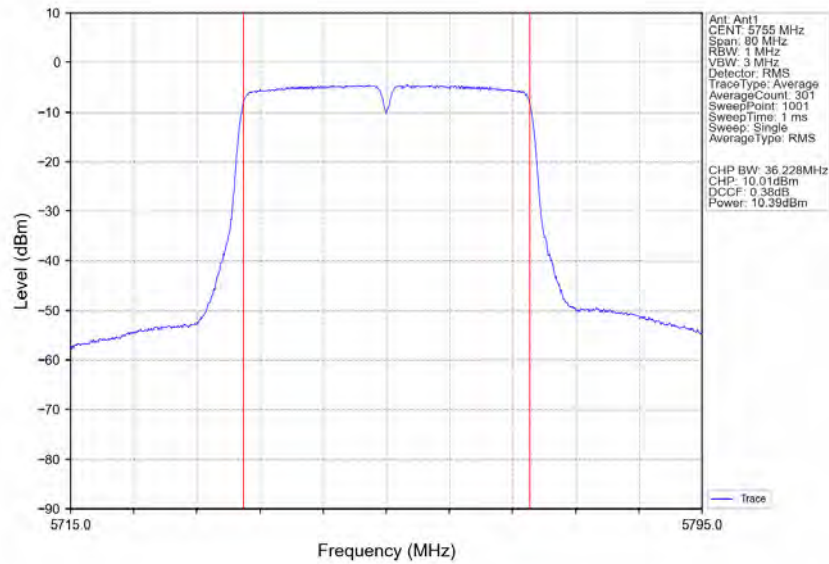
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

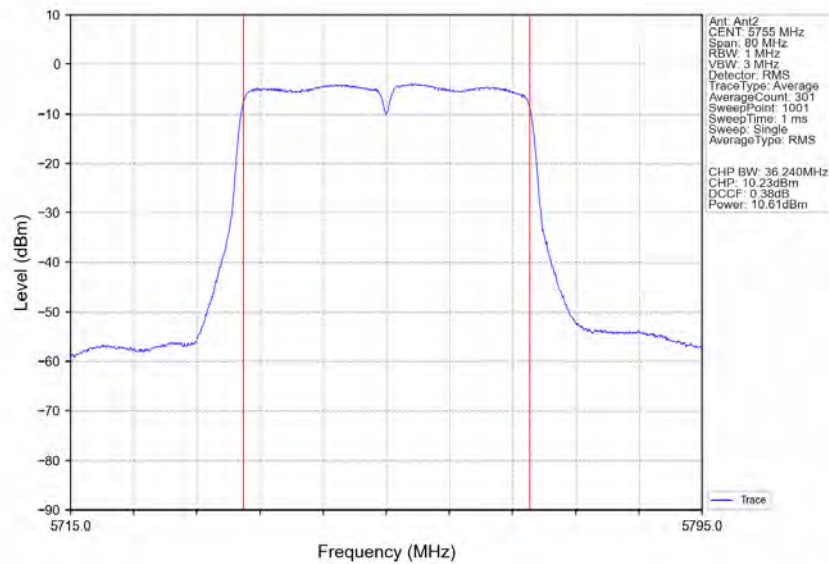
Report No.: KSCR240700123604

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802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) LCH 5755MHz Ant2 NTN



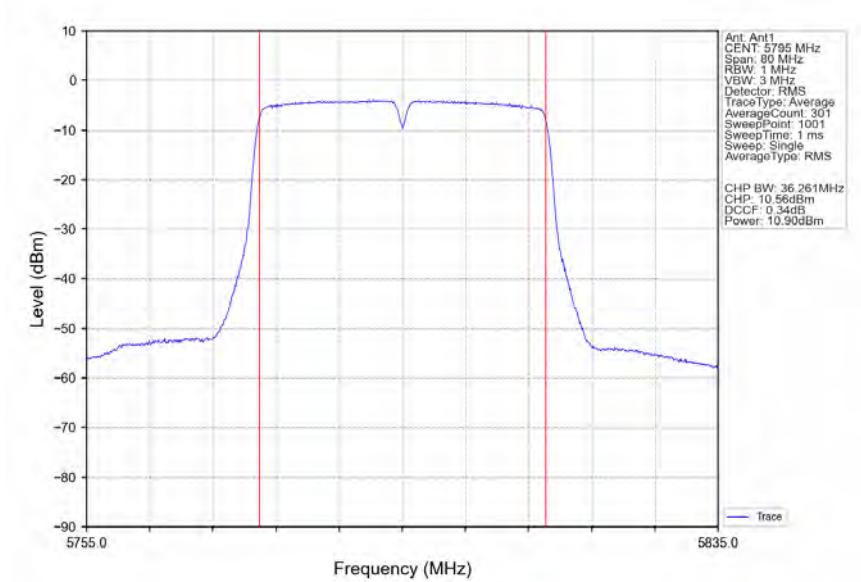
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

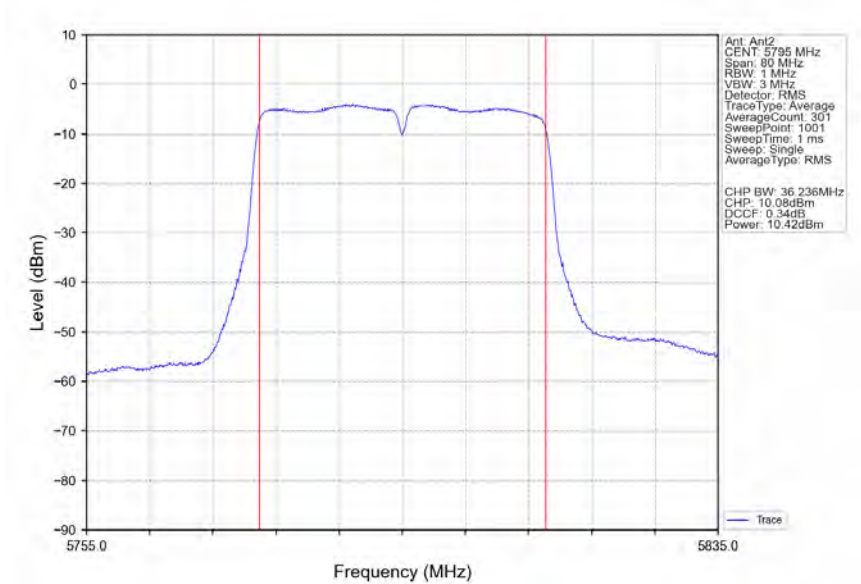
Report No.: KSCR240700123604

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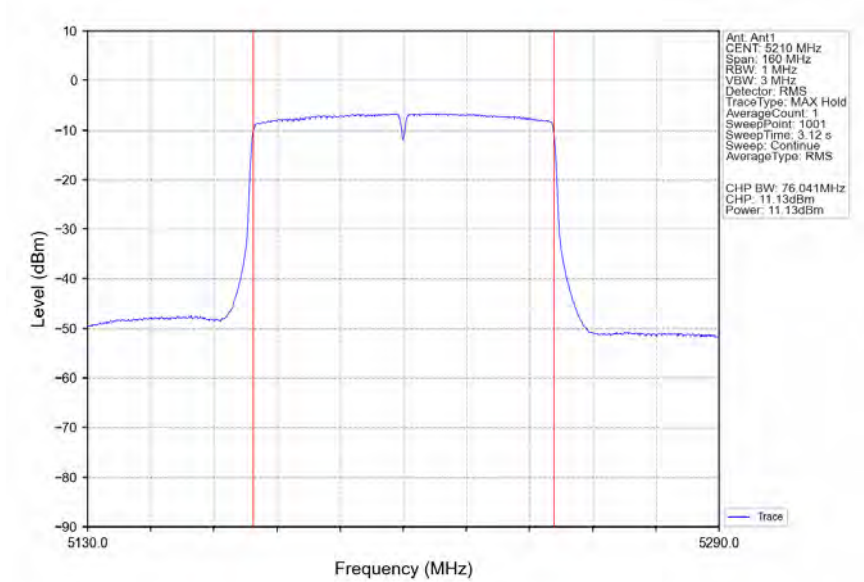
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



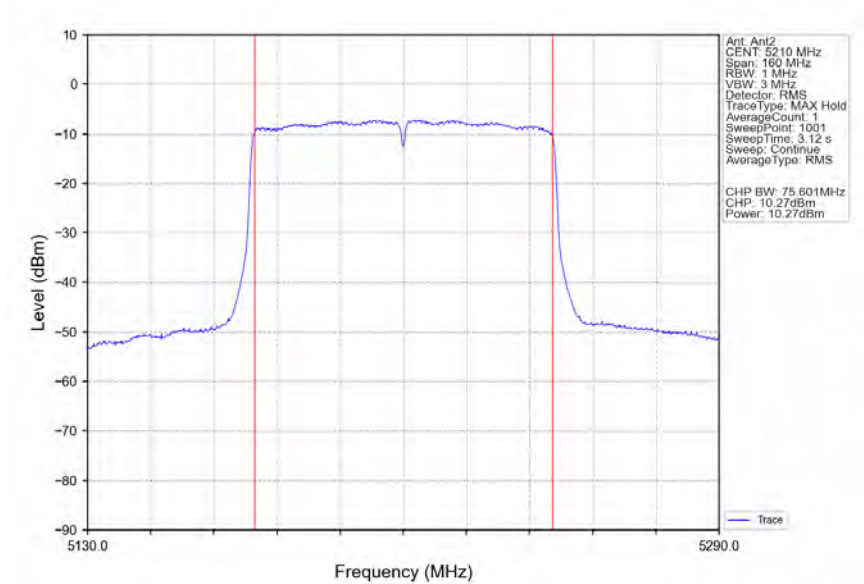
802.11ac(VHT40) HCH 5795MHz Ant2 NTN



802.11ac(VHT80) MCH\_5210MHz\_Ant1\_NTNV



802.11ac(VHT80) MCH\_5210MHz\_Ant2\_NTNV



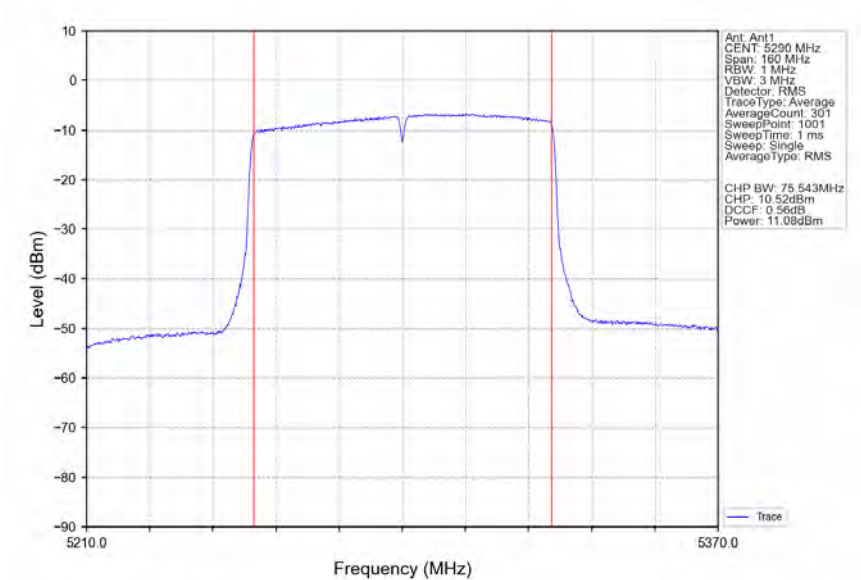
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

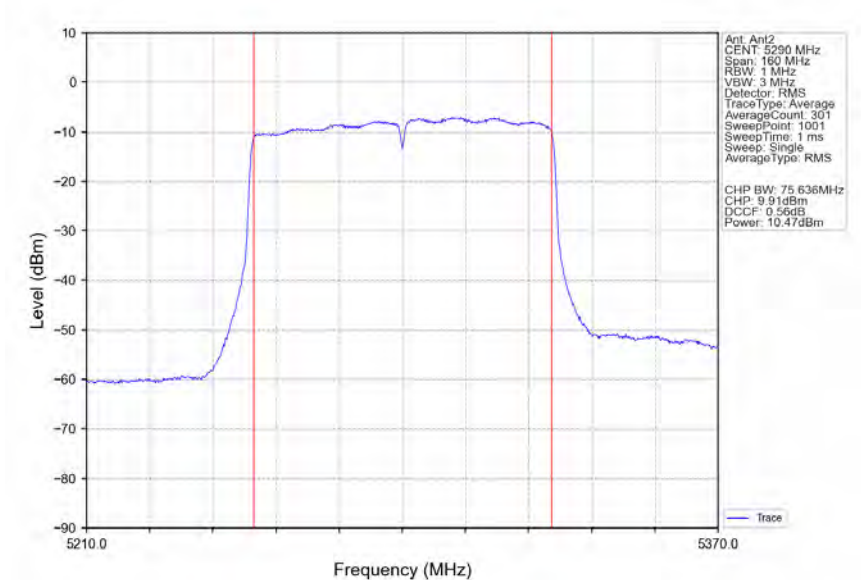
Report No.: KSCR240700123604

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802.11ac(VHT80) MCH\_5290MHz Ant1 NTN



802.11ac(VHT80) MCH\_5290MHz Ant2 NTN



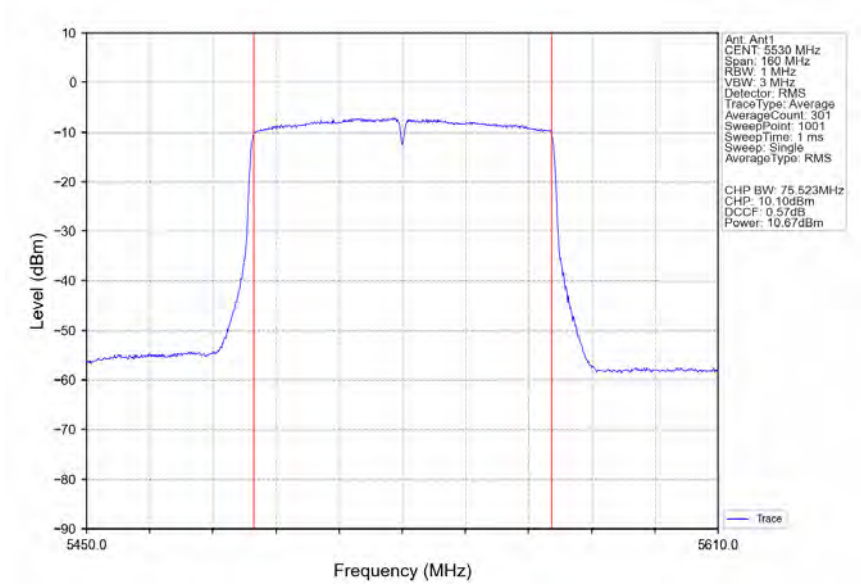
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

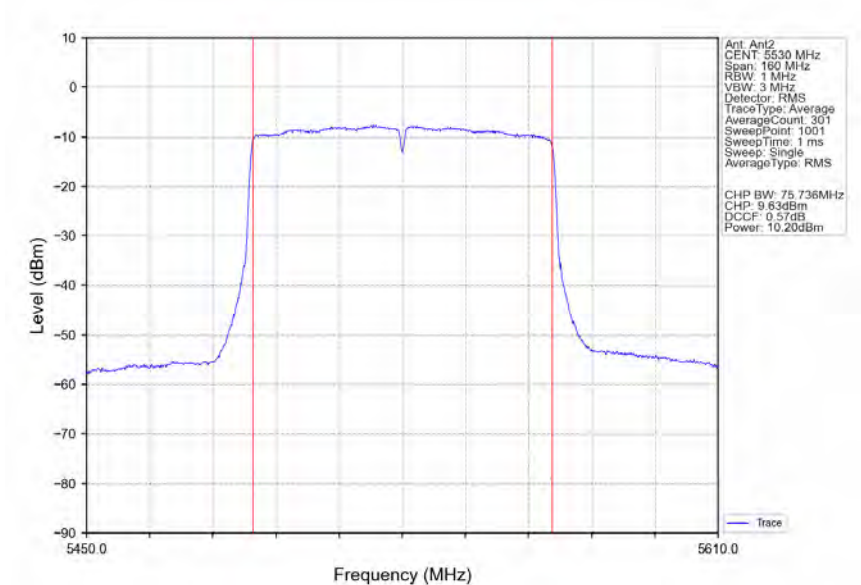
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802.11ac(VHT80) LCH 5530MHz Ant1 NTN



802.11ac(VHT80) LCH 5530MHz Ant2 NTN



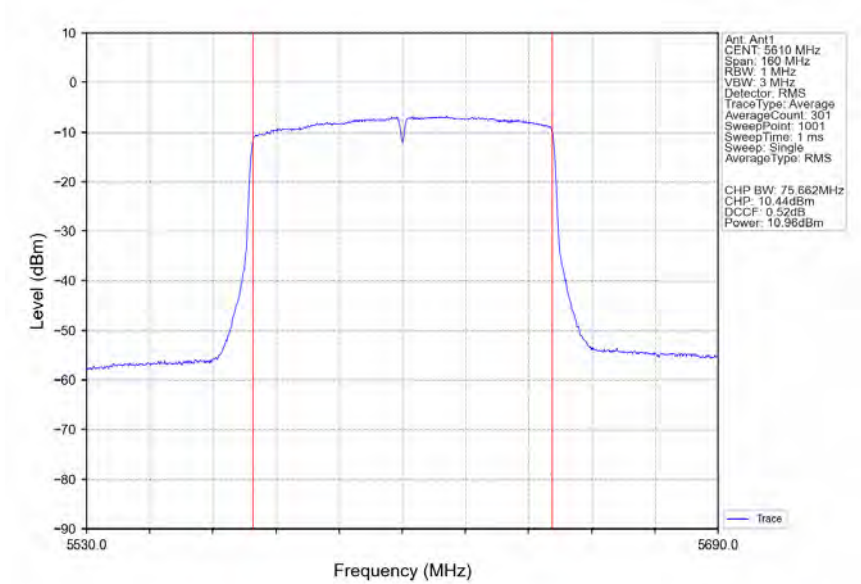
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

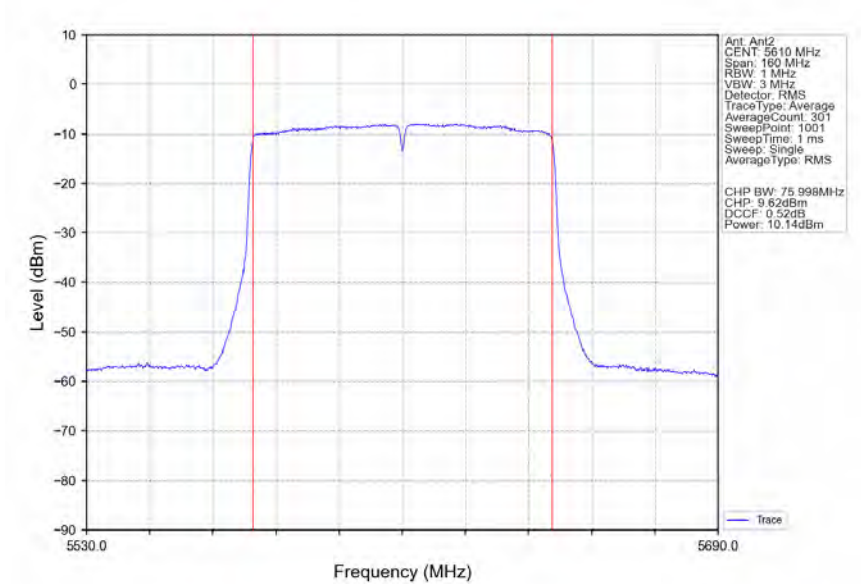
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802.11ac(VHT80) HCH 5610MHz Ant1 NTN



802.11ac(VHT80) HCH 5610MHz Ant2 NTN



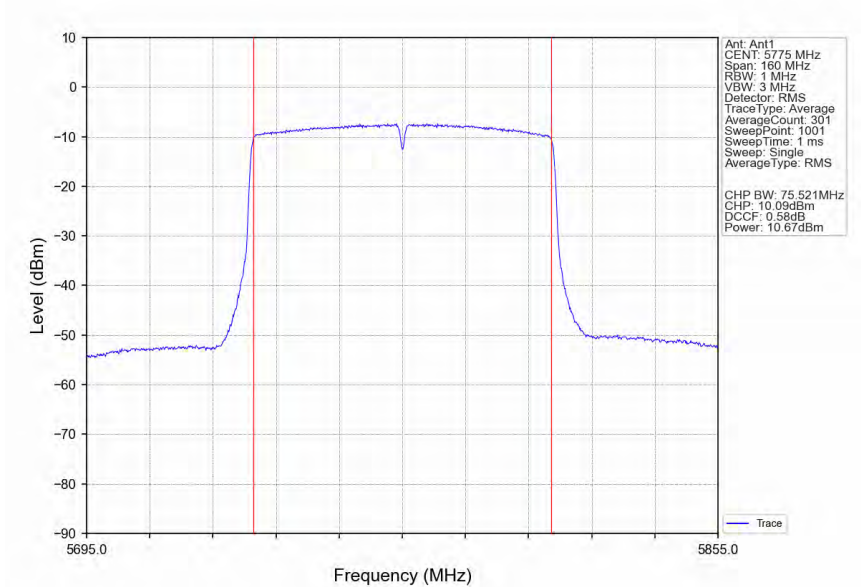
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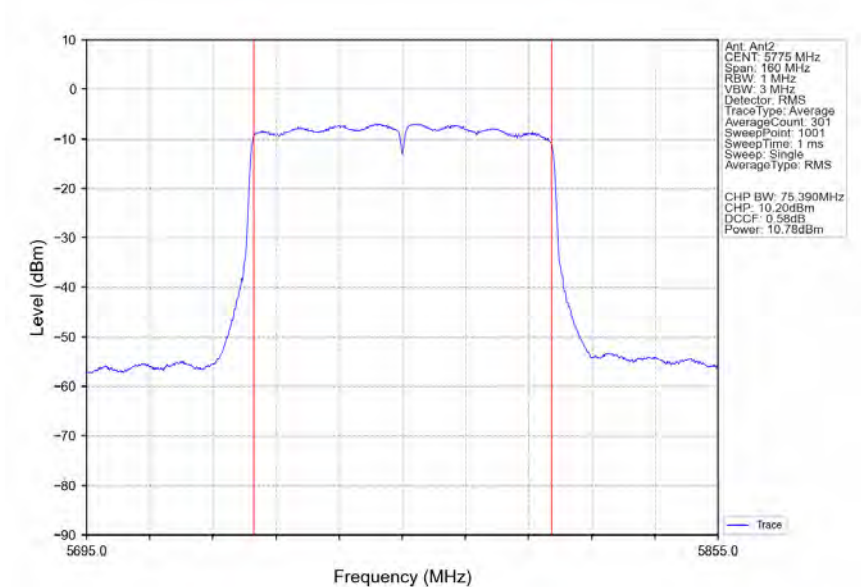
Report No.: KSCR240700123604

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802.11ac(VHT80) MCH\_5775MHz Ant1 NTN



802.11ac(VHT80) MCH\_5775MHz Ant2 NTN



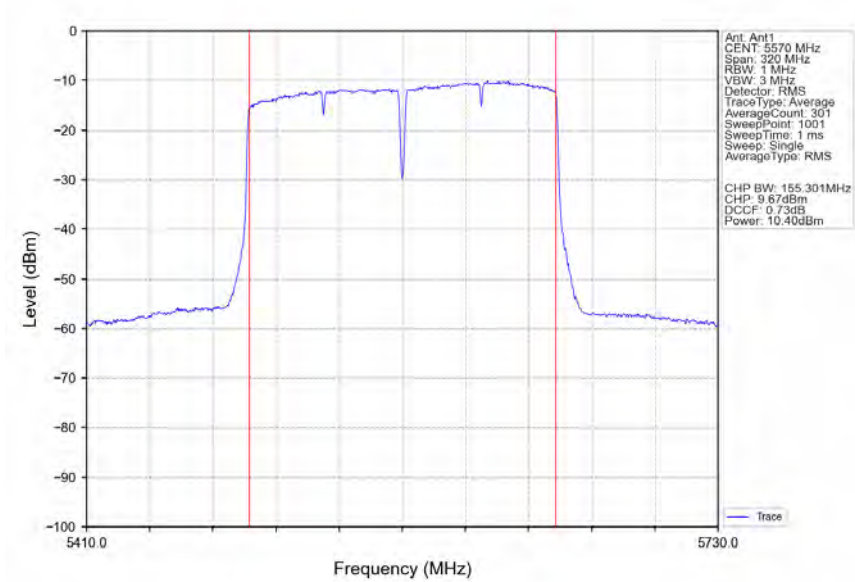
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

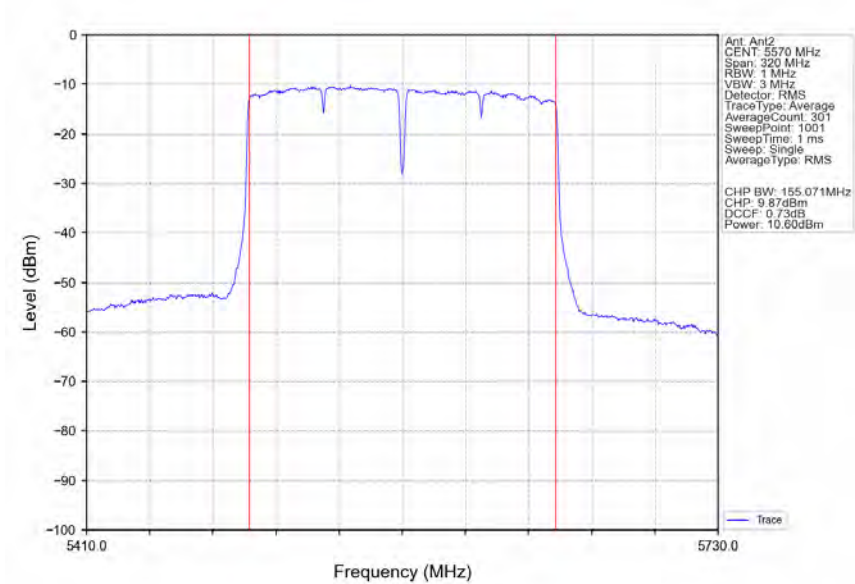
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802.11ac(VHT160) MCH 5570MHz Ant1 NTN



802.11ac(VHT160) MCH 5570MHz Ant2 NTN



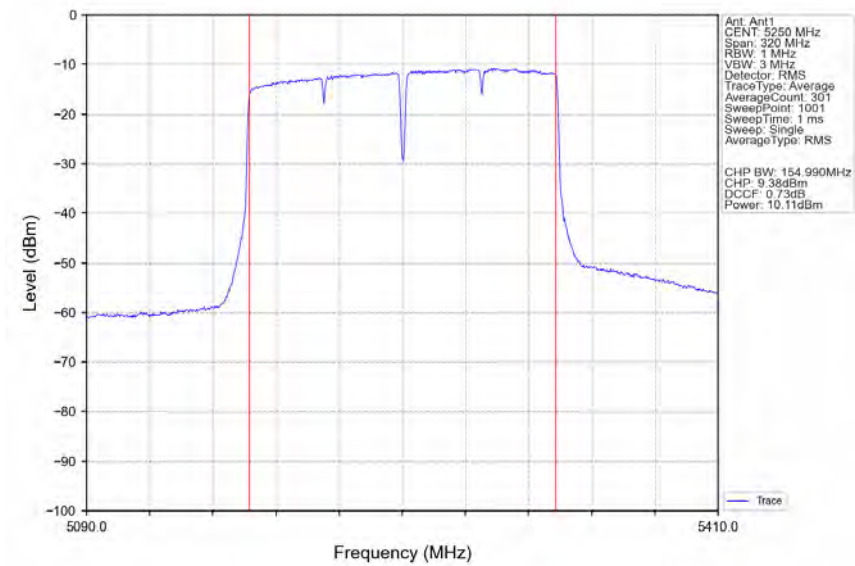
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

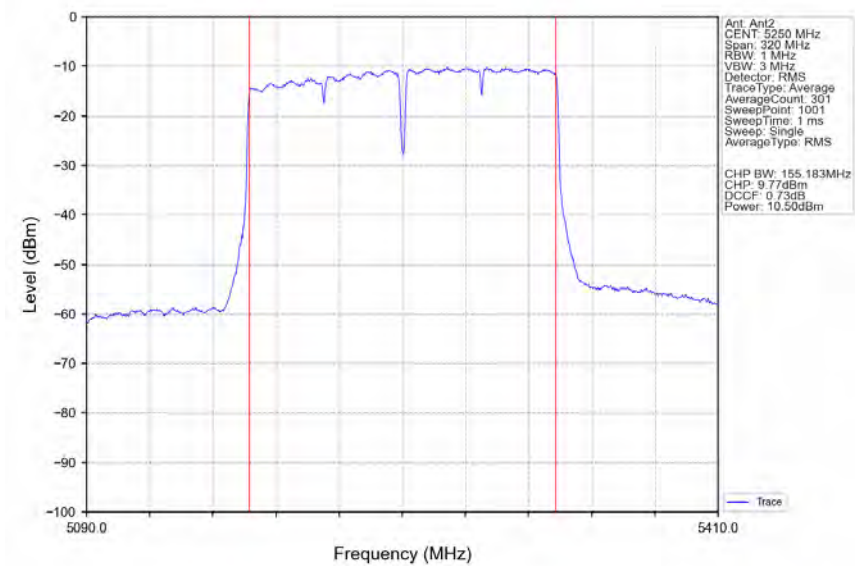
Report No.: KSCR240700123604

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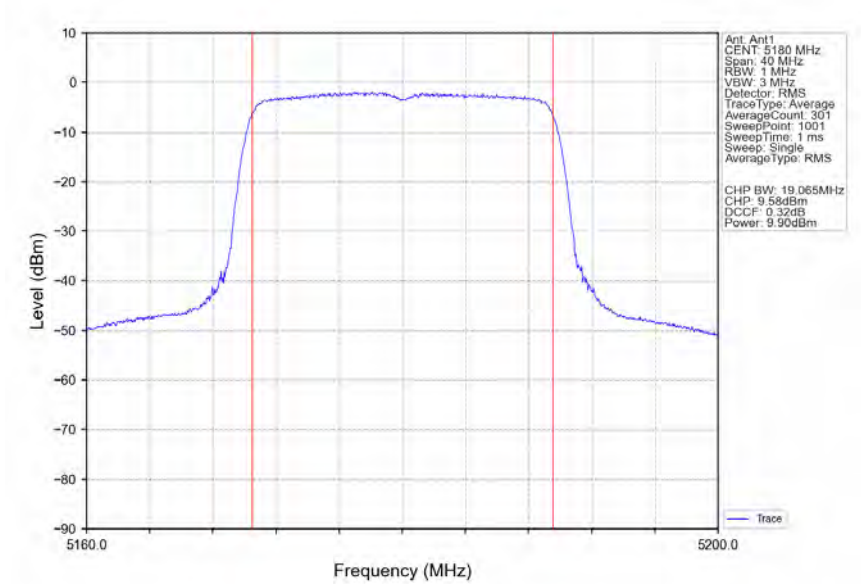
802.11ac(VHT160) MCH 5250MHz Ant1 NTN



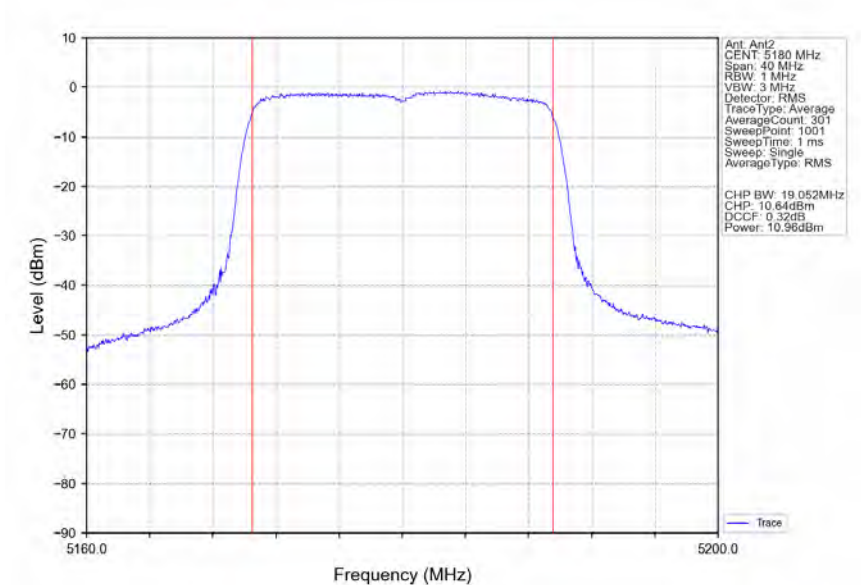
802.11ac(VHT160) MCH 5250MHz Ant2 NTN



802.11ax(HEW20) LCH 5180MHz RU242 Left Ant1 NTN



802.11ax(HEW20) LCH 5180MHz RU242 Left Ant2 NTN



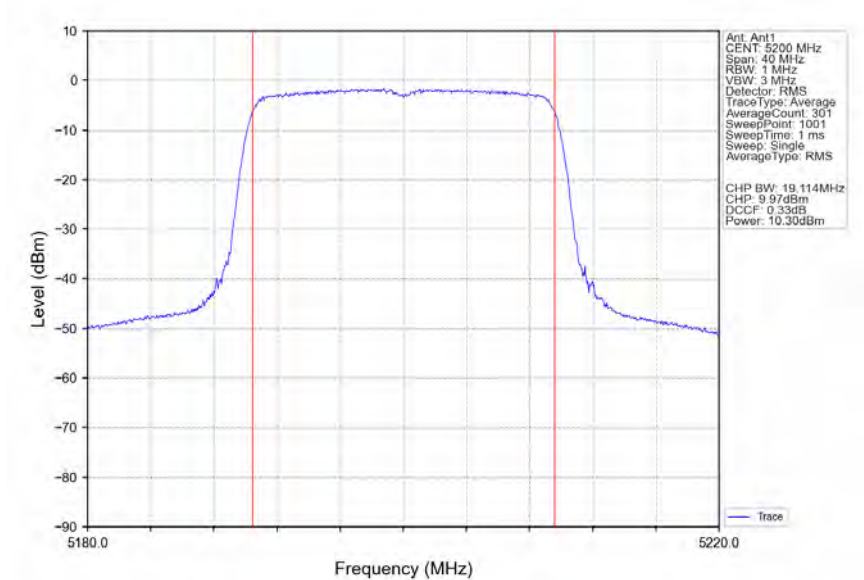
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

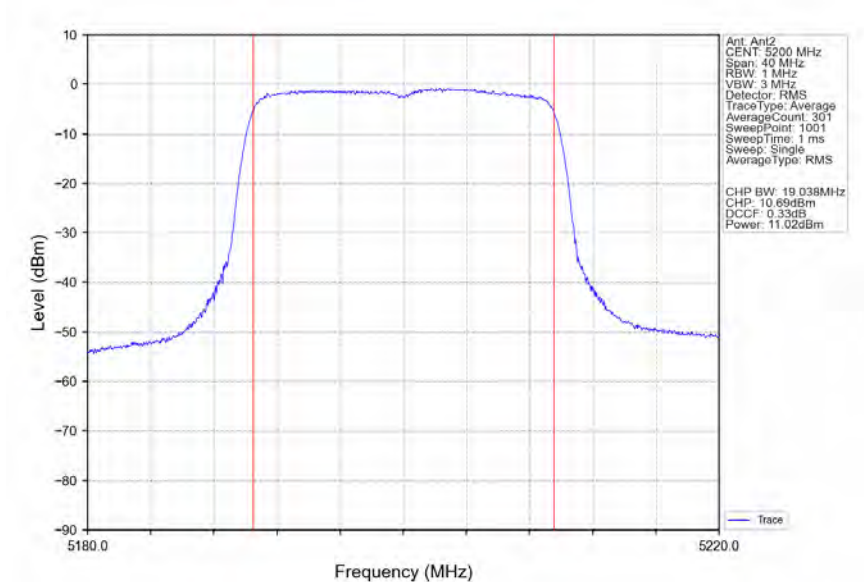
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802.11ax(HEW20) MCH 5200MHz RU242 Left Ant1 NTN



802.11ax(HEW20) MCH 5200MHz RU242 Left Ant2 NTN



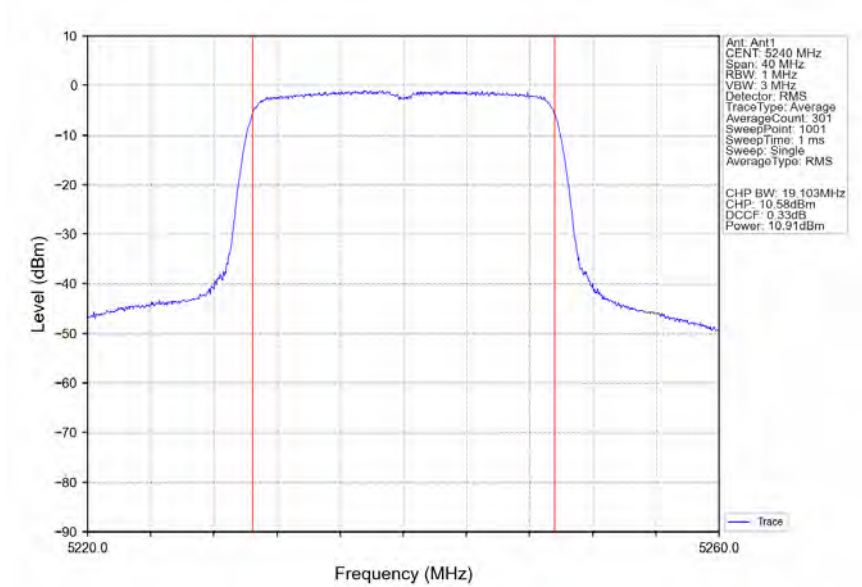
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

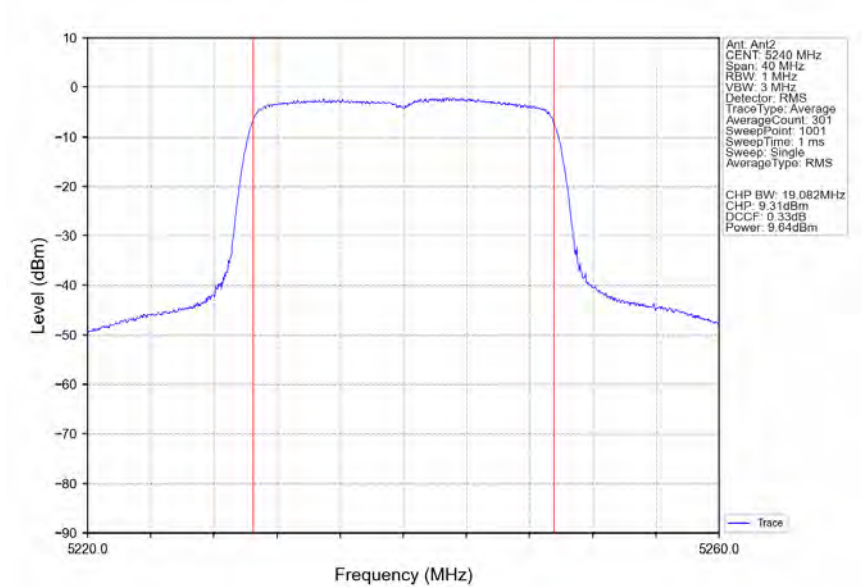
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802.11ax(HEW20) HCH 5240MHz RU242 Left Ant1 NTN



802.11ax(HEW20) HCH 5240MHz RU242 Left Ant2 NTN



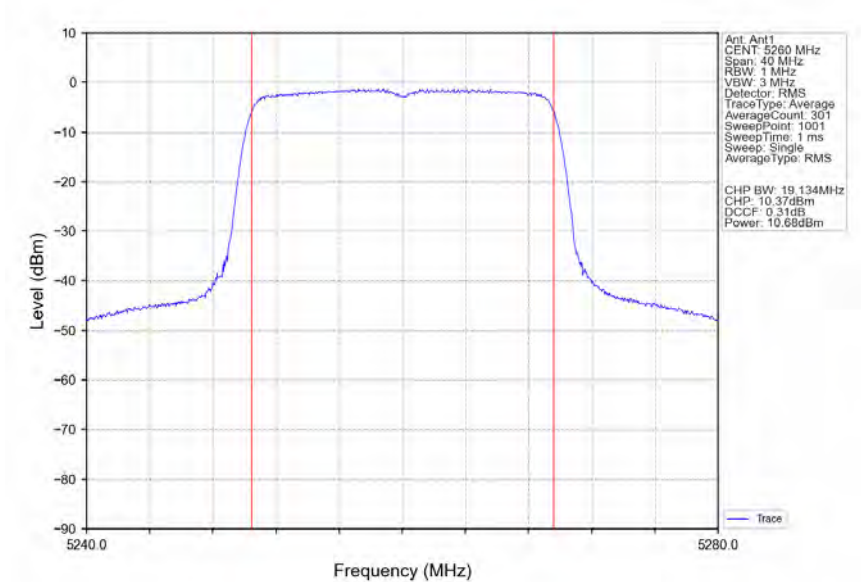
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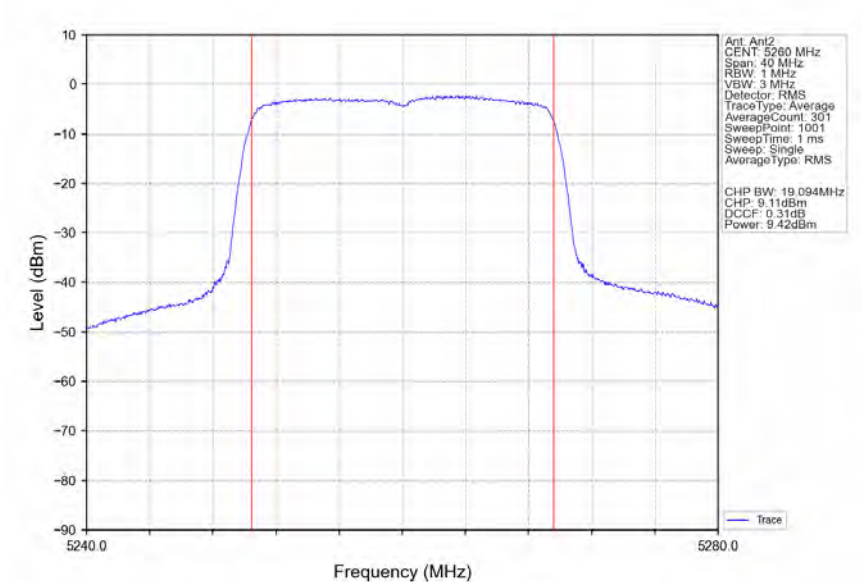
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802.11ax(HEW20) LCH 5260MHz RU242 Left Ant1 NTNW



802.11ax(HEW20) LCH 5260MHz RU242 Left Ant2 NTNW



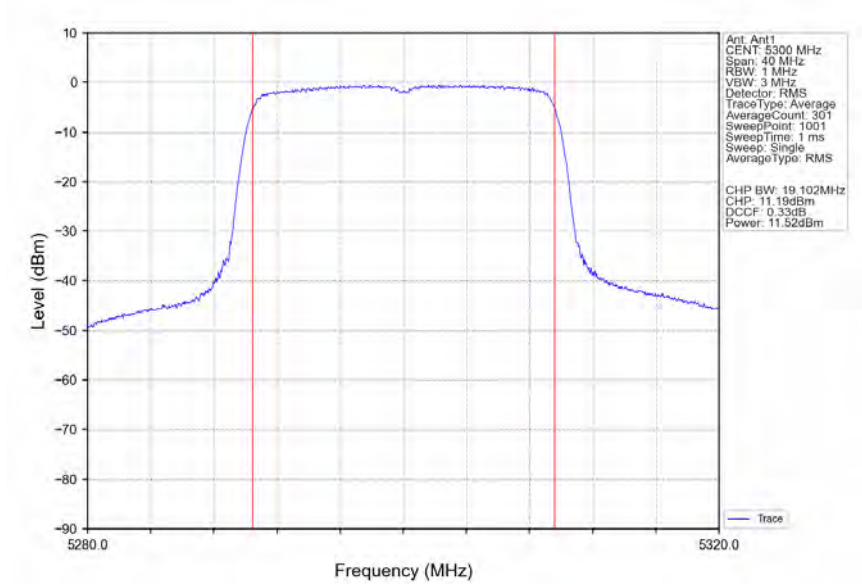
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

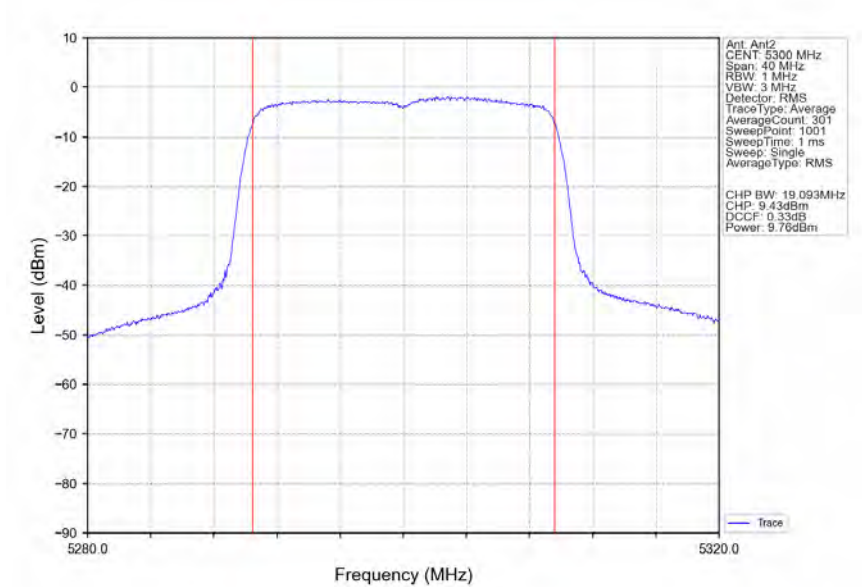
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802.11ax(HEW20) MCH\_5300MHz RU242 Left Ant1 NTNW



802.11ax(HEW20) MCH\_5300MHz RU242 Left Ant2 NTNW



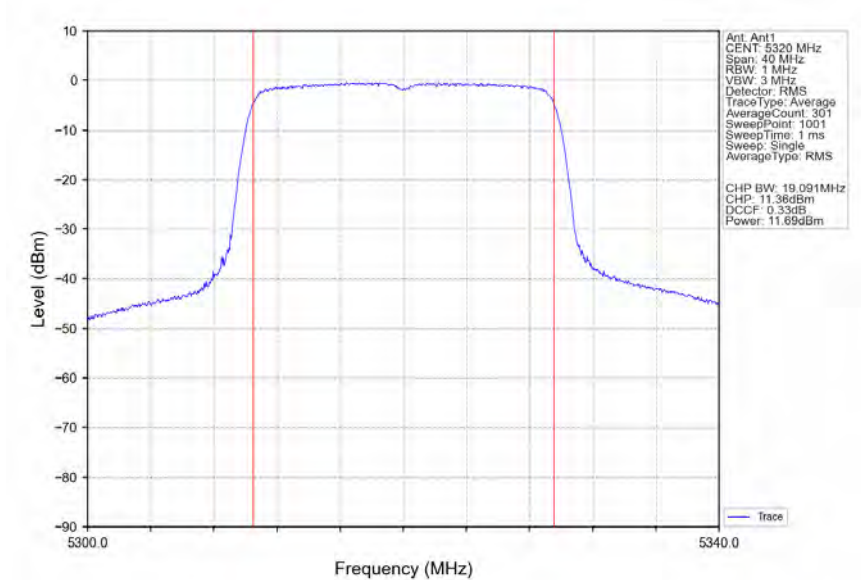
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

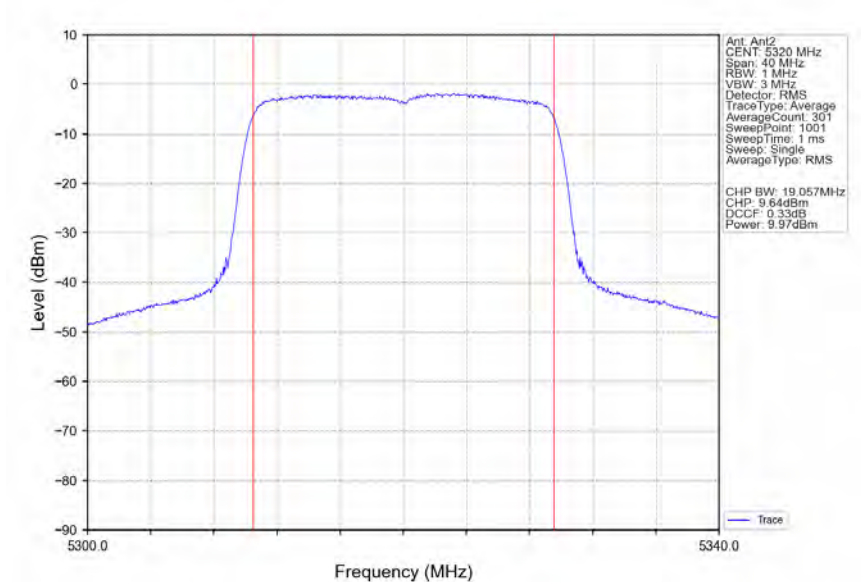
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802.11ax(HEW20) HCH 5320MHz RU242 Left Ant1 NTN



802.11ax(HEW20) HCH 5320MHz RU242 Left Ant2 NTN



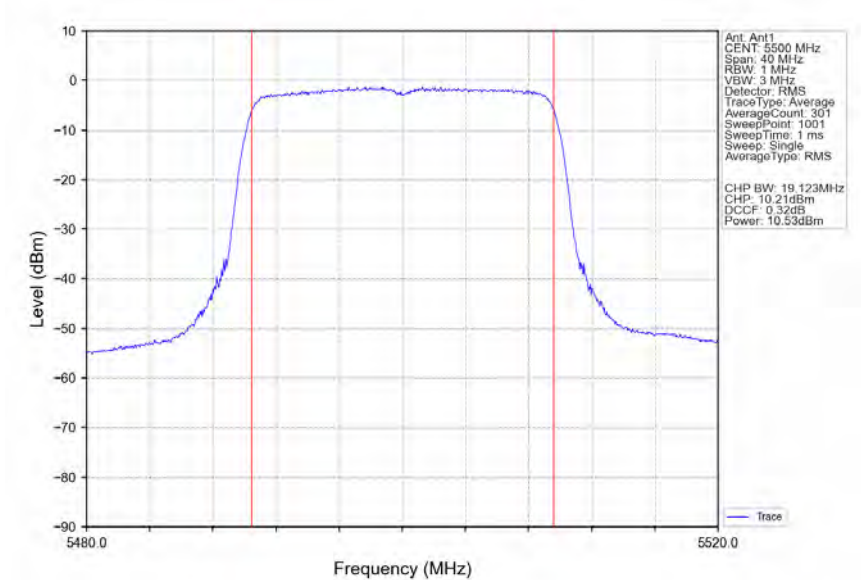
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

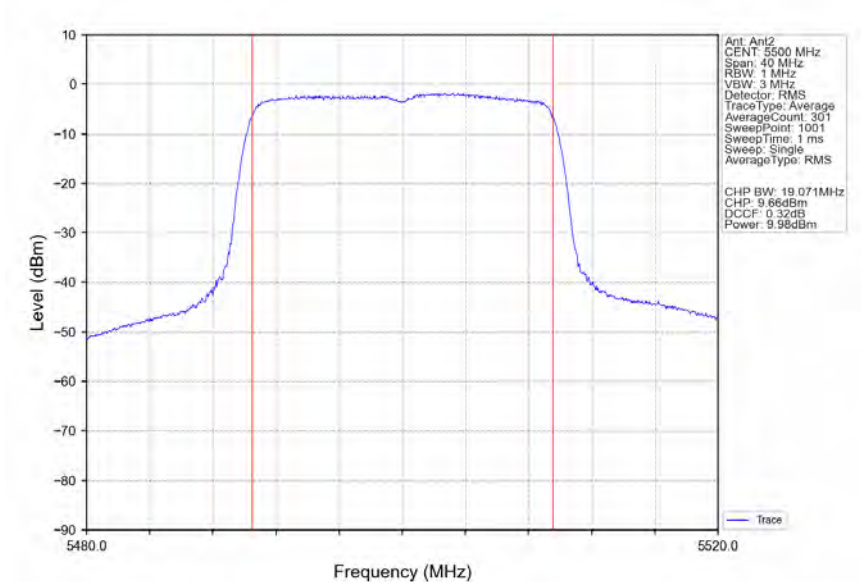
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802.11ax(HEW20) LCH 5500MHz RU242 Left Ant1 NTN



802.11ax(HEW20) LCH 5500MHz RU242 Left Ant2 NTN



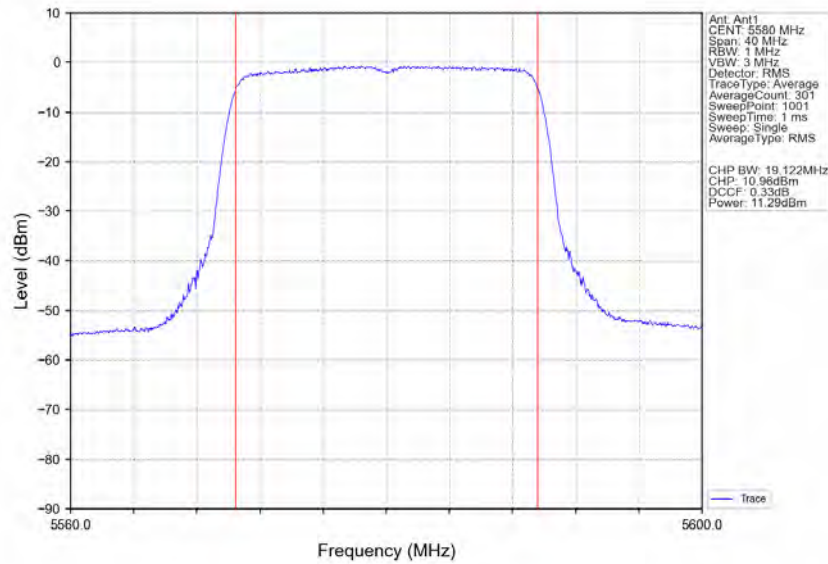
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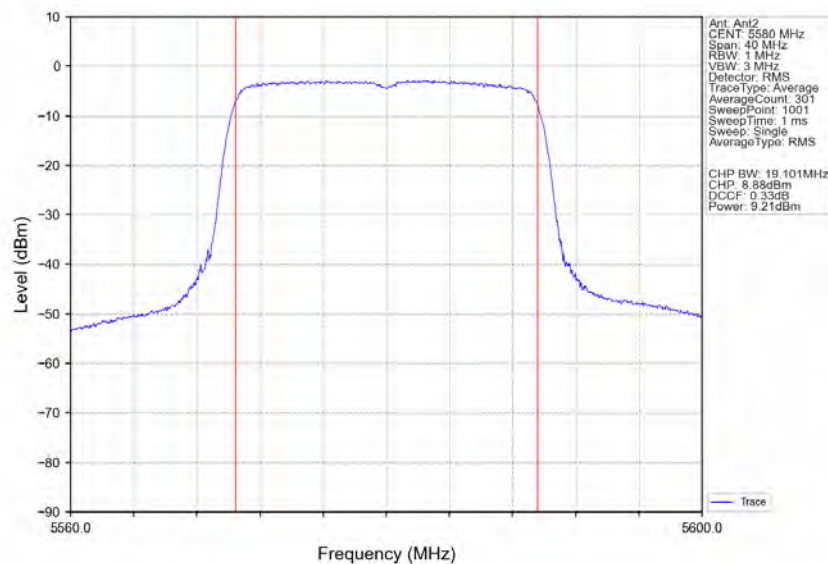
Report No.: KSCR240700123604

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802.11ax(HEW20) MCH\_5580MHz RU242 Left Ant1 NTNv



802.11ax(HEW20) MCH\_5580MHz RU242 Left Ant2 NTNv



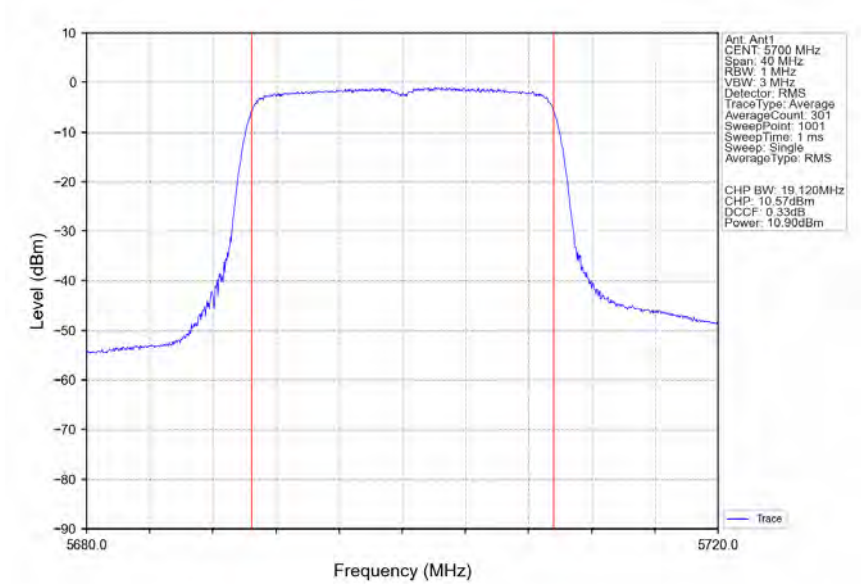
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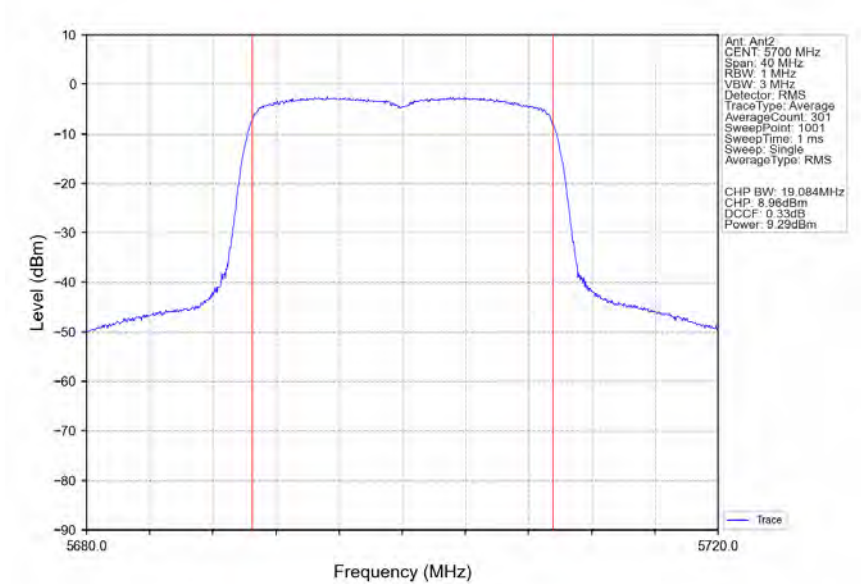
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802.11ax(HEW20) HCH 5700MHz RU242 Left Ant1 NTN



802.11ax(HEW20) HCH 5700MHz RU242 Left Ant2 NTN



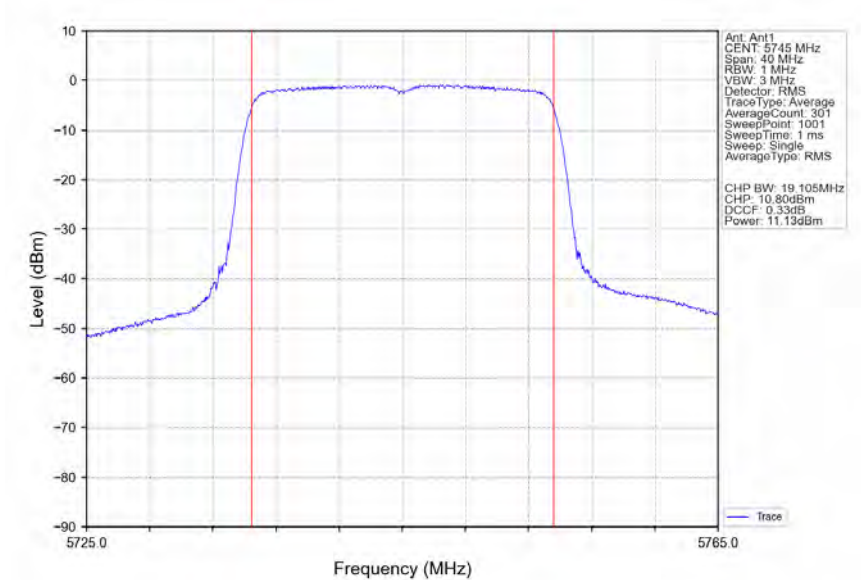
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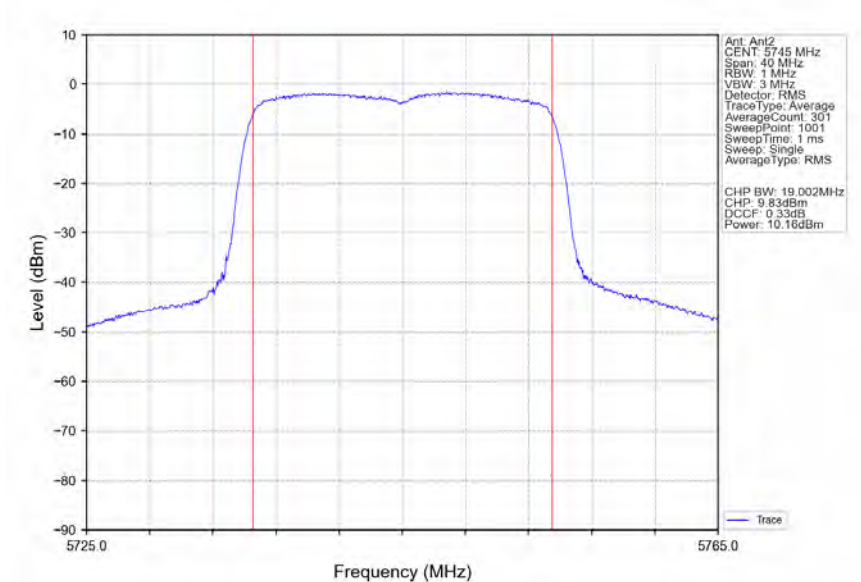
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802.11ax(HEW20) LCH 5745MHz RU242 Left Ant1 NTNW



802.11ax(HEW20) LCH 5745MHz RU242 Left Ant2 NTNW



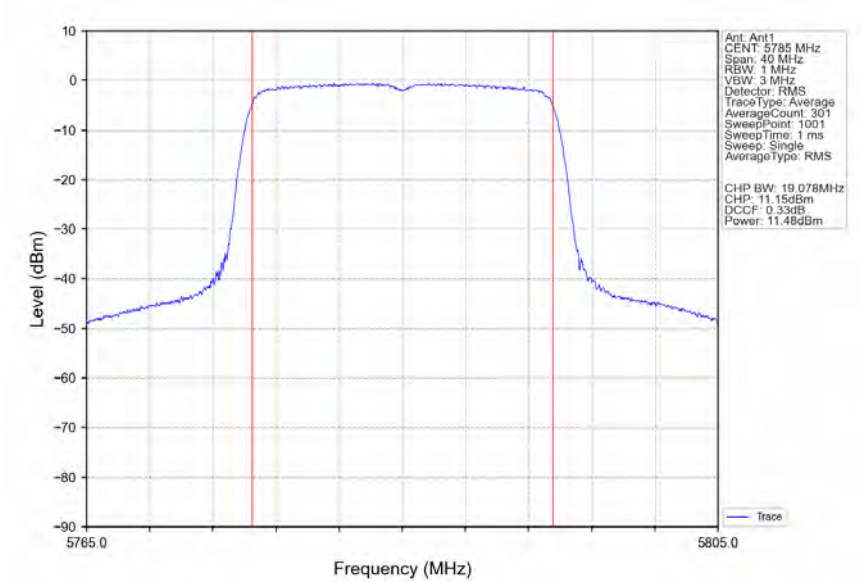
## Compliance Certification Services (Kunshan) Inc.

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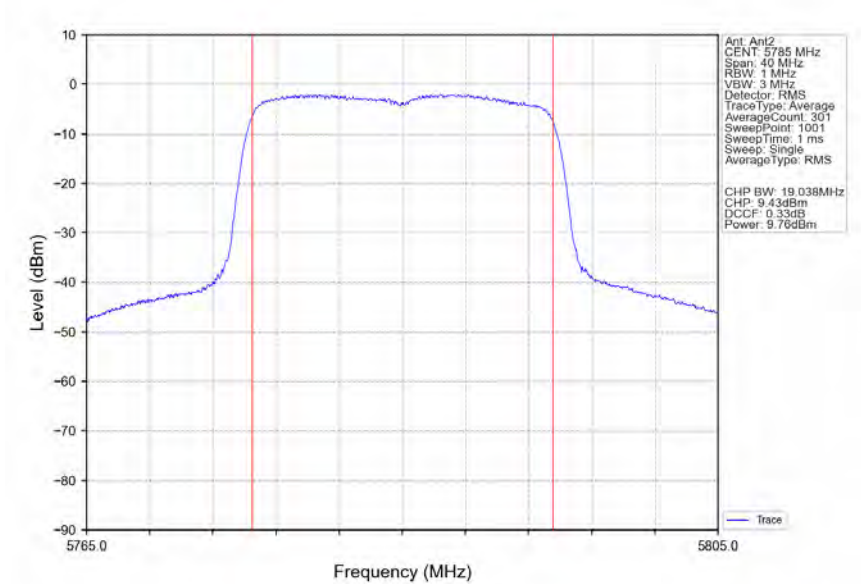
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802.11ax(HEW20) MCH\_5785MHz RU242 Left Ant1 NTNW



802.11ax(HEW20) MCH\_5785MHz RU242 Left Ant2 NTNW



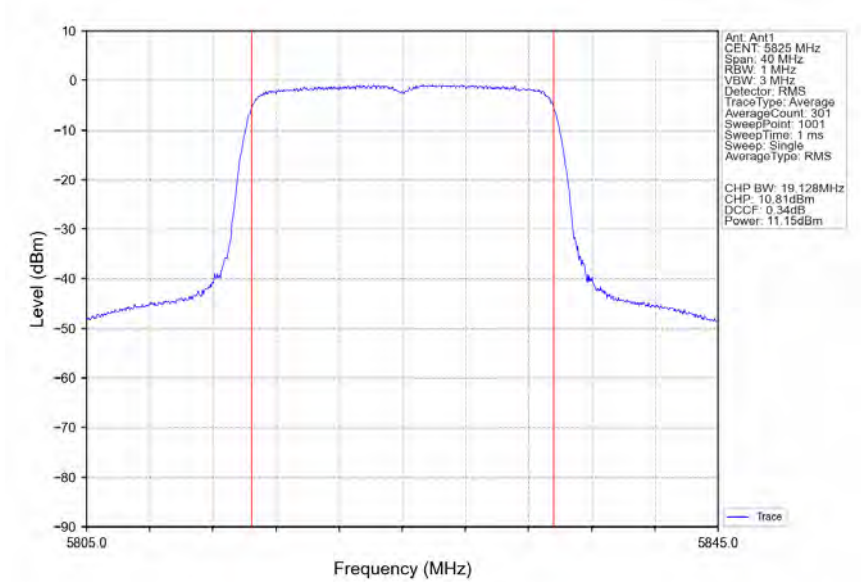
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

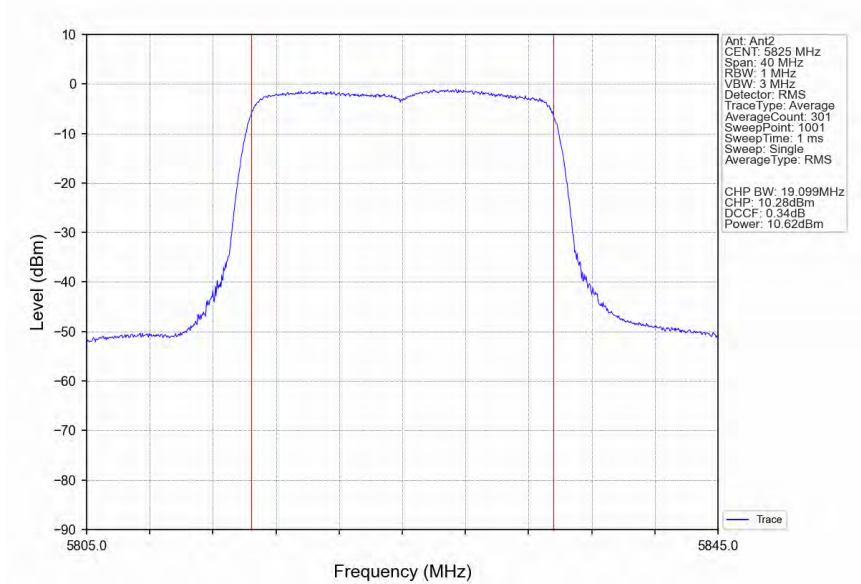
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802.11ax(HEW20) HCH 5825MHz RU242 Left Ant1 NTN



802.11ax(HEW20) HCH 5825MHz RU242 Left Ant2 NTN



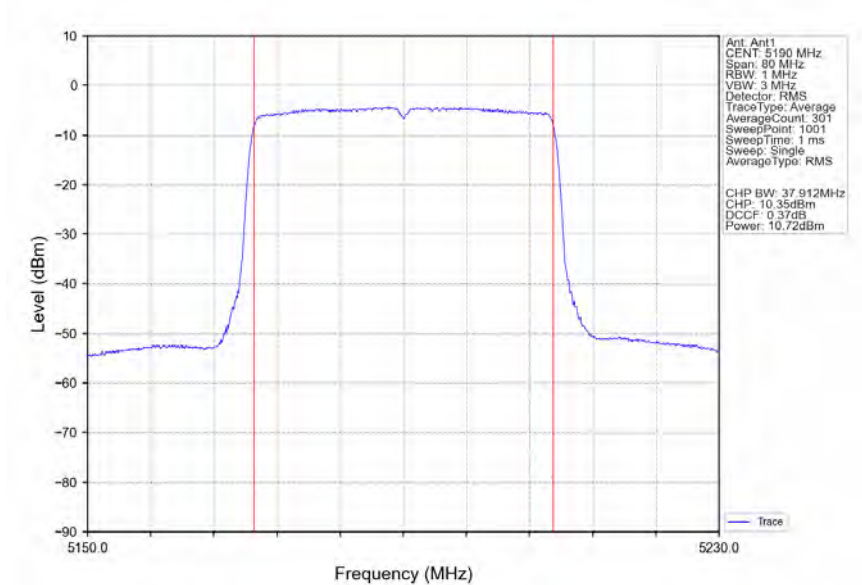
## Compliance Certification Services (Kunshan) Inc.

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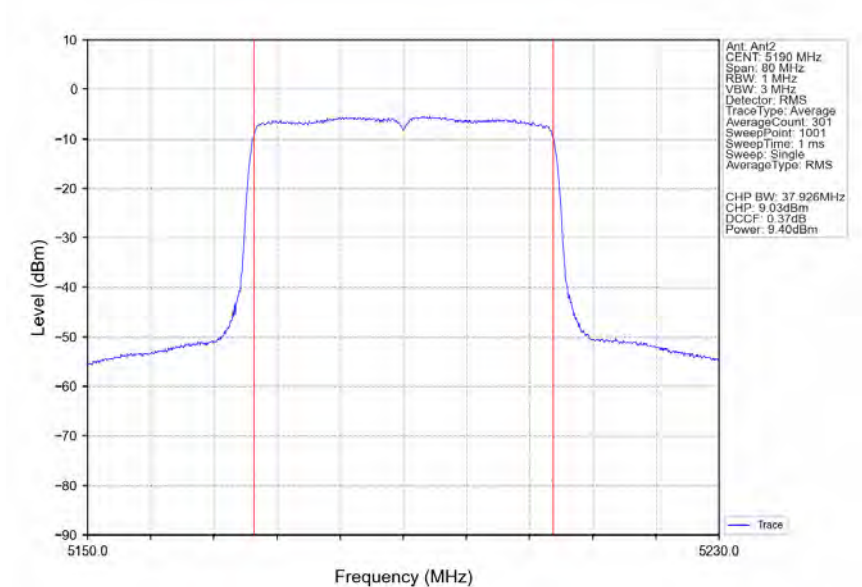
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802.11ax(HEW40) LCH 5190MHz RU484 Left Ant1 NTN



802.11ax(HEW40) LCH 5190MHz RU484 Left Ant2 NTN



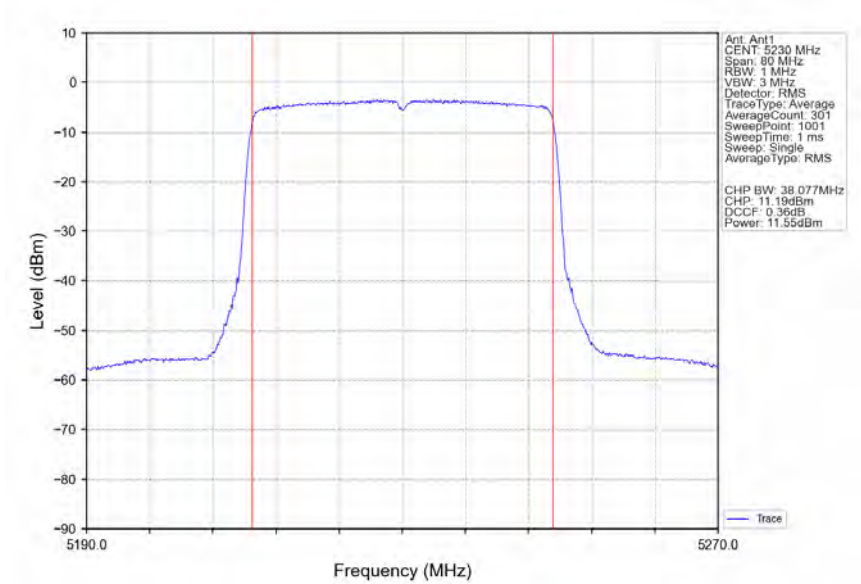
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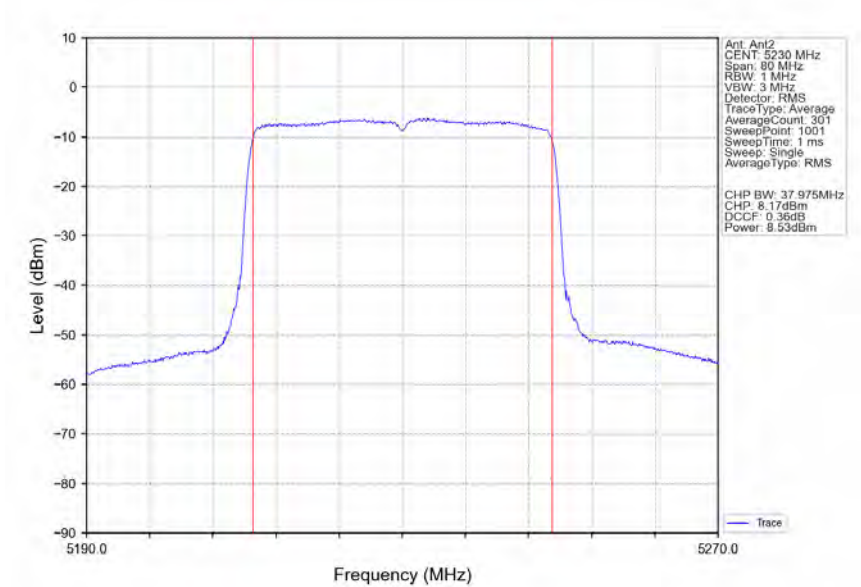
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802.11ax(HEW40) HCH 5230MHz RU484 Left Ant1 NTN



802.11ax(HEW40) HCH 5230MHz RU484 Left Ant2 NTN



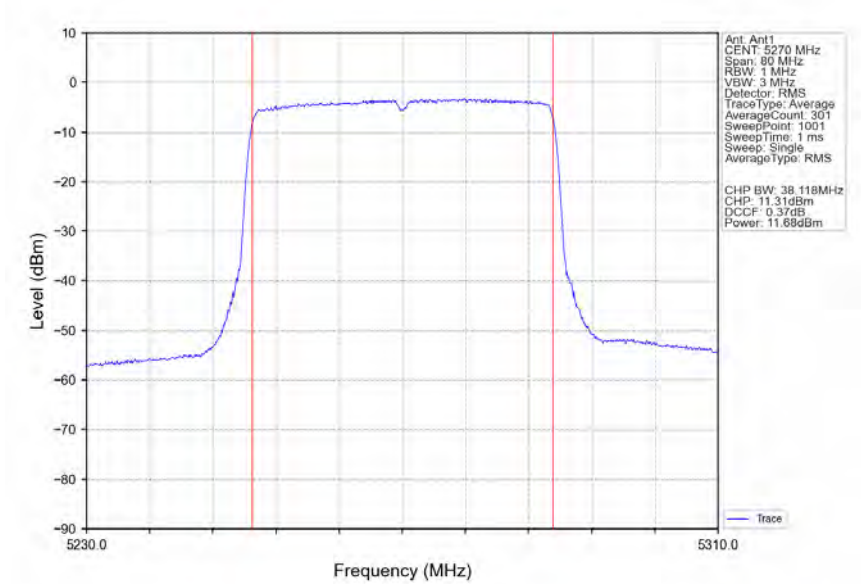
## Compliance Certification Services (Kunshan) Inc.

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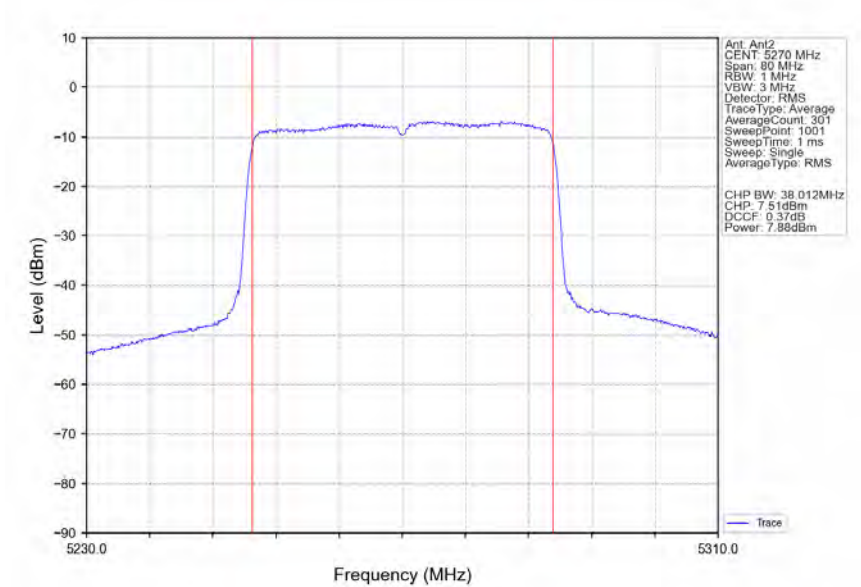
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802.11ax(HEW40) LCH 5270MHz RU484 Left Ant1 NTN



802.11ax(HEW40) LCH 5270MHz RU484 Left Ant2 NTN



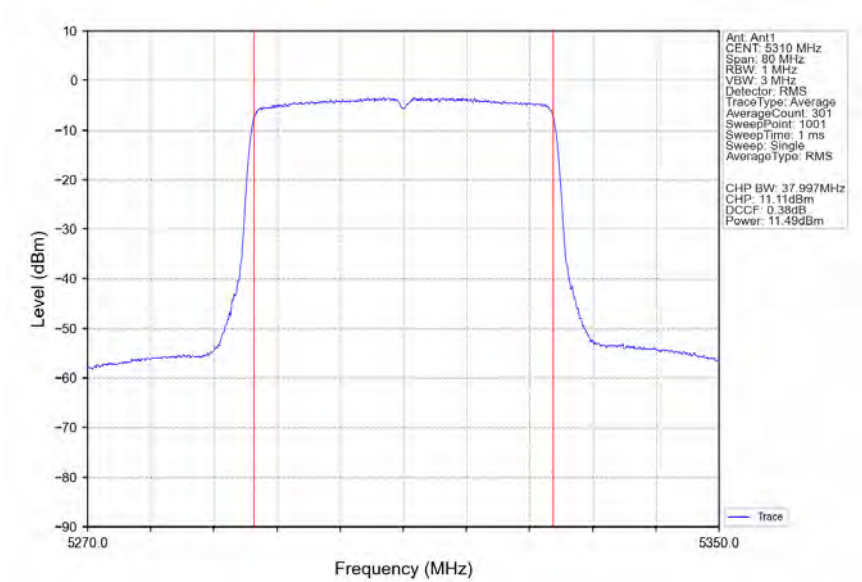
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

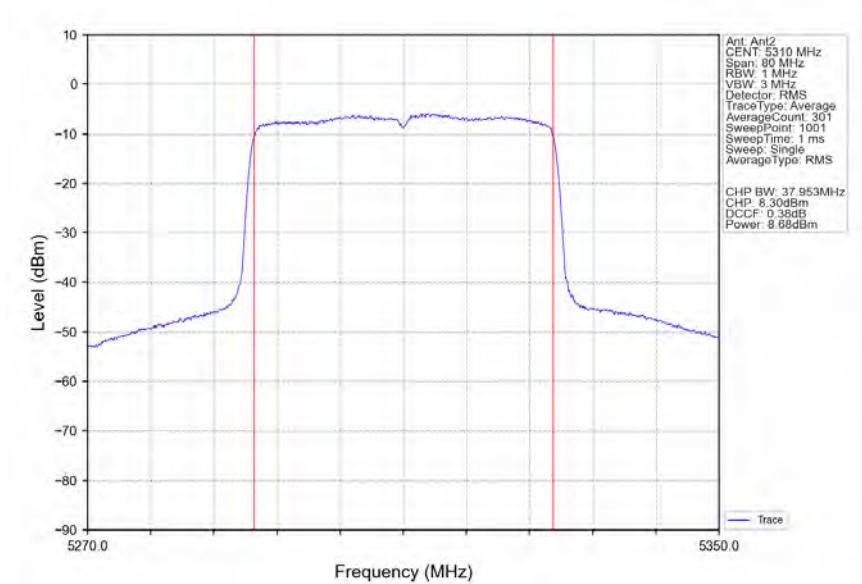
Report No.: KSCR240700123604

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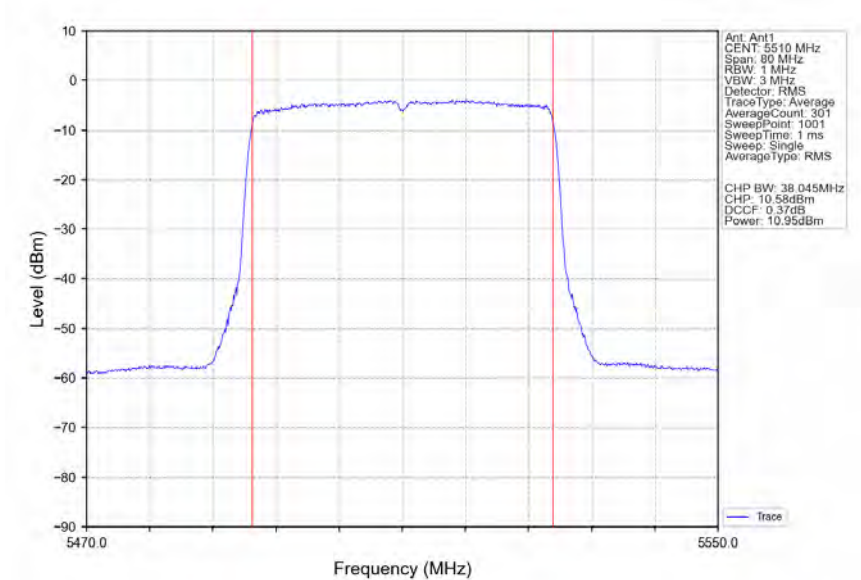
802.11ax(HEW40) HCH 5310MHz RU484 Left Ant1 NTN



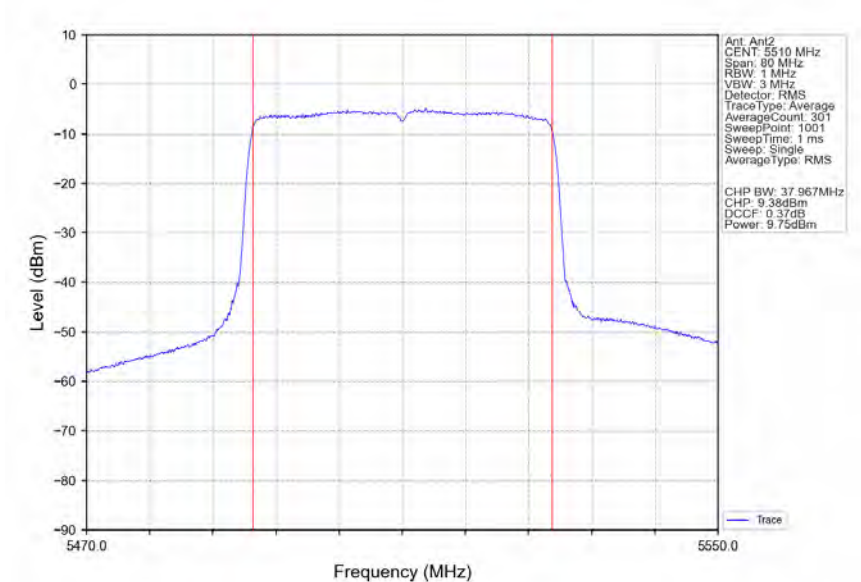
802.11ax(HEW40) HCH 5310MHz RU484 Left Ant2 NTN



802.11ax(HEW40) LCH 5510MHz RU484 Left Ant1 NTN



802.11ax(HEW40) LCH 5510MHz RU484 Left Ant2 NTN



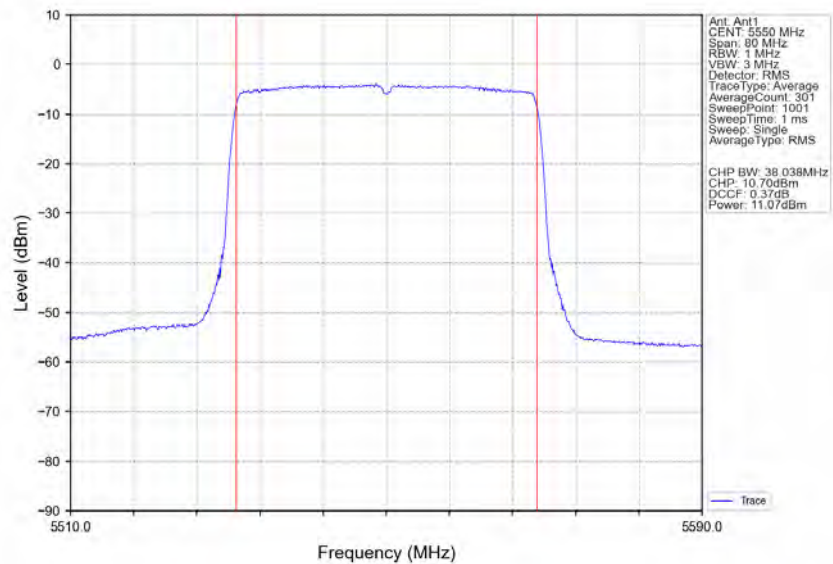
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

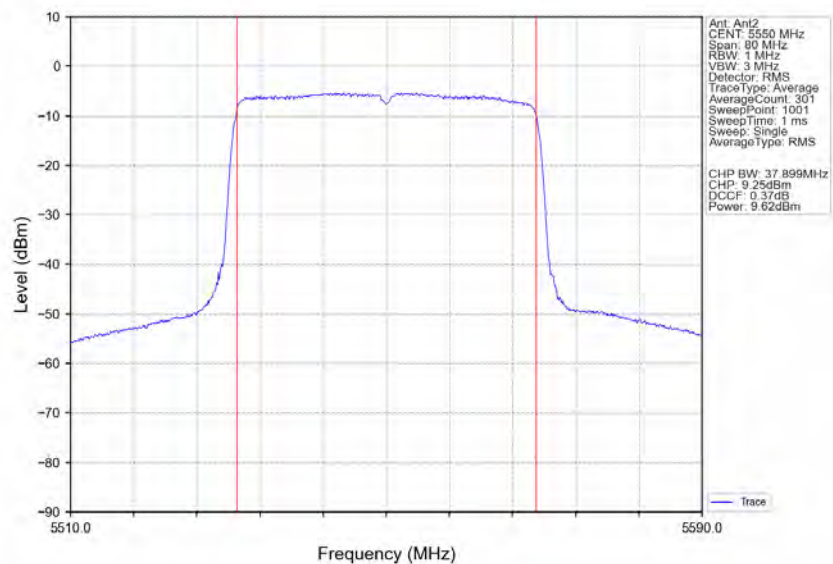
Report No.: KSCR240700123604

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802.11ax(HEW40) MCH\_5550MHz RU484 Left Ant1 NTNv



802.11ax(HEW40) MCH\_5550MHz RU484 Left Ant2 NTNv



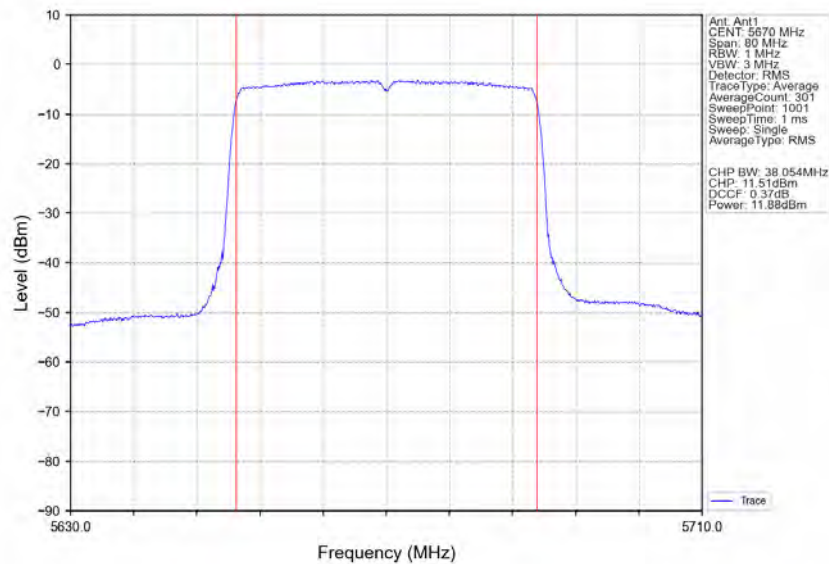
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

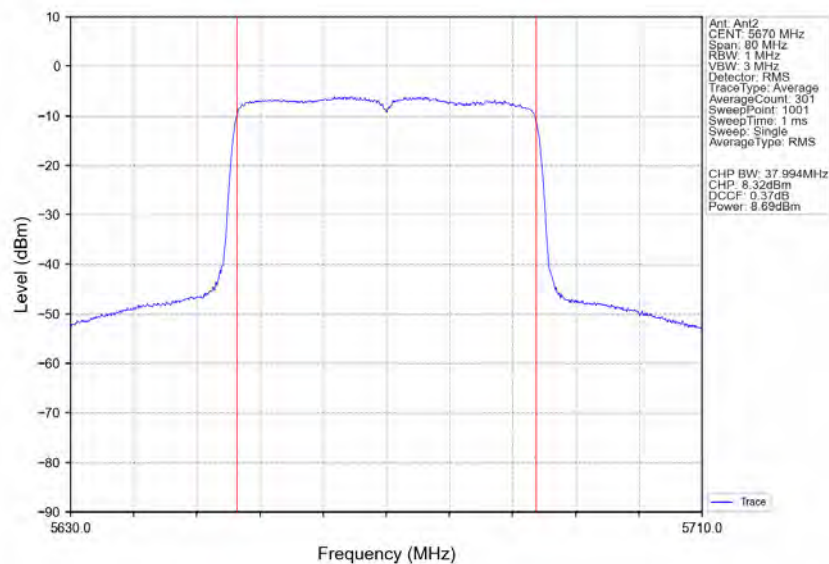
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802.11ax(HEW40) HCH 5670MHz RU484 Left Ant1 NTN



802.11ax(HEW40) HCH 5670MHz RU484 Left Ant2 NTN



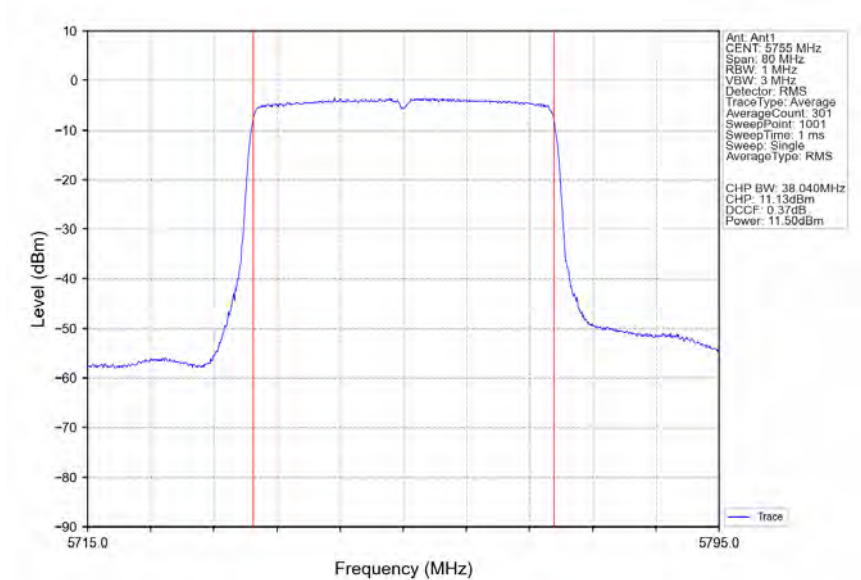
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

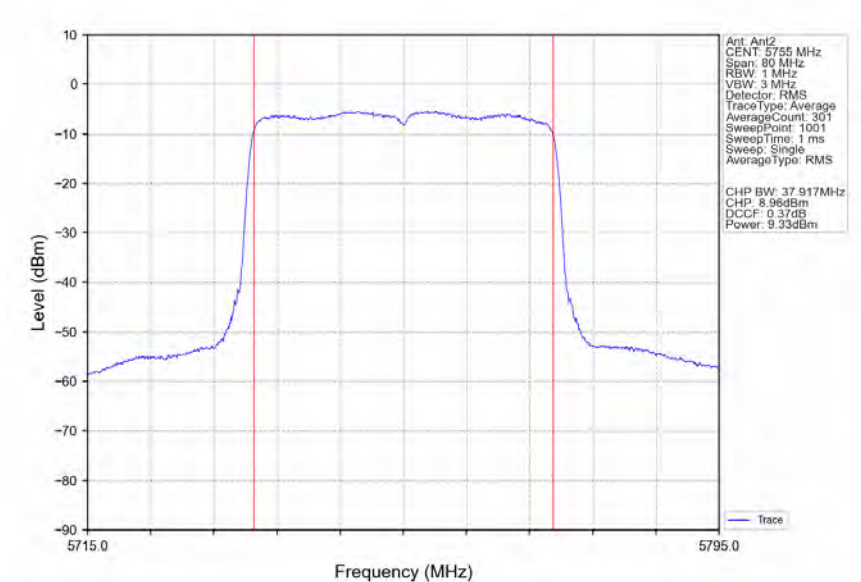
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802.11ax(HEW40) LCH 5755MHz RU484 Left Ant1 NTN



802.11ax(HEW40) LCH 5755MHz RU484 Left Ant2 NTN



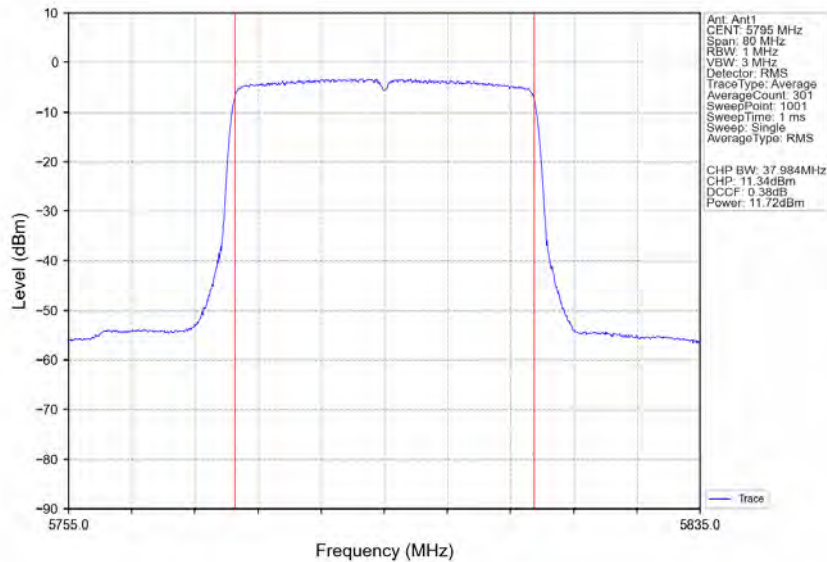
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

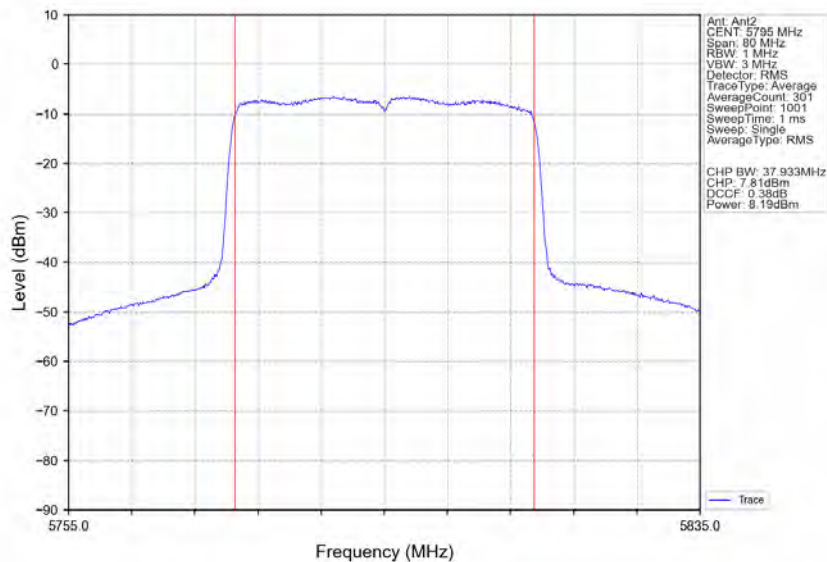
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802.11ax(HEW40) HCH 5795MHz RU484 Left Ant1 NTN



802.11ax(HEW40) HCH 5795MHz RU484 Left Ant2 NTN



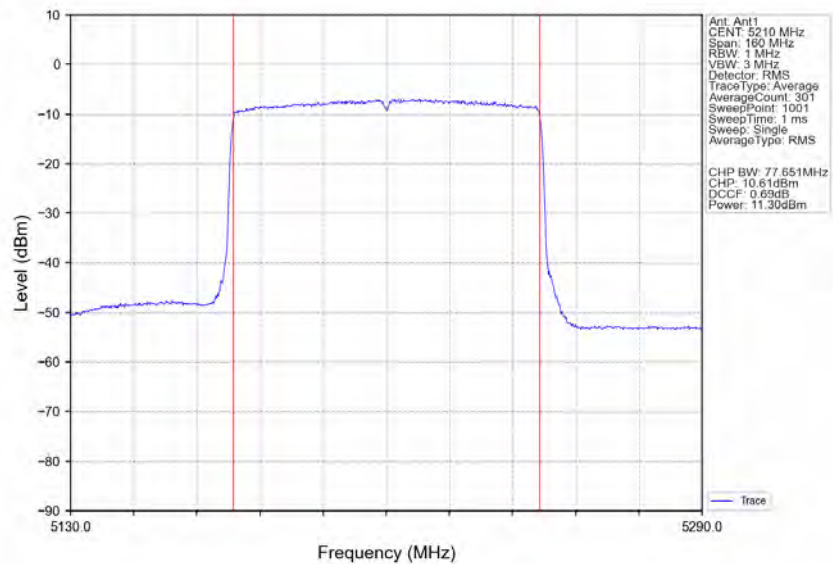
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

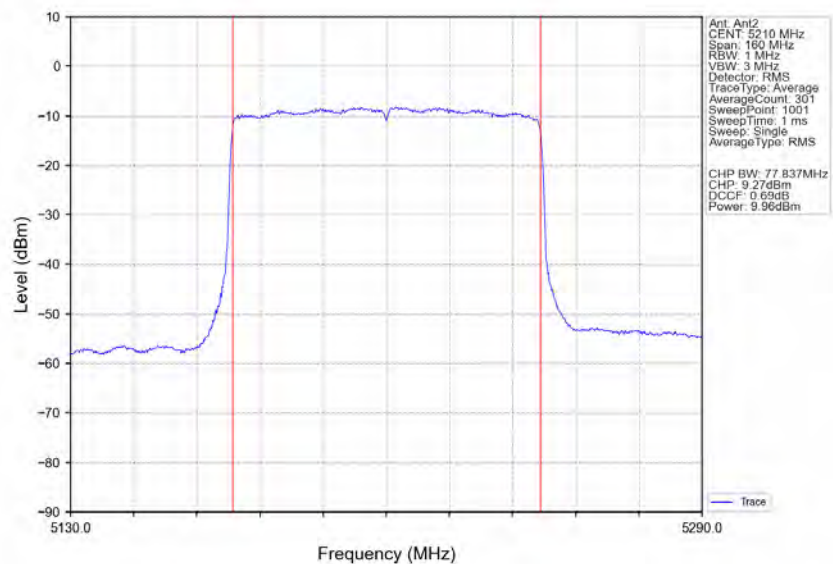
Report No.: KSCR240700123604

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802.11ax(HEW80) MCH 5210MHz RU996 Left Ant1 NTNv



802.11ax(HEW80) MCH 5210MHz RU996 Left Ant2 NTNv



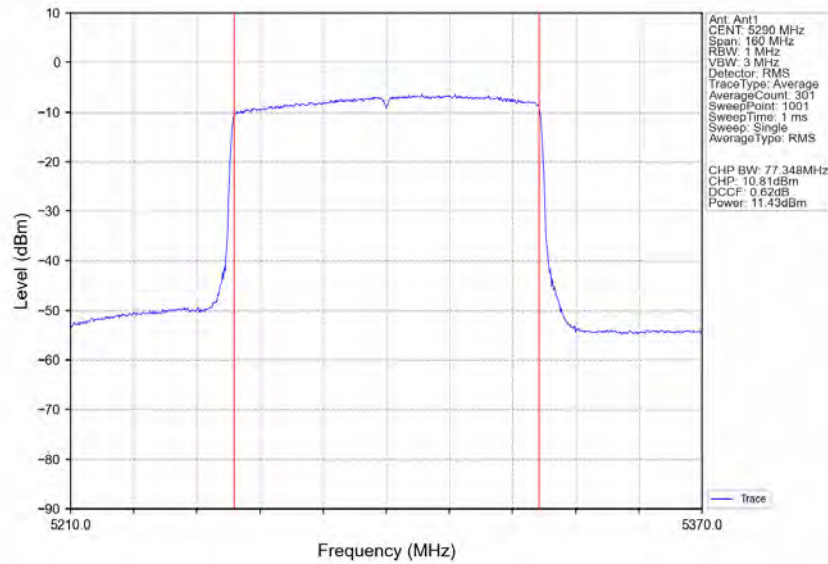
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

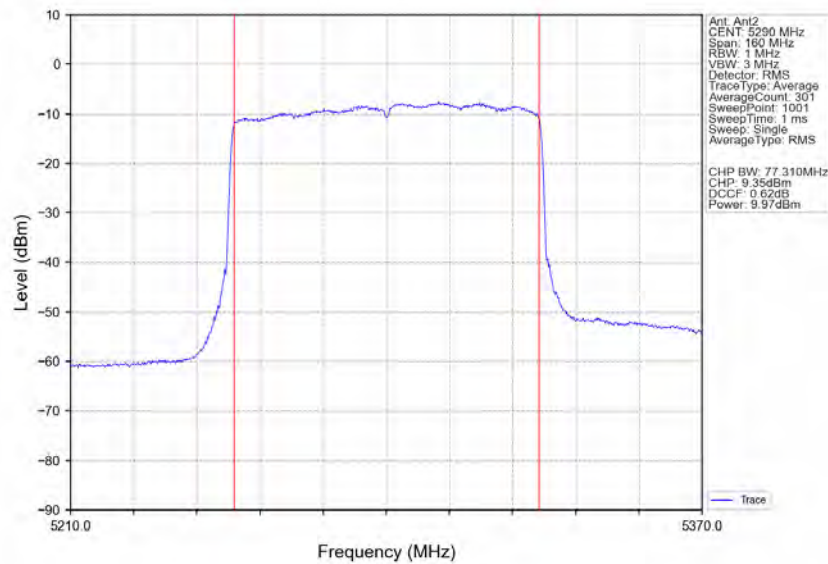
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802.11ax(HEW80) MCH 5290MHz RU996 Left Ant1 NTNv



802.11ax(HEW80) MCH 5290MHz RU996 Left Ant2 NTNv



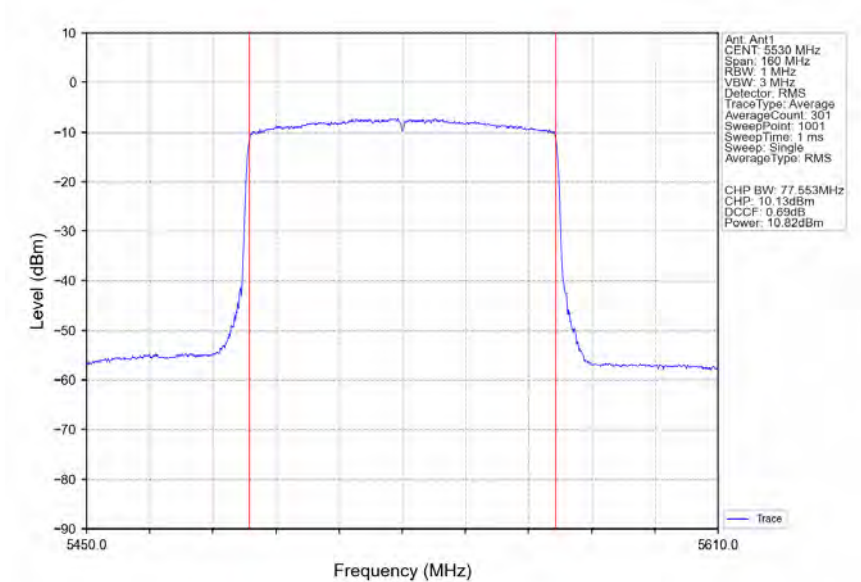
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

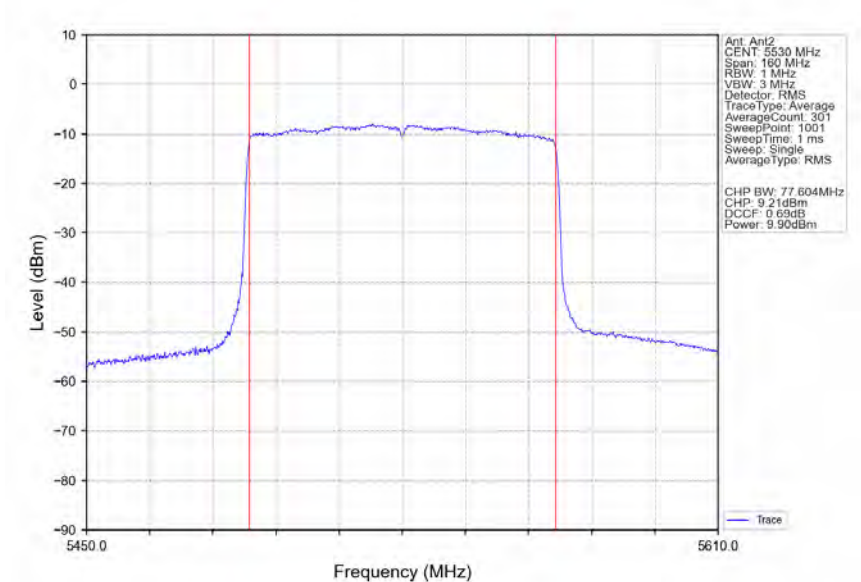
Report No.: KSCR240700123604

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802.11ax(HEW80) LCH 5530MHz RU996 Left Ant1 NTN



802.11ax(HEW80) LCH 5530MHz RU996 Left Ant2 NTN



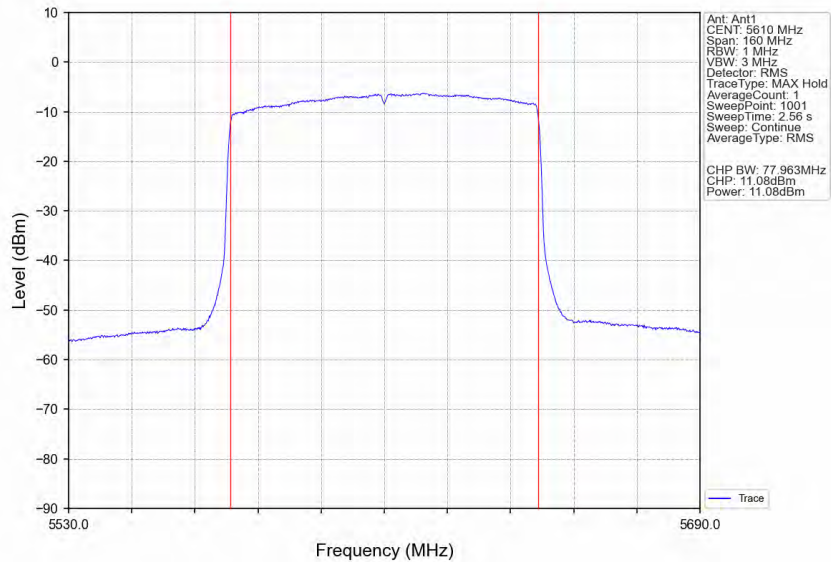
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

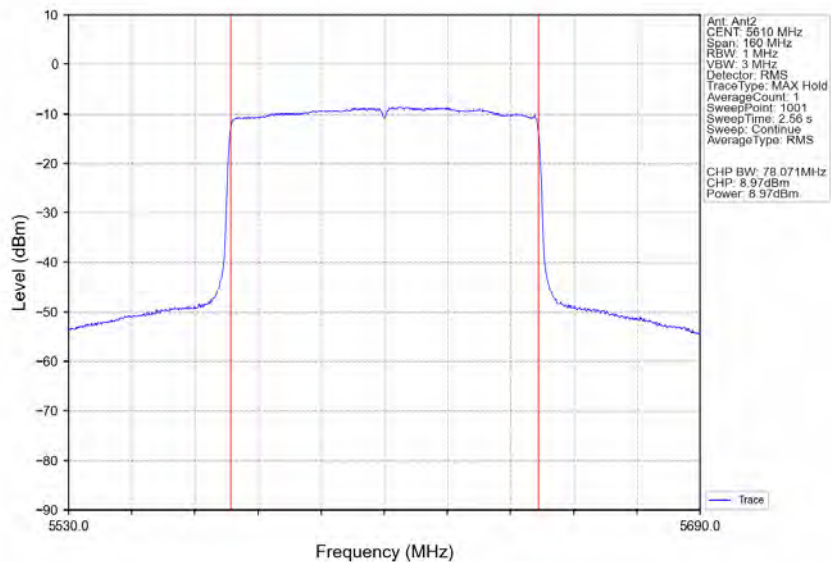
Report No.: KSCR240700123604

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802.11ax(HEW80) HCH 5610MHz RU996 Left Ant1 NTNV



802.11ax(HEW80) HCH 5610MHz RU996 Left Ant2 NTNV



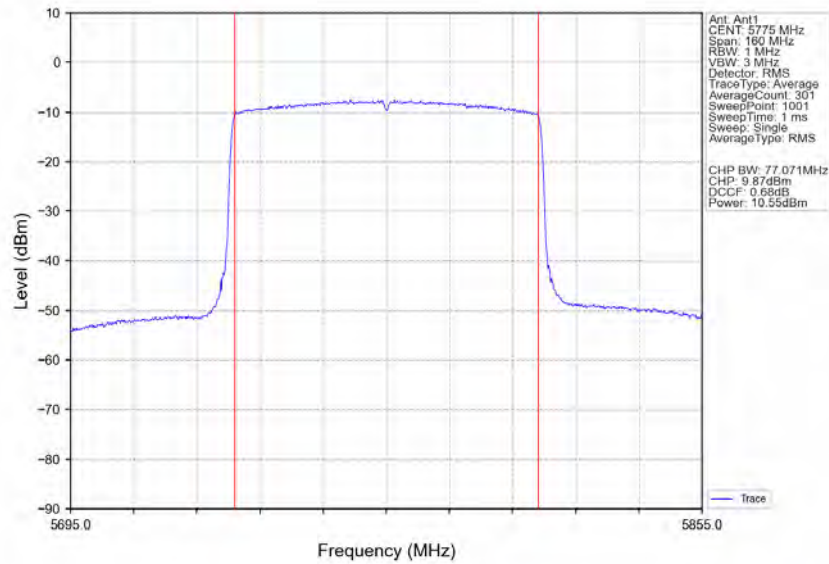
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CCSEM-TRF-001 Rev. 02 Sep 01, 2023

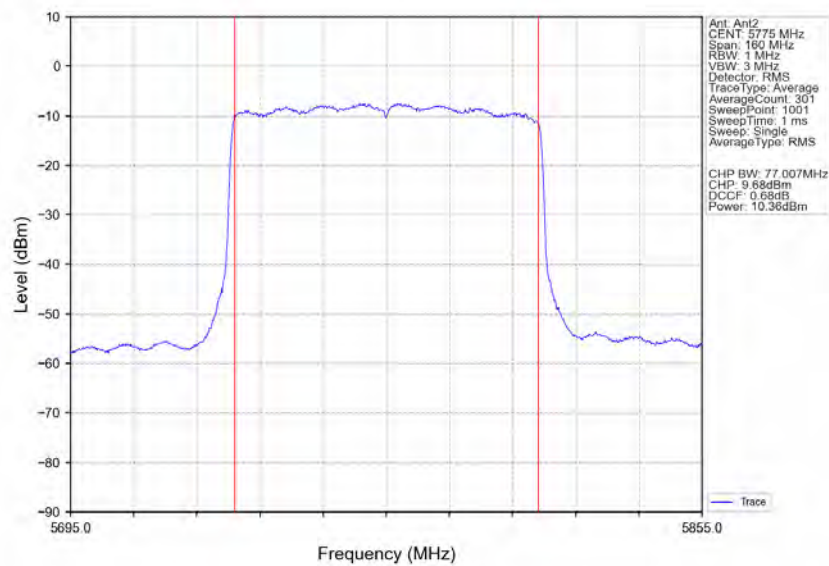
Report No.: KSCR240700123604

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802.11ax(HEW80) MCH\_5775MHz RU996 Left Ant1 NTNv



802.11ax(HEW80) MCH\_5775MHz RU996 Left Ant2 NTNv



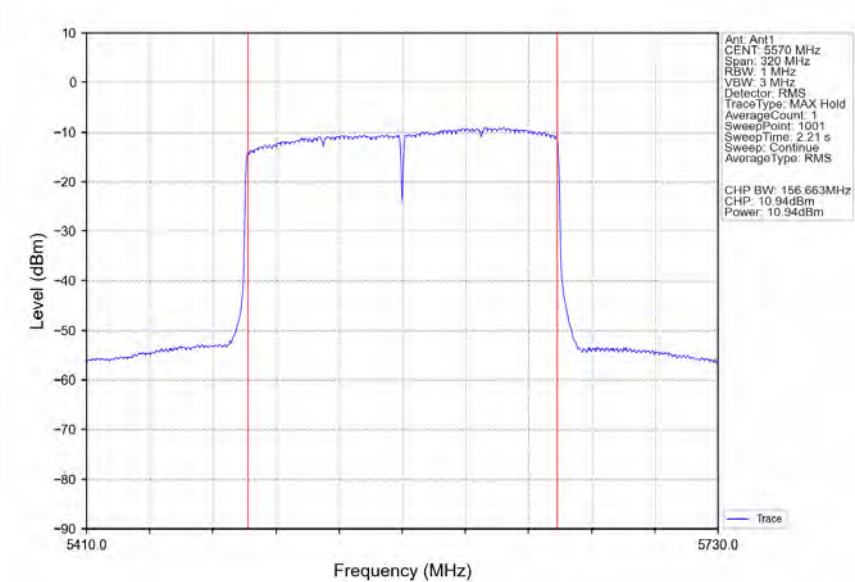
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

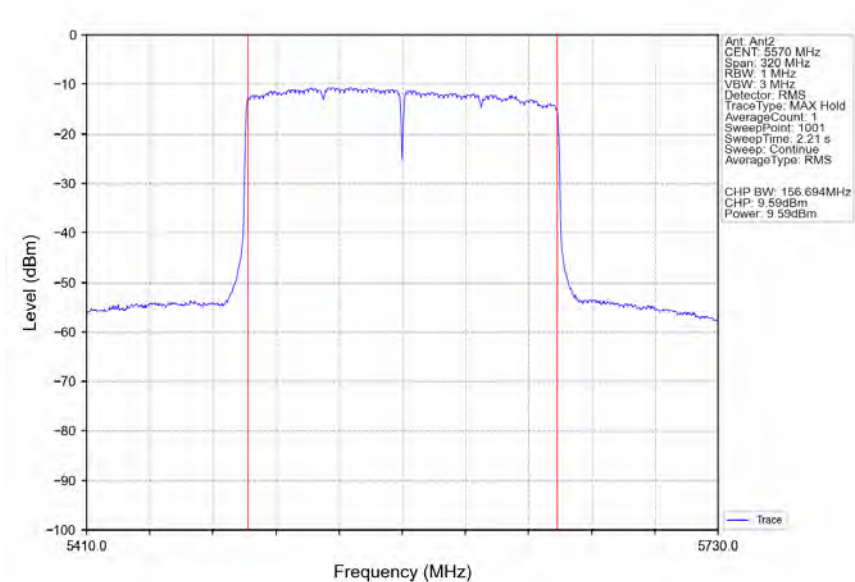
Report No.: KSCR240700123604

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802.11ax(HEW160) MCH 5570MHz 2xRU996 Left Ant1 NTVN



802.11ax(HEW160) MCH 5570MHz 2xRU996 Left Ant2 NTVN



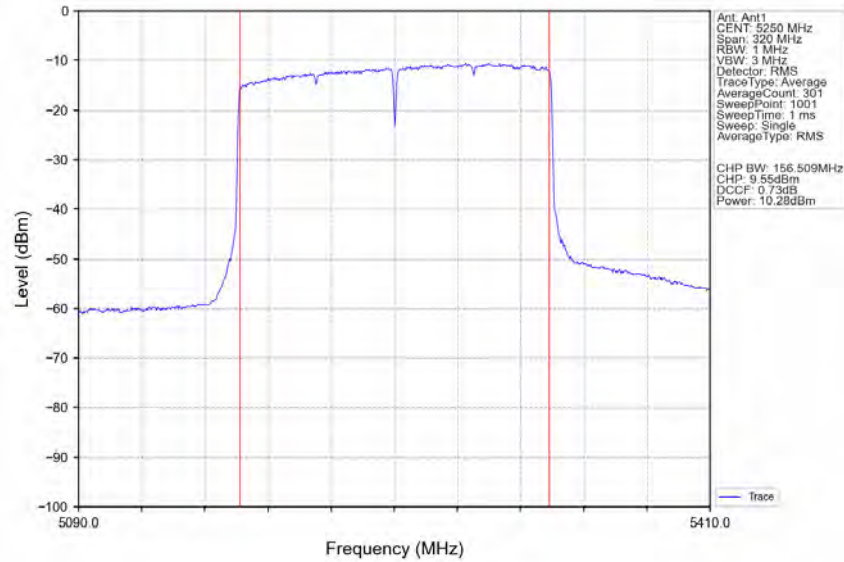
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

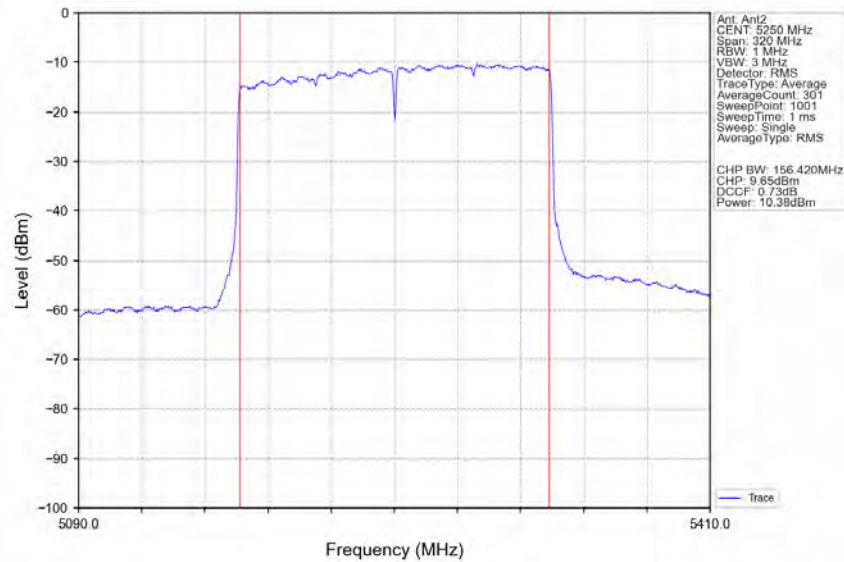
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802.11ax(HEW160) MCH 5250MHz 2xRU996 Left Ant1 NTVN



802.11ax(HEW160) MCH 5250MHz 2xRU996 Left Ant2 NTVN



## 4. Maximum Power Spectral Density

### 4.1 Test Result

#### 4.1.1 PSD

| Mode              | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum PSD (dBm/MHz) |       |       |       | Verdict |
|-------------------|---------|-----------------|-------|--------|-----------------------|-------|-------|-------|---------|
|                   |         |                 |       |        | ANT1                  | ANT2  | MIMO  | Limit |         |
| 802.11a           | SISO    | 5180            | /     | /      | 2.37                  | 2.04  | /     | <=11  | Pass    |
|                   |         | 5200            | /     | /      | 2.26                  | 2.50  | /     | <=11  | Pass    |
|                   |         | 5240            | /     | /      | 2.03                  | 2.00  | /     | <=11  | Pass    |
|                   |         | 5260            | /     | /      | 2.40                  | 1.85  | /     | <=11  | Pass    |
|                   |         | 5300            | /     | /      | 2.37                  | 2.14  | /     | <=11  | Pass    |
|                   |         | 5320            | /     | /      | 2.28                  | 2.15  | /     | <=11  | Pass    |
|                   |         | 5500            | /     | /      | 1.98                  | 2.20  | /     | <=11  | Pass    |
|                   |         | 5580            | /     | /      | 2.35                  | 2.13  | /     | <=11  | Pass    |
|                   |         | 5700            | /     | /      | 2.41                  | -0.11 | /     | <=11  | Pass    |
| 802.11ac (VHT20)  | MIMO    | 5180            | /     | /      | -2.17                 | 0.21  | 1.91  | <=11  | Pass    |
|                   |         | 5200            | /     | /      | -3.41                 | 0.48  | 1.72  | <=11  | Pass    |
|                   |         | 5240            | /     | /      | -1.79                 | -0.43 | 1.75  | <=11  | Pass    |
|                   |         | 5260            | /     | /      | -1.46                 | -0.69 | 1.76  | <=11  | Pass    |
|                   |         | 5300            | /     | /      | -0.98                 | 0.02  | 2.42  | <=11  | Pass    |
|                   |         | 5320            | /     | /      | -1.32                 | -0.92 | 1.67  | <=11  | Pass    |
|                   |         | 5500            | /     | /      | -0.77                 | -0.71 | 2.11  | <=11  | Pass    |
|                   |         | 5580            | /     | /      | -0.61                 | -1.36 | 1.92  | <=11  | Pass    |
|                   |         | 5700            | /     | /      | -0.41                 | -1.64 | 1.74  | <=11  | Pass    |
| 802.11ac (VHT40)  | MIMO    | 5190            | /     | /      | -4.96                 | -2.50 | -0.75 | <=11  | Pass    |
|                   |         | 5230            | /     | /      | -4.62                 | -3.28 | -1.03 | <=11  | Pass    |
|                   |         | 5270            | /     | /      | -4.08                 | -2.68 | -0.52 | <=11  | Pass    |
|                   |         | 5310            | /     | /      | -4.10                 | -3.36 | -0.96 | <=11  | Pass    |
|                   |         | 5510            | /     | /      | -3.40                 | -4.04 | -0.95 | <=11  | Pass    |
|                   |         | 5550            | /     | /      | -3.30                 | -3.92 | -0.72 | <=11  | Pass    |
|                   |         | 5670            | /     | /      | -3.19                 | -4.63 | -0.90 | <=11  | Pass    |
| 802.11ac (VHT80)  | MIMO    | 5210            | /     | /      | -7.54                 | -6.05 | -3.86 | <=11  | Pass    |
|                   |         | 5290            | /     | /      | -6.13                 | -5.46 | -3.01 | <=11  | Pass    |
|                   |         | 5530            | /     | /      | -6.15                 | -7.41 | -3.79 | <=11  | Pass    |
|                   |         | 5610            | /     | /      | -5.56                 | -8.96 | -4.04 | <=11  | Pass    |
| 802.11ac (VHT160) | MIMO    | 5570            | /     | /      | -9.19                 | -9.52 | -6.52 | <=11  | Pass    |
|                   |         | 5250            | /     | /      | -10.26                | -9.65 | -7.03 | <=11  | Pass    |
| 802.11ax (HEW20)  | MIMO    | 5180            | RU242 | Left   | -0.60                 | -1.03 | 2.07  | <=11  | Pass    |
|                   |         | 5200            | RU242 | Left   | -0.36                 | -1.47 | 1.92  | <=11  | Pass    |
|                   |         | 5240            | RU242 | Left   | -0.07                 | -2.32 | 1.89  | <=11  | Pass    |
|                   |         | 5260            | RU242 | Left   | 0.17                  | -2.34 | 1.94  | <=11  | Pass    |
|                   |         | 5300            | RU242 | Left   | -0.31                 | -1.83 | 1.83  | <=11  | Pass    |
|                   |         | 5320            | RU242 | Left   | -0.08                 | -1.49 | 2.11  | <=11  | Pass    |
|                   |         | 5500            | RU242 | Left   | -1.40                 | -0.87 | 1.83  | <=11  | Pass    |
|                   |         | 5580            | RU242 | Left   | -0.38                 | -2.05 | 1.69  | <=11  | Pass    |
|                   |         | 5700            | RU242 | Left   | -1.08                 | -0.89 | 1.80  | <=11  | Pass    |
| 802.11ax          | MIMO    | 5190            | RU484 | Left   | -4.70                 | -4.28 | -1.64 | <=11  | Pass    |



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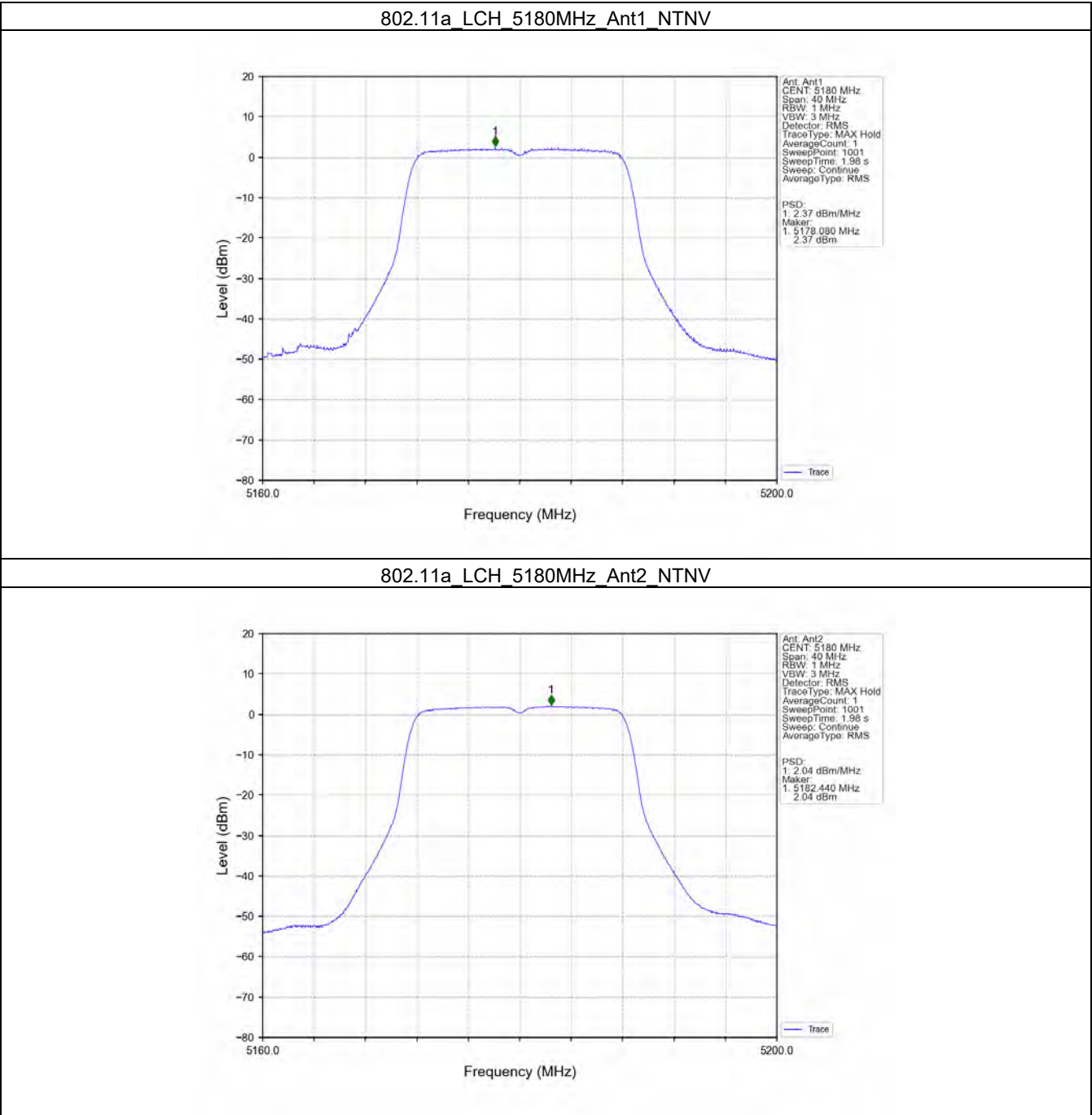
### 4.1.3 E.I.R.PSD

| Mode              | TX Type | Frequency (MHz) | RU      | RU Pos | Maximum E.I.R.PSD (dBm/MHz) |       |       |       | Verdict |
|-------------------|---------|-----------------|---------|--------|-----------------------------|-------|-------|-------|---------|
|                   |         |                 |         |        | ANT1                        | ANT2  | MIMO  | Limit |         |
| 802.11a           | SISO    | 5180            | /       | /      | 5.67                        | 5.34  | /     | <=10  | Pass    |
|                   |         | 5200            | /       | /      | 5.56                        | 5.80  | /     | <=10  | Pass    |
|                   |         | 5240            | /       | /      | 5.33                        | 5.30  | /     | <=10  | Pass    |
| 802.11ac (VHT20)  | MIMO    | 5180            | /       | /      | 1.13                        | 3.51  | 5.49  | <=10  | Pass    |
|                   |         | 5200            | /       | /      | -0.11                       | 3.78  | 5.27  | <=10  | Pass    |
|                   |         | 5240            | /       | /      | 1.51                        | 2.87  | 5.25  | <=10  | Pass    |
| 802.11ac (VHT40)  | MIMO    | 5190            | /       | /      | -1.66                       | 0.80  | 2.75  | <=10  | Pass    |
|                   |         | 5230            | /       | /      | -1.32                       | 0.02  | 2.41  | <=10  | Pass    |
| 802.11ac (VHT80)  | MIMO    | 5210            | /       | /      | -4.24                       | -2.75 | -0.42 | <=10  | Pass    |
| 802.11ac (VHT160) | MIMO    | 5250            | /       | /      | -10.26                      | -9.65 | -6.93 | <=10  | Pass    |
| 802.11ax (HEW20)  | MIMO    | 5180            | RU242   | Left   | 2.70                        | 2.27  | 5.50  | <=10  | Pass    |
|                   |         | 5200            | RU242   | Left   | 2.94                        | 1.83  | 5.43  | <=10  | Pass    |
|                   |         | 5240            | RU242   | Left   | 3.23                        | 0.98  | 5.26  | <=10  | Pass    |
| 802.11ax (HEW40)  | MIMO    | 5190            | RU484   | Left   | -1.40                       | -0.98 | 1.83  | <=10  | Pass    |
|                   |         | 5230            | RU484   | Left   | 0.58                        | -1.81 | 2.56  | <=10  | Pass    |
| 802.11ax (HEW80)  | MIMO    | 5210            | RU996   | Left   | -3.90                       | -3.54 | -0.71 | <=10  | Pass    |
| 802.11ax (HEW160) | MIMO    | 5250            | 2xRU996 | Left   | -9.82                       | -9.48 | -6.64 | <=10  | Pass    |

Note1: Antenna Gain: Ant1: 3.30dBi; Ant2: 3.30dBi;  
Note2: E.I.R.PSD = Measured PSD + Antenna Gain  
Note3: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

### 4.2 Test Graph

#### 4.2.1 PSD



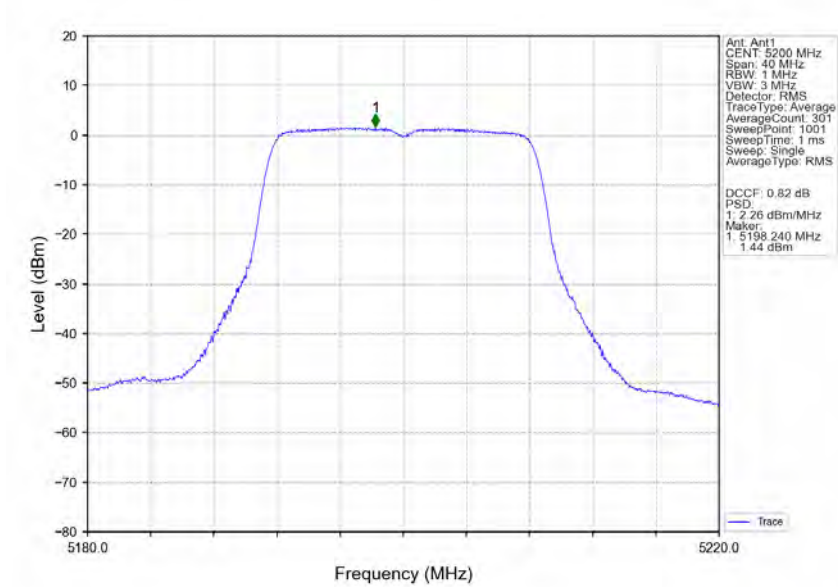
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

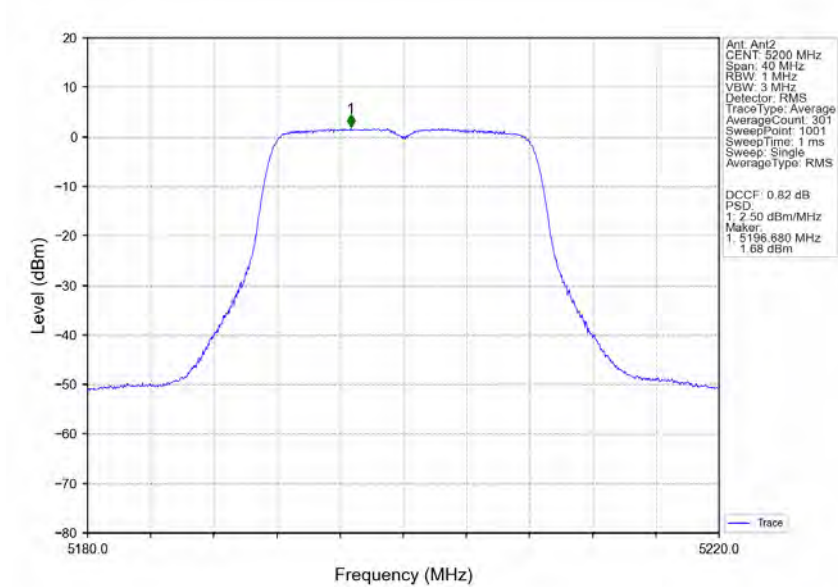
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802.11a MCH 5200MHz Ant1 NTV



802.11a MCH 5200MHz Ant2 NTV



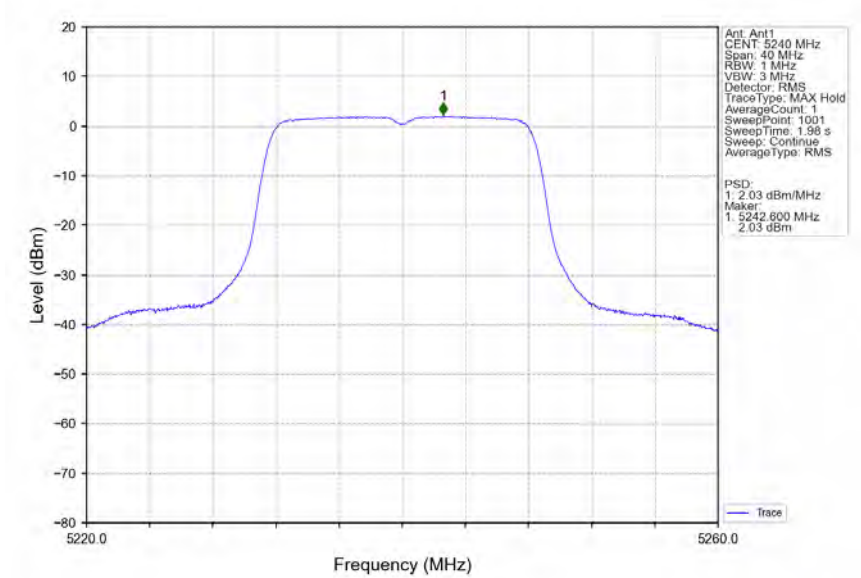
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

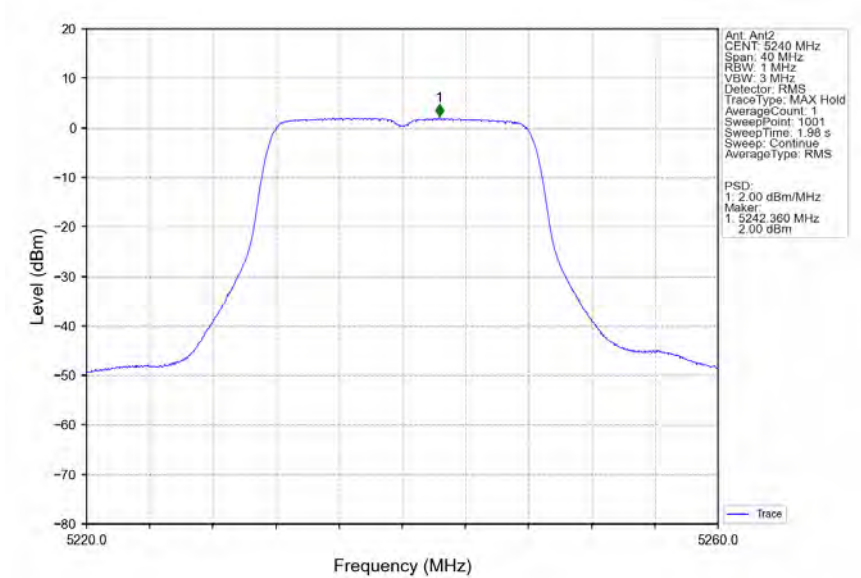
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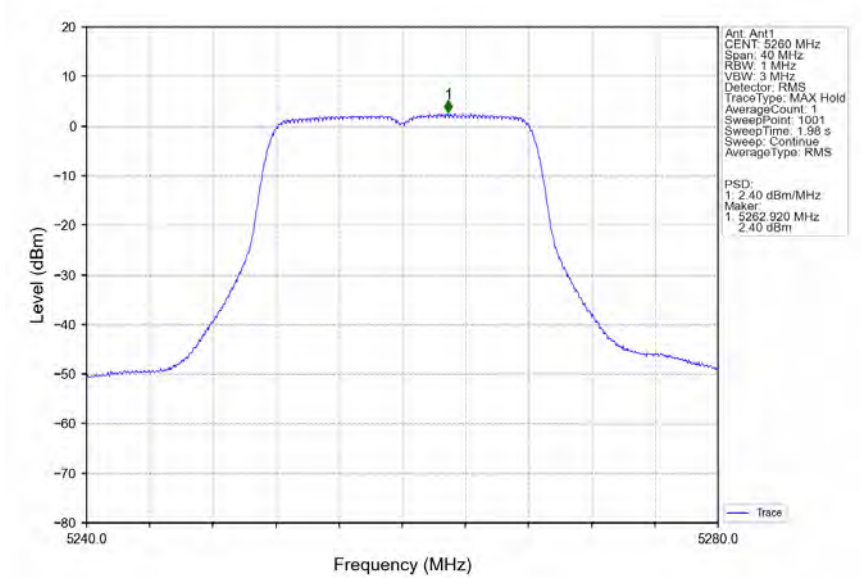
802.11a HCH 5240MHz Ant1 NTN



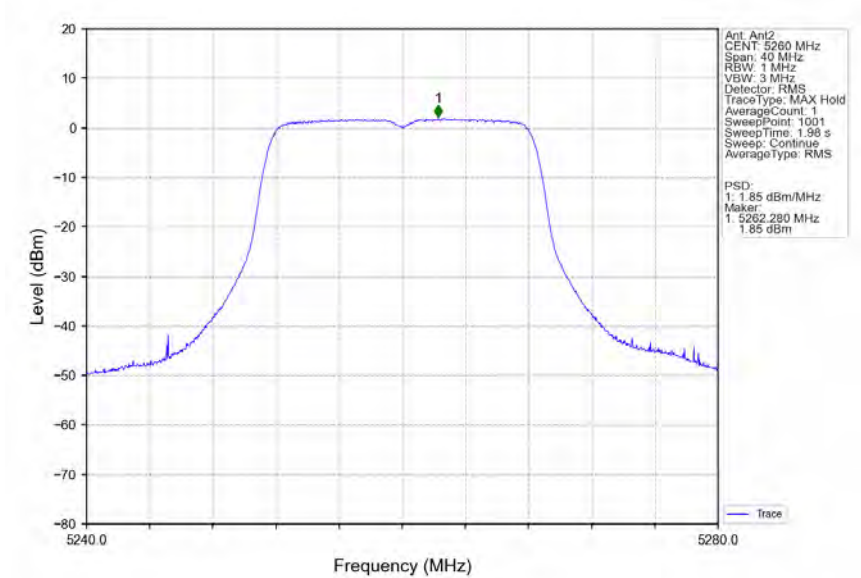
802.11a HCH 5240MHz Ant2 NTN



802.11a LCH 5260MHz Ant1 NTN



802.11a LCH 5260MHz Ant2 NTN



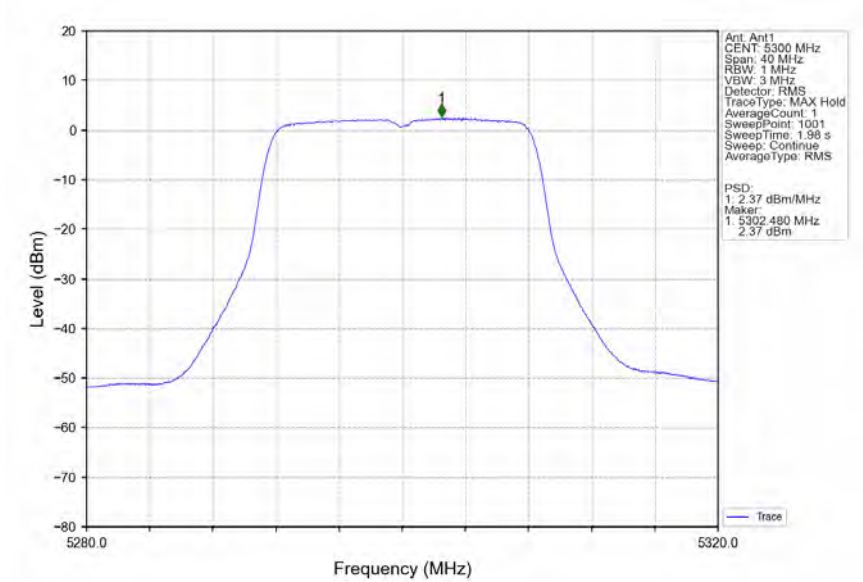
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

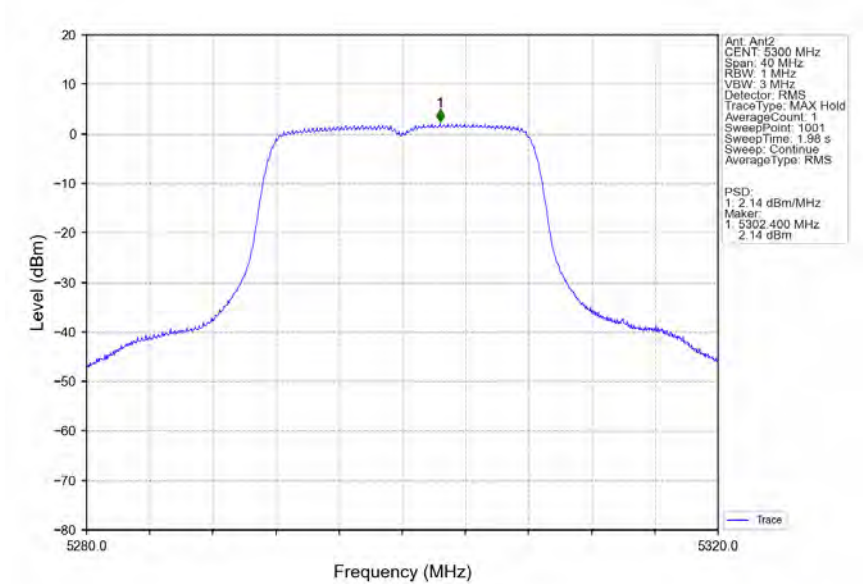
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802.11a MCH\_5300MHz\_Ant1\_NTNV



802.11a MCH\_5300MHz\_Ant2\_NTNV



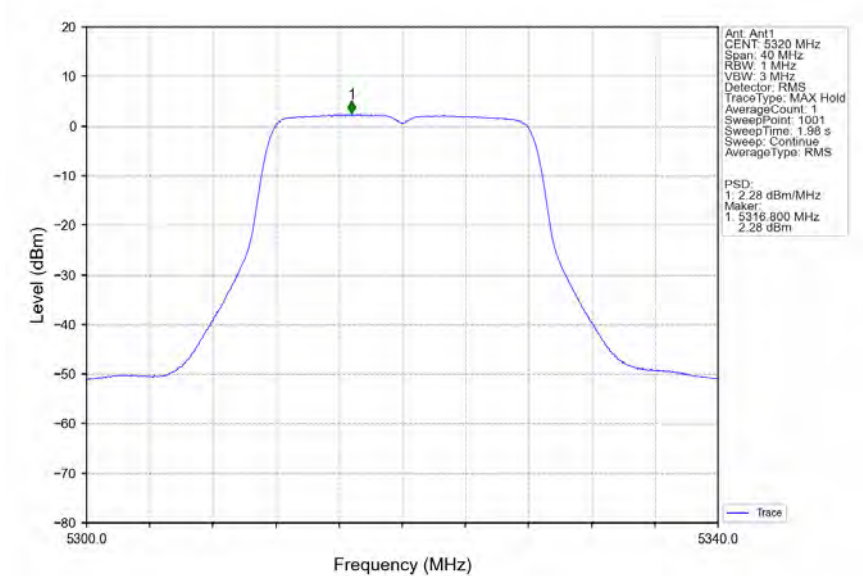
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

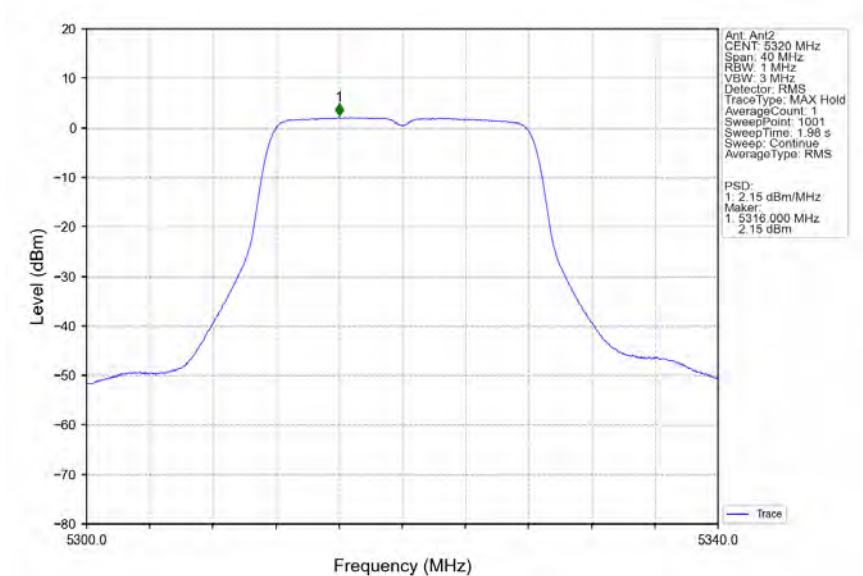
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802.11a HCH 5320MHz Ant1 NTN



802.11a HCH 5320MHz Ant2 NTN



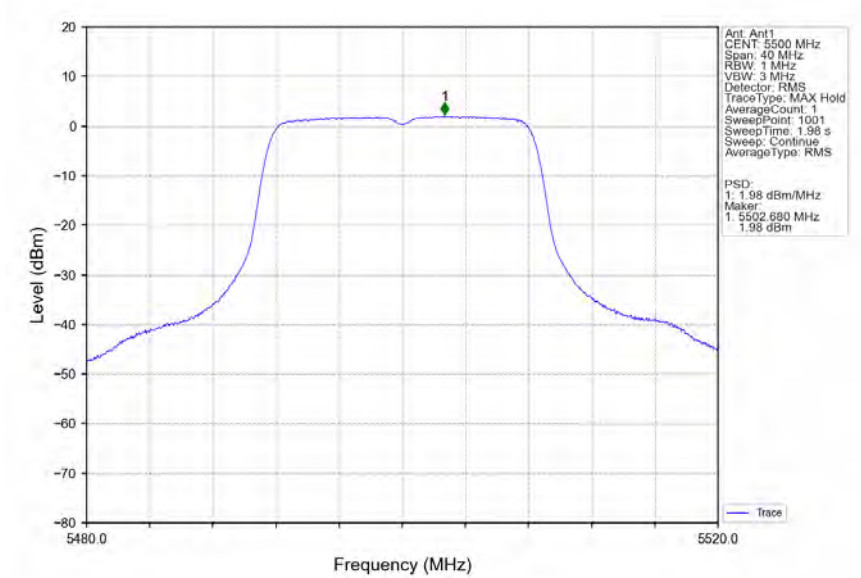
## Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

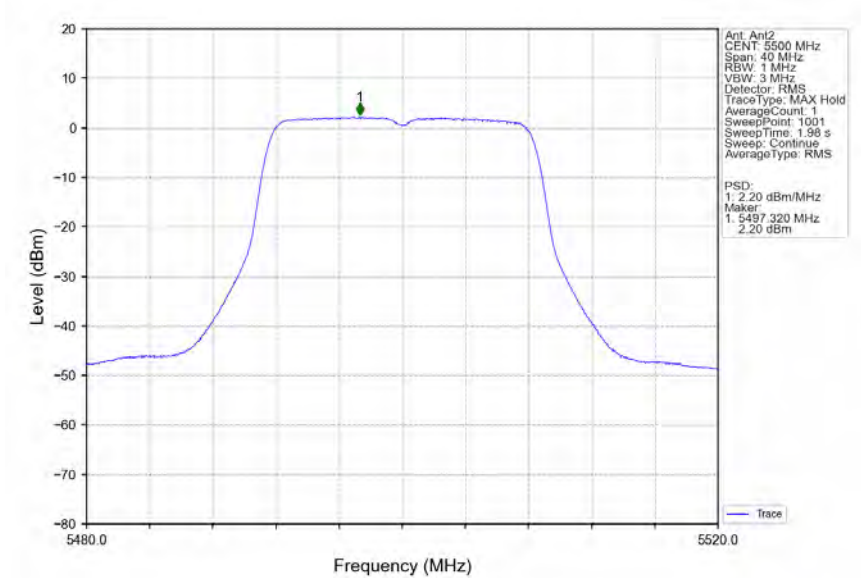
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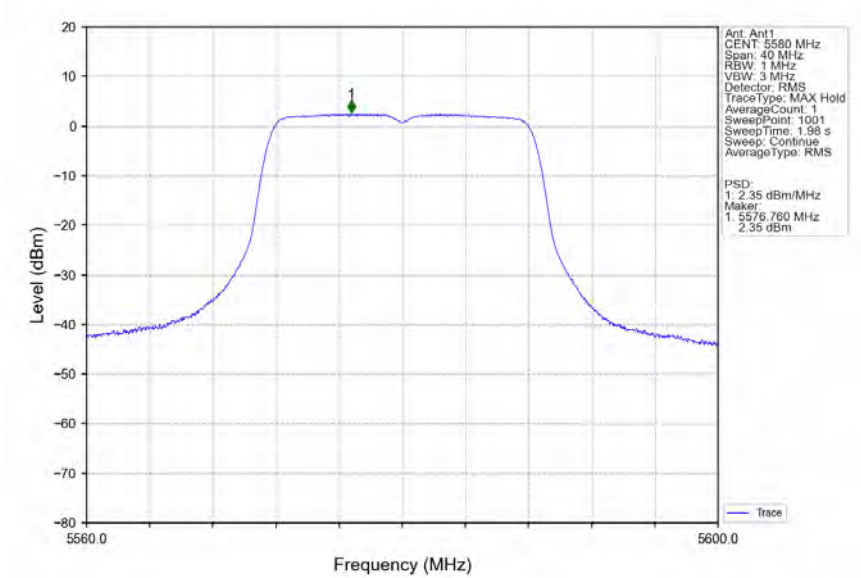
802.11a LCH 5500MHz Ant1 NTN



802.11a LCH 5500MHz Ant2 NTN



802.11a MCH\_5580MHz\_Ant1\_NTNV



802.11a MCH\_5580MHz\_Ant2\_NTNV

