

LTE B48

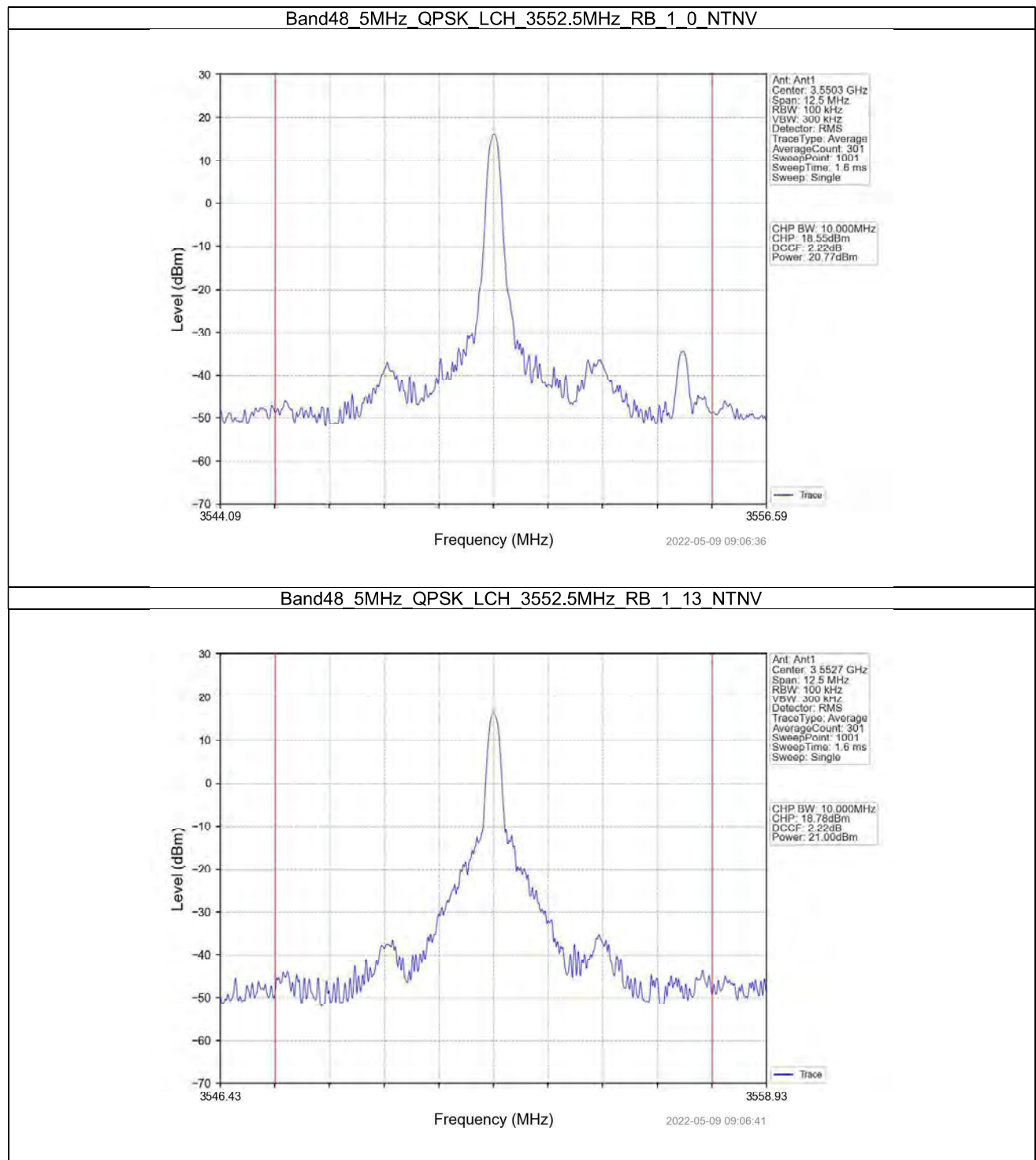
## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 B48 5MHz EIRP

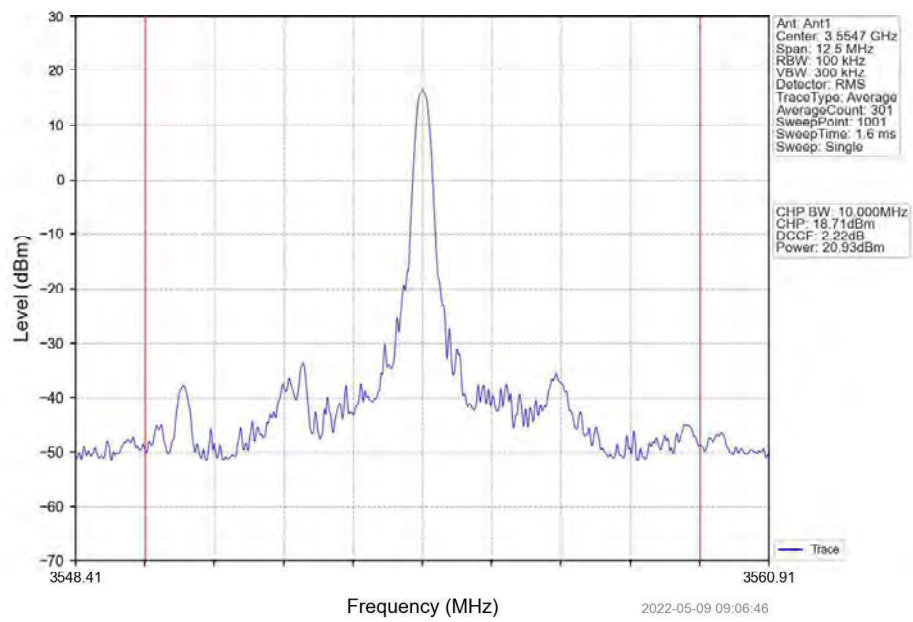
### 1.1.1 Test Result

| Band: 48 / Bandwidth: 5MHz / NTNV |                                          |               |        |                             |            |                  |       |         |      |      |
|-----------------------------------|------------------------------------------|---------------|--------|-----------------------------|------------|------------------|-------|---------|------|------|
| Modulation                        | Frequency (MHz)                          | RB Allocation |        | Conducted Power (dBm/10MHz) | Gain (dbi) | EIRP (dBm/10MHz) |       | Verdict |      |      |
|                                   |                                          | Size          | Offset |                             |            | Result           | Limit |         |      |      |
| QPSK                              | 3552.5                                   | 1             | 0      | 20.77                       | -0.13      | 20.64            | <=23  | Pass    |      |      |
|                                   |                                          |               | 13     | 21.00                       | -0.13      | 20.87            | <=23  | Pass    |      |      |
|                                   |                                          |               | 24     | 20.93                       | -0.13      | 20.80            | <=23  | Pass    |      |      |
|                                   |                                          | 12            | 0      | 20.31                       | -0.13      | 20.18            | <=23  | Pass    |      |      |
|                                   |                                          |               | 6      | 19.88                       | -0.13      | 19.75            | <=23  | Pass    |      |      |
|                                   |                                          |               | 13     | 20.23                       | -0.13      | 20.10            | <=23  | Pass    |      |      |
|                                   |                                          | 25            | 0      | 19.98                       | -0.13      | 19.85            | <=23  | Pass    |      |      |
|                                   |                                          | 3625          | 1      | 0                           | 21.27      | -0.13            | 21.14 | <=23    | Pass |      |
|                                   |                                          |               |        | 13                          | 21.06      | -0.13            | 20.93 | <=23    | Pass |      |
|                                   | 24                                       |               |        | 21.41                       | -0.13      | 21.28            | <=23  | Pass    |      |      |
|                                   | 12                                       |               | 0      | 19.65                       | -0.13      | 19.52            | <=23  | Pass    |      |      |
|                                   |                                          |               | 6      | 19.80                       | -0.13      | 19.67            | <=23  | Pass    |      |      |
|                                   |                                          |               | 13     | 21.07                       | -0.13      | 20.94            | <=23  | Pass    |      |      |
|                                   | 25                                       | 0             | 19.70  | -0.13                       | 19.57      | <=23             | Pass  |         |      |      |
|                                   | 3697.5                                   | 1             | 0      | 22.47                       | -0.13      | 22.34            | <=23  | Pass    |      |      |
|                                   |                                          |               | 13     | 21.74                       | -0.13      | 21.61            | <=23  | Pass    |      |      |
|                                   |                                          |               | 24     | 21.60                       | -0.13      | 21.47            | <=23  | Pass    |      |      |
|                                   |                                          | 12            | 0      | 20.78                       | -0.13      | 20.65            | <=23  | Pass    |      |      |
|                                   |                                          |               | 6      | 21.35                       | -0.13      | 21.22            | <=23  | Pass    |      |      |
|                                   |                                          |               | 13     | 20.44                       | -0.13      | 20.31            | <=23  | Pass    |      |      |
|                                   |                                          | 25            | 0      | 21.54                       | -0.13      | 21.41            | <=23  | Pass    |      |      |
|                                   |                                          | 16QAM         | 3552.5 | 1                           | 0          | 20.01            | -0.13 | 19.88   | <=23 | Pass |
|                                   |                                          |               |        |                             | 13         | 19.83            | -0.13 | 19.70   | <=23 | Pass |
|                                   | 24                                       |               |        |                             | 19.89      | -0.13            | 19.76 | <=23    | Pass |      |
| 12                                | 0                                        |               |        | 18.82                       | -0.13      | 18.69            | <=23  | Pass    |      |      |
|                                   | 6                                        |               |        | 18.98                       | -0.13      | 18.85            | <=23  | Pass    |      |      |
|                                   | 13                                       |               |        | 19.06                       | -0.13      | 18.93            | <=23  | Pass    |      |      |
| 25                                | 0                                        |               |        | 19.03                       | -0.13      | 18.90            | <=23  | Pass    |      |      |
| 3625                              | 1                                        |               |        | 0                           | 20.40      | -0.13            | 20.27 | <=23    | Pass |      |
|                                   |                                          |               |        | 13                          | 20.41      | -0.13            | 20.28 | <=23    | Pass |      |
|                                   |                                          |               | 24     | 19.44                       | -0.13      | 19.31            | <=23  | Pass    |      |      |
|                                   | 12                                       |               | 0      | 18.71                       | -0.13      | 18.58            | <=23  | Pass    |      |      |
|                                   |                                          |               | 6      | 19.47                       | -0.13      | 19.34            | <=23  | Pass    |      |      |
|                                   |                                          |               | 13     | 19.41                       | -0.13      | 19.28            | <=23  | Pass    |      |      |
| 25                                | 0                                        |               | 18.47  | -0.13                       | 18.34      | <=23             | Pass  |         |      |      |
| 3697.5                            | 1                                        |               | 0      | 20.58                       | -0.13      | 20.45            | <=23  | Pass    |      |      |
|                                   |                                          |               | 13     | 20.82                       | -0.13      | 20.69            | <=23  | Pass    |      |      |
|                                   |                                          |               | 24     | 19.85                       | -0.13      | 19.72            | <=23  | Pass    |      |      |
|                                   | 12                                       |               | 0      | 19.89                       | -0.13      | 19.76            | <=23  | Pass    |      |      |
|                                   |                                          |               | 6      | 19.74                       | -0.13      | 19.61            | <=23  | Pass    |      |      |
|                                   |                                          |               | 13     | 20.02                       | -0.13      | 19.89            | <=23  | Pass    |      |      |
|                                   | 25                                       |               | 0      | 19.85                       | -0.13      | 19.72            | <=23  | Pass    |      |      |
|                                   | Note1: EIRP=Conducted Power+Antenna Gain |               |        |                             |            |                  |       |         |      |      |

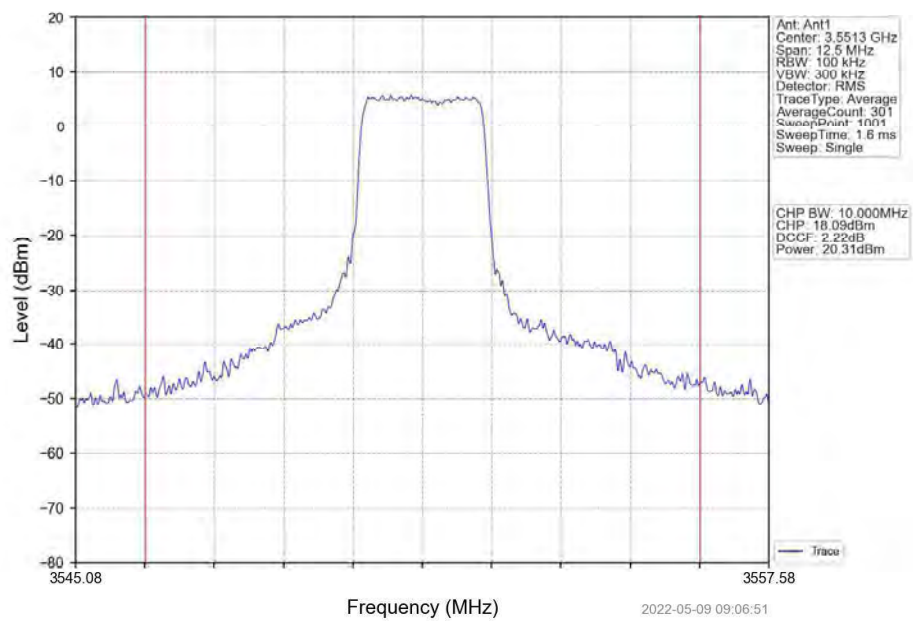
## 1.1.2 Test Graph



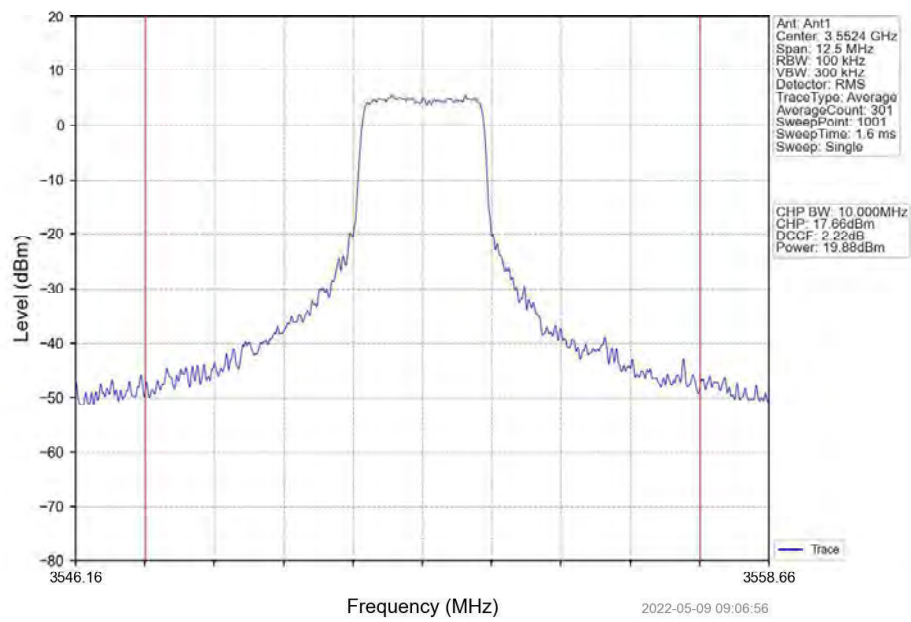
Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_1\_24\_NTNV



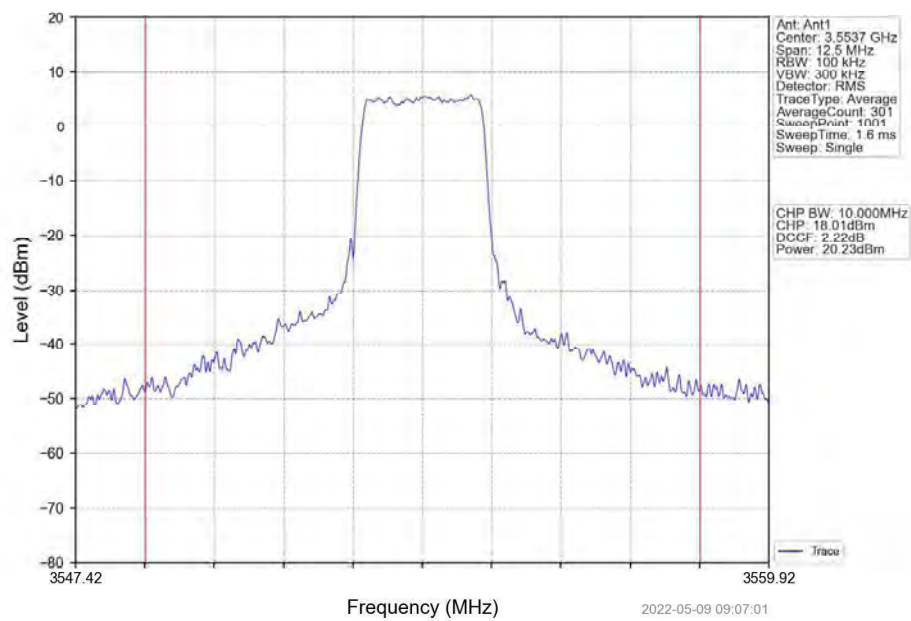
Band48\_5MHz\_QPSK\_LCH\_3552.5MHz\_RB\_12\_0\_NTNV



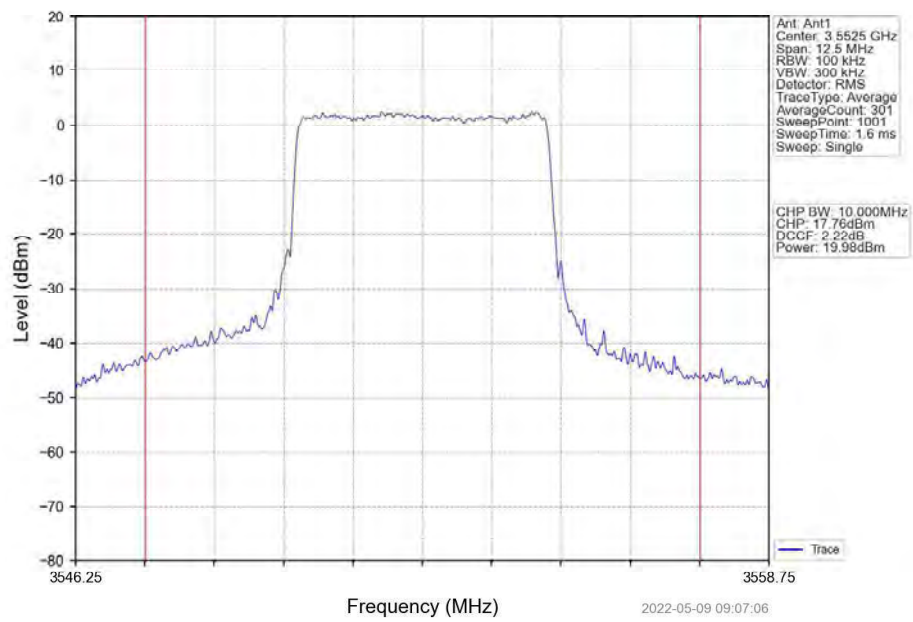
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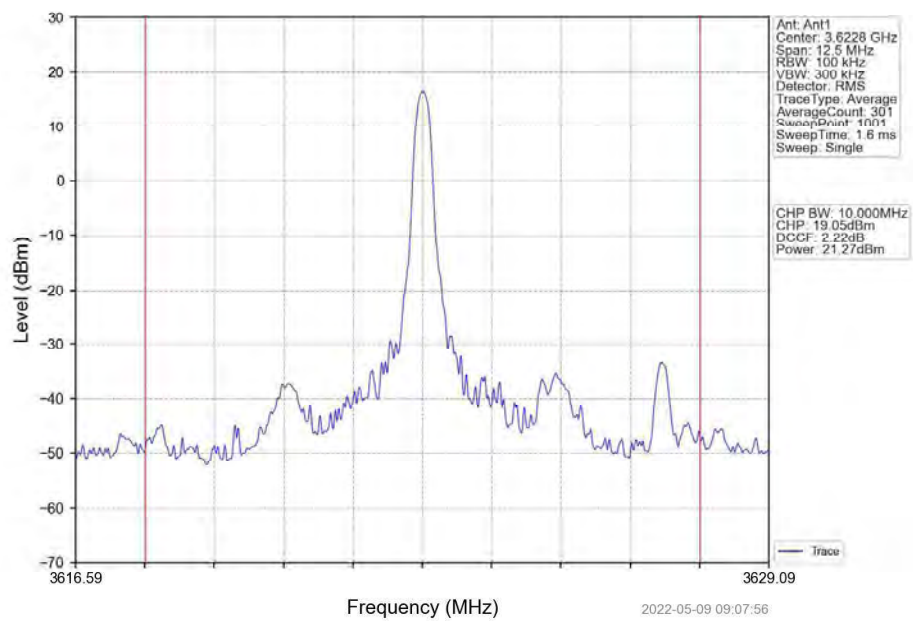
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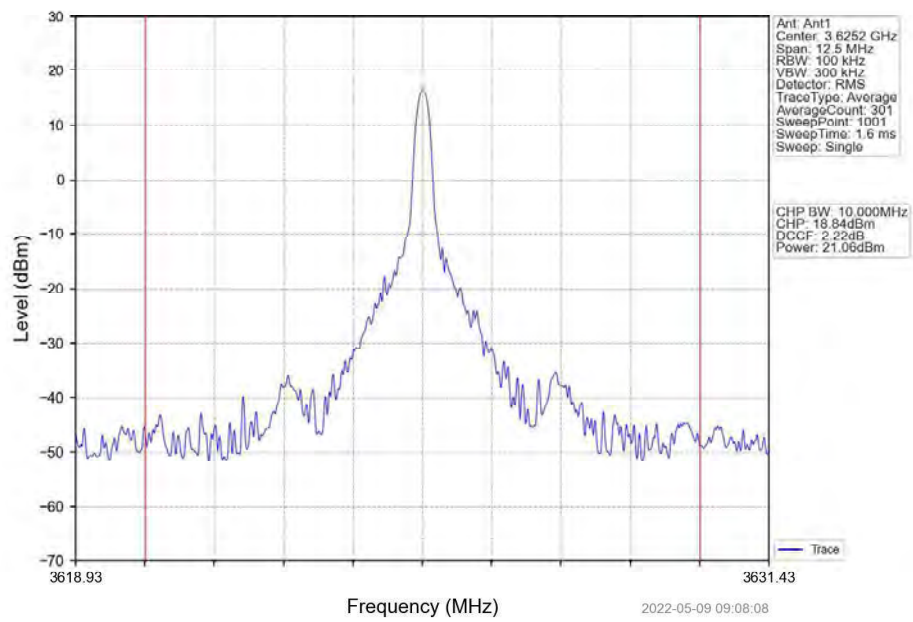
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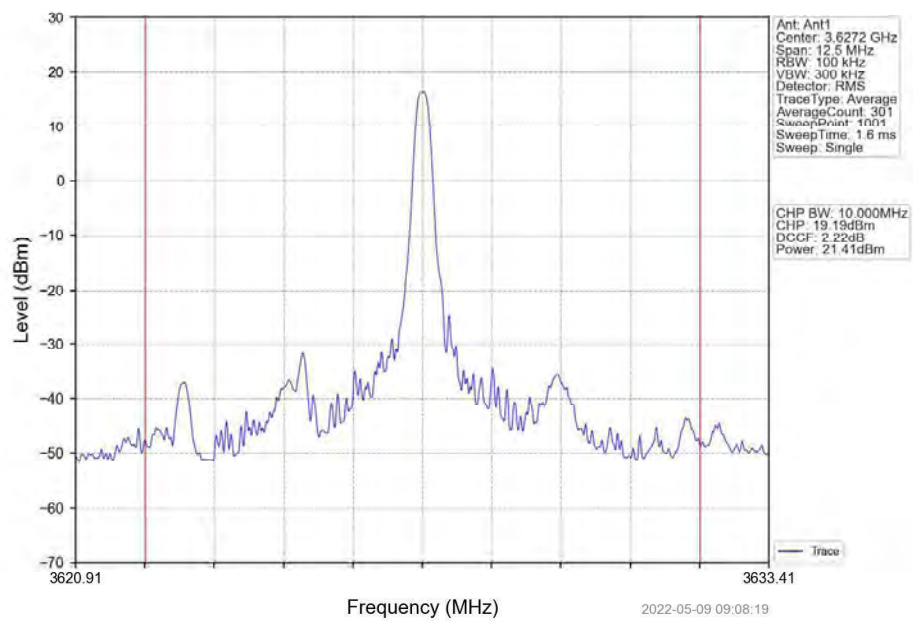
Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



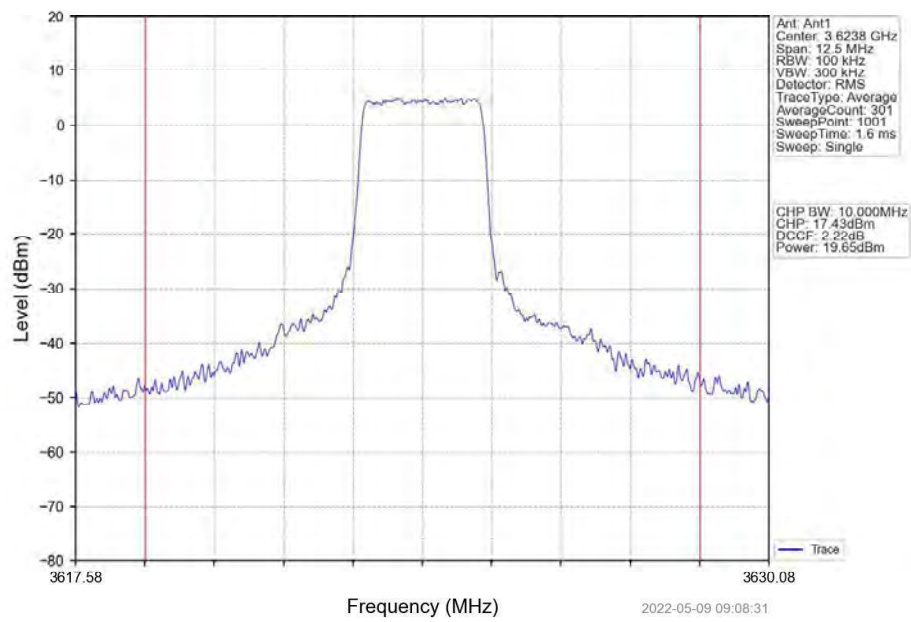
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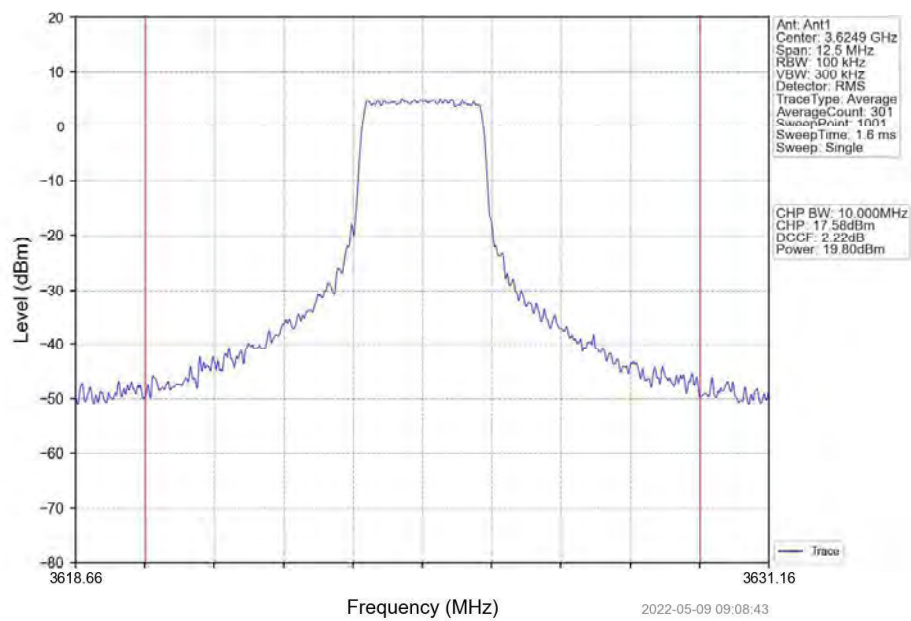
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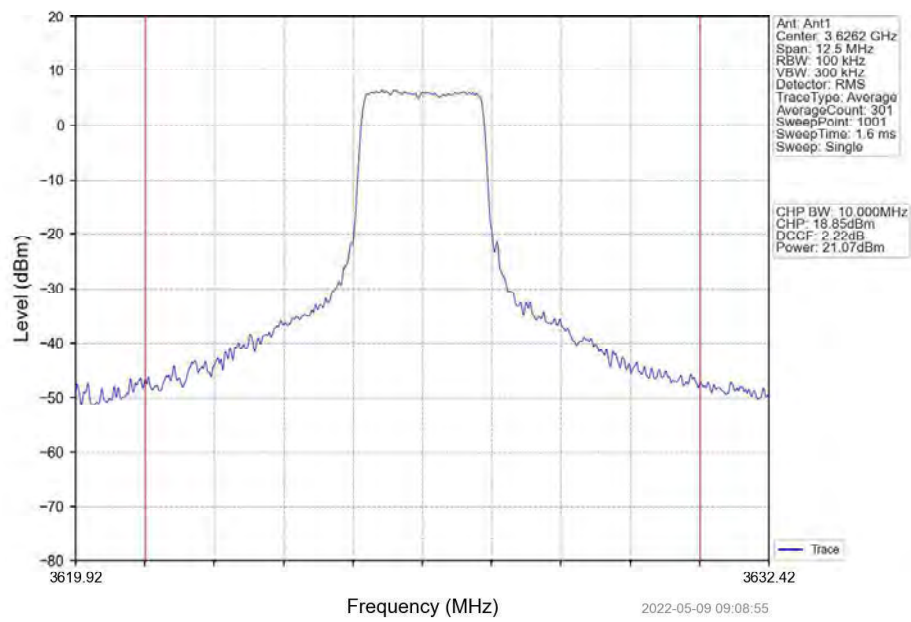
Band48\_5MHz\_QPSK\_MCH\_3625MHz\_RB\_12\_0\_NTNV



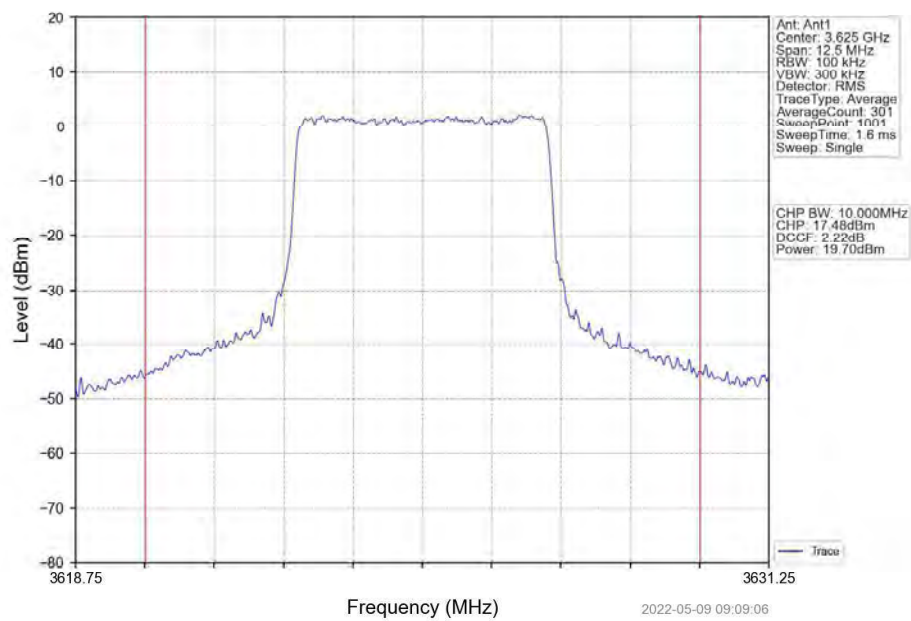
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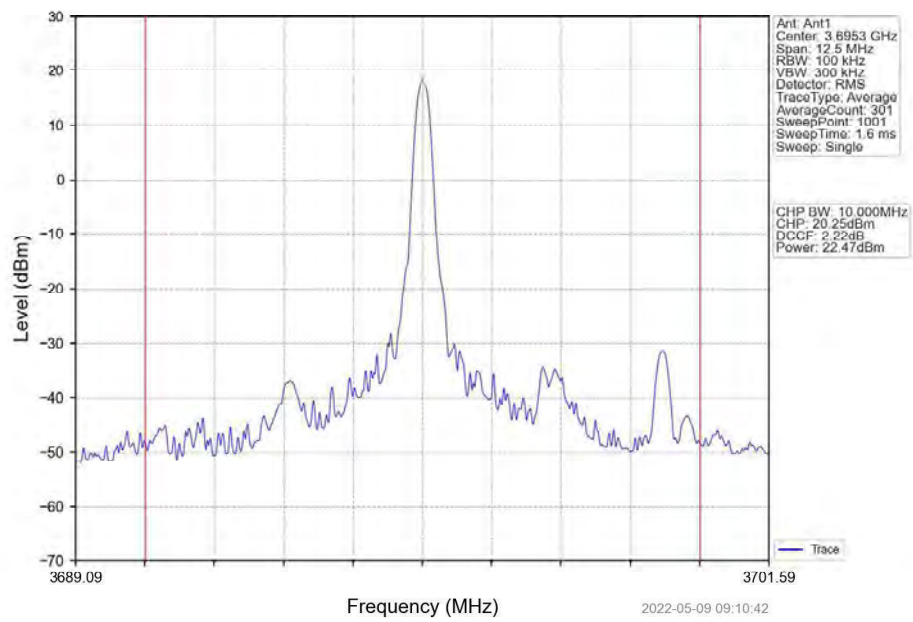
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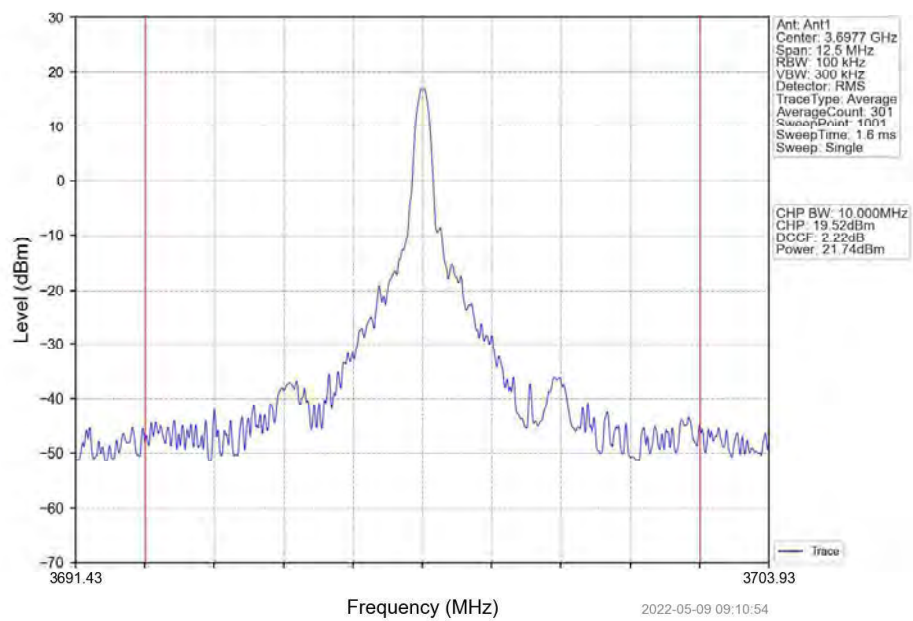
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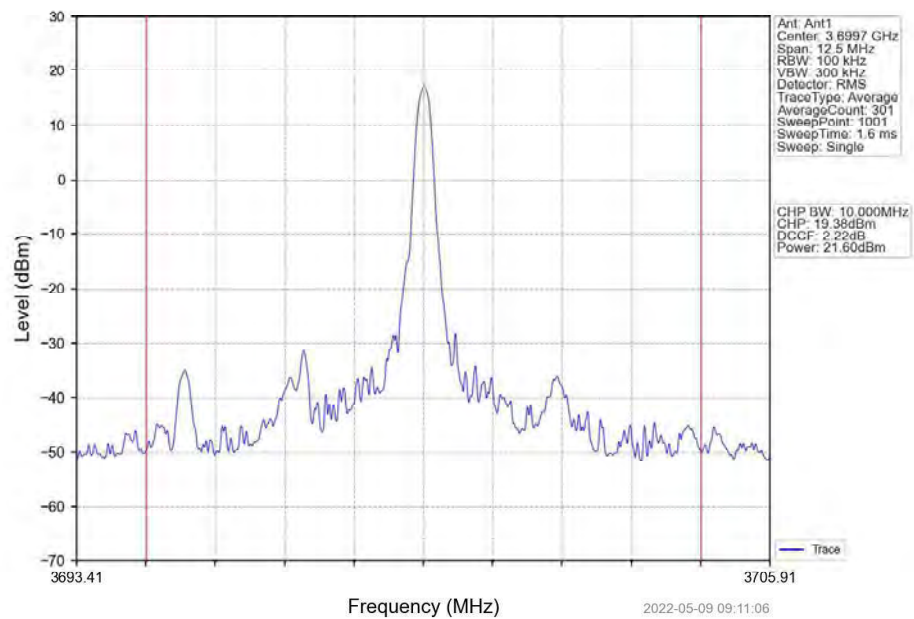
Band48\_5MHz\_QPSK\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV



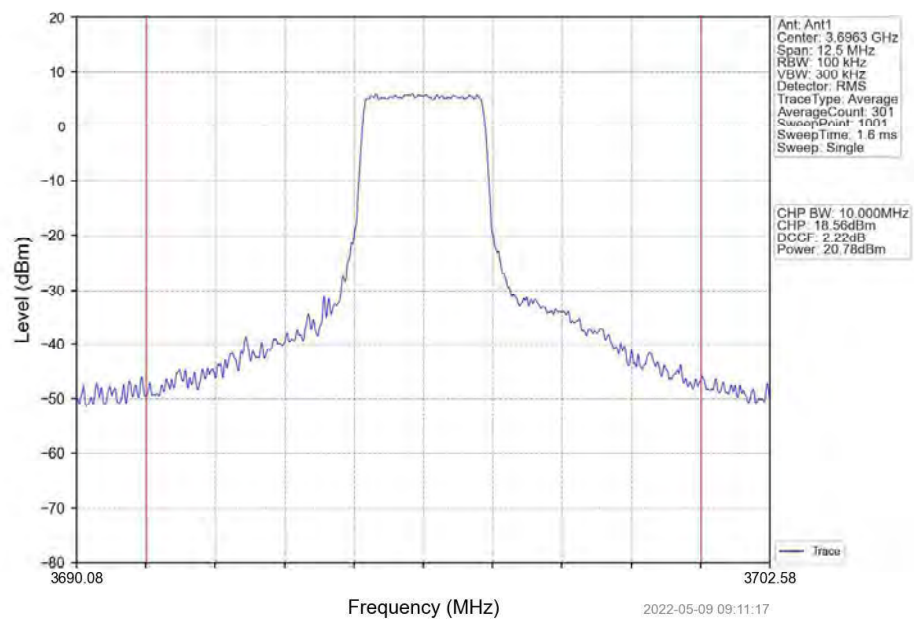
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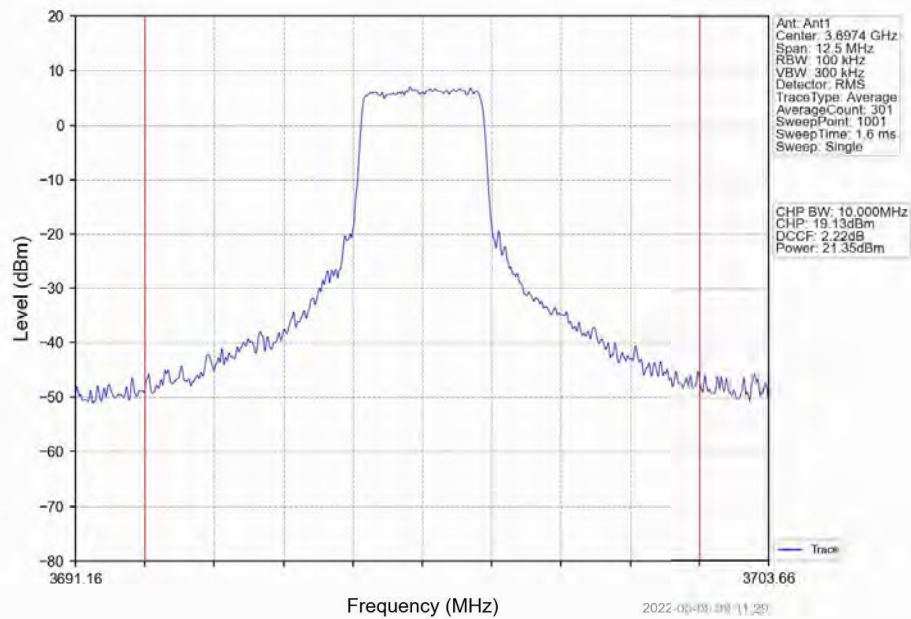
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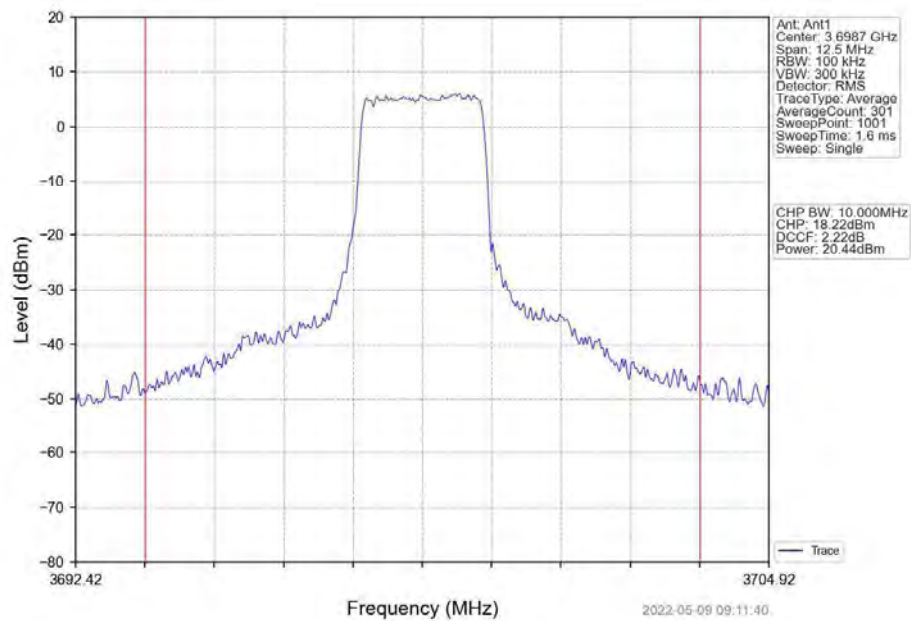
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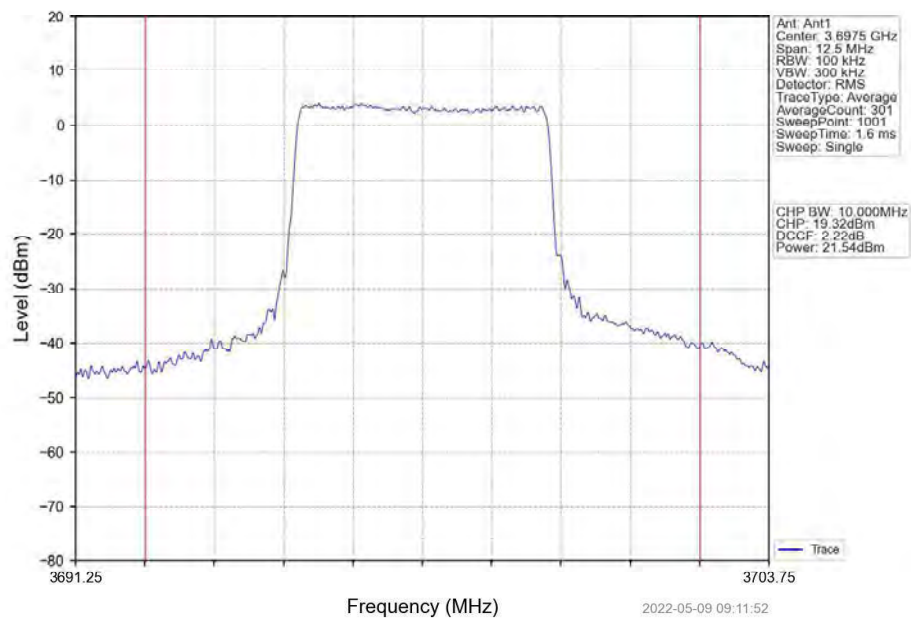
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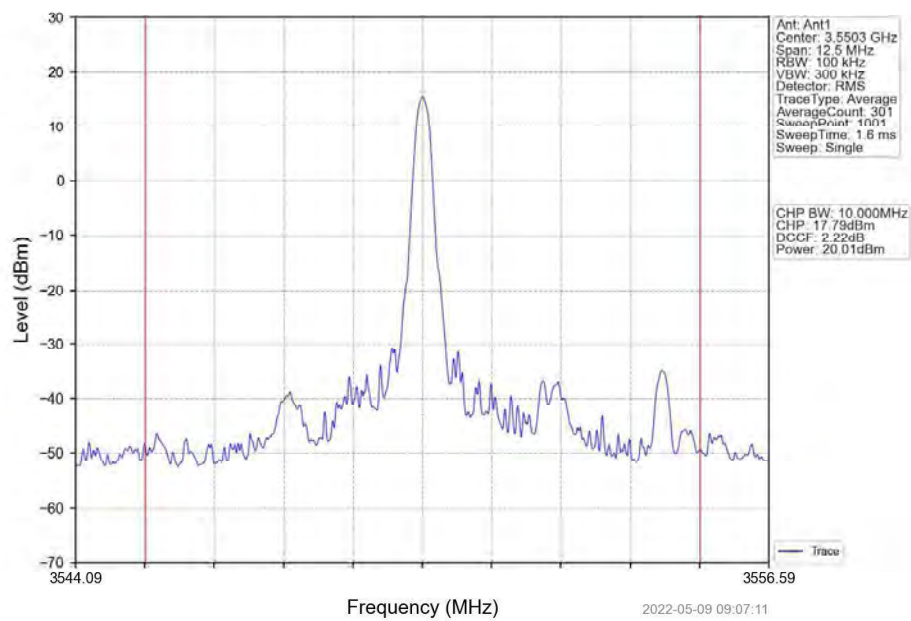
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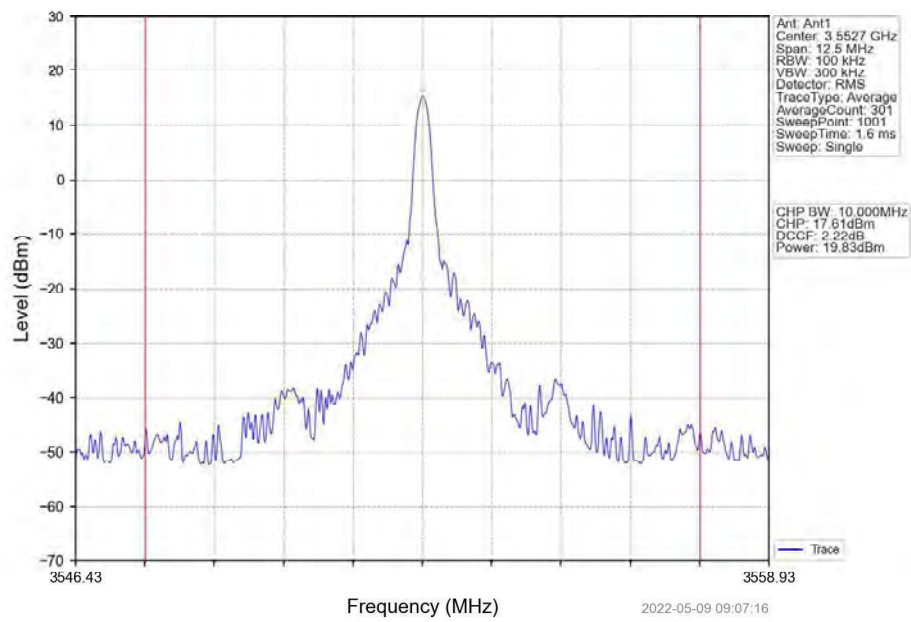
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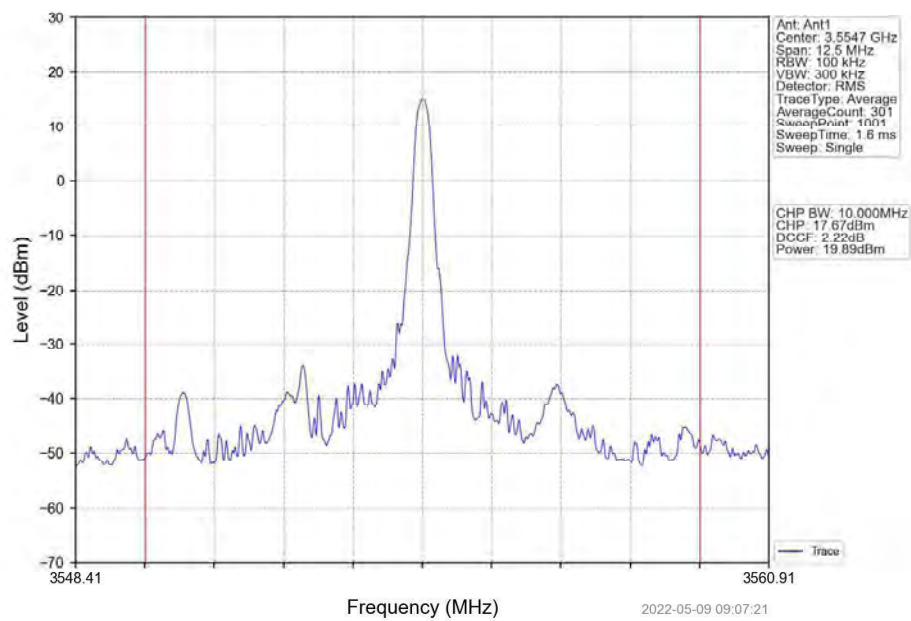
Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_1\_0\_NTNV



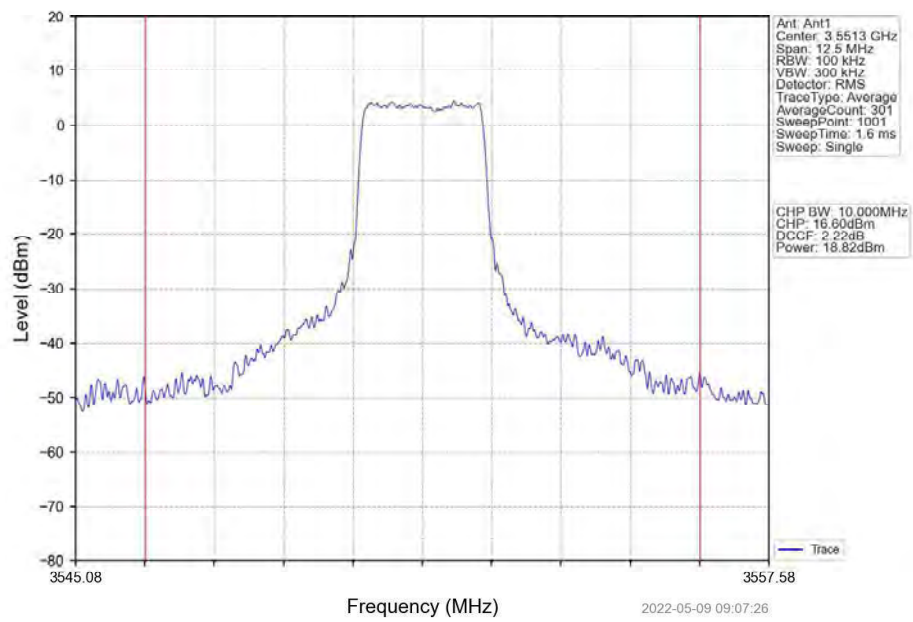
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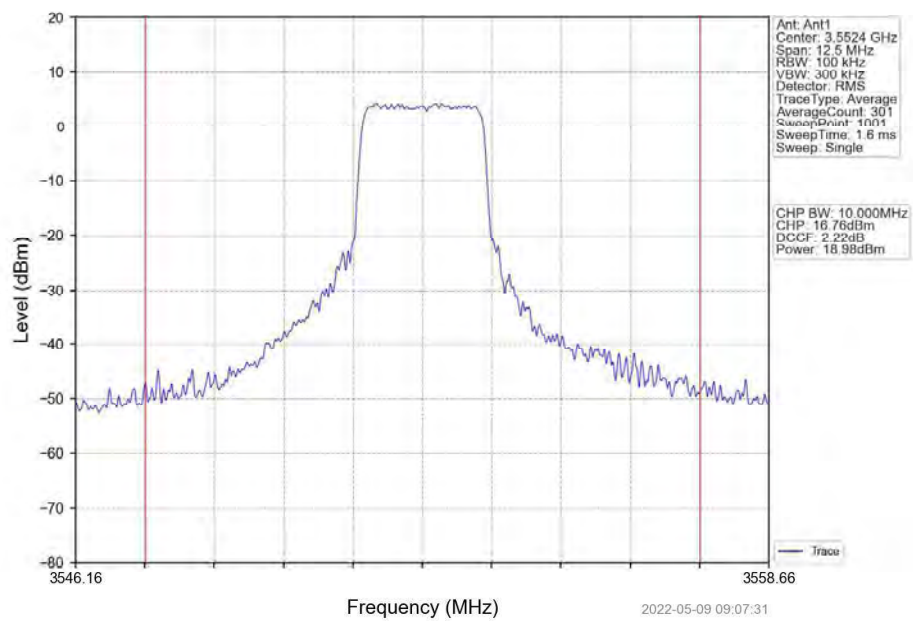
Band48\_5MHz\_16QAM\_LCH\_3552.5MHz\_RB\_1\_24\_NTNV



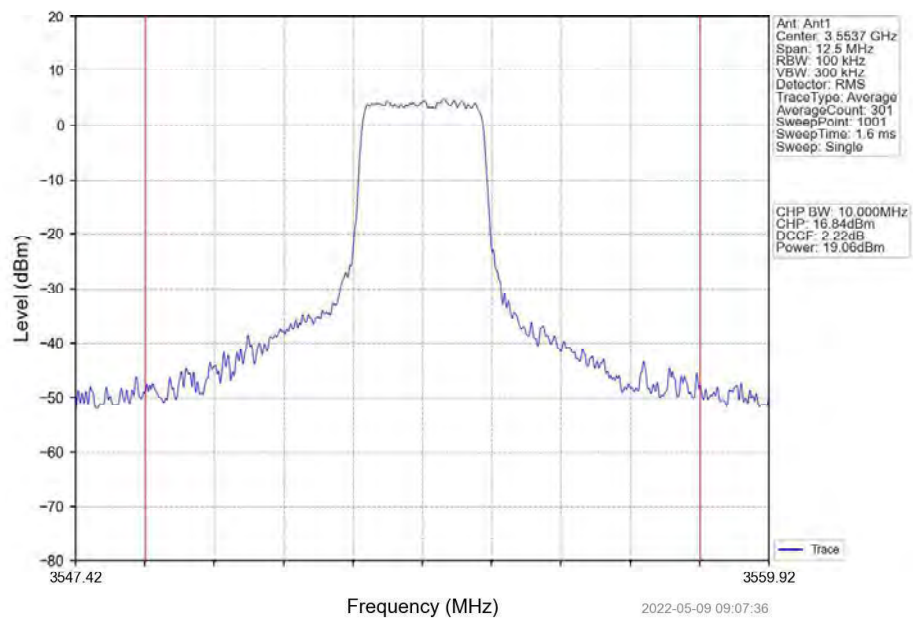
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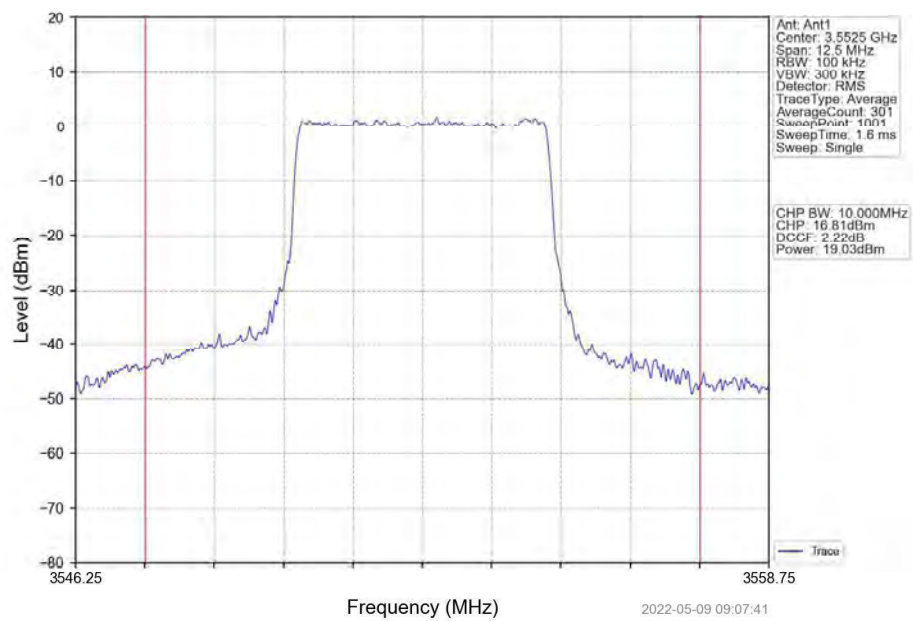
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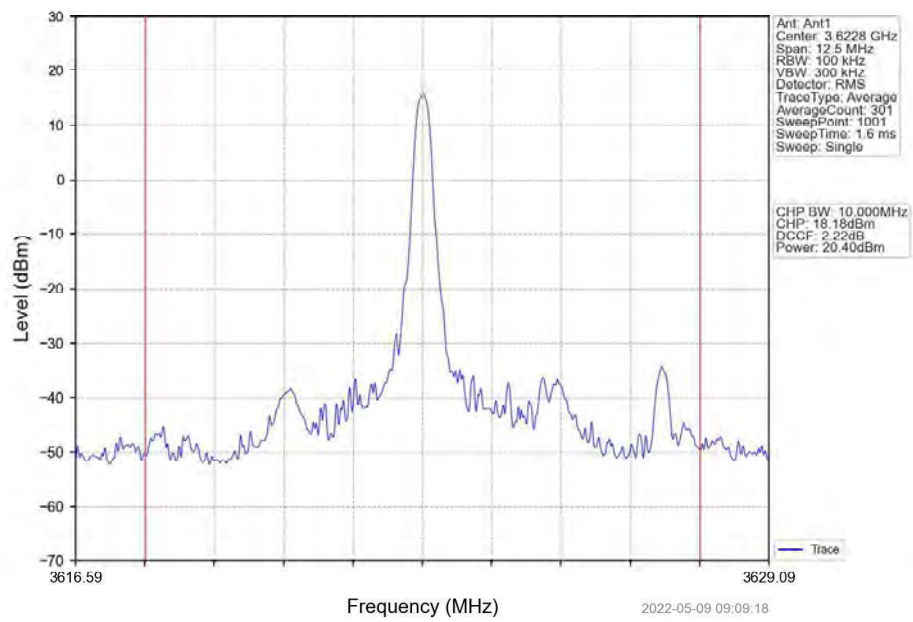
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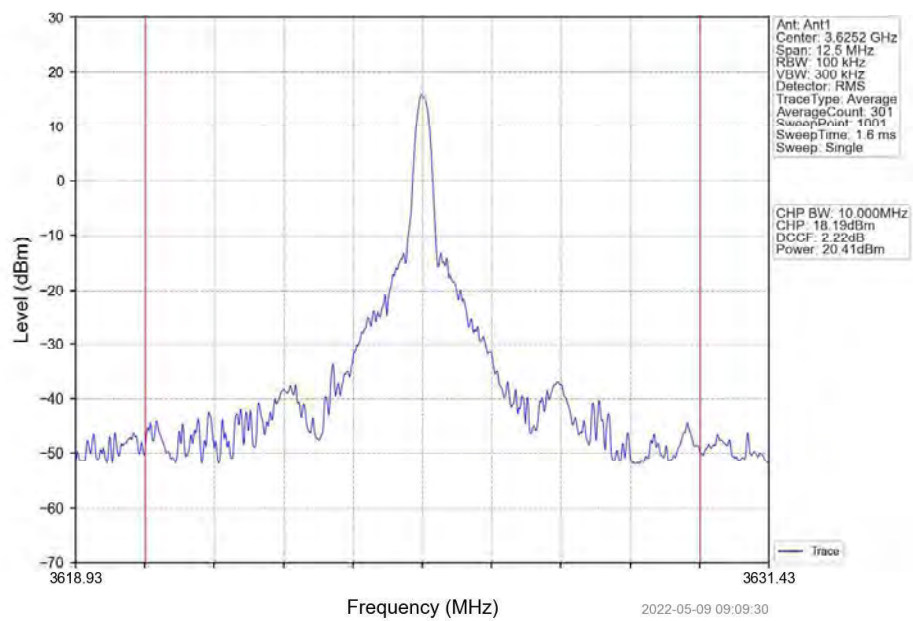
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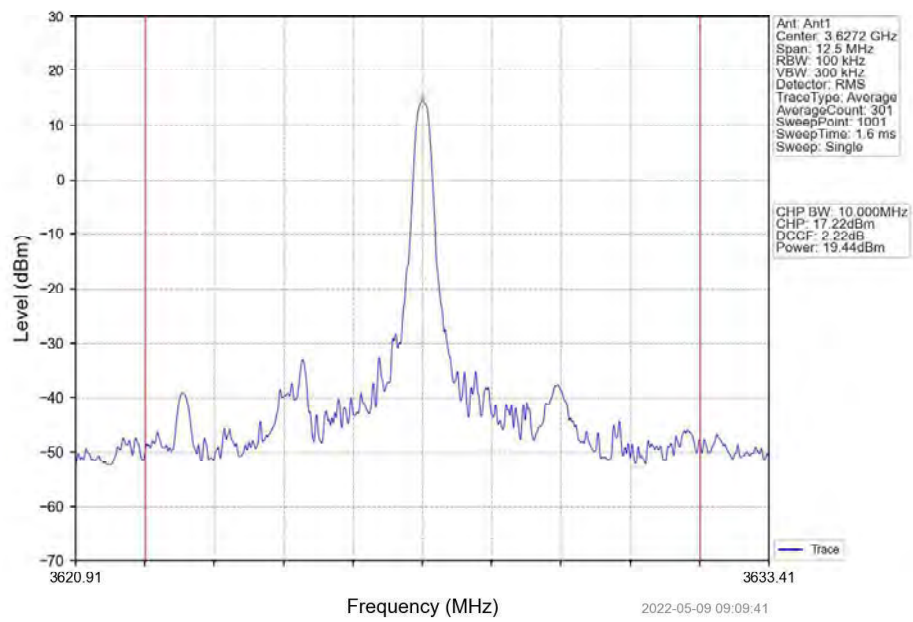
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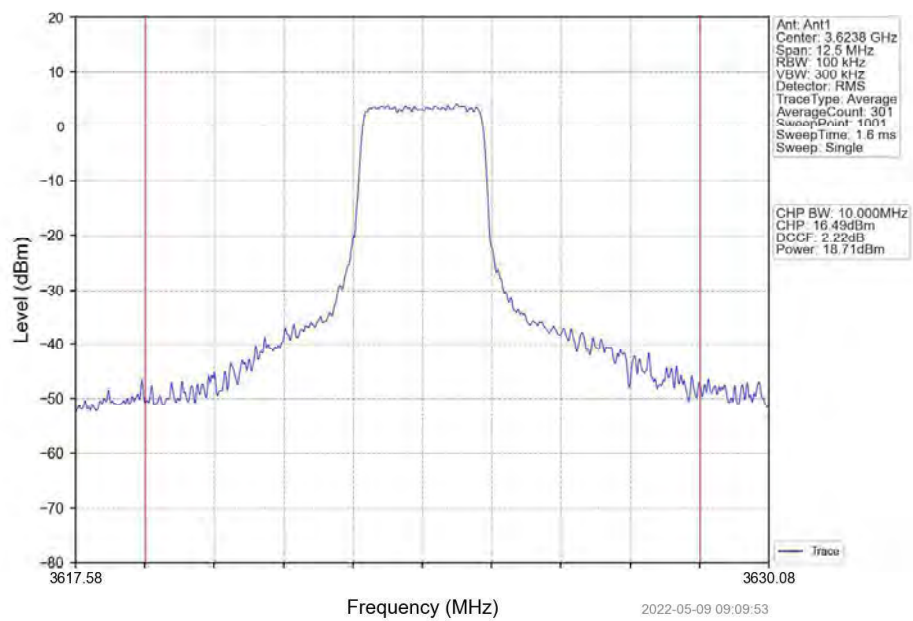
Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_13\_NTNV



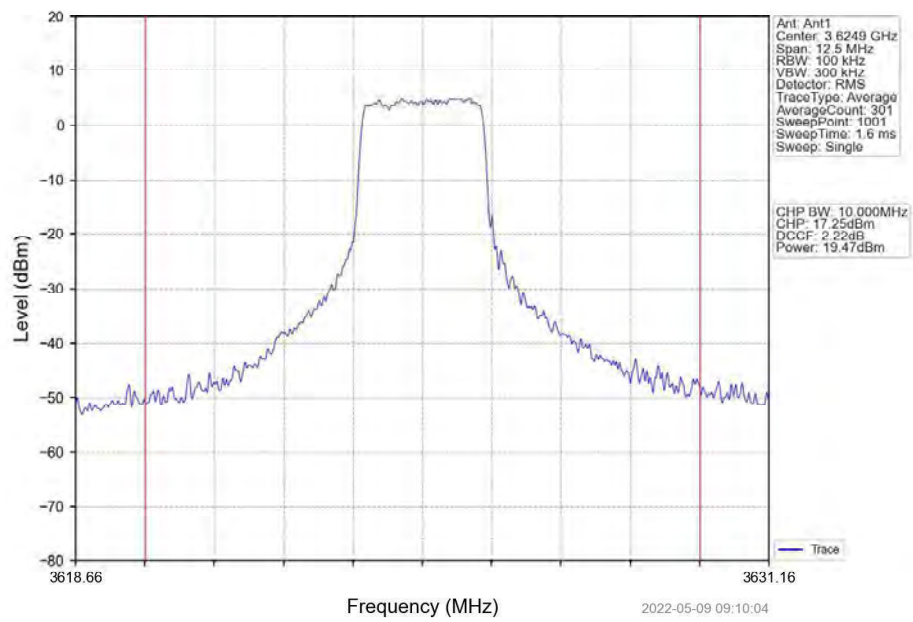
Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_24\_NTNV



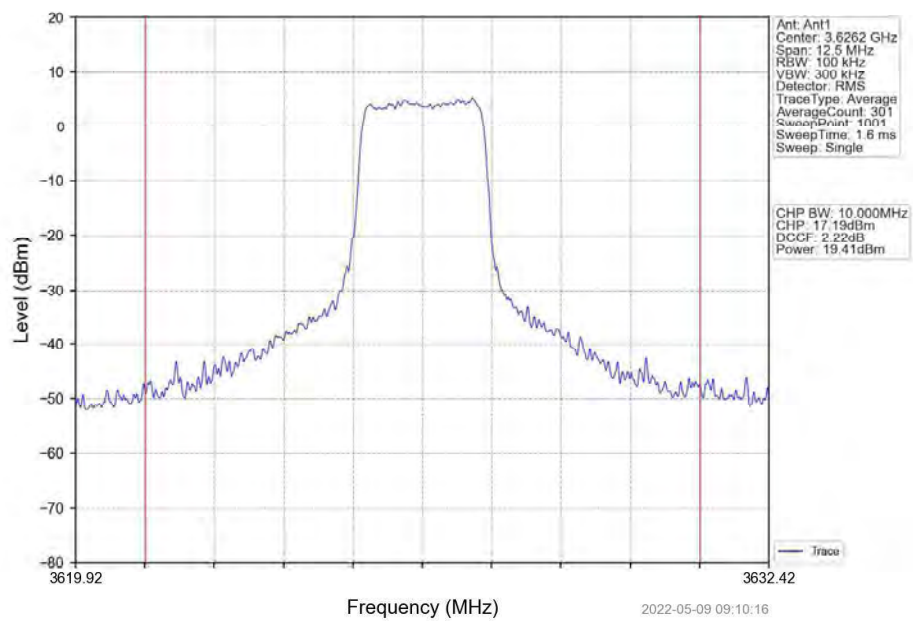
Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_12\_0\_NTNV



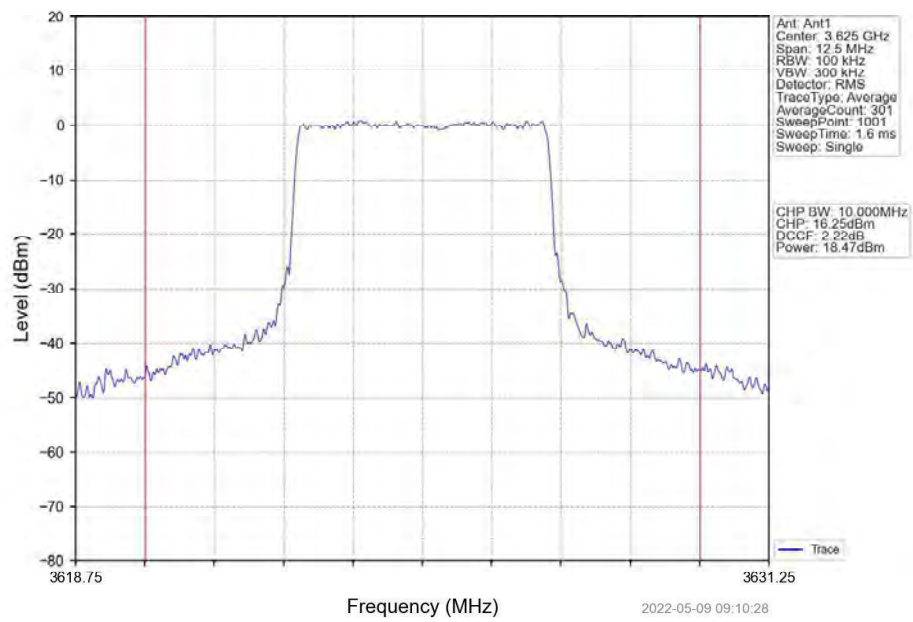
Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_12\_6\_NTNV



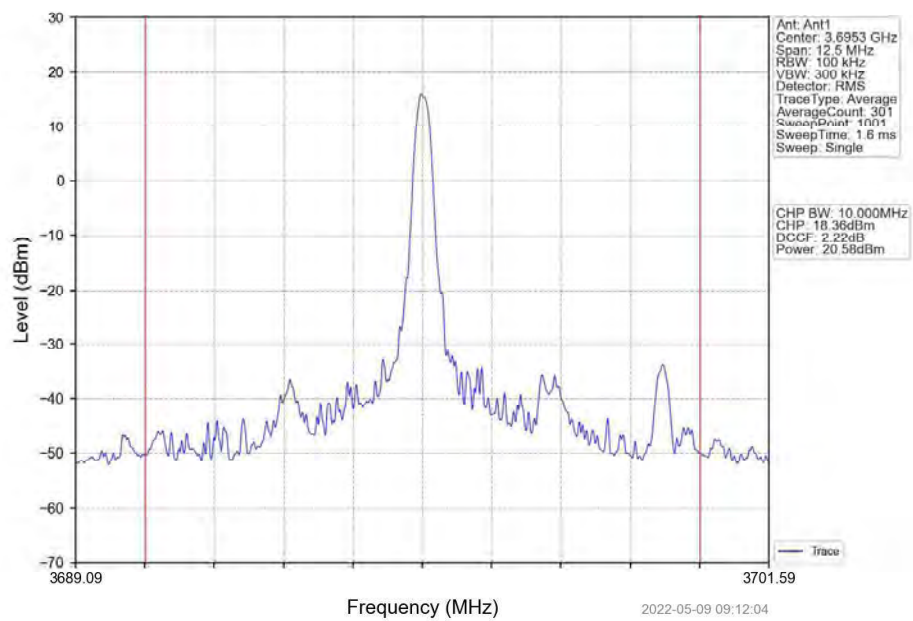
Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_12\_13\_NTNV



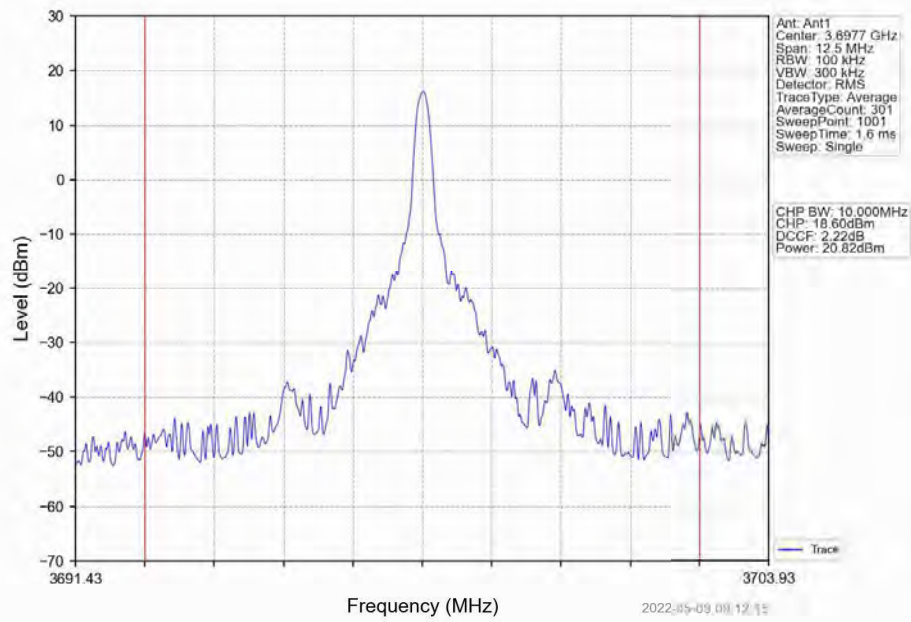
Band48\_5MHz\_16QAM\_MCH\_3625MHz\_RB\_25\_0\_NTNV



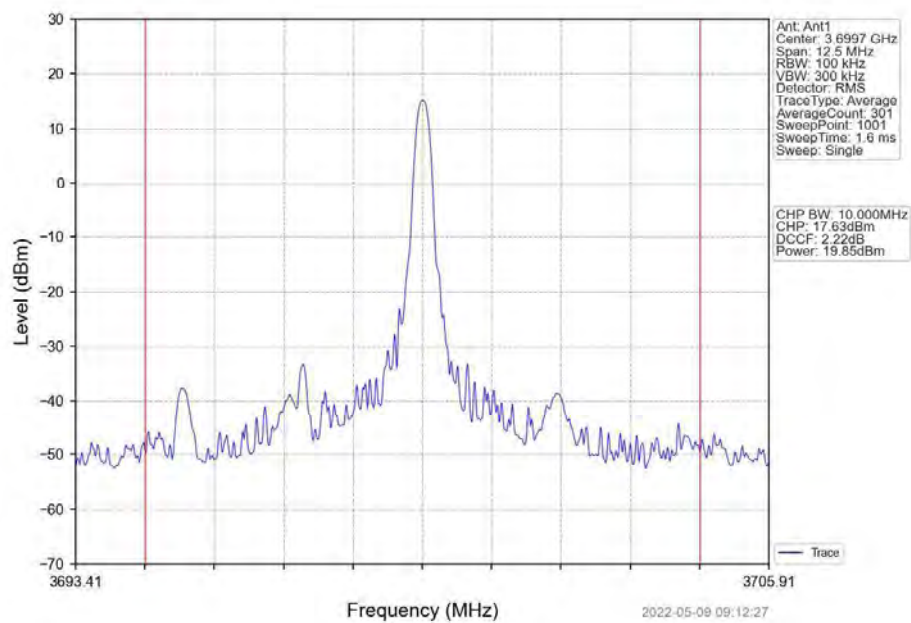
Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_0\_NTNV



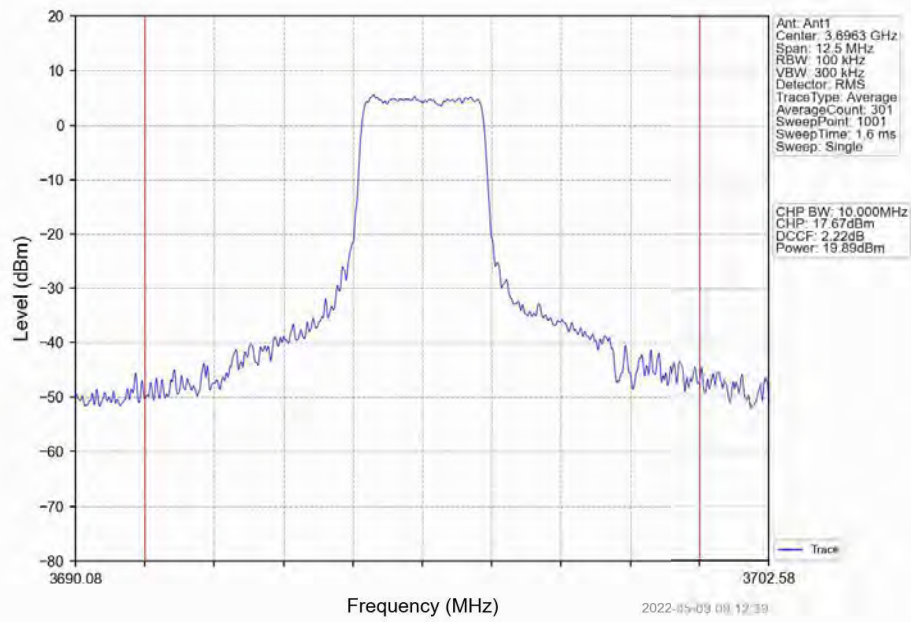
Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_13\_NTNV



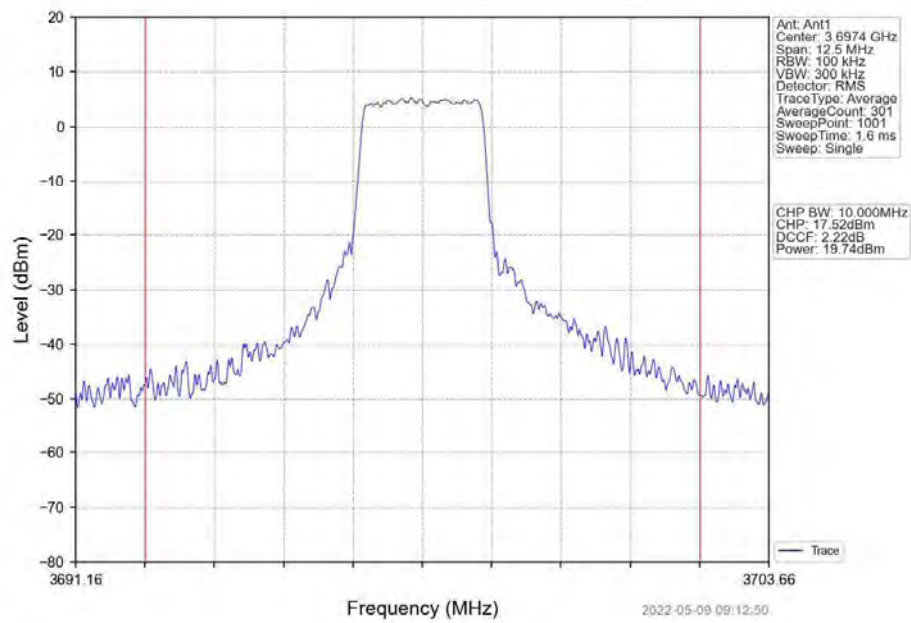
Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_1\_24\_NTNV



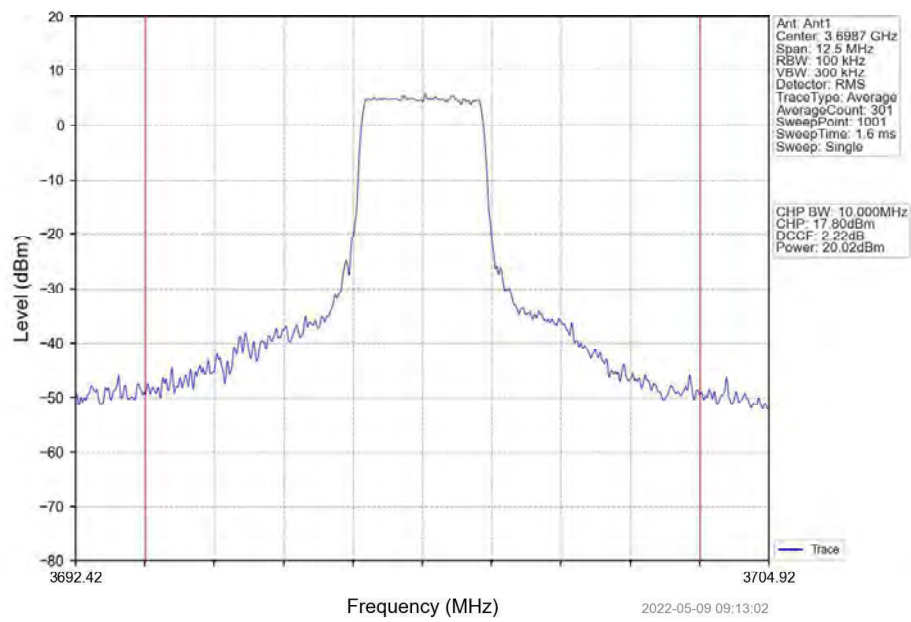
Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_12\_0\_NTNV



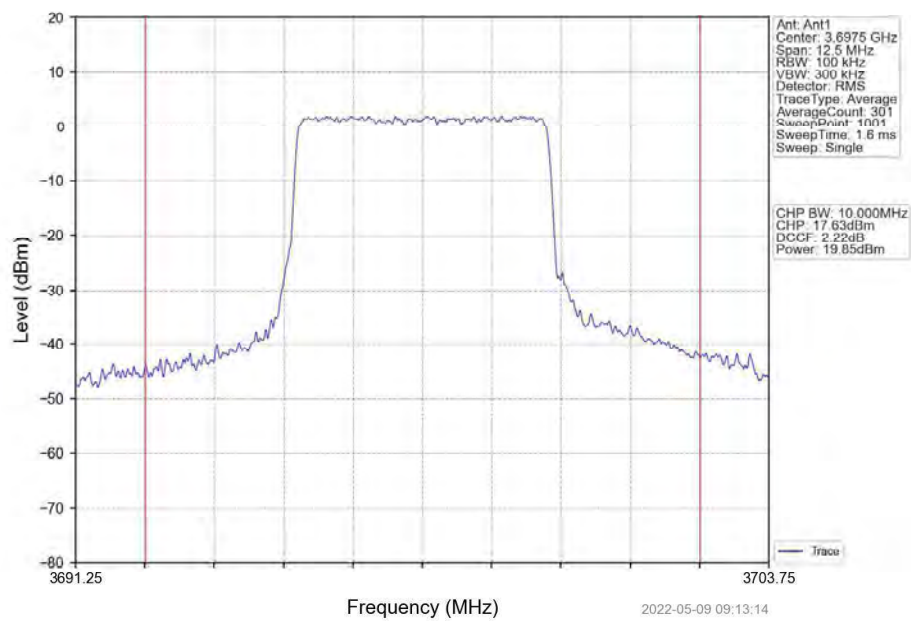
Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_12\_6\_NTNV



Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_12\_13\_NTNV



Band48\_5MHz\_16QAM\_HCH\_3697.5MHz\_RB\_25\_0\_NTNV

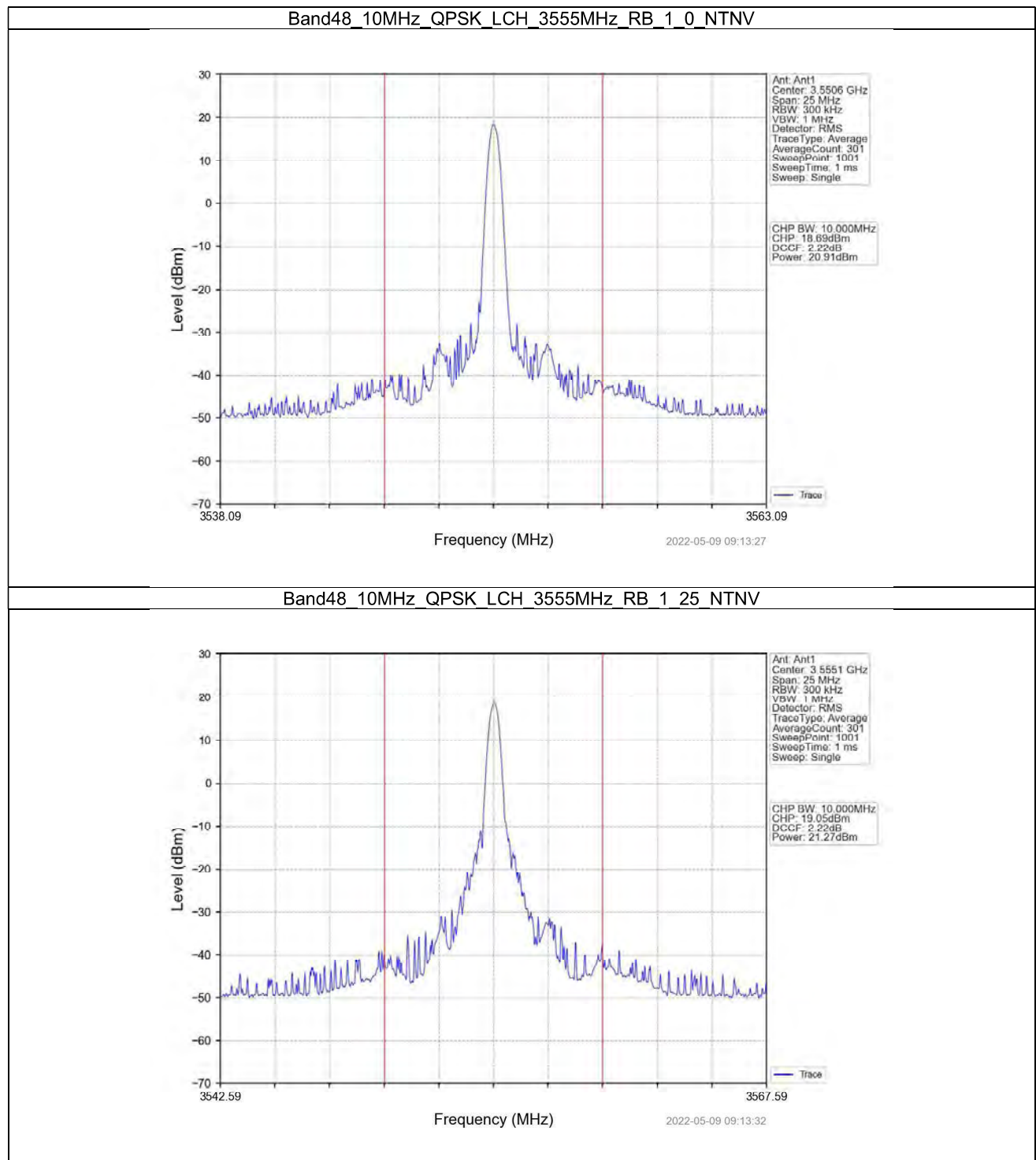


## 1.2 B48\_10MHz\_EIRP

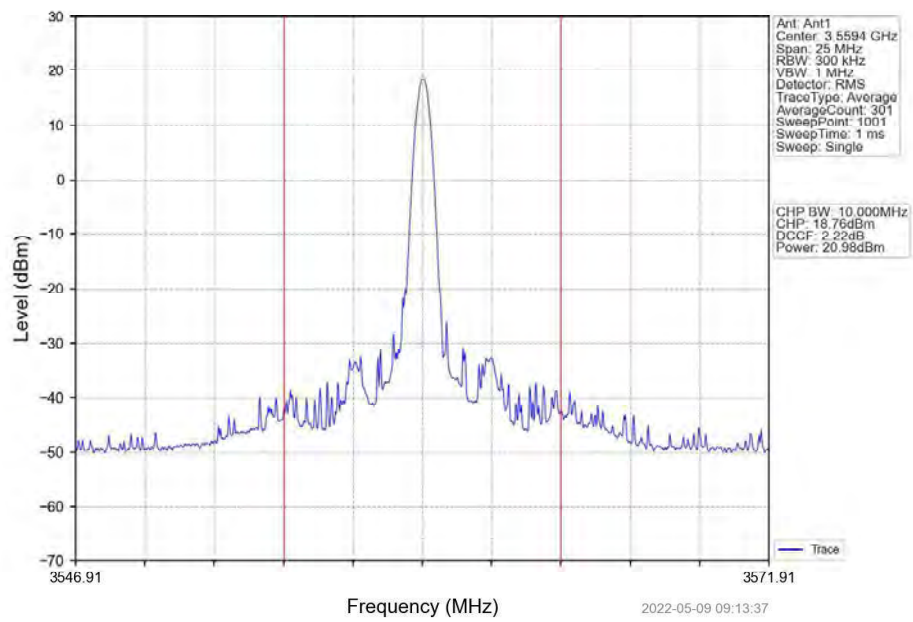
### 1.2.1 Test Result

| Band: 48 / Bandwidth: 10MHz / NTNv       |                 |               |        |                             |            |                  |       |         |      |      |
|------------------------------------------|-----------------|---------------|--------|-----------------------------|------------|------------------|-------|---------|------|------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm/10MHz) | Gain (dbi) | EIRP (dBm/10MHz) |       | Verdict |      |      |
|                                          |                 | Size          | Offset |                             |            | Result           | Limit |         |      |      |
| QPSK                                     | 3555            | 1             | 0      | 20.91                       | -0.13      | 20.78            | <=23  | Pass    |      |      |
|                                          |                 |               | 25     | 21.27                       | -0.13      | 21.14            | <=23  | Pass    |      |      |
|                                          |                 |               | 49     | 20.98                       | -0.13      | 20.85            | <=23  | Pass    |      |      |
|                                          |                 | 25            | 0      | 20.11                       | -0.13      | 19.98            | <=23  | Pass    |      |      |
|                                          |                 |               | 13     | 20.20                       | -0.13      | 20.07            | <=23  | Pass    |      |      |
|                                          |                 |               | 25     | 19.84                       | -0.13      | 19.71            | <=23  | Pass    |      |      |
|                                          |                 | 50            | 0      | 20.27                       | -0.13      | 20.14            | <=23  | Pass    |      |      |
|                                          |                 | 3625          | 1      | 0                           | 21.27      | -0.13            | 21.14 | <=23    | Pass |      |
|                                          |                 |               |        | 25                          | 21.36      | -0.13            | 21.23 | <=23    | Pass |      |
|                                          | 49              |               |        | 21.20                       | -0.13      | 21.07            | <=23  | Pass    |      |      |
|                                          | 25              |               | 0      | 20.15                       | -0.13      | 20.02            | <=23  | Pass    |      |      |
|                                          |                 |               | 13     | 20.53                       | -0.13      | 20.40            | <=23  | Pass    |      |      |
|                                          |                 |               | 25     | 20.67                       | -0.13      | 20.54            | <=23  | Pass    |      |      |
|                                          | 50              |               | 0      | 20.20                       | -0.13      | 20.07            | <=23  | Pass    |      |      |
|                                          | 3695            |               | 1      | 0                           | 21.78      | -0.13            | 21.65 | <=23    | Pass |      |
|                                          |                 |               |        | 25                          | 22.12      | -0.13            | 21.99 | <=23    | Pass |      |
|                                          |                 | 49            |        | 22.02                       | -0.13      | 21.89            | <=23  | Pass    |      |      |
|                                          |                 | 25            | 0      | 21.20                       | -0.13      | 21.07            | <=23  | Pass    |      |      |
|                                          |                 |               | 13     | 21.14                       | -0.13      | 21.01            | <=23  | Pass    |      |      |
|                                          |                 |               | 25     | 20.94                       | -0.13      | 20.81            | <=23  | Pass    |      |      |
|                                          |                 | 50            | 0      | 21.24                       | -0.13      | 21.11            | <=23  | Pass    |      |      |
|                                          |                 | 16QAM         | 3555   | 1                           | 0          | 20.24            | -0.13 | 20.11   | <=23 | Pass |
|                                          |                 |               |        |                             | 25         | 20.14            | -0.13 | 20.01   | <=23 | Pass |
|                                          | 49              |               |        |                             | 19.93      | -0.13            | 19.80 | <=23    | Pass |      |
| 25                                       | 0               |               |        | 19.21                       | -0.13      | 19.08            | <=23  | Pass    |      |      |
|                                          | 13              |               |        | 19.17                       | -0.13      | 19.04            | <=23  | Pass    |      |      |
|                                          | 25              |               |        | 19.13                       | -0.13      | 19.00            | <=23  | Pass    |      |      |
| 50                                       | 0               |               |        | 18.85                       | -0.13      | 18.72            | <=23  | Pass    |      |      |
| 3625                                     | 1               |               |        | 0                           | 20.15      | -0.13            | 20.02 | <=23    | Pass |      |
|                                          |                 |               |        | 25                          | 20.11      | -0.13            | 19.98 | <=23    | Pass |      |
|                                          |                 |               | 49     | 20.55                       | -0.13      | 20.42            | <=23  | Pass    |      |      |
|                                          | 25              |               | 0      | 19.43                       | -0.13      | 19.30            | <=23  | Pass    |      |      |
|                                          |                 |               | 13     | 19.57                       | -0.13      | 19.44            | <=23  | Pass    |      |      |
|                                          |                 |               | 25     | 19.40                       | -0.13      | 19.27            | <=23  | Pass    |      |      |
|                                          | 50              |               | 0      | 19.31                       | -0.13      | 19.18            | <=23  | Pass    |      |      |
|                                          | 3695            |               | 1      | 0                           | 20.76      | -0.13            | 20.63 | <=23    | Pass |      |
|                                          |                 |               |        | 25                          | 21.28      | -0.13            | 21.15 | <=23    | Pass |      |
| 49                                       |                 |               |        | 20.93                       | -0.13      | 20.80            | <=23  | Pass    |      |      |
| 25                                       |                 |               | 0      | 19.86                       | -0.13      | 19.73            | <=23  | Pass    |      |      |
|                                          |                 |               | 13     | 20.19                       | -0.13      | 20.06            | <=23  | Pass    |      |      |
|                                          |                 |               | 25     | 20.20                       | -0.13      | 20.07            | <=23  | Pass    |      |      |
| 50                                       |                 |               | 0      | 20.36                       | -0.13      | 20.23            | <=23  | Pass    |      |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                             |            |                  |       |         |      |      |

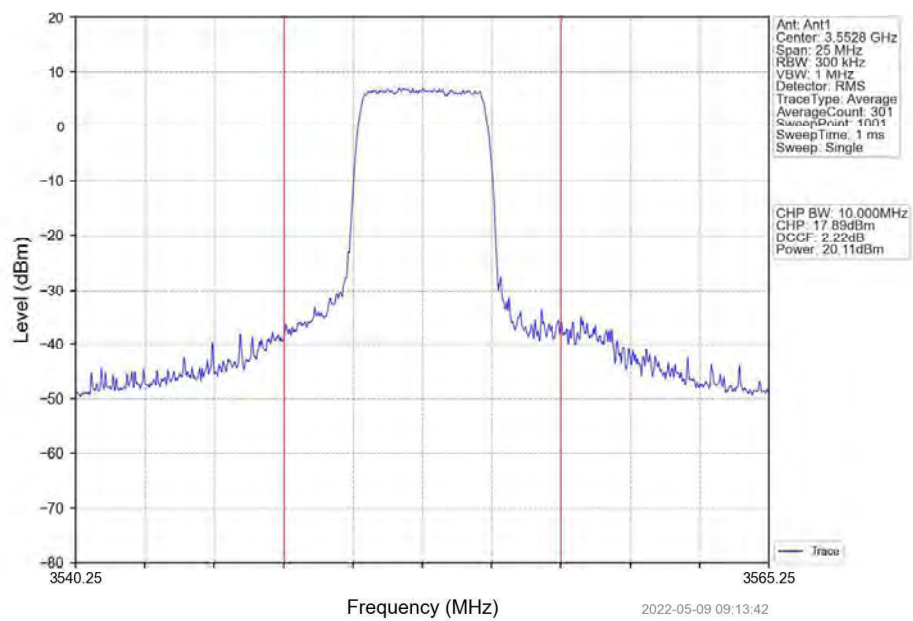
## 1.2.2 Test Graph



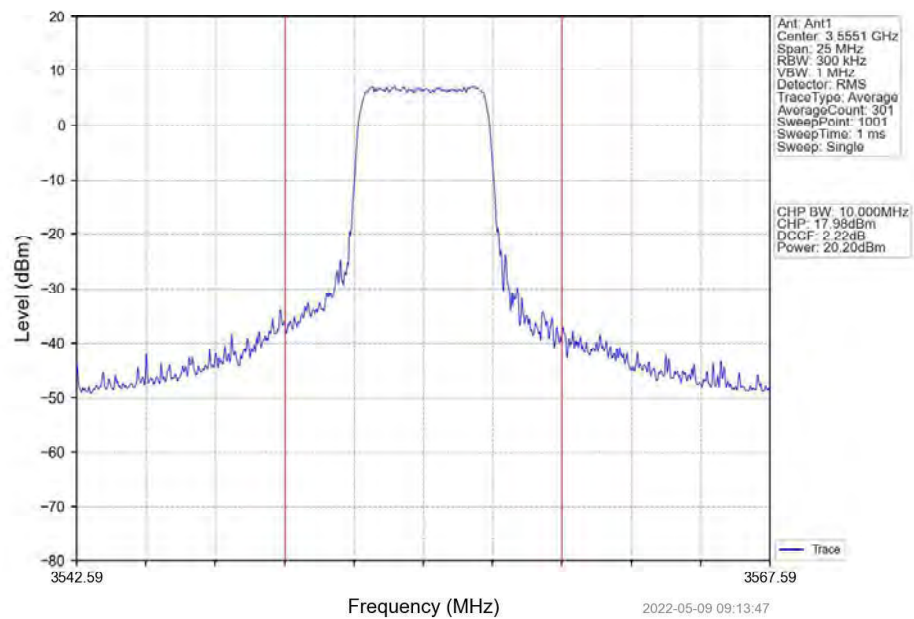
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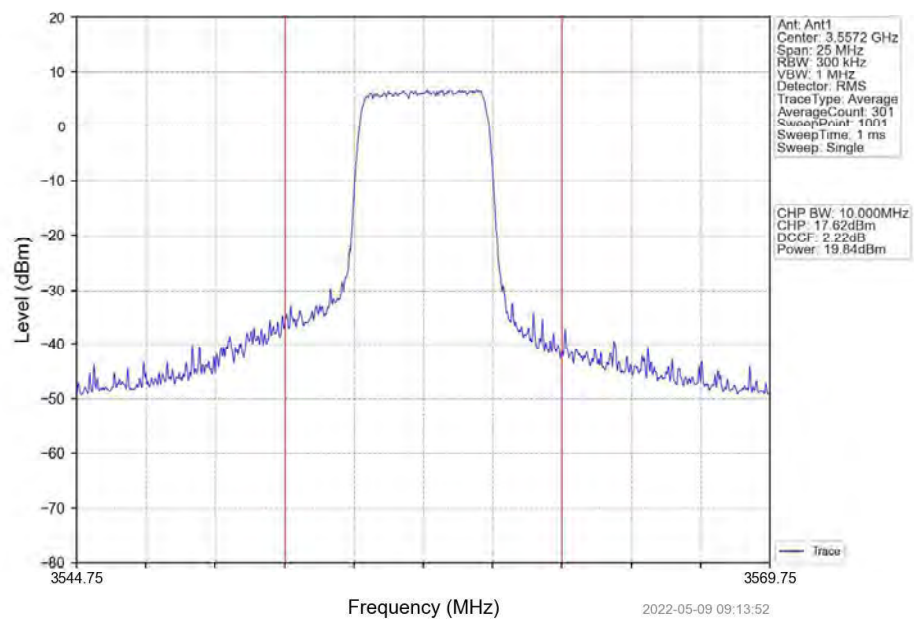
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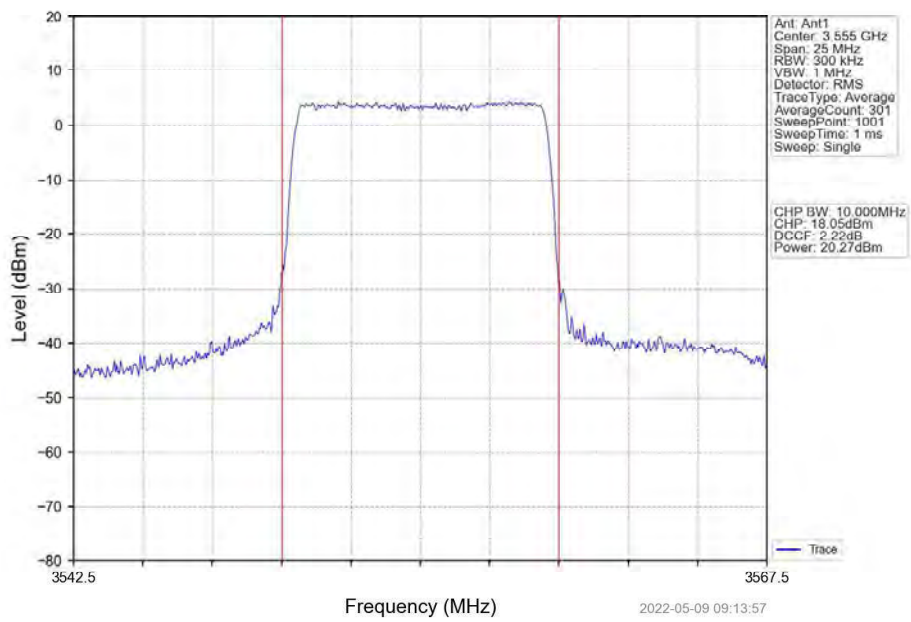
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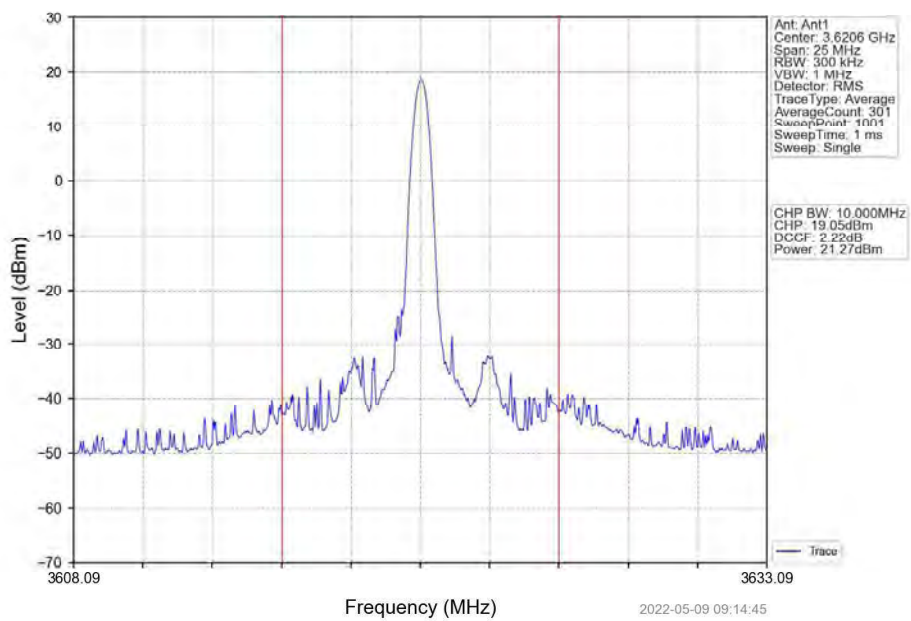
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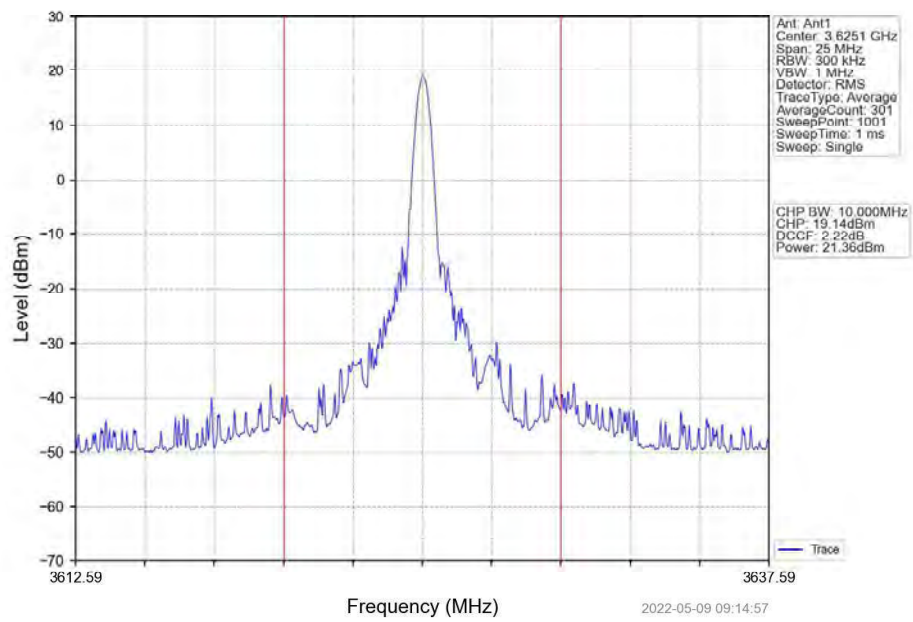
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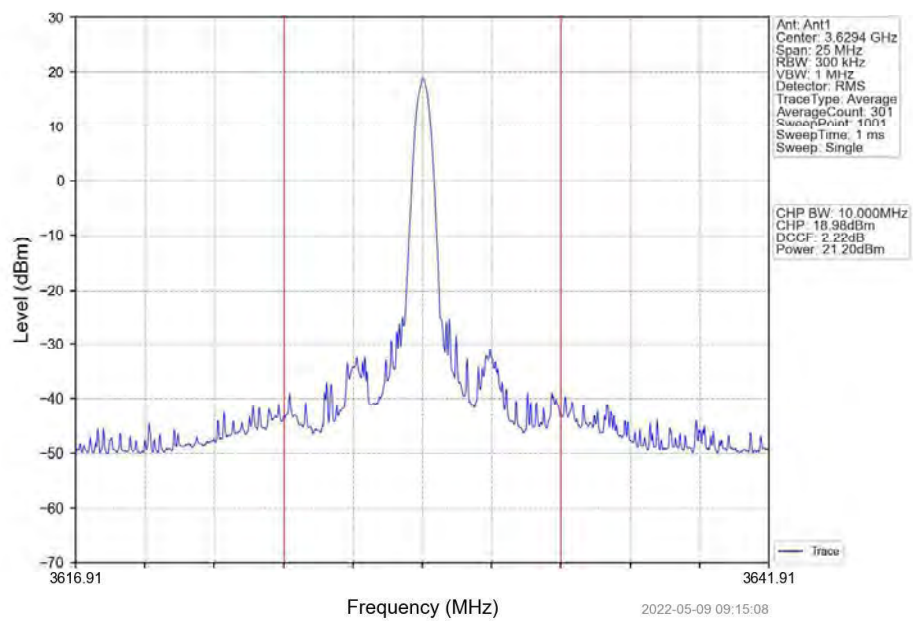
# Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



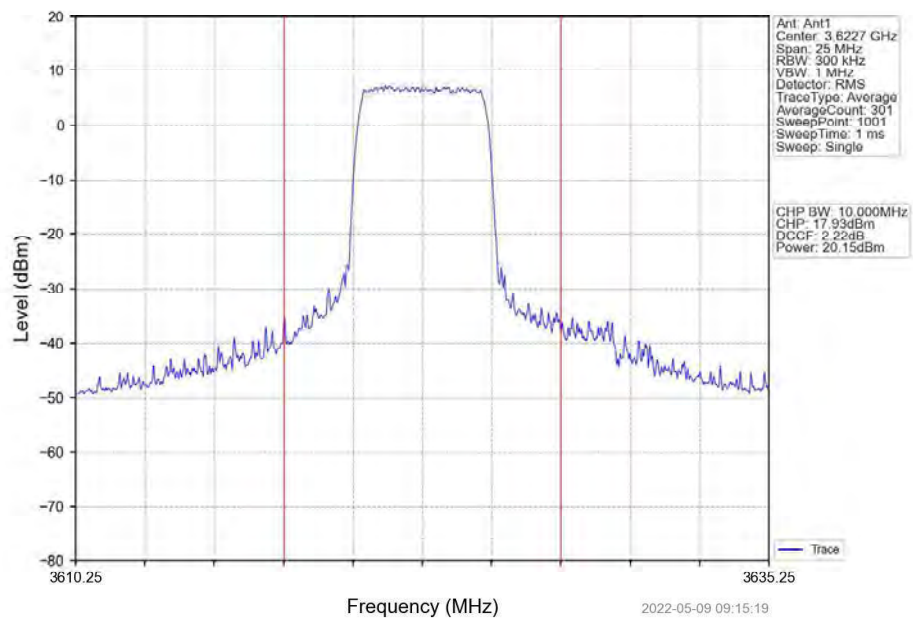
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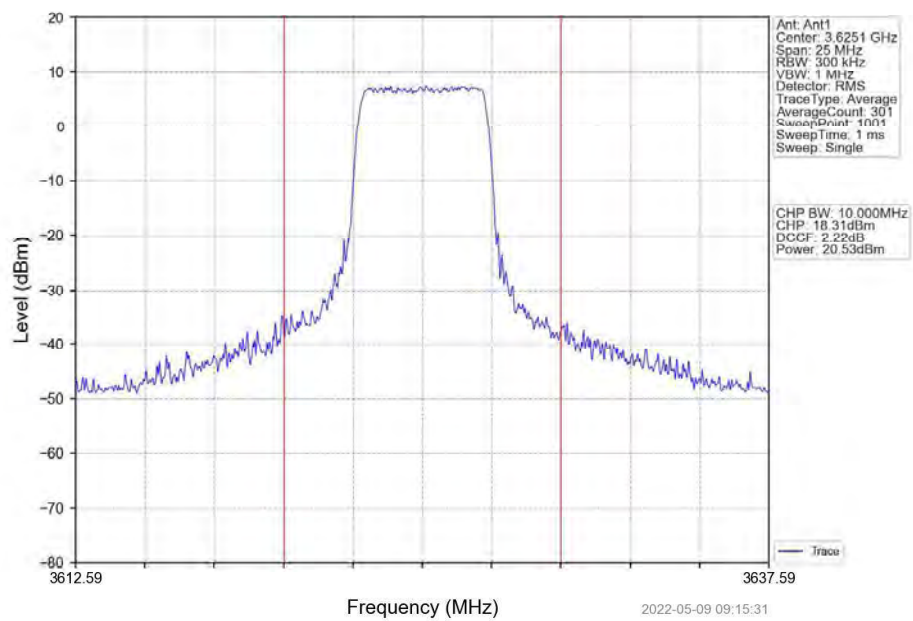
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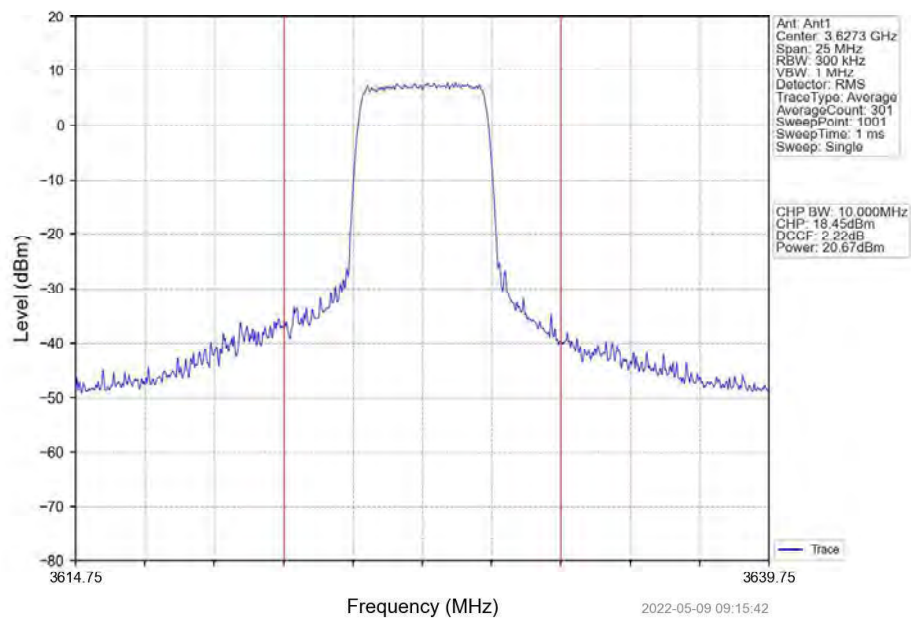
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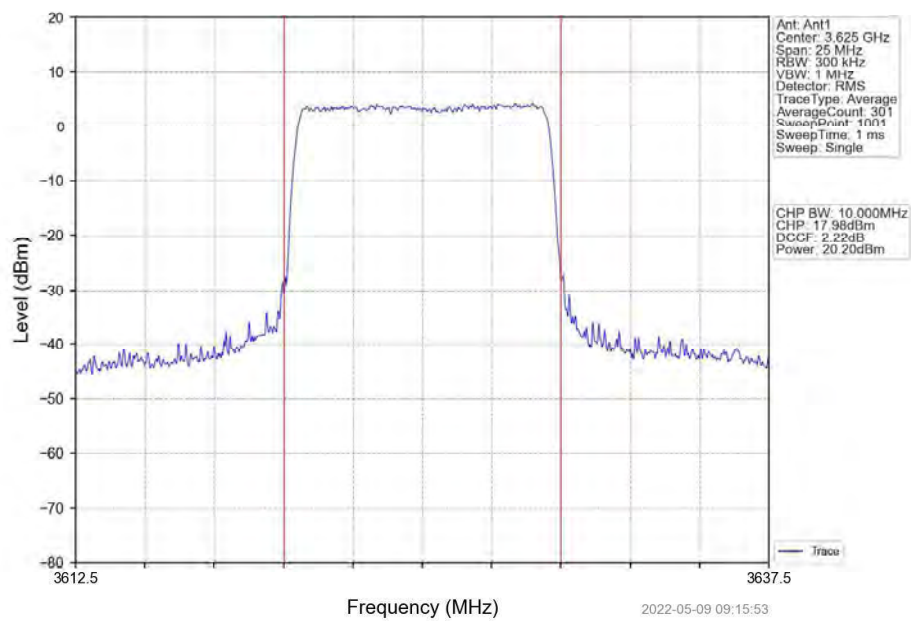
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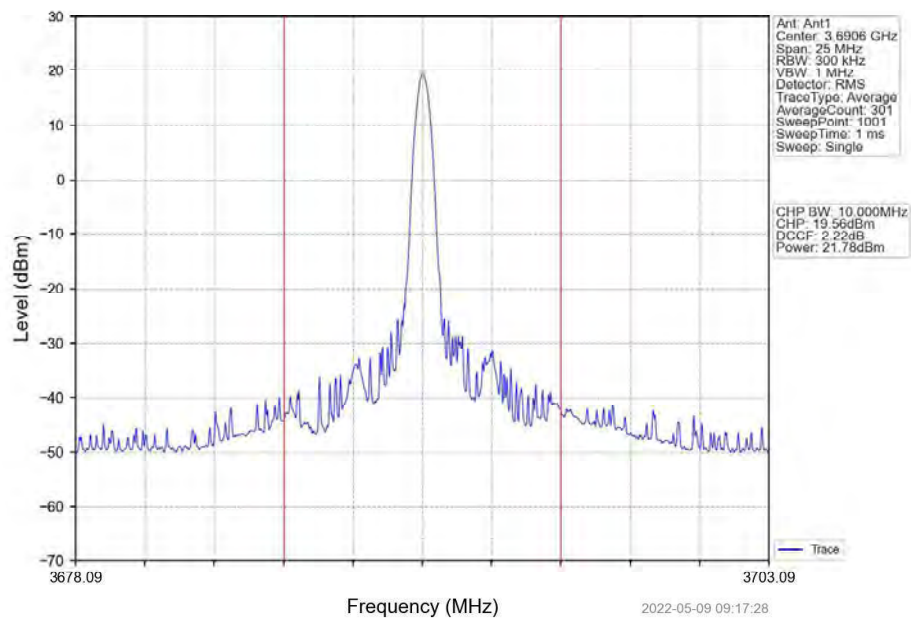
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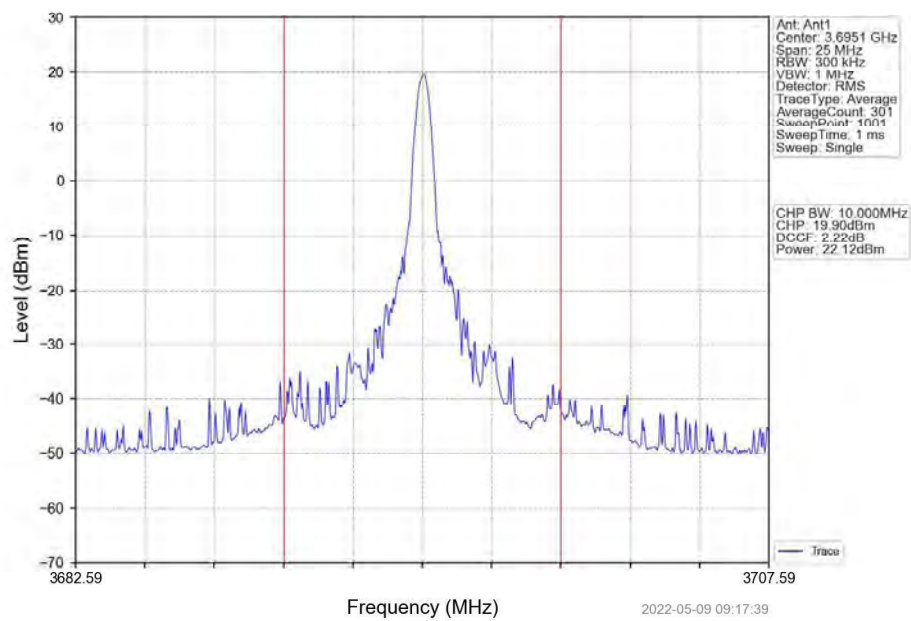
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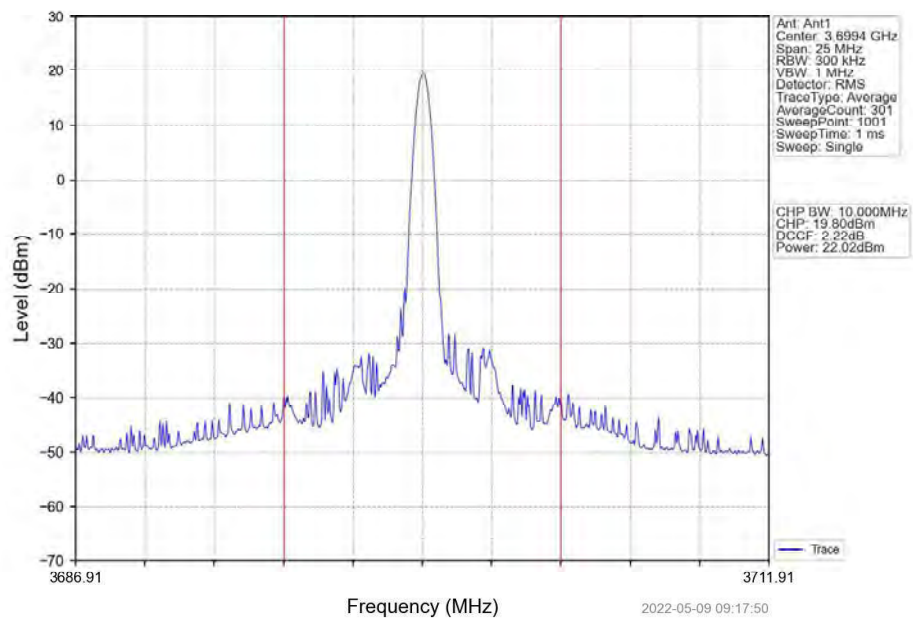
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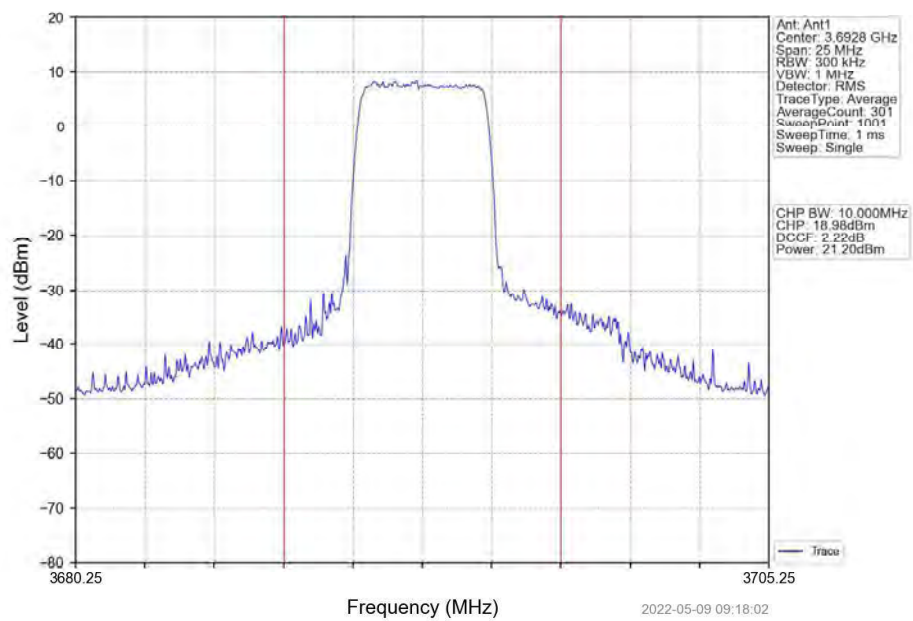
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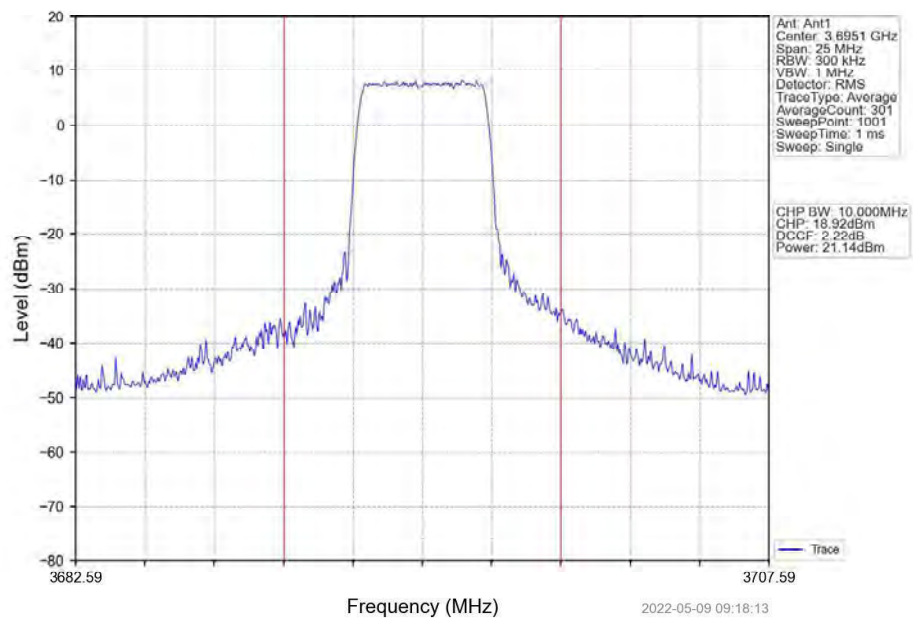
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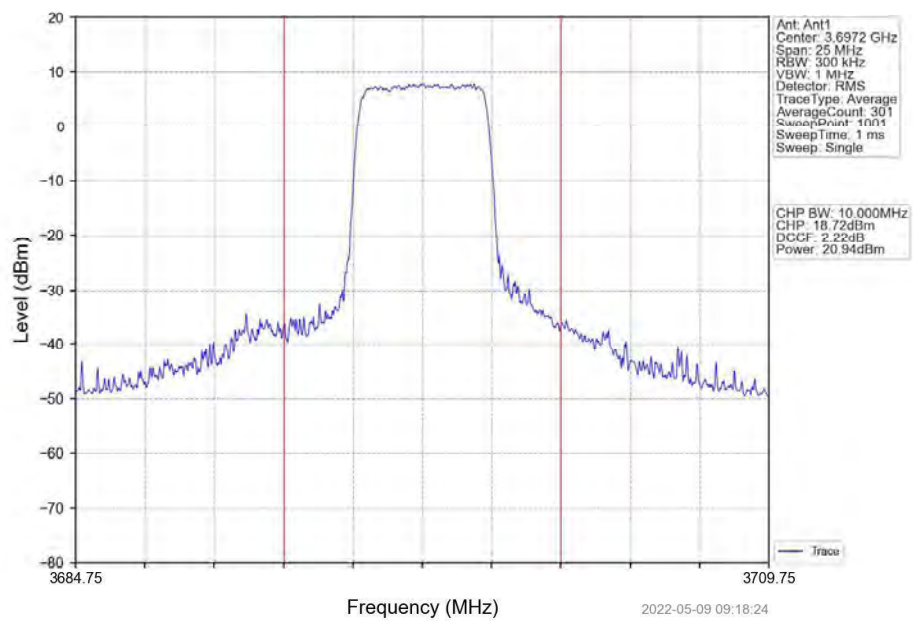
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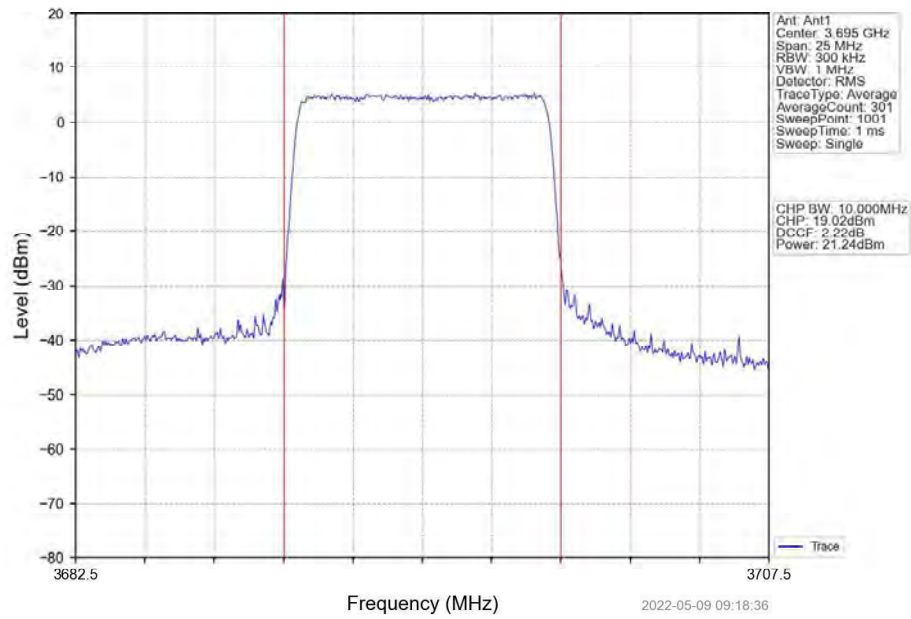
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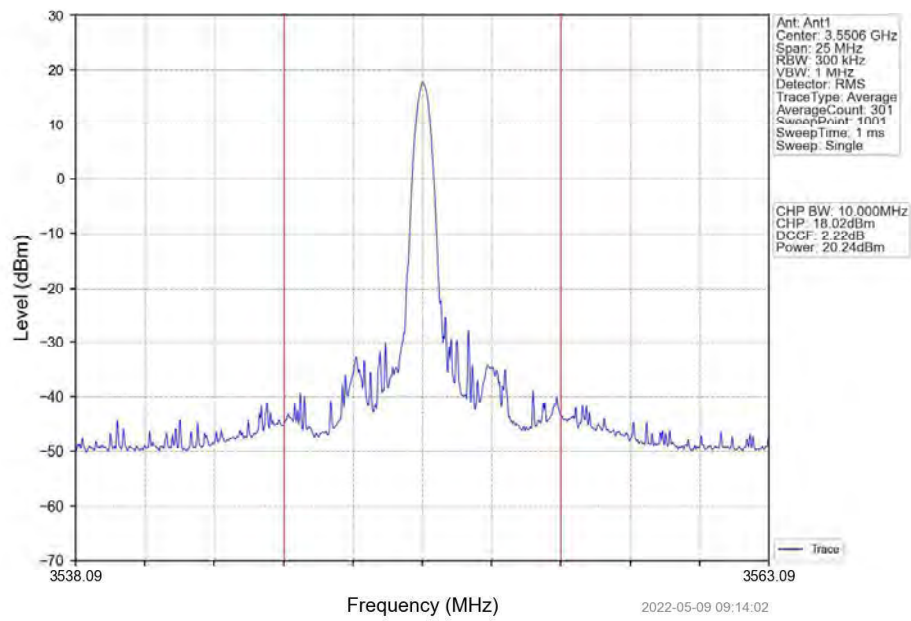
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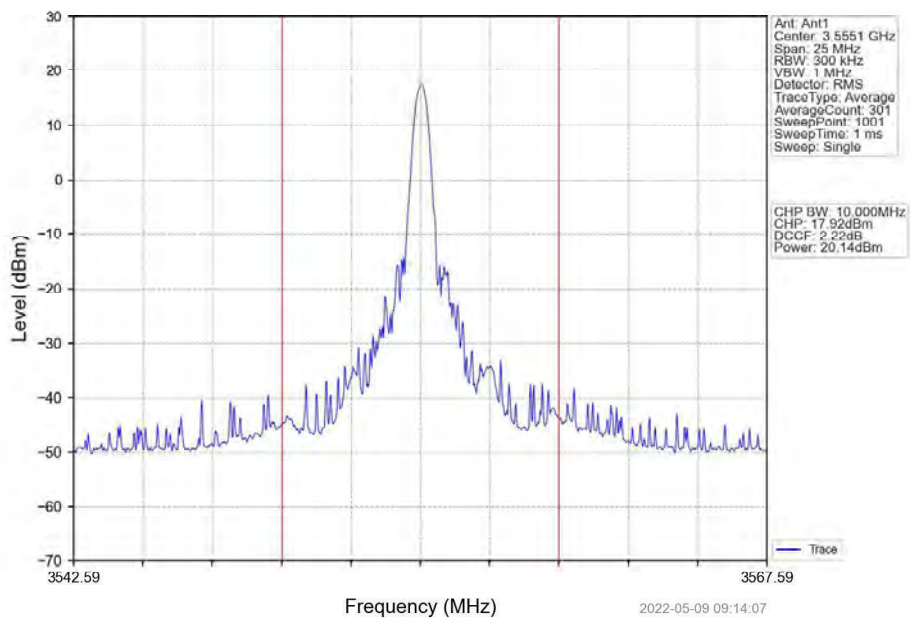
Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_50\_0\_NTNV



Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_0\_NTNV



Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_25\_NTNV



Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_49\_NTNV

