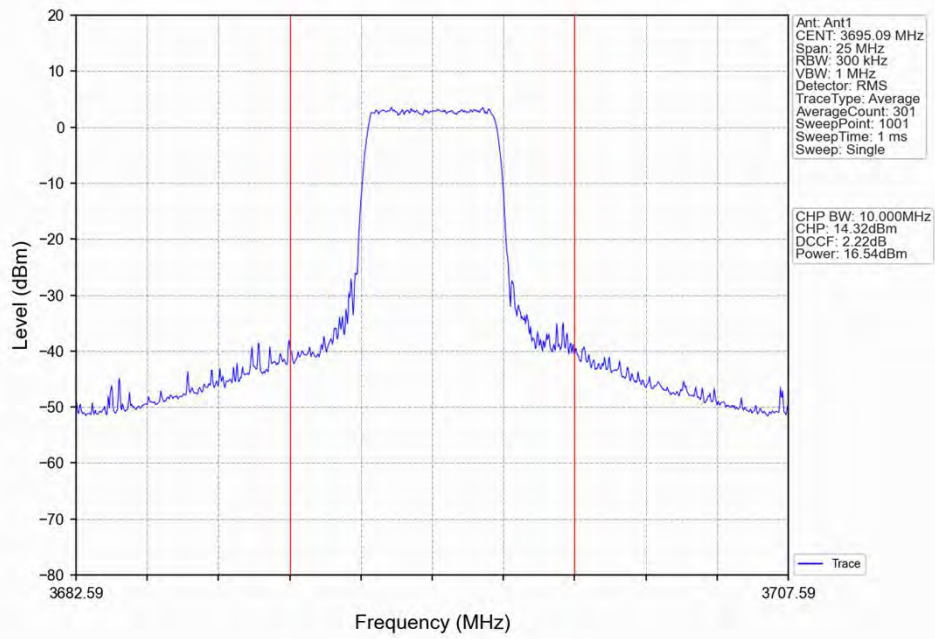
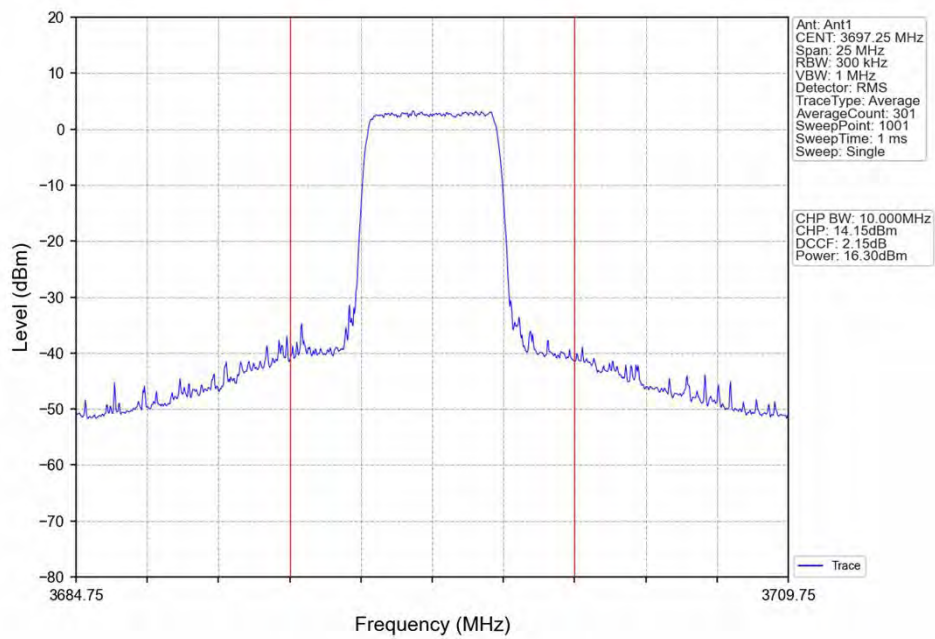


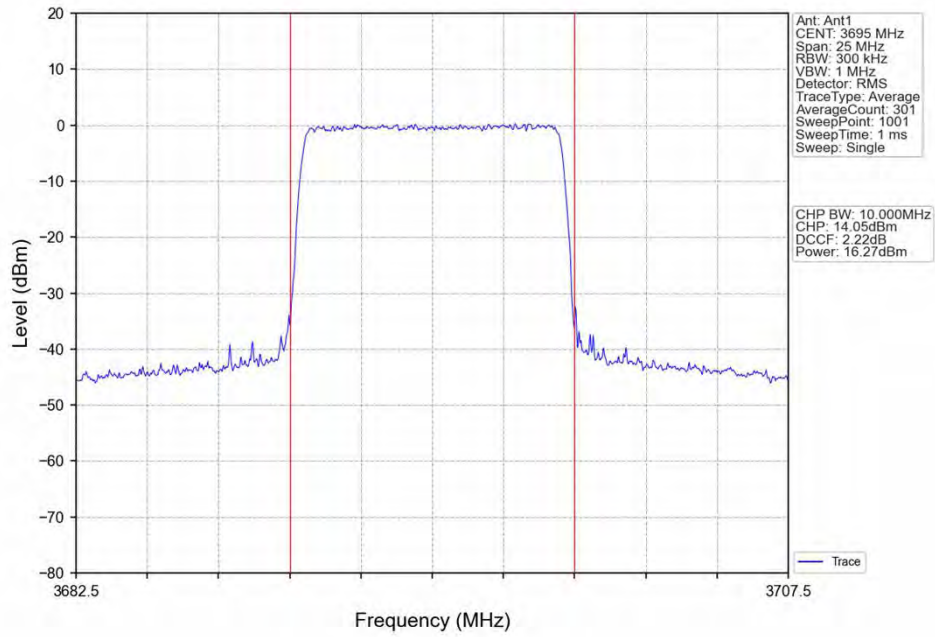
Band48\_10MHz\_64QAM\_HCH\_3695MHz\_RB\_25\_13\_NTNV



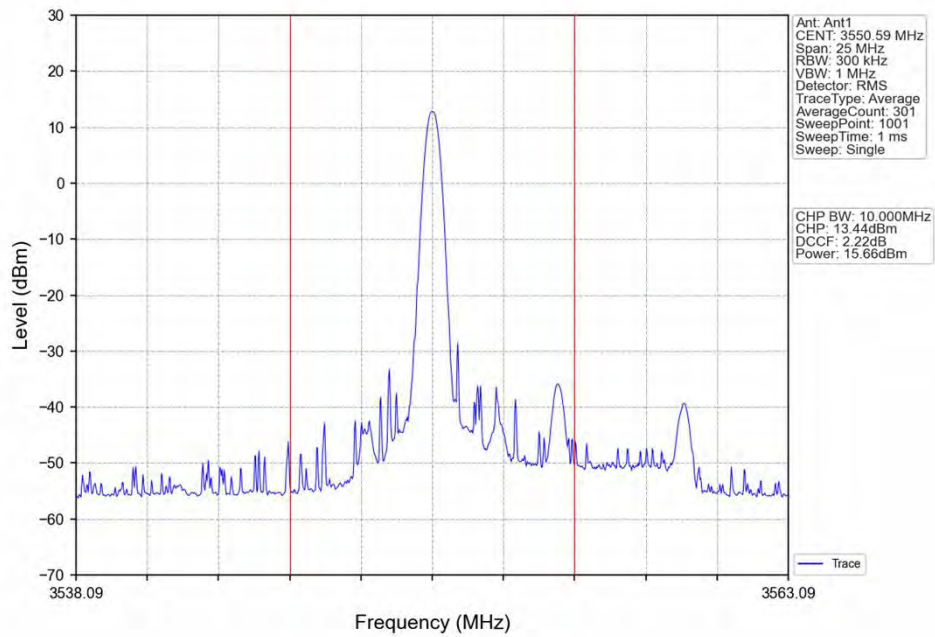
Band48\_10MHz\_64QAM\_HCH\_3695MHz\_RB\_25\_25\_NTNV



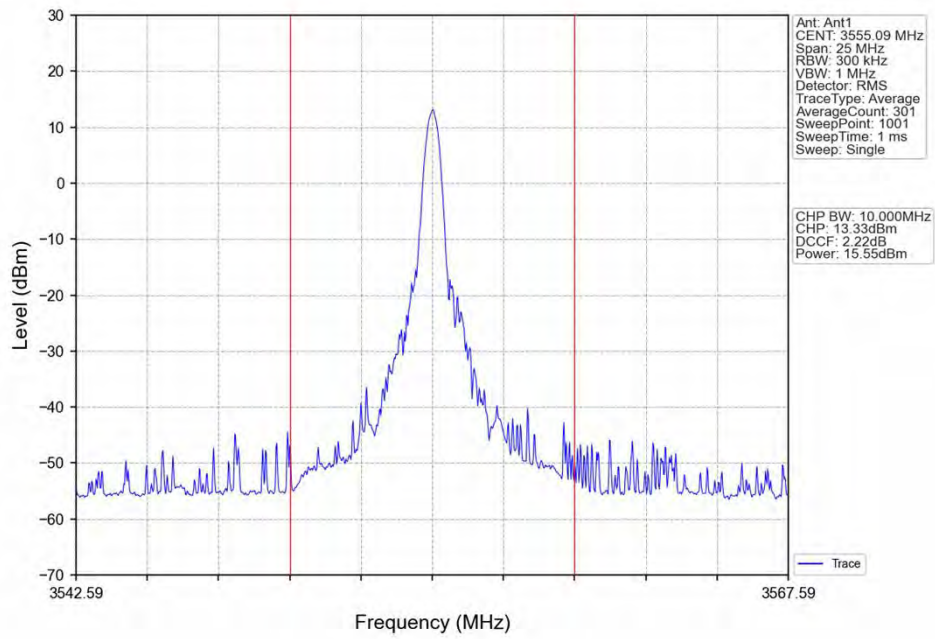
Band48 10MHz 64QAM HCH 3695MHz RB 50 0 NTNV



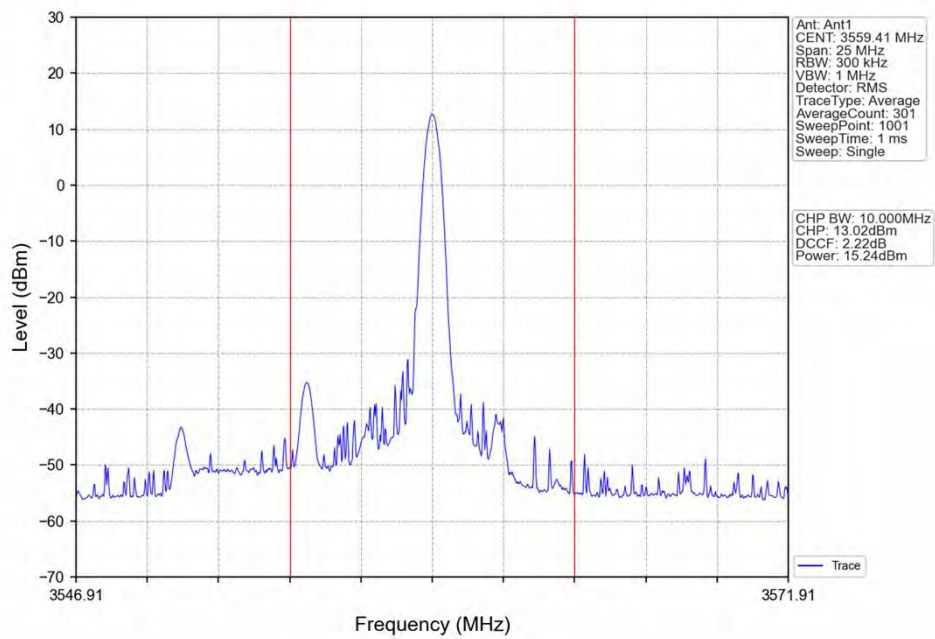
Band48 10MHz 256QAM LCH 3555MHz RB 1 0 NTNV



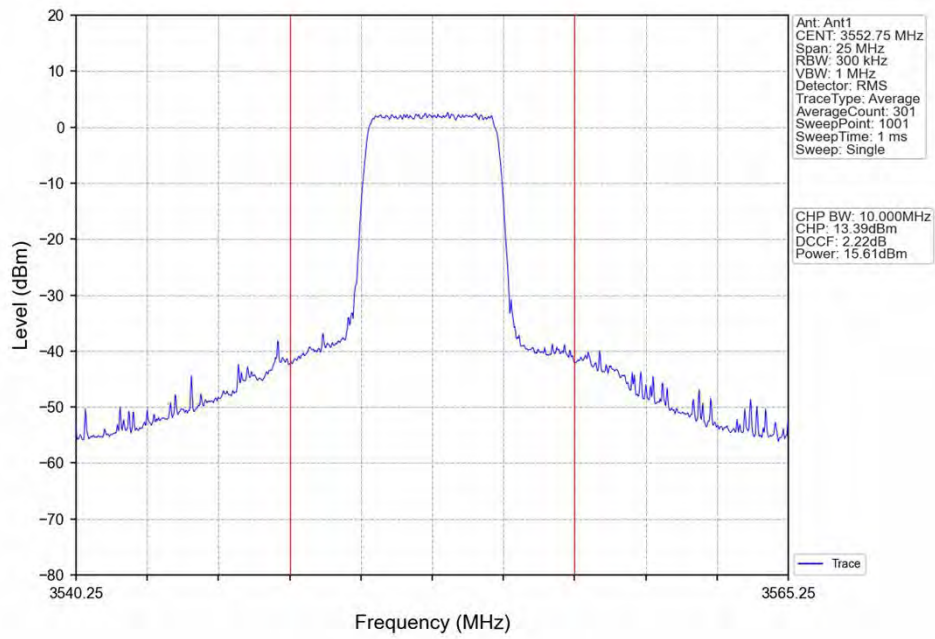
Band48\_10MHz\_256QAM\_LCH\_3555MHz\_RB\_1\_25\_NTNV



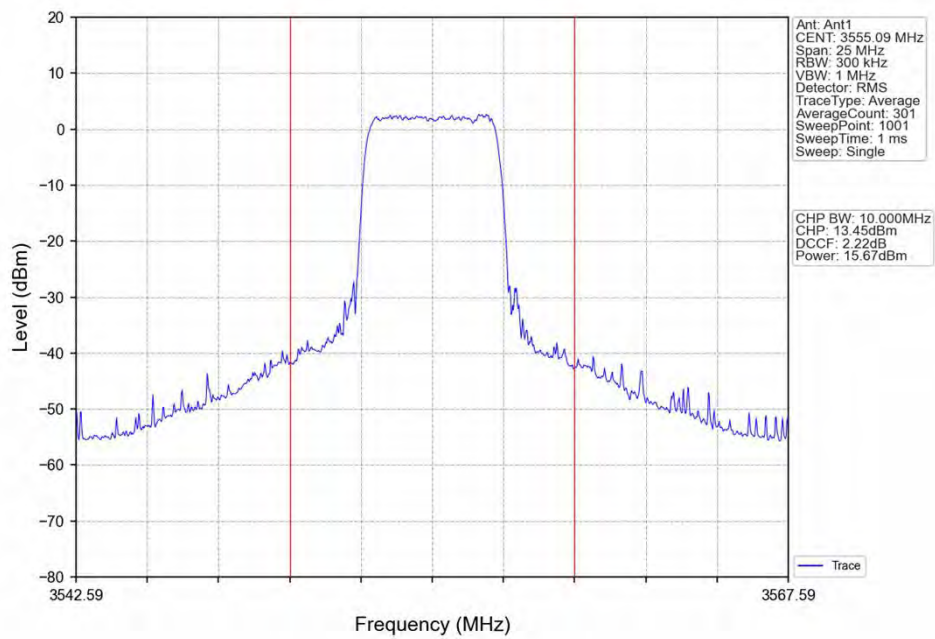
Band48\_10MHz\_256QAM\_LCH\_3555MHz\_RB\_1\_49\_NTNV



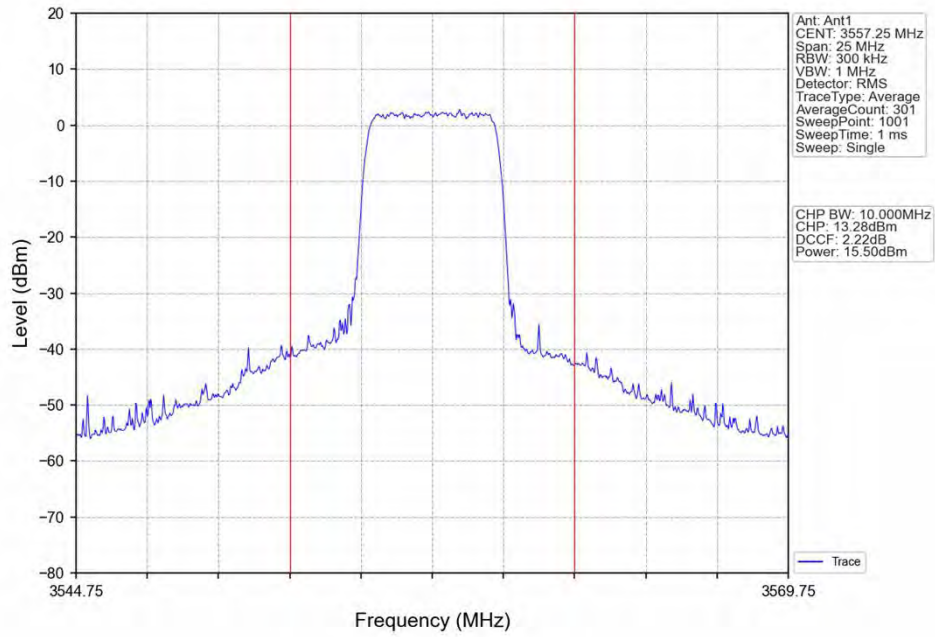
Band48\_10MHz\_256QAM\_LCH\_3555MHz\_RB\_25\_0\_NTNV



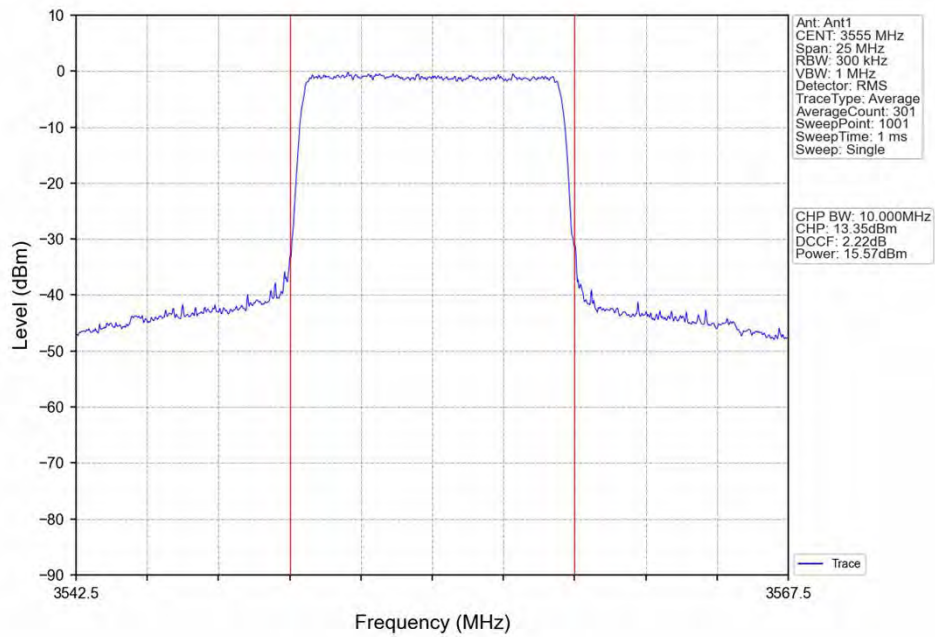
Band48\_10MHz\_256QAM\_LCH\_3555MHz\_RB\_25\_13\_NTNV



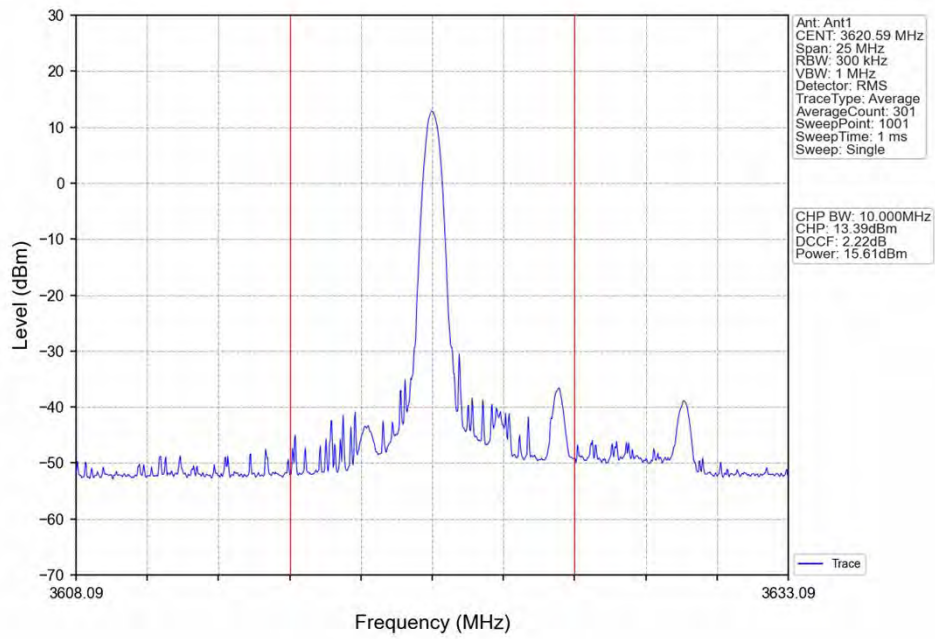
Band48\_10MHz\_256QAM\_LCH\_3555MHz\_RB\_25\_25\_NTNV



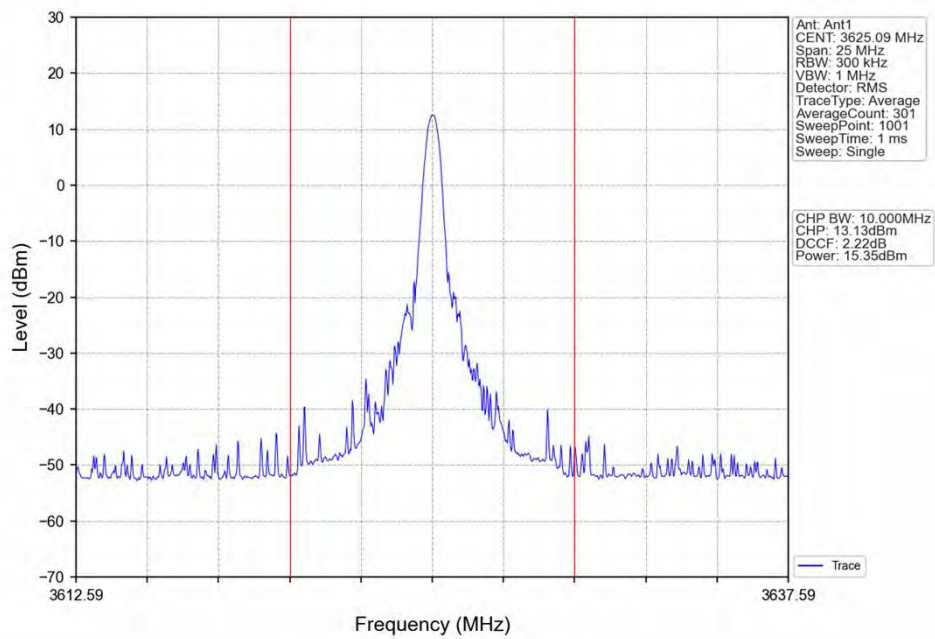
Band48\_10MHz\_256QAM\_LCH\_3555MHz\_RB\_50\_0\_NTNV



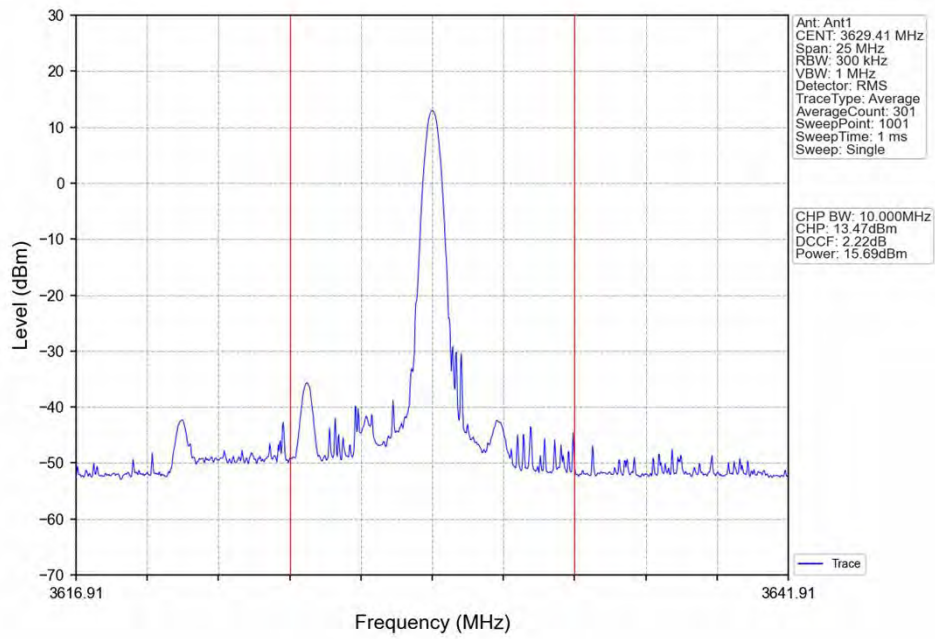
Band48\_10MHz\_256QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



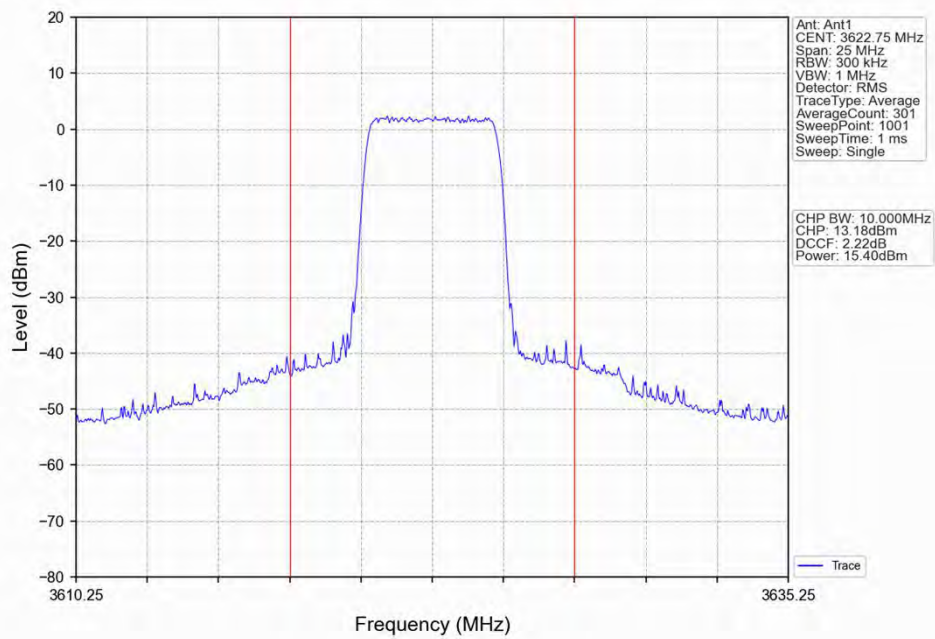
Band48\_10MHz\_256QAM\_MCH\_3625MHz\_RB\_1\_25\_NTNV



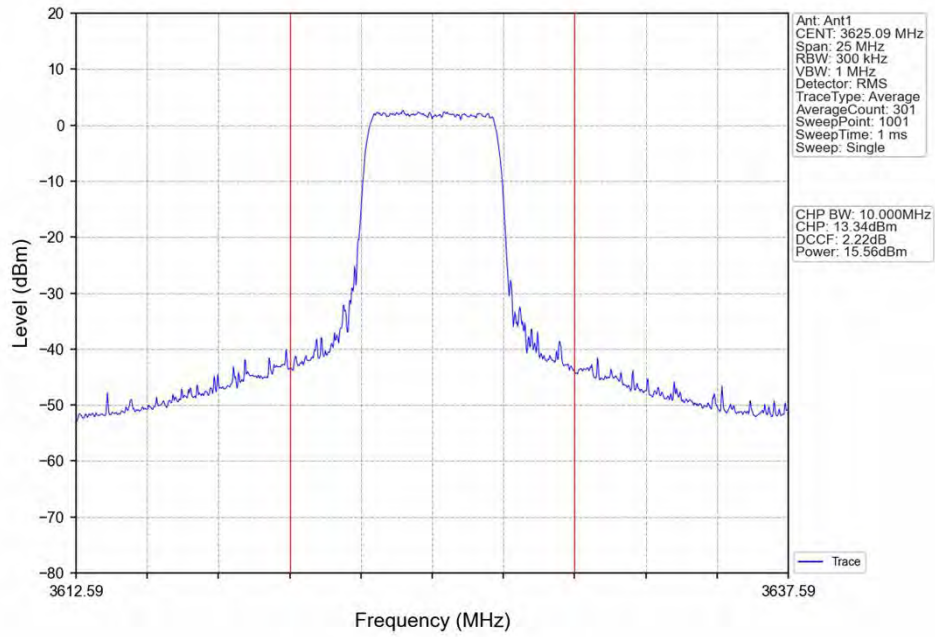
Band48\_10MHz\_256QAM\_MCH\_3625MHz\_RB\_1\_49\_NTNV



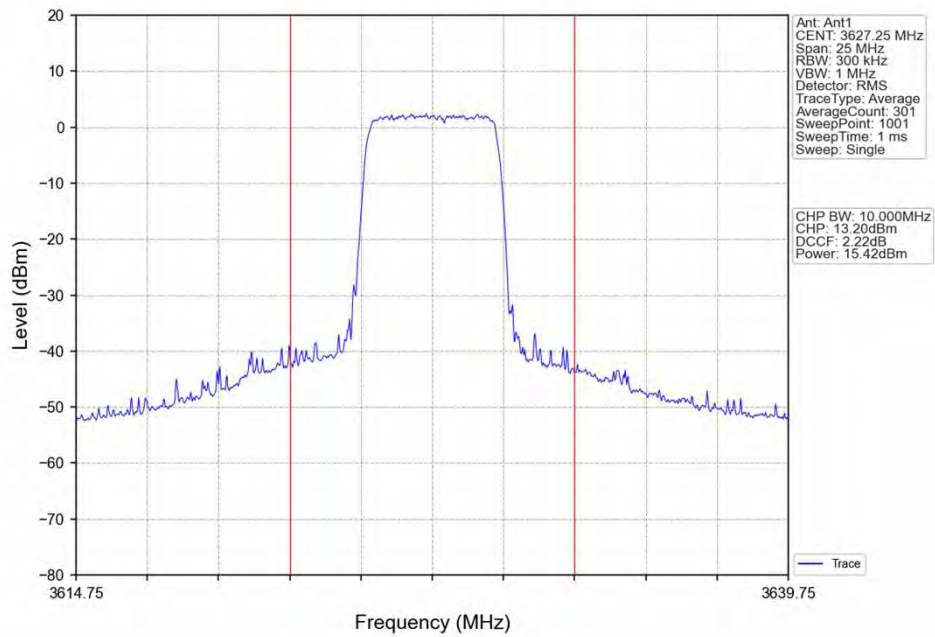
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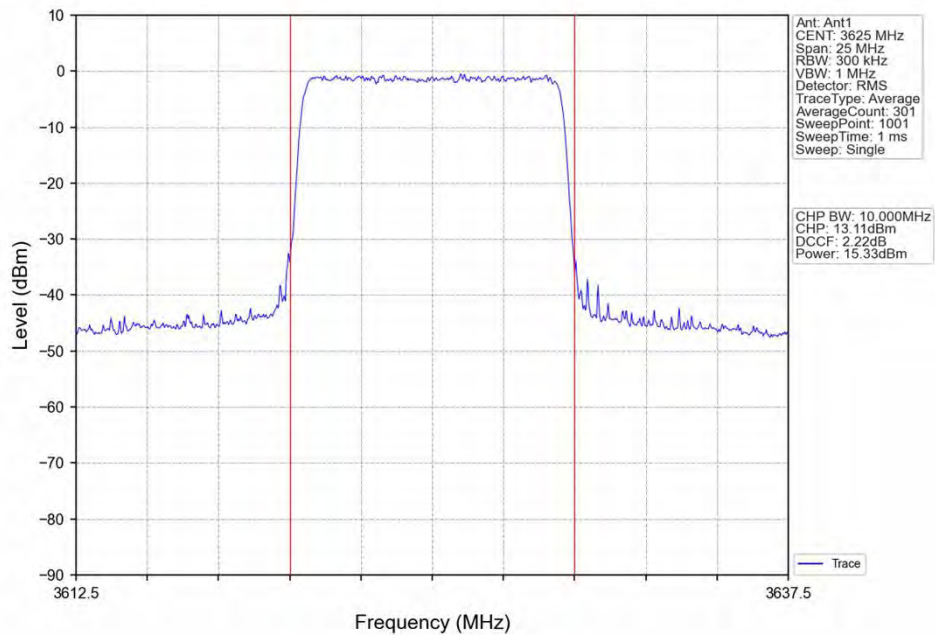
Band48 10MHz 256QAM MCH 3625MHz RB 25 13 NTNV



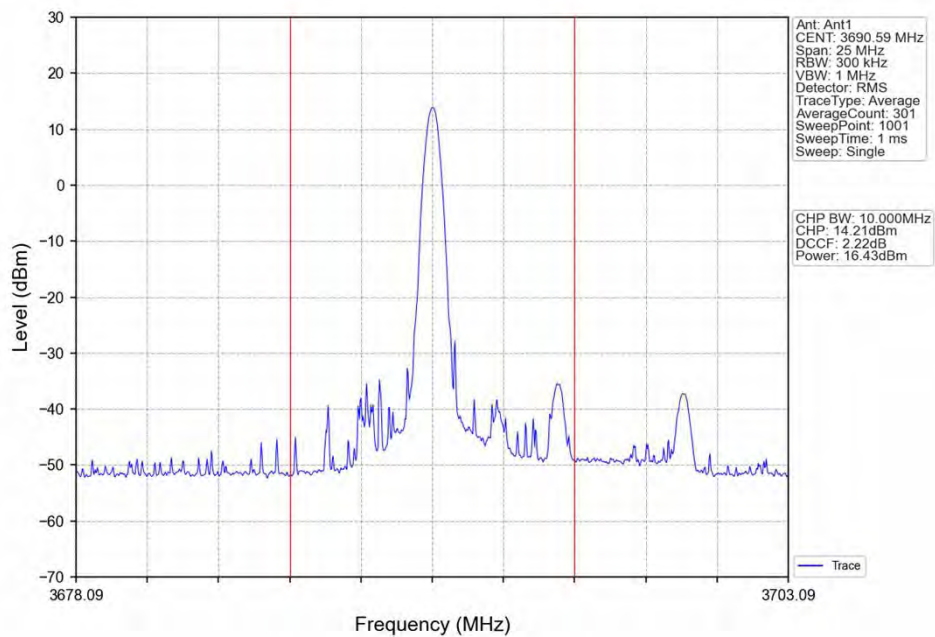
Band48 10MHz 256QAM MCH 3625MHz RB 25 25 NTNV



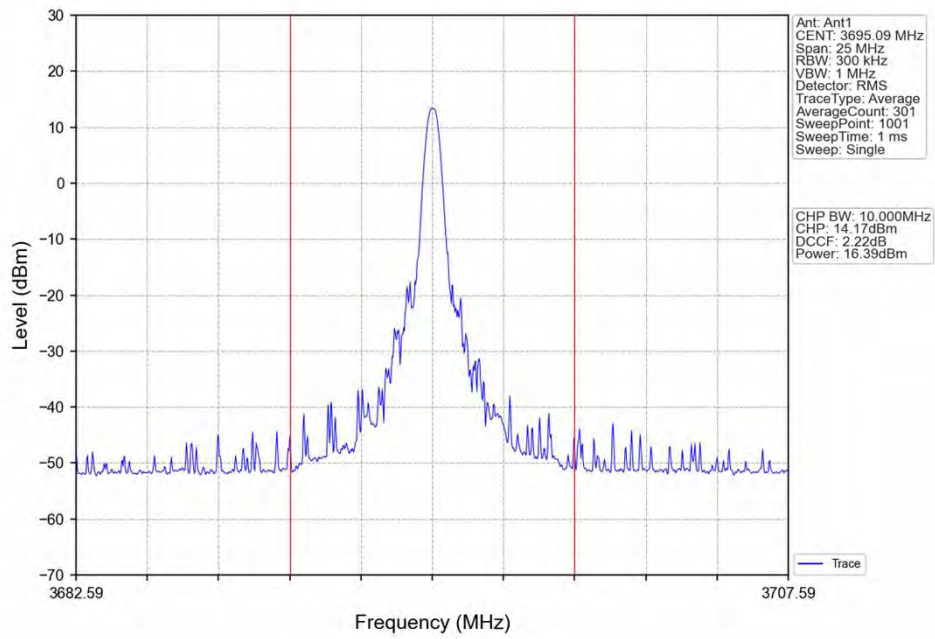
Band48\_10MHz\_256QAM\_MCH\_3625MHz\_RB\_50\_0\_NTNV



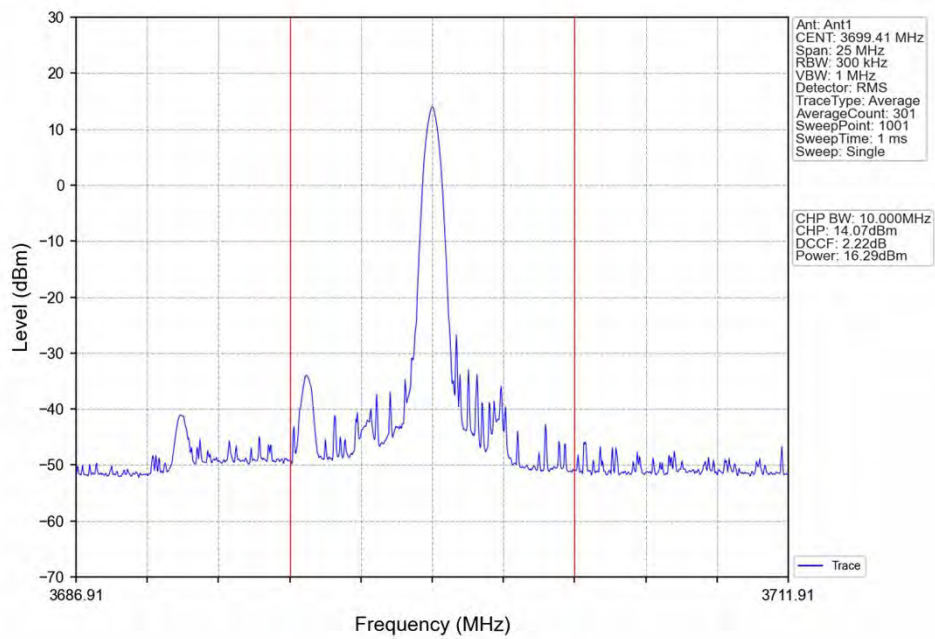
Band48\_10MHz\_256QAM\_HCH\_3695MHz\_RB\_1\_0\_NTNV



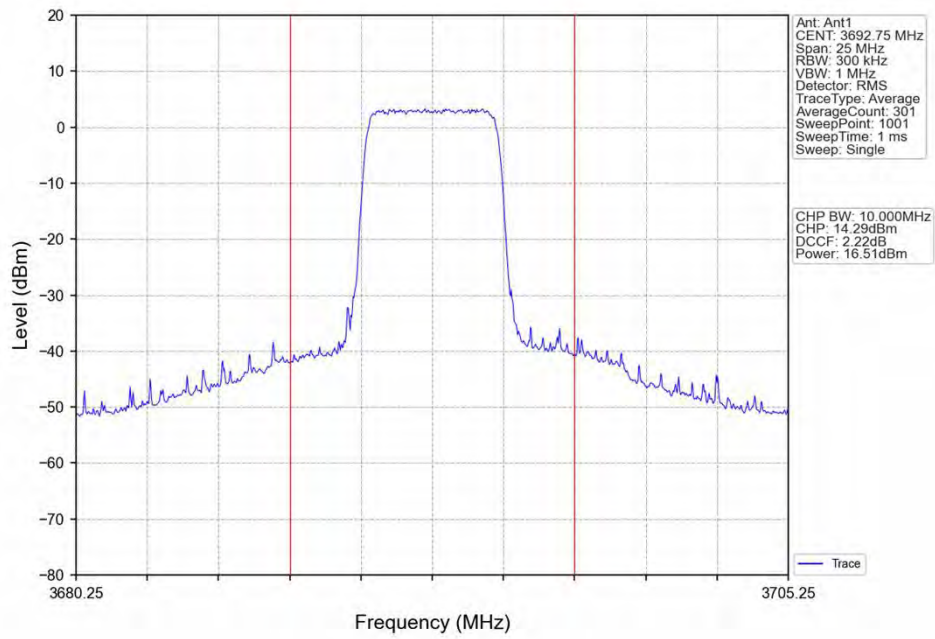
Band48\_10MHz\_256QAM\_HCH\_3695MHz\_RB\_1\_25\_NTNV



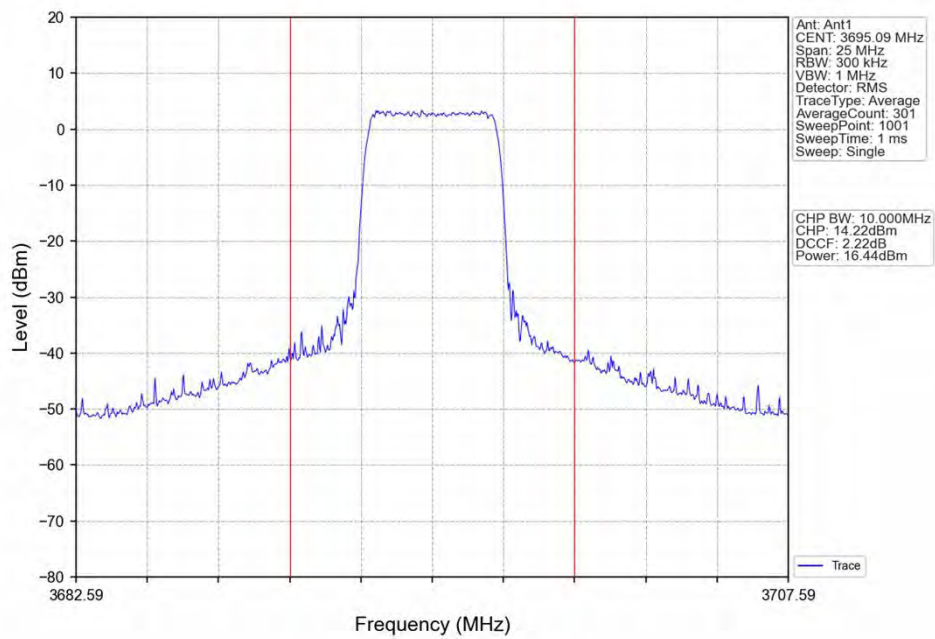
Band48\_10MHz\_256QAM\_HCH\_3695MHz\_RB\_1\_49\_NTNV



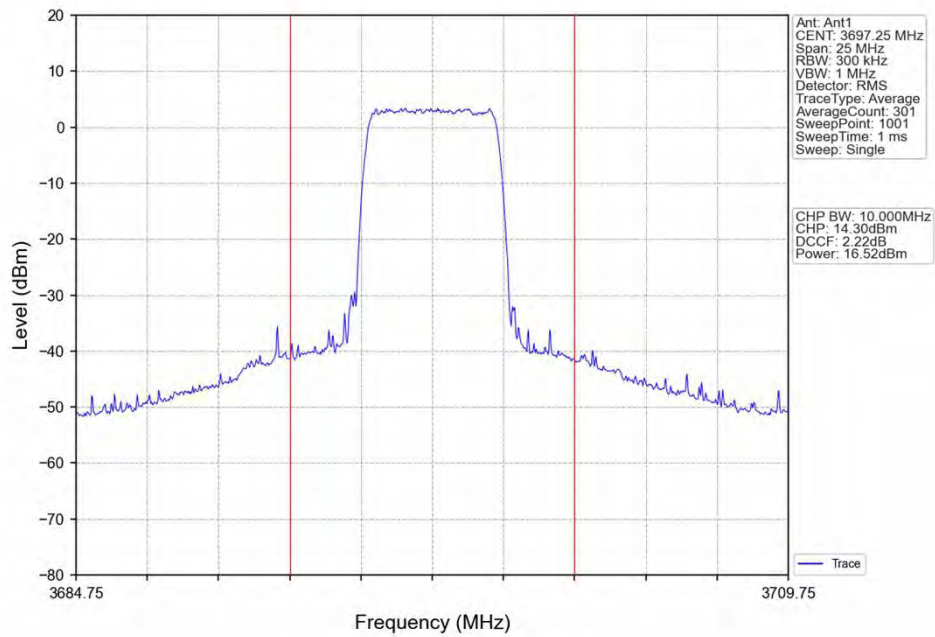
Band48\_10MHz\_256QAM\_HCH\_3695MHz\_RB\_25\_0\_NTNV



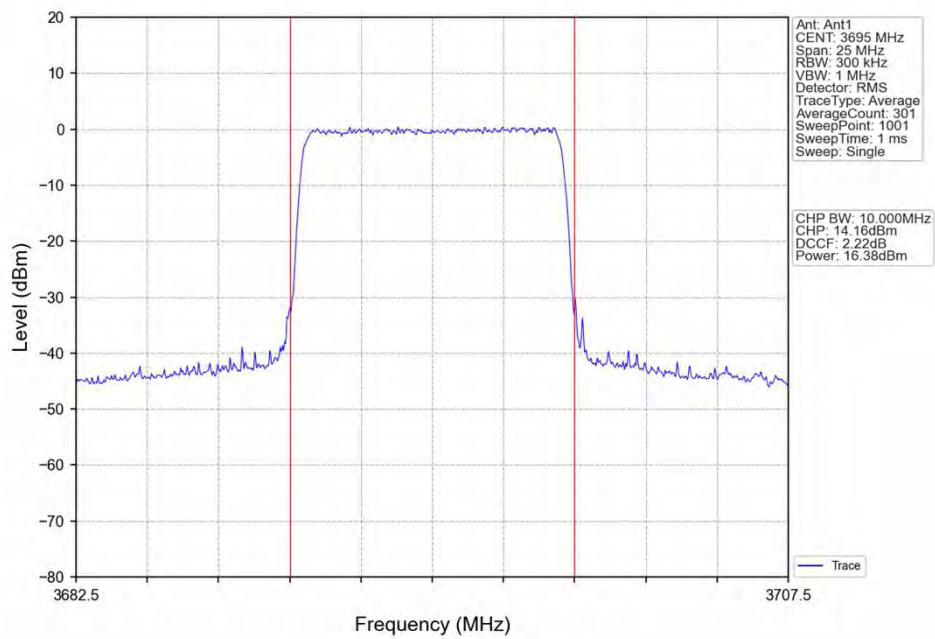
Band48\_10MHz\_256QAM\_HCH\_3695MHz\_RB\_25\_13\_NTNV



Band48\_10MHz\_256QAM\_HCH\_3695MHz\_RB\_25\_25\_NTNV



Band48\_10MHz\_256QAM\_HCH\_3695MHz\_RB\_50\_0\_NTNV



## 1.5 B48\_15MHz\_EIRP

### 1.5.1 Test Result

| Band: 48 / Bandwidth: 15MHz / NTV |                 |               |        |                           |            |                |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------------|------------|----------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm/MHz) | Gain (dBi) | EIRP (dBm/MHz) |       | Verdict |
|                                   |                 | Size          | Offset |                           |            | Result         | Limit |         |
| QPSK                              | 3557.5          | 1             | 0      | 15.33                     | 5.33       | 20.66          | <=23  | Pass    |
|                                   |                 |               | 38     | 15.55                     | 5.33       | 20.88          | <=23  | Pass    |
|                                   |                 |               | 74     | 15.42                     | 5.33       | 20.75          | <=23  | Pass    |
|                                   |                 | 36            | 0      | 15.47                     | 5.33       | 20.80          | <=23  | Pass    |
|                                   |                 |               | 18     | 15.59                     | 5.33       | 20.92          | <=23  | Pass    |
|                                   |                 |               | 39     | 15.52                     | 5.33       | 20.85          | <=23  | Pass    |
|                                   |                 | 75            | 0      | 15.48                     | 5.33       | 20.81          | <=23  | Pass    |
|                                   | 3625            | 1             | 0      | 15.74                     | 5.33       | 21.07          | <=23  | Pass    |
|                                   |                 |               | 38     | 15.74                     | 5.33       | 21.07          | <=23  | Pass    |
|                                   |                 |               | 74     | 15.75                     | 5.33       | 21.08          | <=23  | Pass    |
|                                   |                 | 36            | 0      | 15.72                     | 5.33       | 21.05          | <=23  | Pass    |
|                                   |                 |               | 18     | 15.73                     | 5.33       | 21.06          | <=23  | Pass    |
|                                   |                 |               | 39     | 15.82                     | 5.33       | 21.15          | <=23  | Pass    |
|                                   |                 | 75            | 0      | 15.71                     | 5.33       | 21.04          | <=23  | Pass    |
|                                   | 3692.5          | 1             | 0      | 16.12                     | 5.33       | 21.45          | <=23  | Pass    |
|                                   |                 |               | 38     | 16.38                     | 5.33       | 21.71          | <=23  | Pass    |
|                                   |                 |               | 74     | 16.38                     | 5.33       | 21.71          | <=23  | Pass    |
|                                   |                 | 36            | 0      | 16.29                     | 5.33       | 21.62          | <=23  | Pass    |
|                                   |                 |               | 18     | 16.35                     | 5.33       | 21.68          | <=23  | Pass    |
|                                   |                 |               | 39     | 16.36                     | 5.33       | 21.69          | <=23  | Pass    |
|                                   |                 | 75            | 0      | 16.34                     | 5.33       | 21.67          | <=23  | Pass    |
| 16QAM                             | 3557.5          | 1             | 0      | 15.34                     | 5.33       | 20.67          | <=23  | Pass    |
|                                   |                 |               | 38     | 15.47                     | 5.33       | 20.80          | <=23  | Pass    |
|                                   |                 |               | 74     | 15.32                     | 5.33       | 20.65          | <=23  | Pass    |
|                                   |                 | 36            | 0      | 15.51                     | 5.33       | 20.84          | <=23  | Pass    |
|                                   |                 |               | 18     | 15.58                     | 5.33       | 20.91          | <=23  | Pass    |
|                                   |                 |               | 39     | 15.60                     | 5.33       | 20.93          | <=23  | Pass    |
|                                   |                 | 75            | 0      | 15.59                     | 5.33       | 20.92          | <=23  | Pass    |
|                                   | 3625            | 1             | 0      | 15.61                     | 5.33       | 20.94          | <=23  | Pass    |
|                                   |                 |               | 38     | 15.57                     | 5.33       | 20.90          | <=23  | Pass    |
|                                   |                 |               | 74     | 15.68                     | 5.33       | 21.01          | <=23  | Pass    |
|                                   |                 | 36            | 0      | 15.60                     | 5.33       | 20.93          | <=23  | Pass    |
|                                   |                 |               | 18     | 15.67                     | 5.33       | 21.00          | <=23  | Pass    |
|                                   |                 |               | 39     | 15.68                     | 5.33       | 21.01          | <=23  | Pass    |
|                                   |                 | 75            | 0      | 15.68                     | 5.33       | 21.01          | <=23  | Pass    |
|                                   | 3692.5          | 1             | 0      | 16.26                     | 5.33       | 21.59          | <=23  | Pass    |
|                                   |                 |               | 38     | 16.43                     | 5.33       | 21.76          | <=23  | Pass    |
|                                   |                 |               | 74     | 16.47                     | 5.33       | 21.80          | <=23  | Pass    |
|                                   |                 | 36            | 0      | 16.30                     | 5.33       | 21.63          | <=23  | Pass    |
|                                   |                 |               | 18     | 16.24                     | 5.33       | 21.57          | <=23  | Pass    |
|                                   |                 |               | 39     | 16.39                     | 5.33       | 21.72          | <=23  | Pass    |
|                                   |                 | 75            | 0      | 16.36                     | 5.33       | 21.69          | <=23  | Pass    |
| 64QAM                             | 3557.5          | 1             | 0      | 16.36                     | 5.33       | 21.69          | <=23  | Pass    |
|                                   |                 |               | 38     | 16.71                     | 5.33       | 22.04          | <=23  | Pass    |
|                                   |                 |               | 74     | 16.41                     | 5.33       | 21.74          | <=23  | Pass    |
|                                   |                 | 36            | 0      | 16.39                     | 5.33       | 21.72          | <=23  | Pass    |
|                                   |                 |               | 18     | 16.51                     | 5.33       | 21.84          | <=23  | Pass    |
|                                   |                 |               | 39     | 16.60                     | 5.33       | 21.93          | <=23  | Pass    |
|                                   |                 | 75            | 0      | 16.56                     | 5.33       | 21.89          | <=23  | Pass    |

|                                          |        |    |    |       |      |       |      |      |
|------------------------------------------|--------|----|----|-------|------|-------|------|------|
|                                          | 3625   | 1  | 0  | 17.07 | 5.33 | 22.40 | <=23 | Pass |
|                                          |        |    | 38 | 16.76 | 5.33 | 22.09 | <=23 | Pass |
|                                          |        |    | 74 | 17.00 | 5.33 | 22.33 | <=23 | Pass |
|                                          |        | 36 | 0  | 17.00 | 5.33 | 22.33 | <=23 | Pass |
|                                          |        |    | 18 | 16.98 | 5.33 | 22.31 | <=23 | Pass |
|                                          |        |    | 39 | 16.93 | 5.33 | 22.26 | <=23 | Pass |
|                                          |        | 75 | 0  | 16.95 | 5.33 | 22.28 | <=23 | Pass |
|                                          | 3692.5 | 1  | 0  | 17.27 | 5.33 | 22.60 | <=23 | Pass |
|                                          |        |    | 38 | 17.38 | 5.33 | 22.71 | <=23 | Pass |
|                                          |        |    | 74 | 17.44 | 5.33 | 22.77 | <=23 | Pass |
|                                          |        | 36 | 0  | 17.14 | 5.33 | 22.47 | <=23 | Pass |
|                                          |        |    | 18 | 17.32 | 5.33 | 22.65 | <=23 | Pass |
|                                          |        |    | 39 | 17.45 | 5.33 | 22.78 | <=23 | Pass |
|                                          |        | 75 | 0  | 17.21 | 5.33 | 22.54 | <=23 | Pass |
| 256QAM                                   | 3557.5 | 1  | 0  | 16.17 | 5.33 | 21.50 | <=23 | Pass |
|                                          |        |    | 38 | 16.57 | 5.33 | 21.90 | <=23 | Pass |
|                                          |        |    | 74 | 16.62 | 5.33 | 21.95 | <=23 | Pass |
|                                          |        | 36 | 0  | 16.35 | 5.33 | 21.68 | <=23 | Pass |
|                                          |        |    | 18 | 16.60 | 5.33 | 21.93 | <=23 | Pass |
|                                          |        |    | 39 | 16.63 | 5.33 | 21.96 | <=23 | Pass |
|                                          |        | 75 | 0  | 16.63 | 5.33 | 21.96 | <=23 | Pass |
|                                          | 3625   | 1  | 0  | 16.85 | 5.33 | 22.18 | <=23 | Pass |
|                                          |        |    | 38 | 16.90 | 5.33 | 22.23 | <=23 | Pass |
|                                          |        |    | 74 | 17.03 | 5.33 | 22.36 | <=23 | Pass |
|                                          |        | 36 | 0  | 17.01 | 5.33 | 22.34 | <=23 | Pass |
|                                          |        |    | 18 | 16.97 | 5.33 | 22.30 | <=23 | Pass |
|                                          |        |    | 39 | 16.93 | 5.33 | 22.26 | <=23 | Pass |
|                                          |        | 75 | 0  | 16.89 | 5.33 | 22.22 | <=23 | Pass |
|                                          | 3692.5 | 1  | 0  | 17.21 | 5.33 | 22.54 | <=23 | Pass |
|                                          |        |    | 38 | 17.33 | 5.33 | 22.66 | <=23 | Pass |
|                                          |        |    | 74 | 17.29 | 5.33 | 22.62 | <=23 | Pass |
|                                          |        | 36 | 0  | 17.19 | 5.33 | 22.52 | <=23 | Pass |
|                                          |        |    | 18 | 17.31 | 5.33 | 22.64 | <=23 | Pass |
|                                          |        |    | 39 | 17.35 | 5.33 | 22.68 | <=23 | Pass |
|                                          |        | 75 | 0  | 17.23 | 5.33 | 22.56 | <=23 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |        |    |    |       |      |       |      |      |

## 1.6 B48\_15MHz\_EIRP/10MHz

### 1.6.1 Test Result

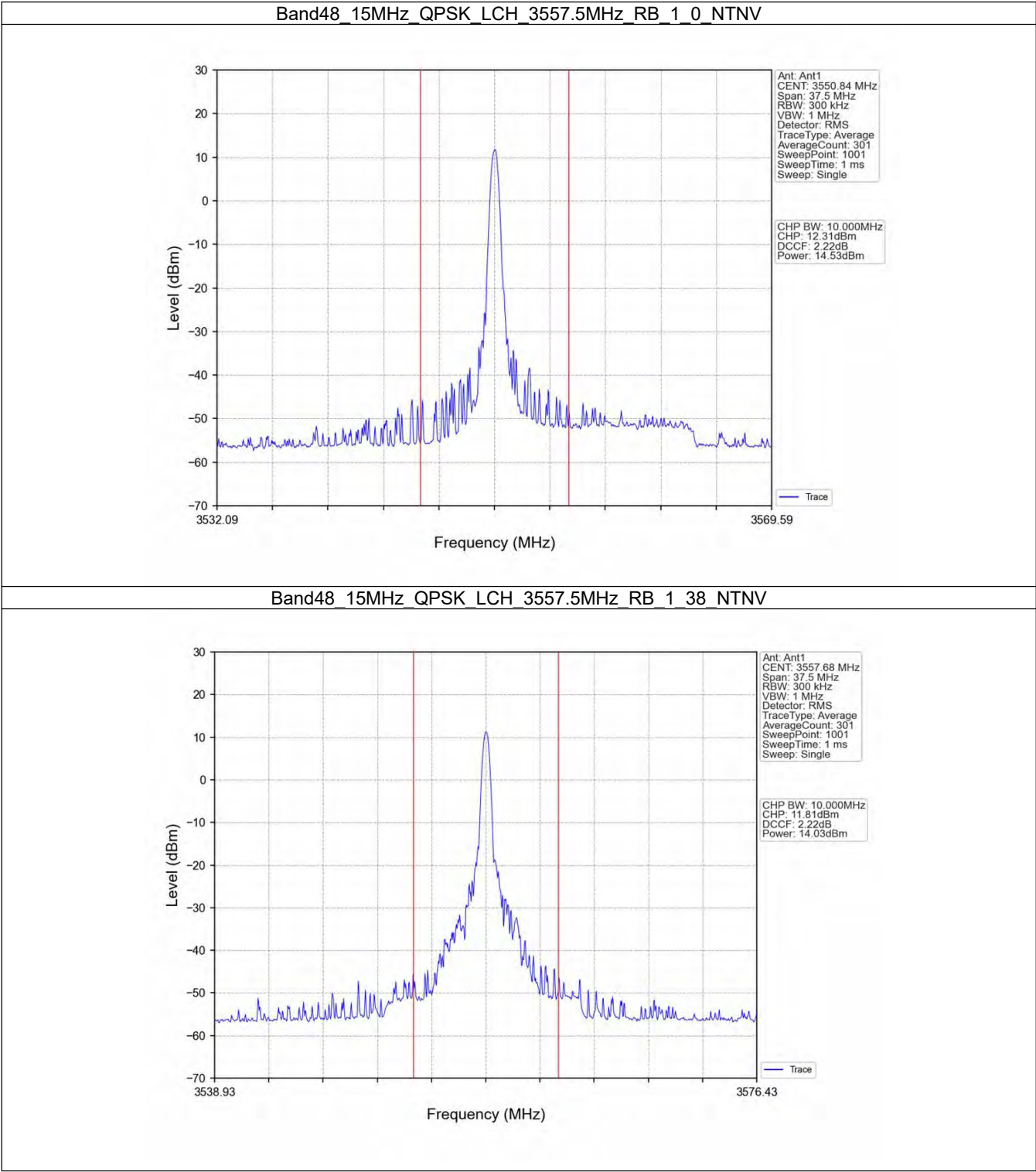
| Band: 48 / Bandwidth: 15MHz / NTV |                 |               |        |                             |            |                        |       |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------------|------------|------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm/10MHz) | Gain (dBi) | EIRP/10MHz (dBm/10MHz) |       | Verdict |
|                                   |                 | Size          | Offset |                             |            | Result                 | Limit |         |
| QPSK                              | 3557.5          | 1             | 0      | 14.53                       | 5.33       | 19.86                  | <=23  | Pass    |
|                                   |                 |               | 38     | 14.03                       | 5.33       | 19.36                  | <=23  | Pass    |
|                                   |                 |               | 74     | 14.36                       | 5.33       | 19.69                  | <=23  | Pass    |
|                                   |                 | 36            | 0      | 14.54                       | 5.33       | 19.87                  | <=23  | Pass    |
|                                   |                 |               | 18     | 14.37                       | 5.33       | 19.70                  | <=23  | Pass    |
|                                   |                 |               | 39     | 14.44                       | 5.33       | 19.77                  | <=23  | Pass    |
|                                   |                 | 75            | 0      | 13.18                       | 5.33       | 18.51                  | <=23  | Pass    |
|                                   | 3625            | 1             | 0      | 14.80                       | 5.33       | 20.13                  | <=23  | Pass    |
|                                   |                 |               | 38     | 14.39                       | 5.33       | 19.72                  | <=23  | Pass    |
|                                   |                 |               | 74     | 14.55                       | 5.33       | 19.88                  | <=23  | Pass    |
|                                   |                 | 36            | 0      | 14.50                       | 5.33       | 19.83                  | <=23  | Pass    |
|                                   |                 |               | 18     | 14.58                       | 5.33       | 19.91                  | <=23  | Pass    |
|                                   |                 |               | 39     | 14.74                       | 5.33       | 20.07                  | <=23  | Pass    |

|        |        |    |    |       |      |       |      |      |
|--------|--------|----|----|-------|------|-------|------|------|
|        | 3692.5 | 75 | 0  | 13.38 | 5.33 | 18.71 | <=23 | Pass |
|        |        | 1  | 0  | 15.42 | 5.33 | 20.75 | <=23 | Pass |
|        |        |    | 38 | 15.37 | 5.33 | 20.70 | <=23 | Pass |
|        |        |    | 74 | 15.55 | 5.33 | 20.88 | <=23 | Pass |
|        |        | 36 | 0  | 15.33 | 5.33 | 20.66 | <=23 | Pass |
|        |        |    | 18 | 15.64 | 5.33 | 20.97 | <=23 | Pass |
|        |        |    | 39 | 15.74 | 5.33 | 21.07 | <=23 | Pass |
| 16QAM  | 3557.5 | 75 | 0  | 14.22 | 5.33 | 19.55 | <=23 | Pass |
|        |        | 1  | 0  | 14.22 | 5.33 | 19.55 | <=23 | Pass |
|        |        |    | 38 | 14.26 | 5.33 | 19.59 | <=23 | Pass |
|        |        |    | 74 | 13.92 | 5.33 | 19.25 | <=23 | Pass |
|        |        | 36 | 0  | 14.48 | 5.33 | 19.81 | <=23 | Pass |
|        |        |    | 18 | 14.42 | 5.33 | 19.75 | <=23 | Pass |
|        |        |    | 39 | 14.33 | 5.33 | 19.66 | <=23 | Pass |
|        | 3625   | 75 | 0  | 13.30 | 5.33 | 18.63 | <=23 | Pass |
|        |        | 1  | 0  | 14.51 | 5.33 | 19.84 | <=23 | Pass |
|        |        |    | 38 | 14.33 | 5.33 | 19.66 | <=23 | Pass |
|        |        |    | 74 | 14.55 | 5.33 | 19.88 | <=23 | Pass |
|        |        | 36 | 0  | 14.52 | 5.33 | 19.85 | <=23 | Pass |
|        |        |    | 18 | 14.49 | 5.33 | 19.82 | <=23 | Pass |
|        |        |    | 39 | 14.51 | 5.33 | 19.84 | <=23 | Pass |
|        |        | 75 | 0  | 13.09 | 5.33 | 18.42 | <=23 | Pass |
|        | 3692.5 | 1  | 0  | 15.37 | 5.33 | 20.70 | <=23 | Pass |
|        |        |    | 38 | 15.37 | 5.33 | 20.70 | <=23 | Pass |
|        |        |    | 74 | 16.16 | 5.33 | 21.49 | <=23 | Pass |
|        |        | 36 | 0  | 15.72 | 5.33 | 21.05 | <=23 | Pass |
|        |        |    | 18 | 15.39 | 5.33 | 20.72 | <=23 | Pass |
|        |        |    | 39 | 15.66 | 5.33 | 20.99 | <=23 | Pass |
|        |        | 75 | 0  | 14.20 | 5.33 | 19.53 | <=23 | Pass |
| 64QAM  | 3557.5 | 1  | 0  | 15.54 | 5.33 | 20.87 | <=23 | Pass |
|        |        |    | 38 | 15.43 | 5.33 | 20.76 | <=23 | Pass |
|        |        |    | 74 | 15.06 | 5.33 | 20.39 | <=23 | Pass |
|        |        | 36 | 0  | 15.32 | 5.33 | 20.65 | <=23 | Pass |
|        |        |    | 18 | 15.27 | 5.33 | 20.60 | <=23 | Pass |
|        |        |    | 39 | 15.41 | 5.33 | 20.74 | <=23 | Pass |
|        |        | 75 | 0  | 14.11 | 5.33 | 19.44 | <=23 | Pass |
|        | 3625   | 1  | 0  | 15.44 | 5.33 | 20.77 | <=23 | Pass |
|        |        |    | 38 | 15.40 | 5.33 | 20.73 | <=23 | Pass |
|        |        |    | 74 | 15.38 | 5.33 | 20.71 | <=23 | Pass |
|        |        | 36 | 0  | 15.43 | 5.33 | 20.76 | <=23 | Pass |
|        |        |    | 18 | 15.39 | 5.33 | 20.72 | <=23 | Pass |
|        |        |    | 39 | 15.44 | 5.33 | 20.77 | <=23 | Pass |
|        |        | 75 | 0  | 14.03 | 5.33 | 19.36 | <=23 | Pass |
|        | 3692.5 | 1  | 0  | 16.26 | 5.33 | 21.59 | <=23 | Pass |
|        |        |    | 38 | 16.39 | 5.33 | 21.72 | <=23 | Pass |
|        |        |    | 74 | 14.08 | 5.33 | 19.41 | <=23 | Pass |
|        |        | 36 | 0  | 16.11 | 5.33 | 21.44 | <=23 | Pass |
|        |        |    | 18 | 16.21 | 5.33 | 21.54 | <=23 | Pass |
|        |        |    | 39 | 14.04 | 5.33 | 19.37 | <=23 | Pass |
|        |        | 75 | 0  | 15.09 | 5.33 | 20.42 | <=23 | Pass |
| 256QAM | 3557.5 | 1  | 0  | 15.39 | 5.33 | 20.72 | <=23 | Pass |
|        |        |    | 38 | 15.38 | 5.33 | 20.71 | <=23 | Pass |
|        |        |    | 74 | 15.48 | 5.33 | 20.81 | <=23 | Pass |
|        |        | 36 | 0  | 15.38 | 5.33 | 20.71 | <=23 | Pass |
|        |        |    | 18 | 15.46 | 5.33 | 20.79 | <=23 | Pass |
|        |        |    | 39 | 15.37 | 5.33 | 20.70 | <=23 | Pass |
|        |        | 75 | 0  | 14.06 | 5.33 | 19.39 | <=23 | Pass |
|        | 3625   | 1  | 0  | 15.50 | 5.33 | 20.83 | <=23 | Pass |
|        |        |    | 38 | 15.40 | 5.33 | 20.73 | <=23 | Pass |

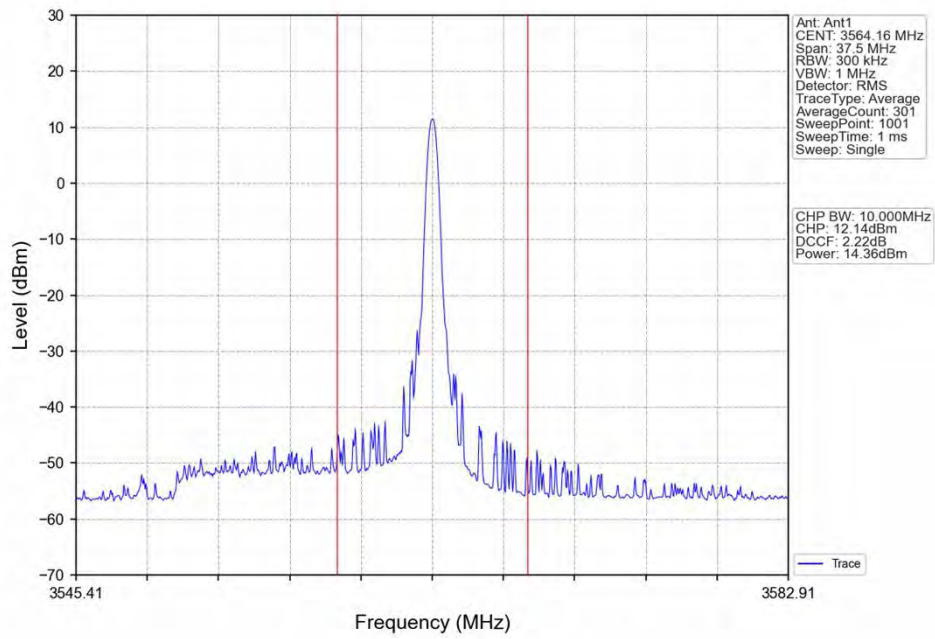
|  |        |    |    |       |      |       |      |      |
|--|--------|----|----|-------|------|-------|------|------|
|  |        | 36 | 74 | 15.56 | 5.33 | 20.89 | <=23 | Pass |
|  |        |    | 0  | 15.41 | 5.33 | 20.74 | <=23 | Pass |
|  |        |    | 18 | 15.32 | 5.33 | 20.65 | <=23 | Pass |
|  |        |    | 39 | 15.44 | 5.33 | 20.77 | <=23 | Pass |
|  |        | 75 | 0  | 14.09 | 5.33 | 19.42 | <=23 | Pass |
|  | 3692.5 | 1  | 0  | 16.04 | 5.33 | 21.37 | <=23 | Pass |
|  |        |    | 38 | 16.22 | 5.33 | 21.55 | <=23 | Pass |
|  |        |    | 74 | 16.41 | 5.33 | 21.74 | <=23 | Pass |
|  |        | 36 | 0  | 15.88 | 5.33 | 21.21 | <=23 | Pass |
|  |        |    | 18 | 16.35 | 5.33 | 21.68 | <=23 | Pass |
|  |        |    | 39 | 16.29 | 5.33 | 21.62 | <=23 | Pass |
|  |        | 75 | 0  | 14.87 | 5.33 | 20.20 | <=23 | Pass |

Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15

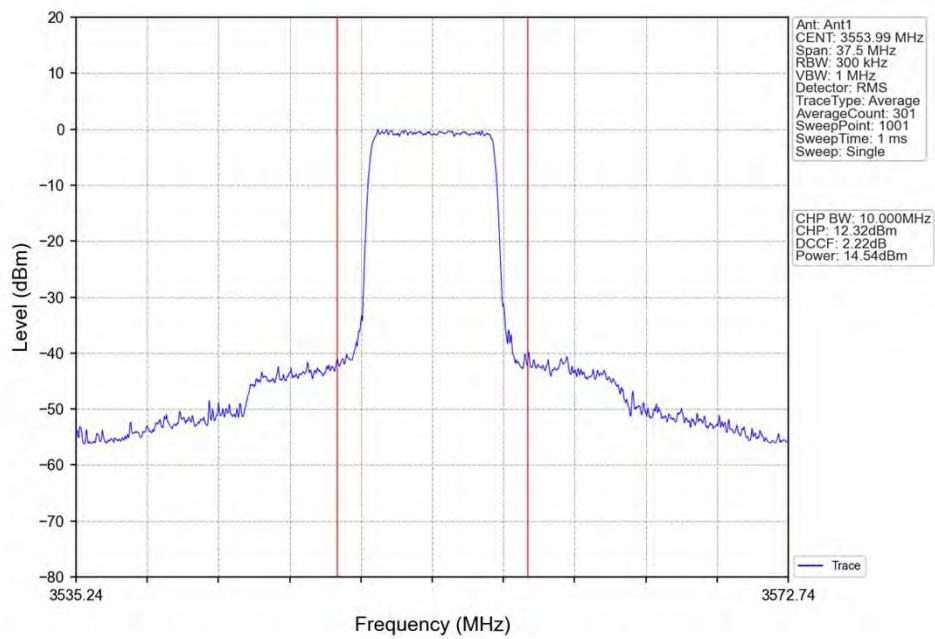
1.6.2 Test Graph



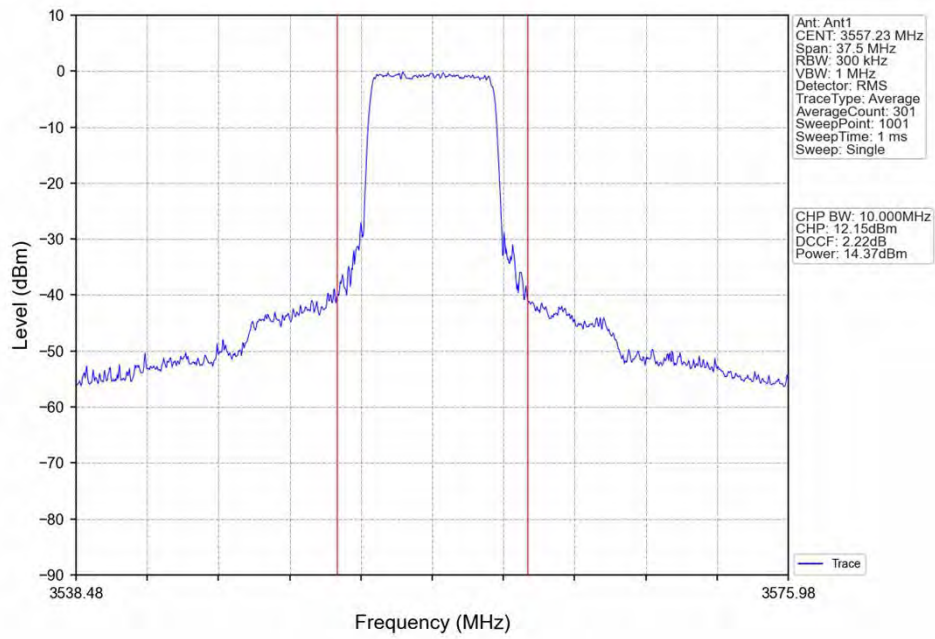
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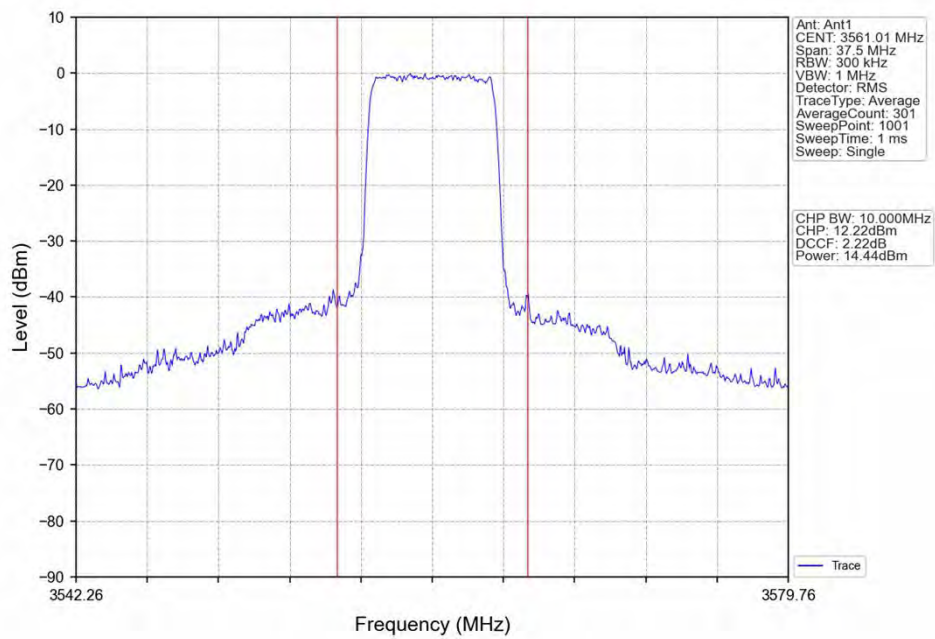
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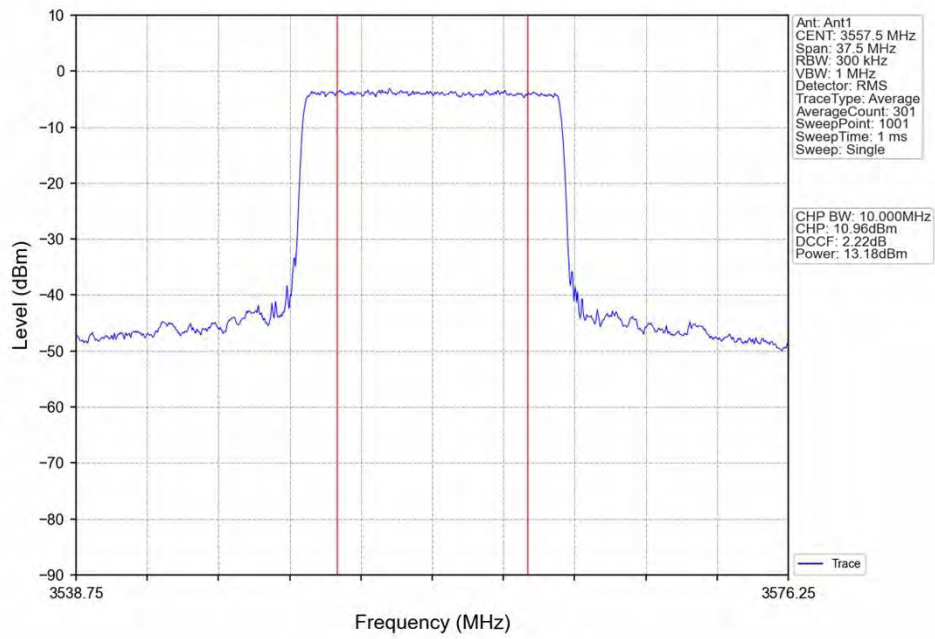
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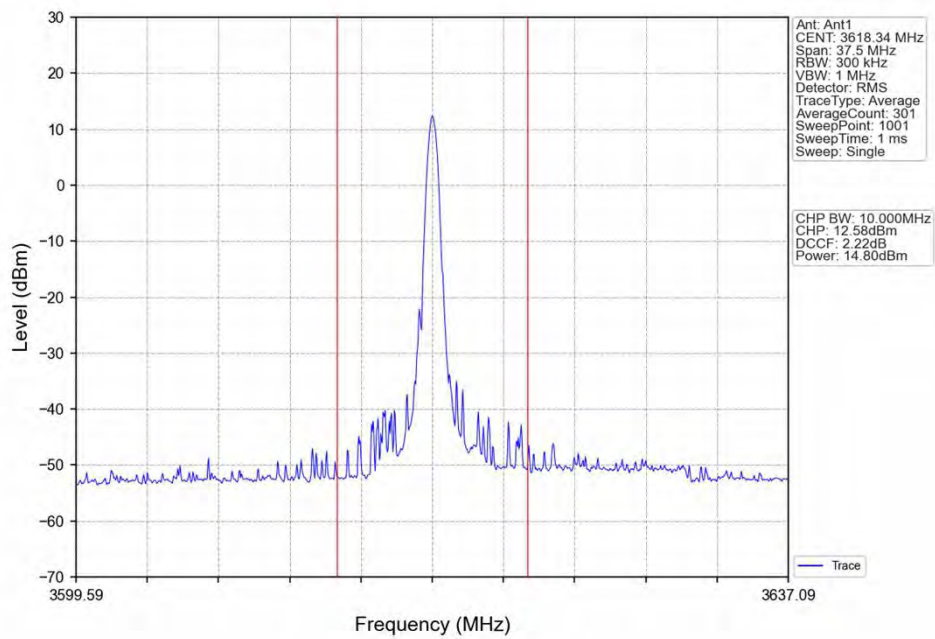
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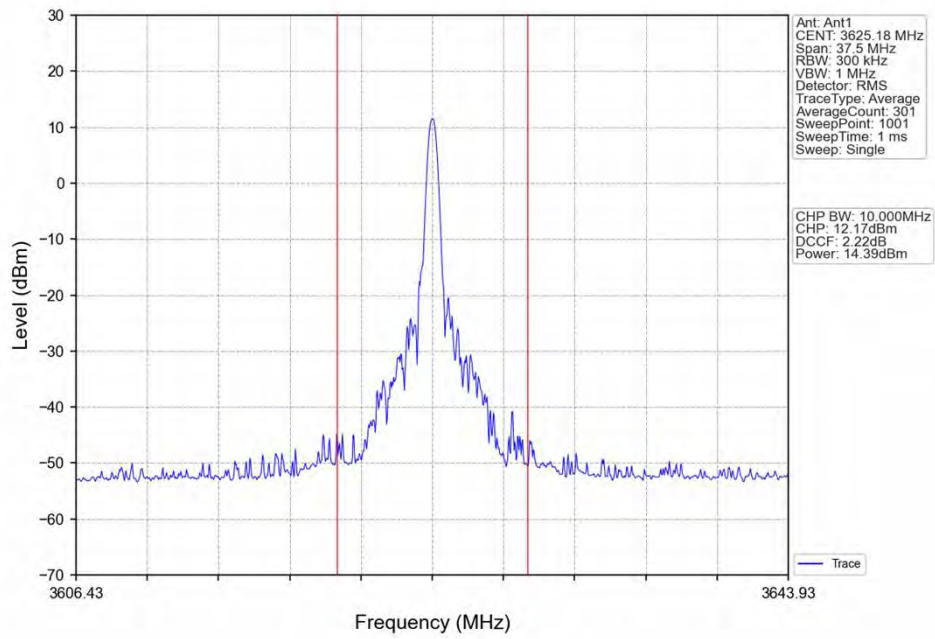
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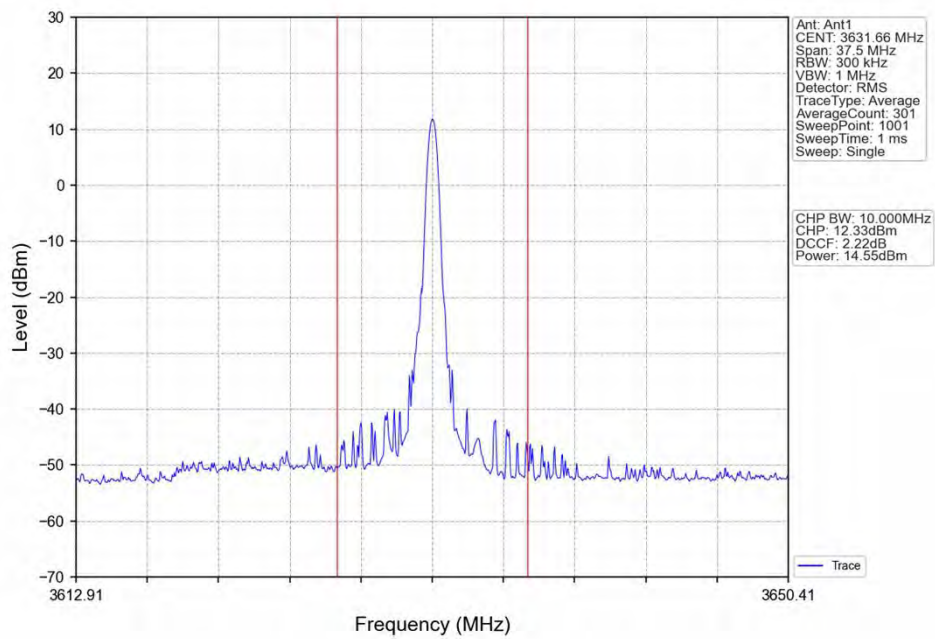
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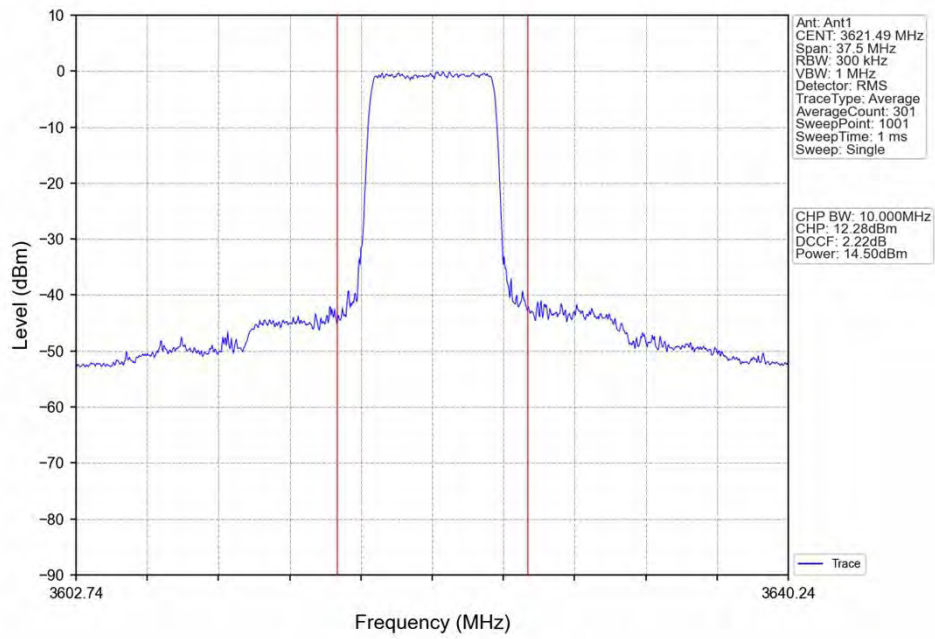
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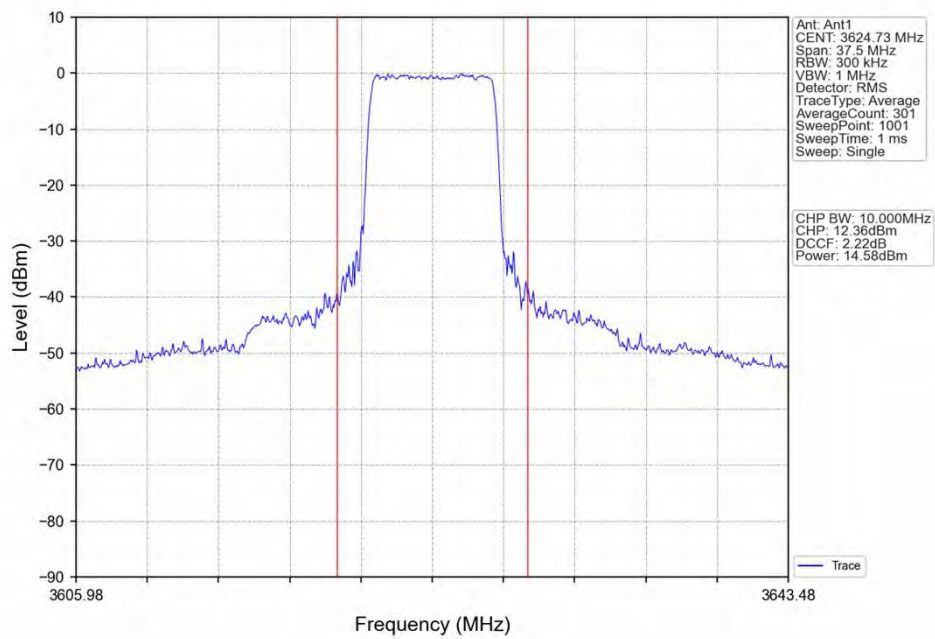
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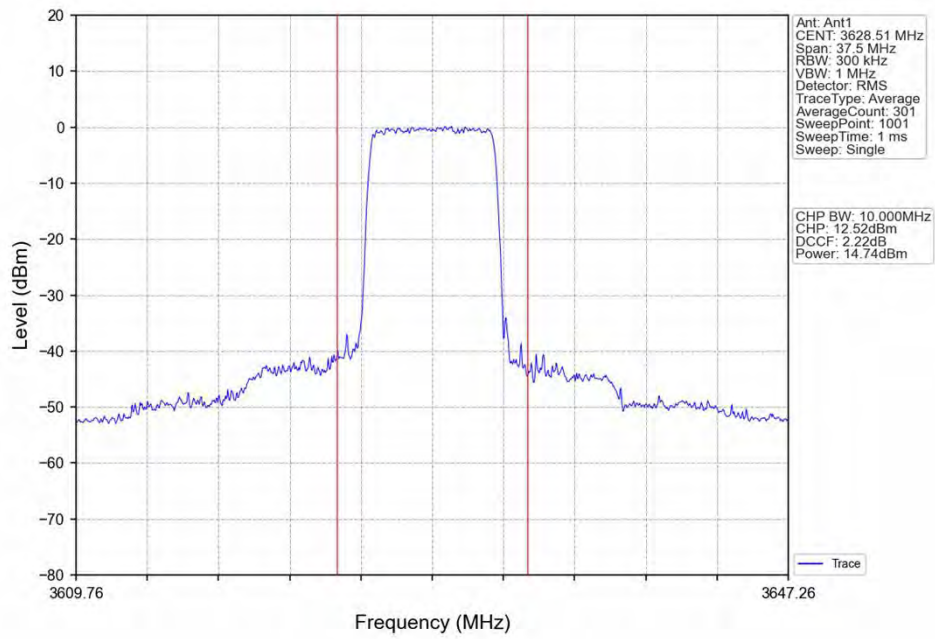
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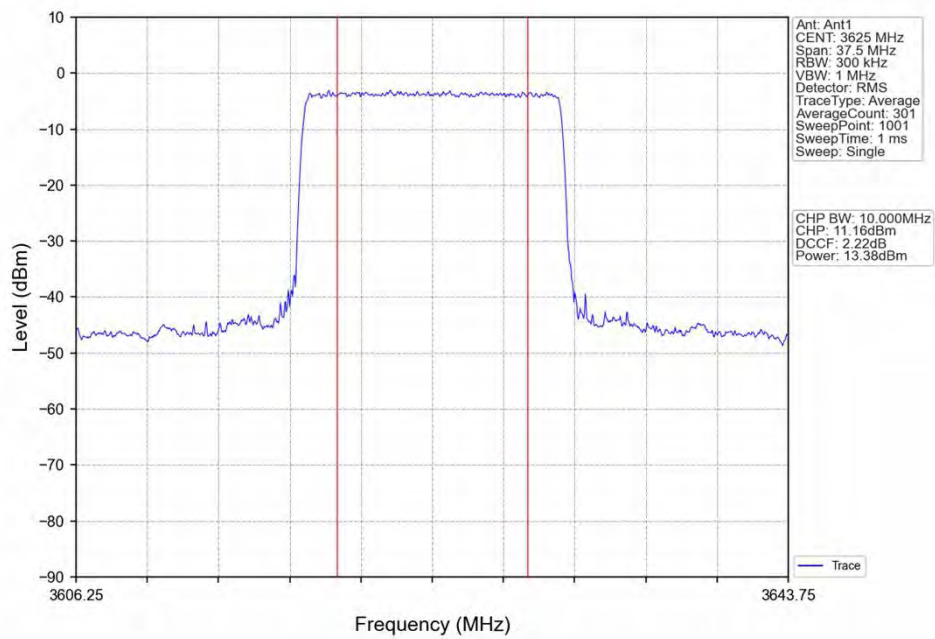
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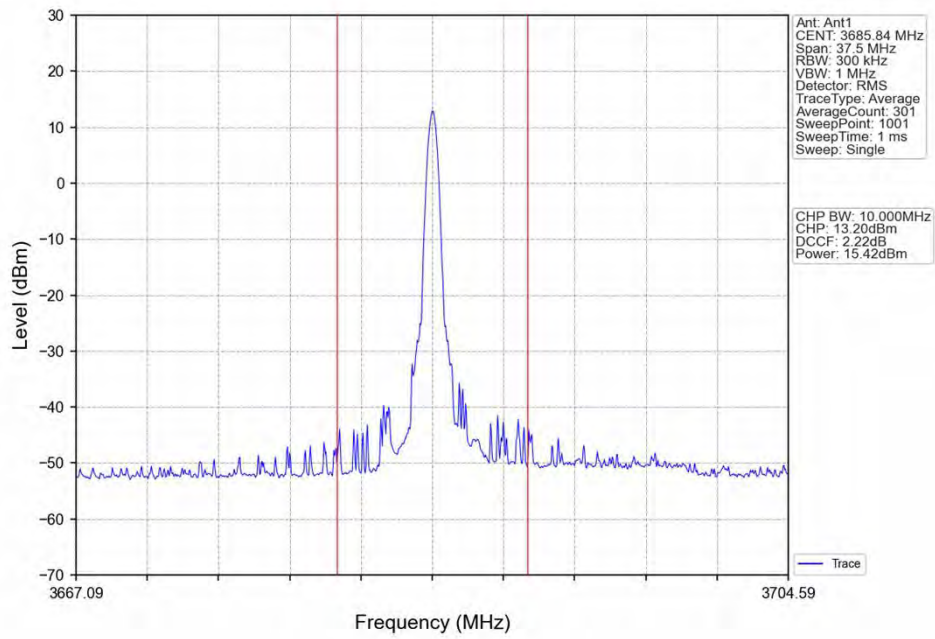
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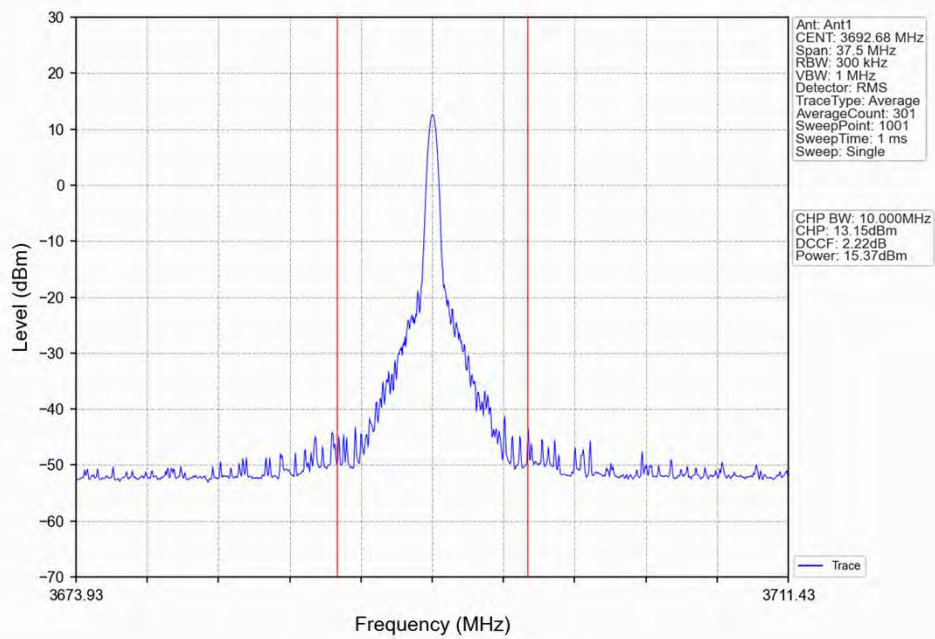
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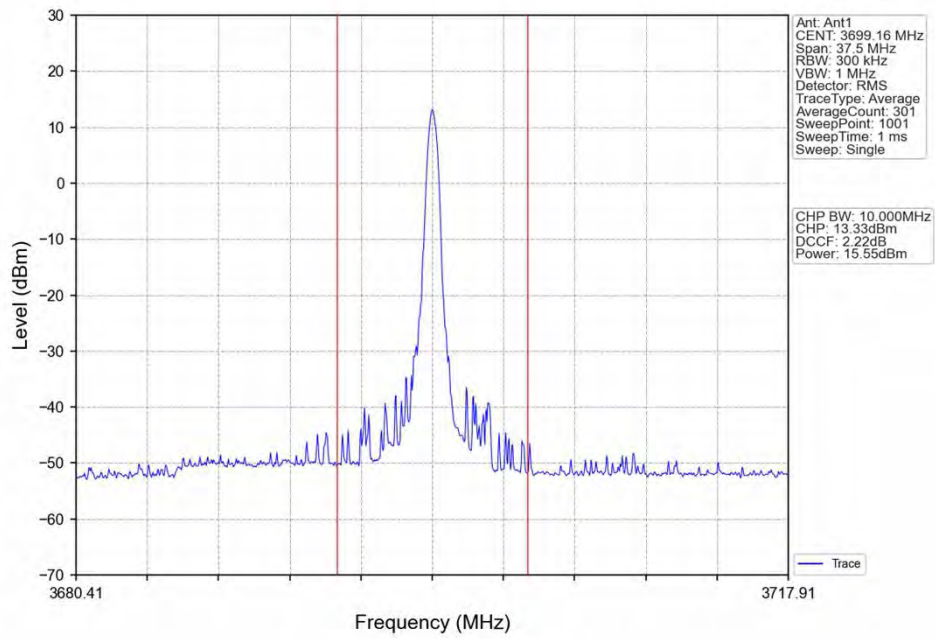
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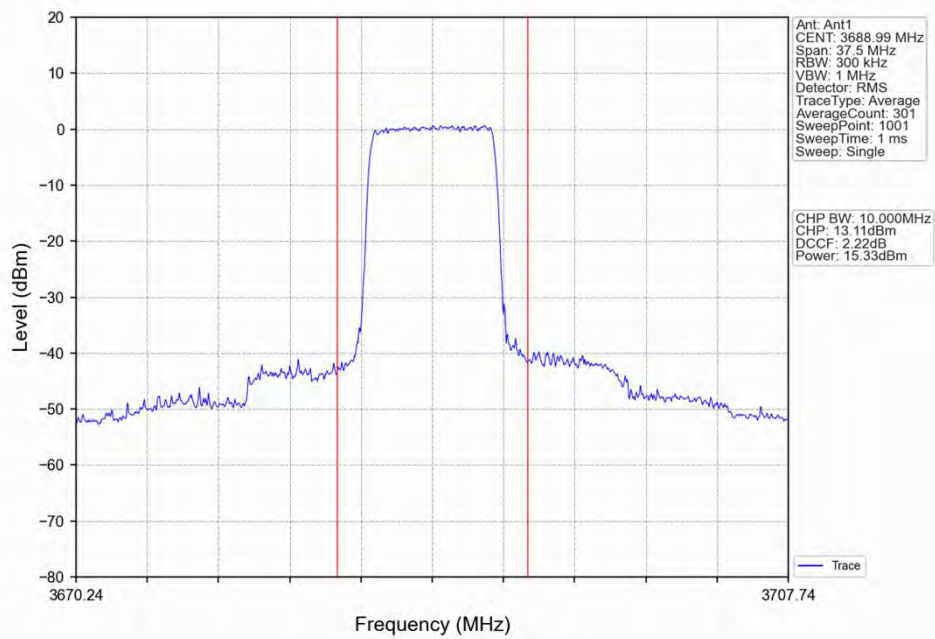
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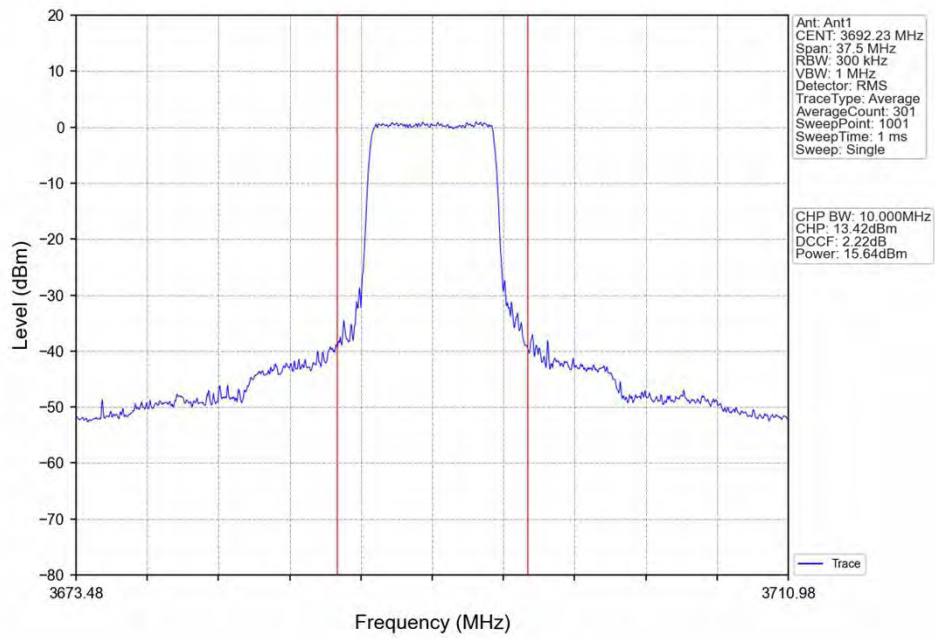
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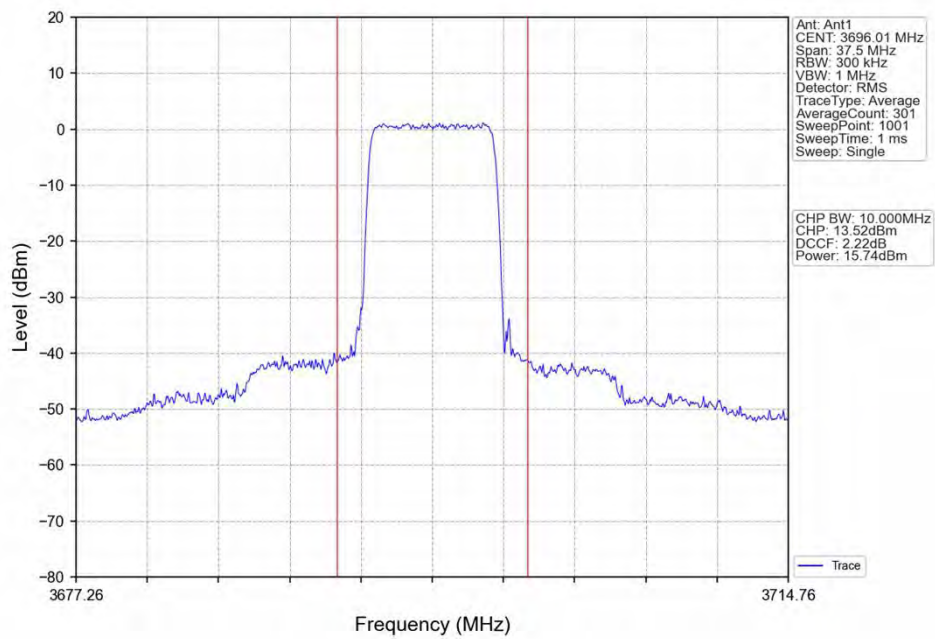
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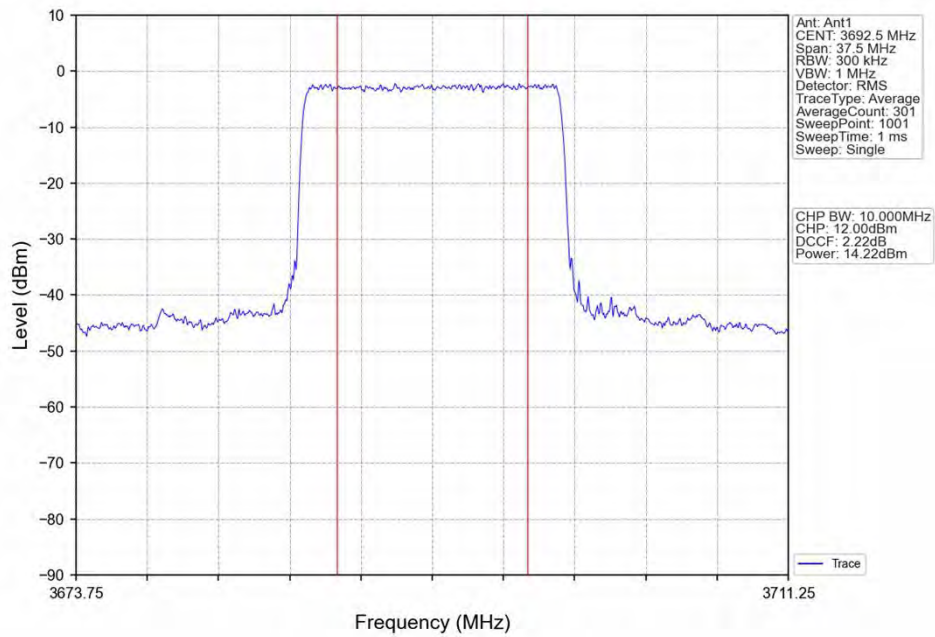
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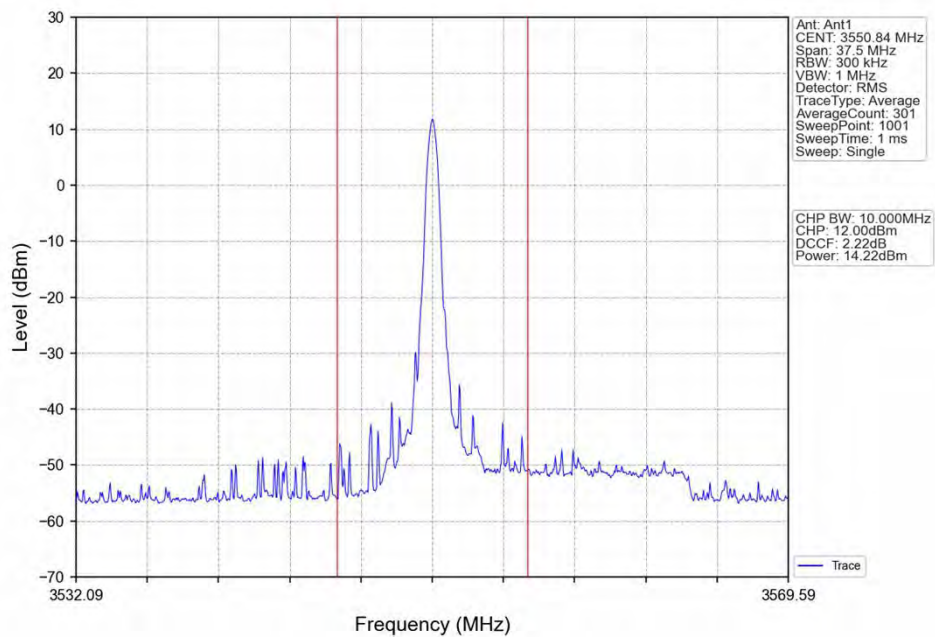
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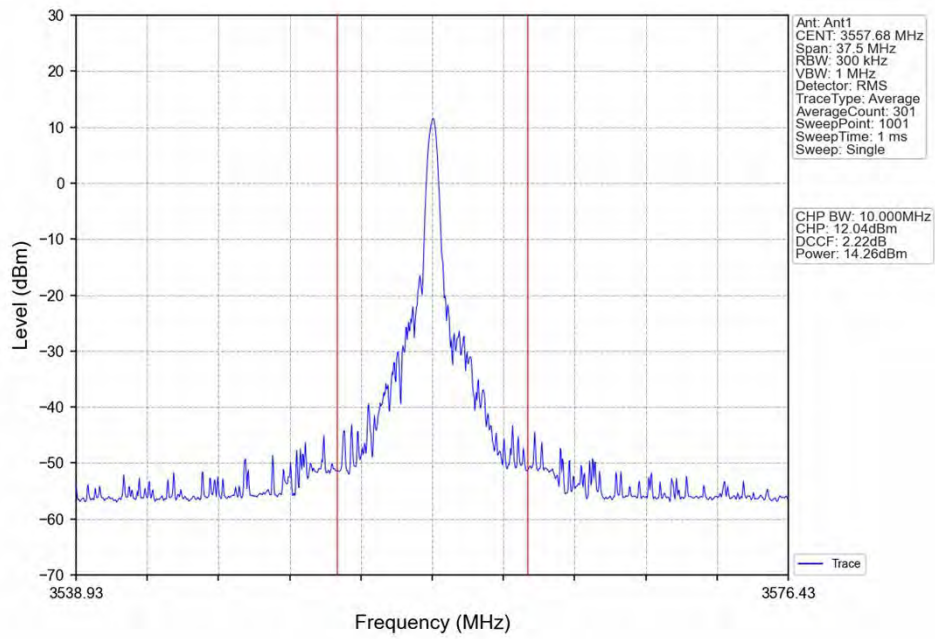
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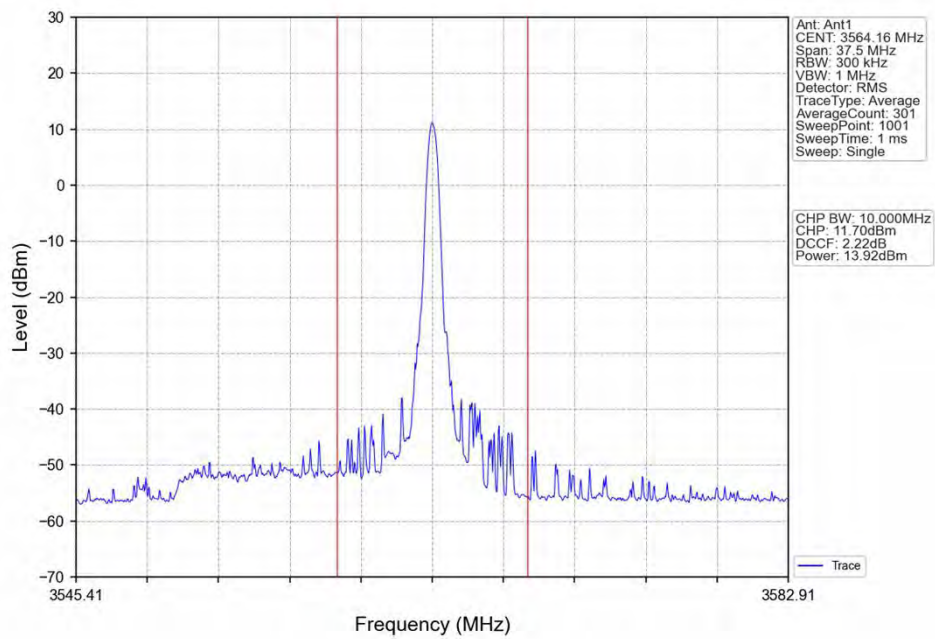
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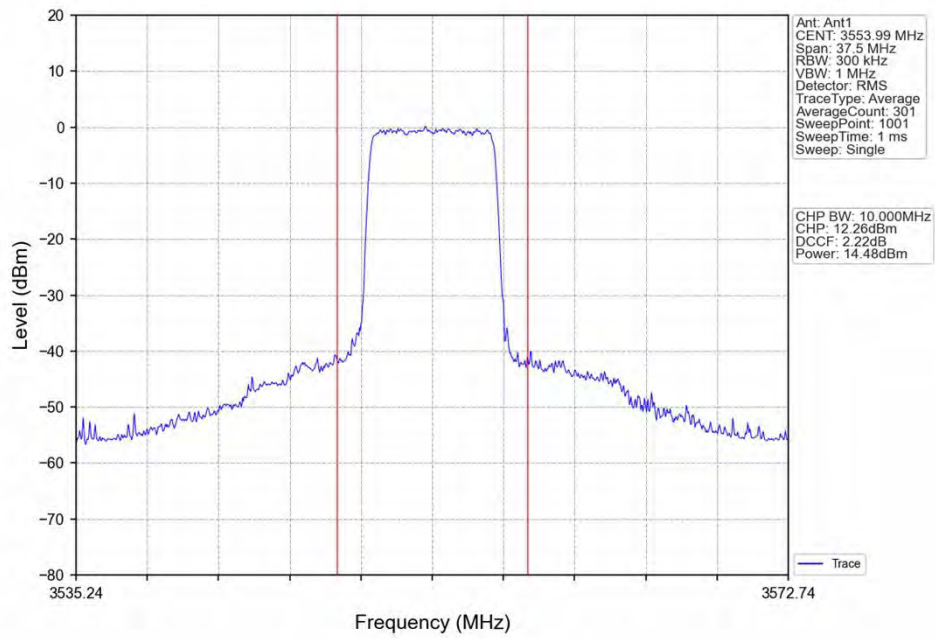
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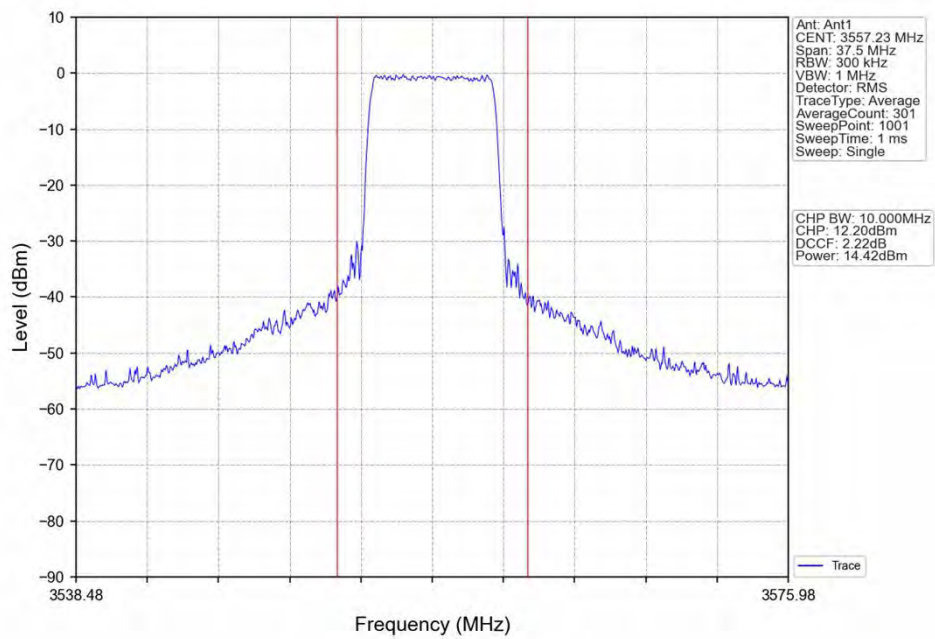
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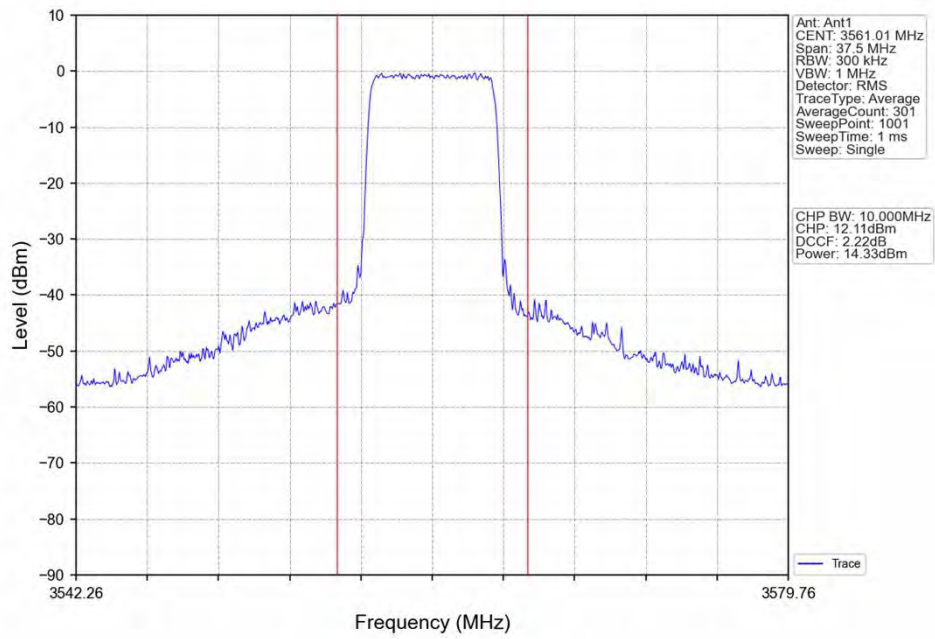
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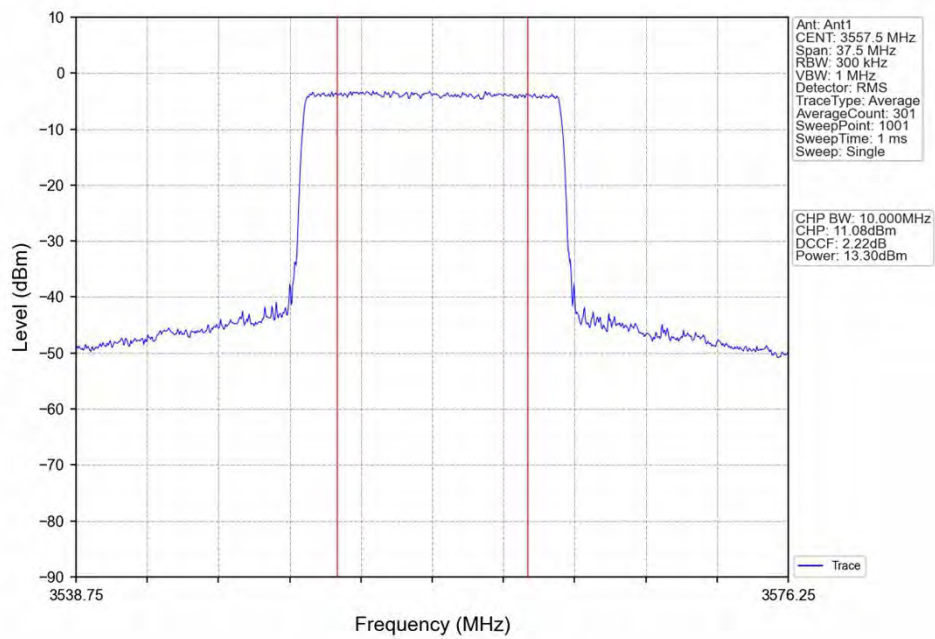
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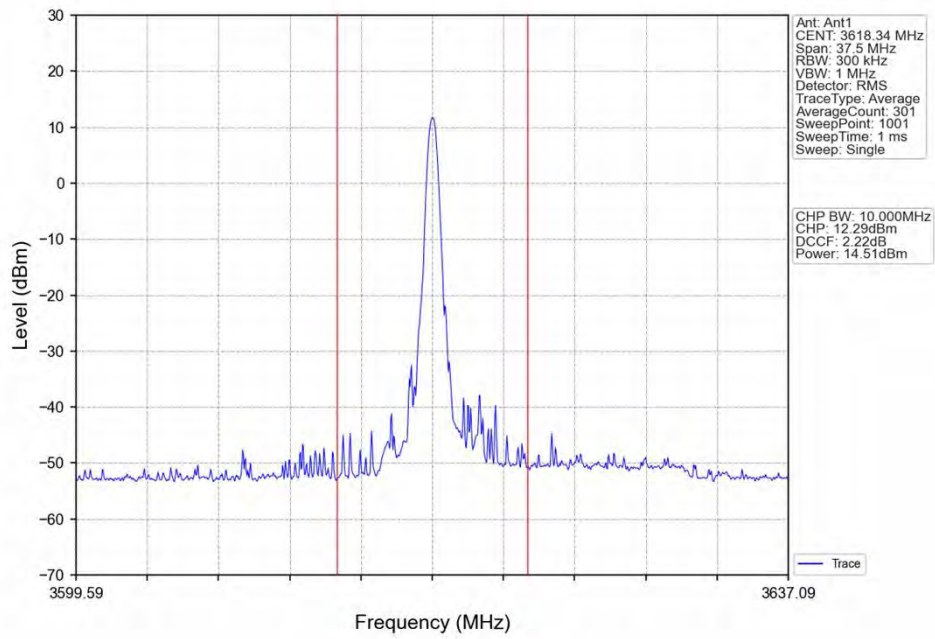
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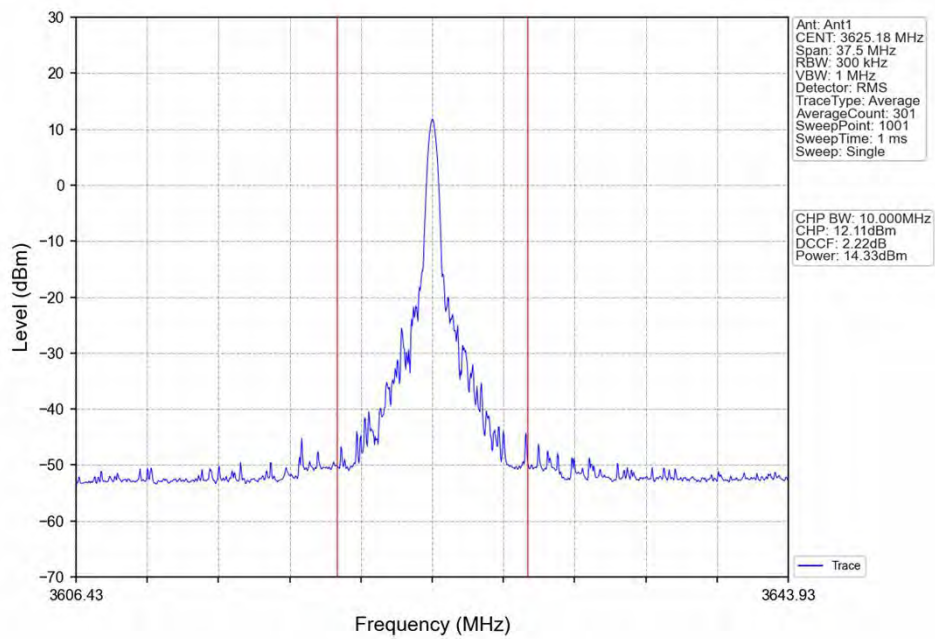
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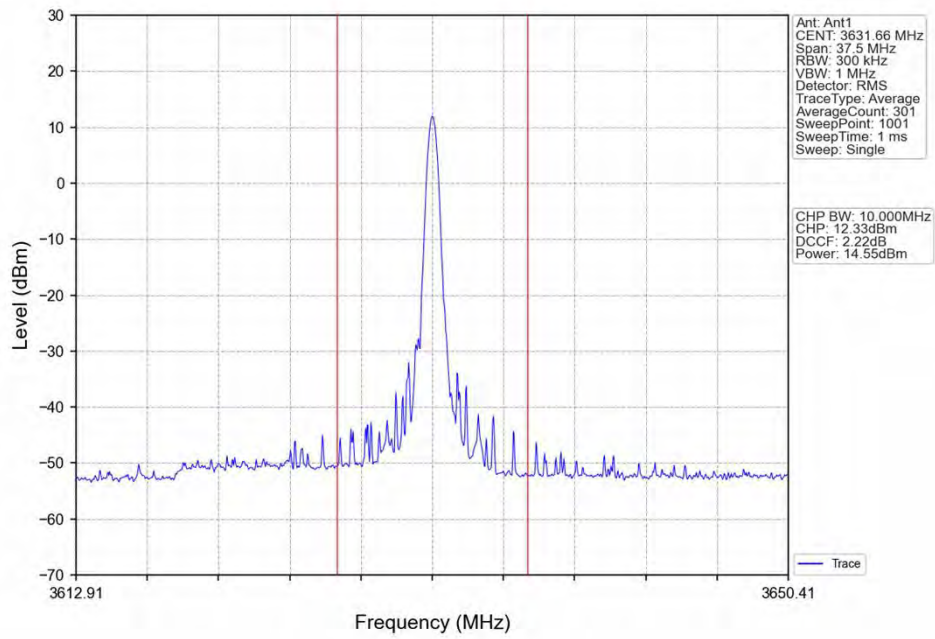
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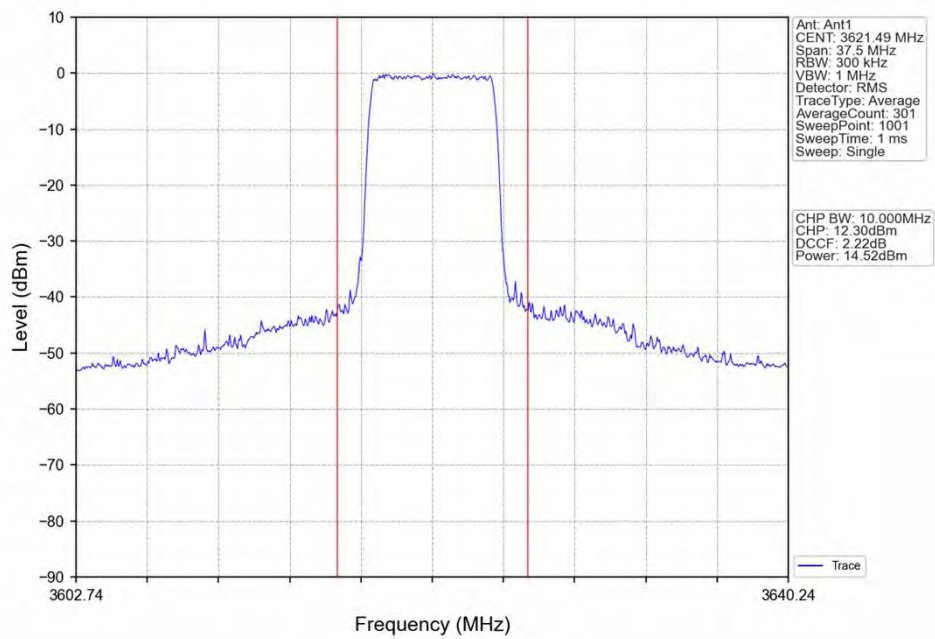
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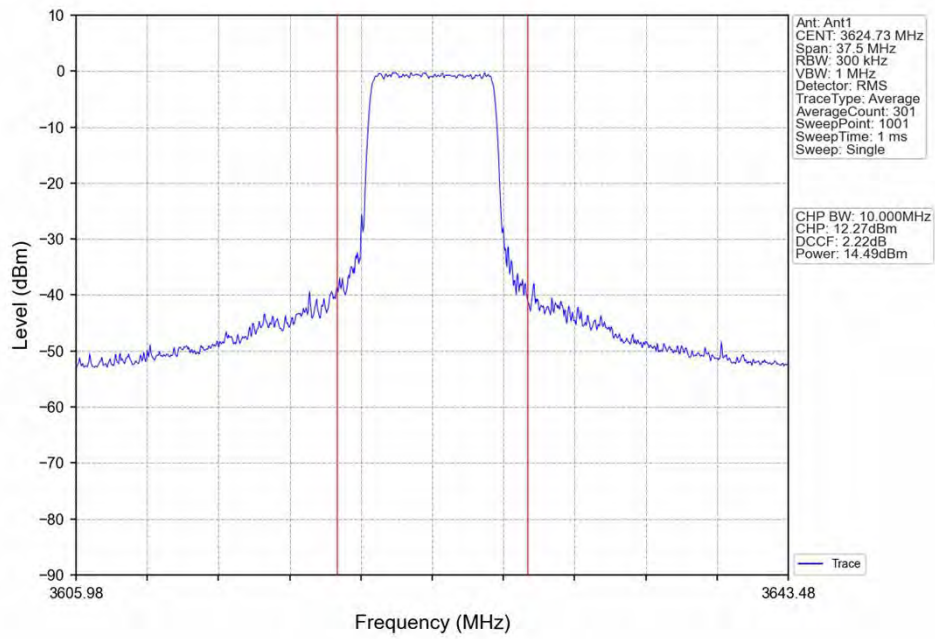
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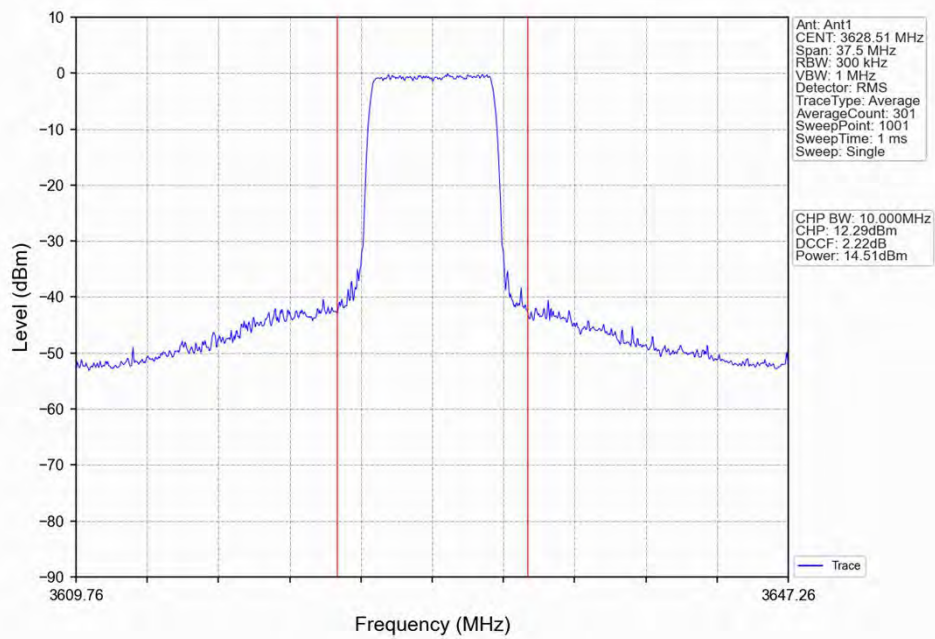
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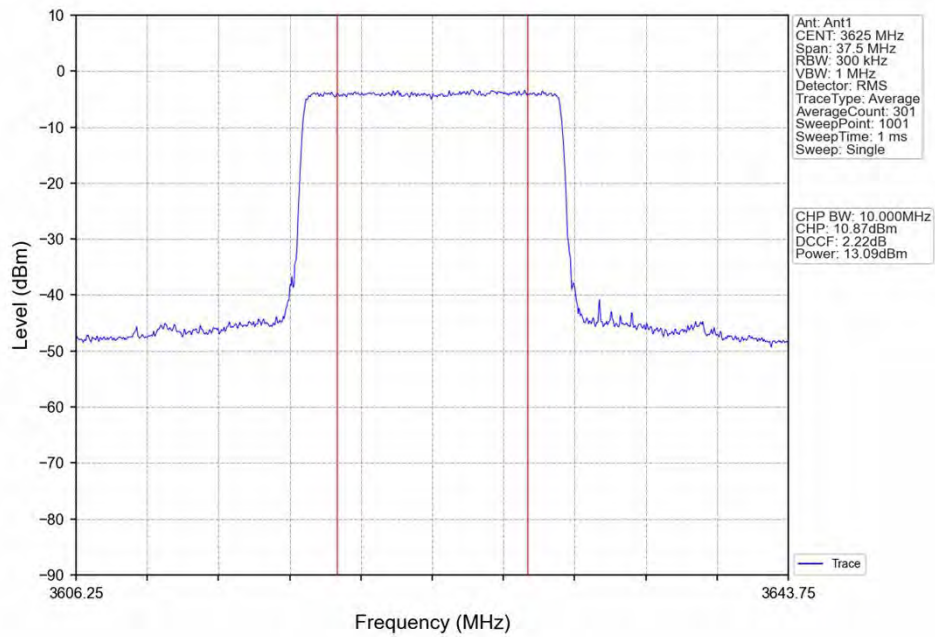
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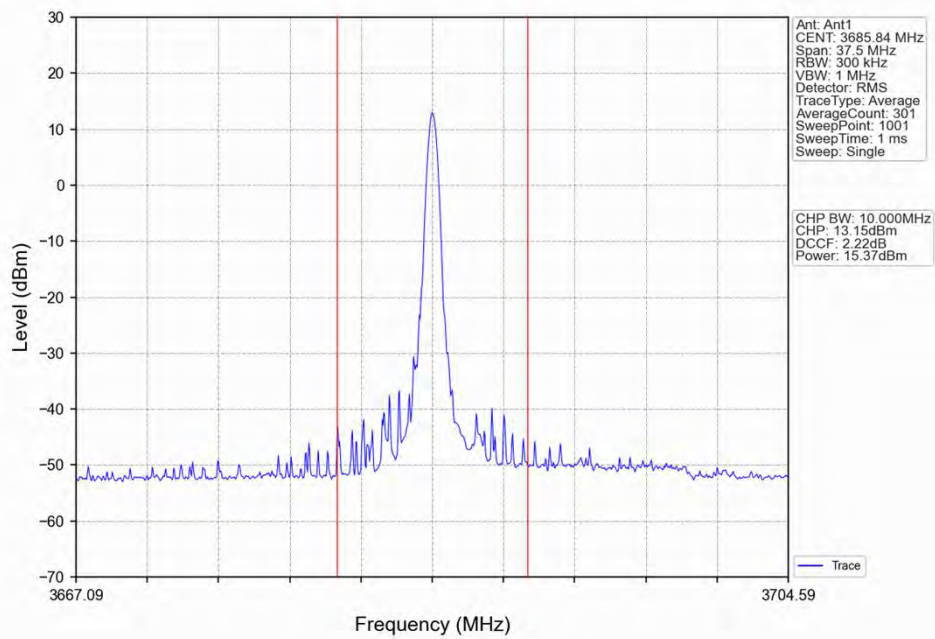
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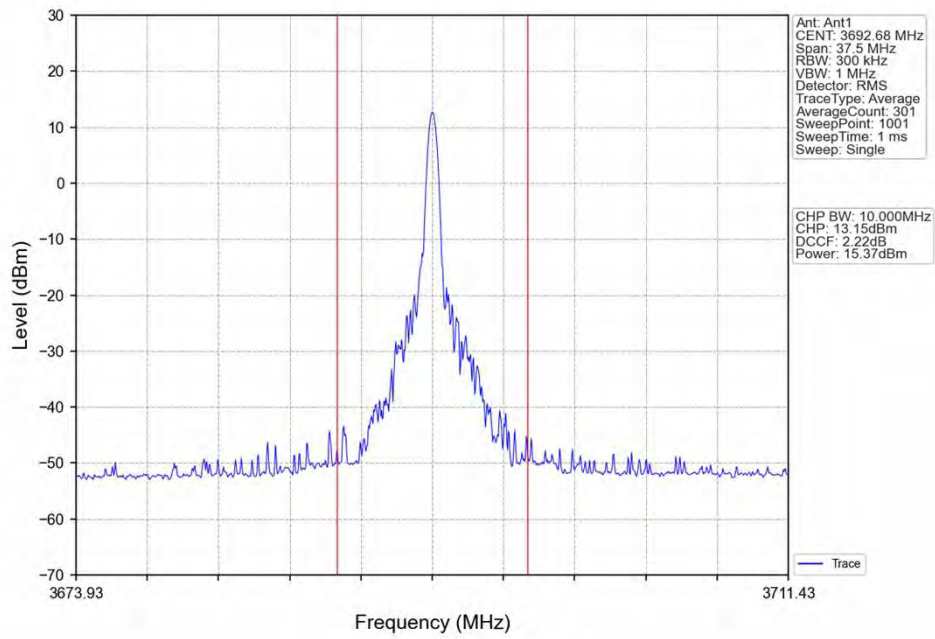
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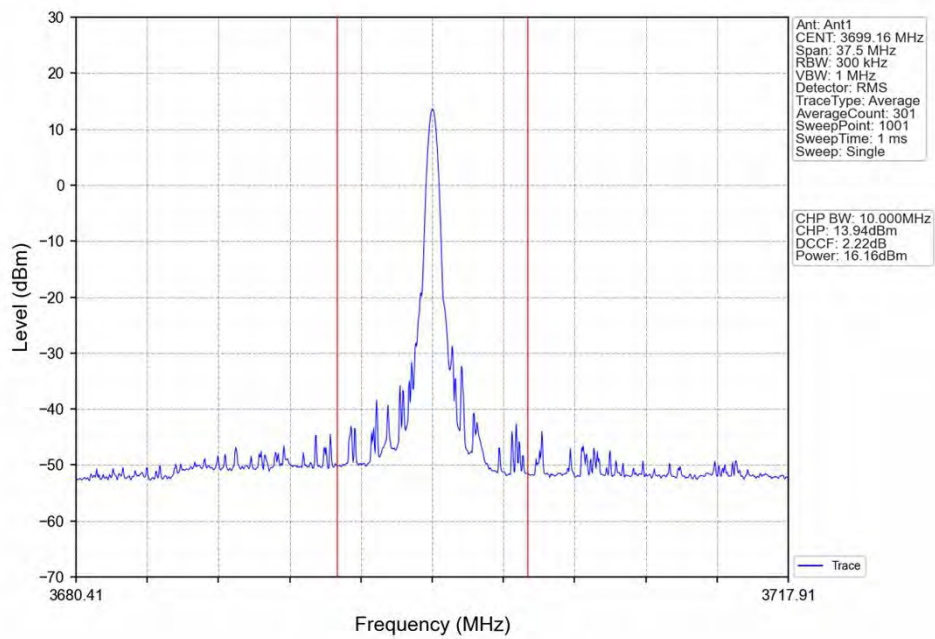
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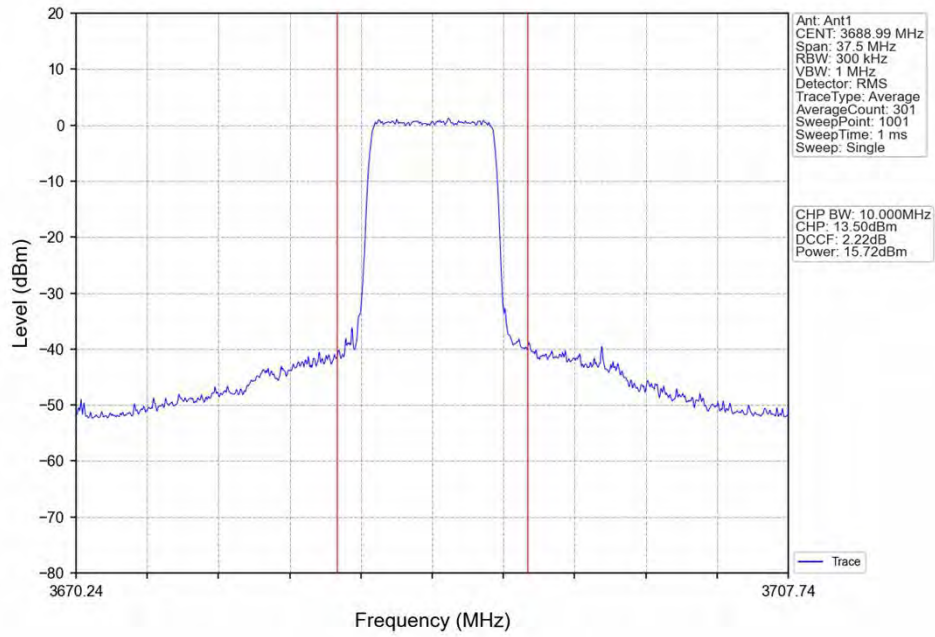
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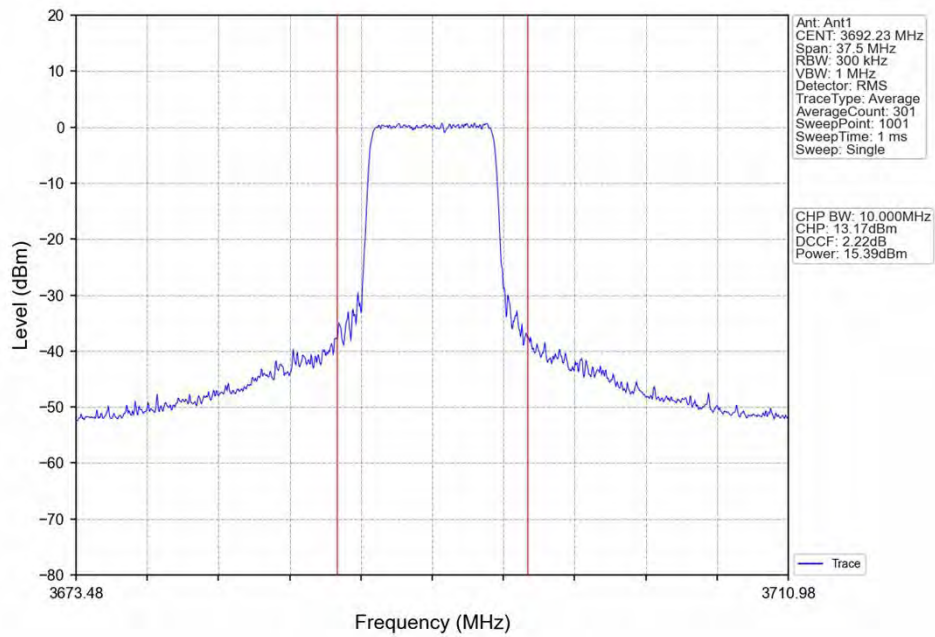
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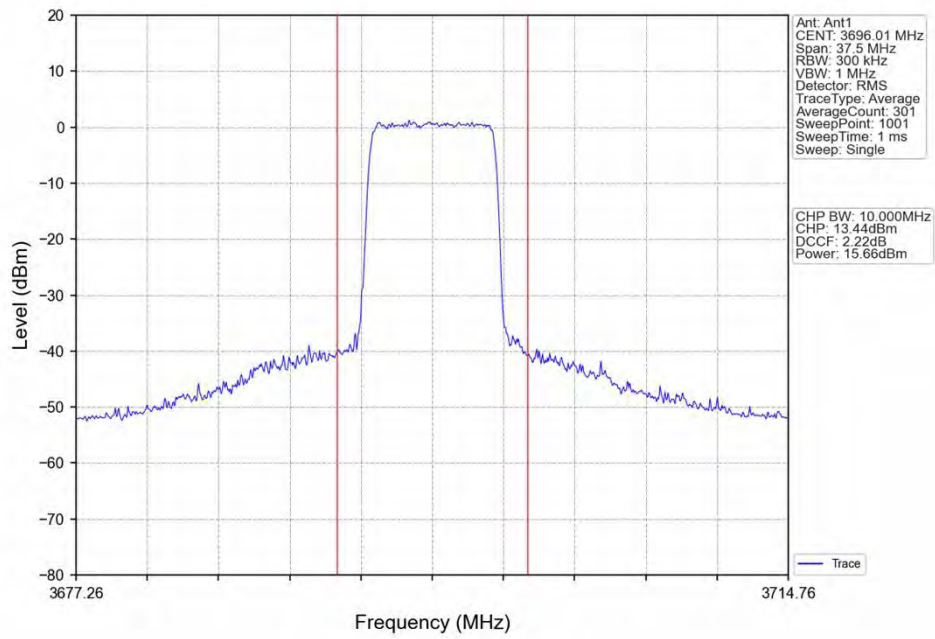
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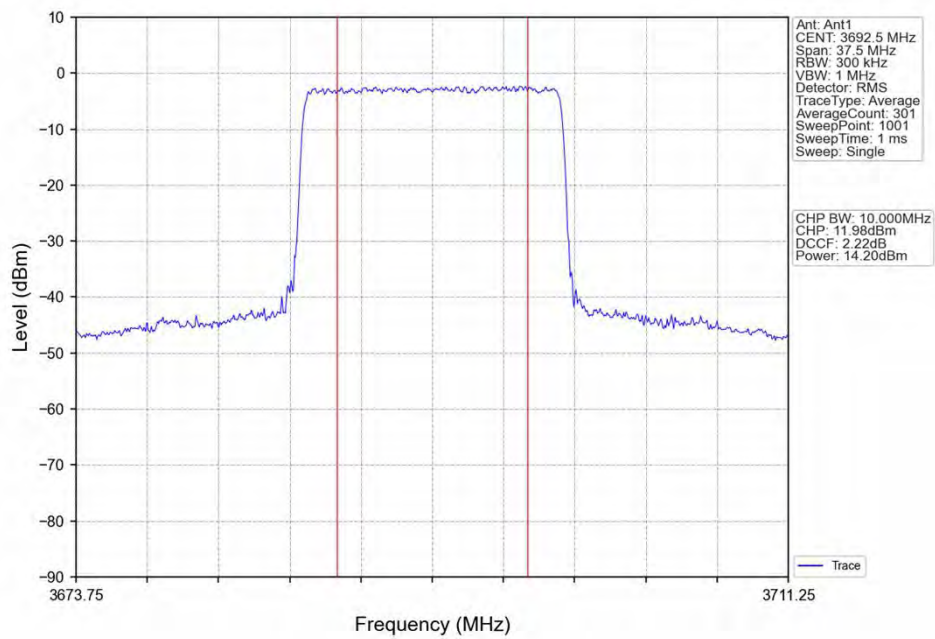
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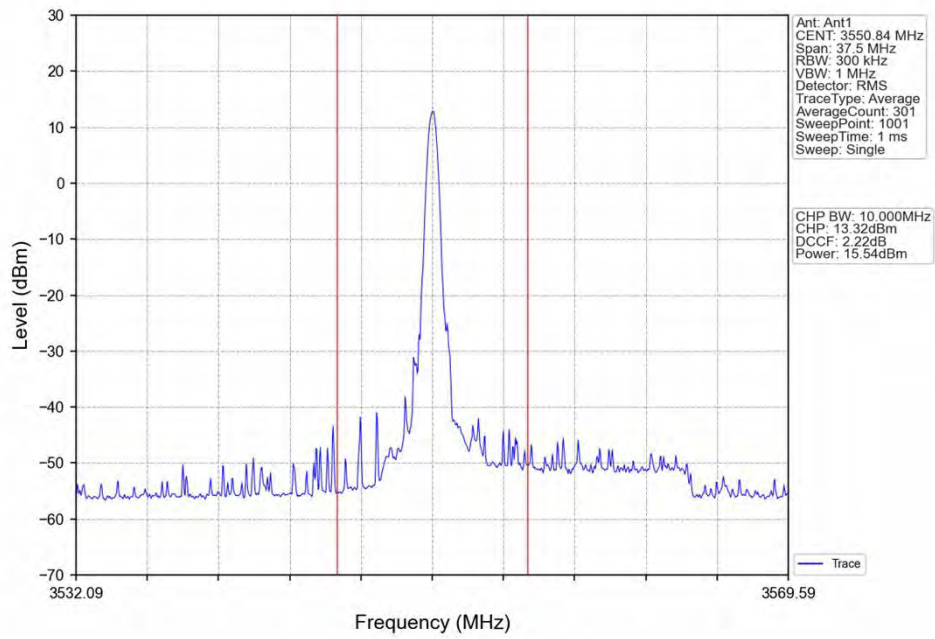
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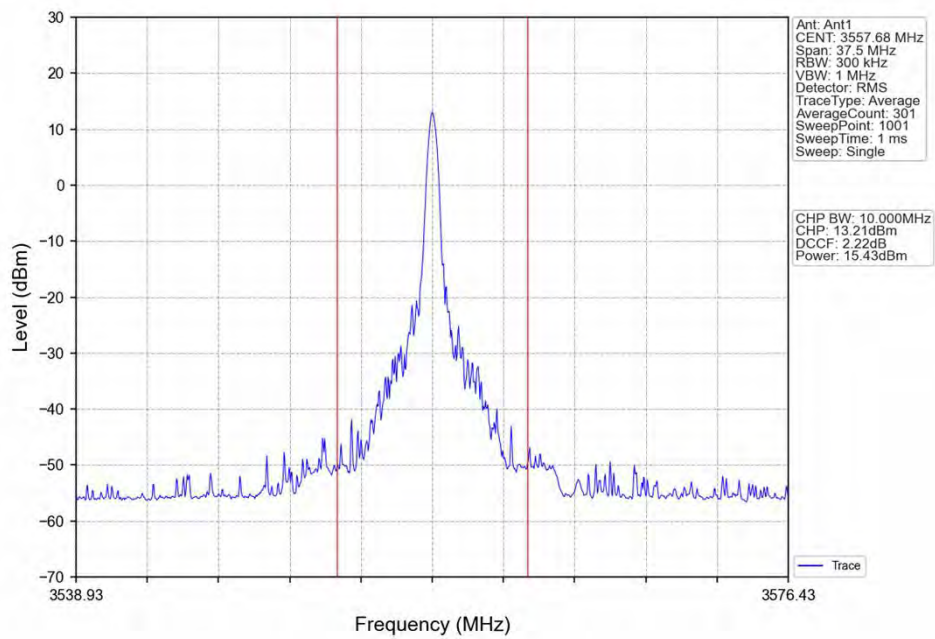
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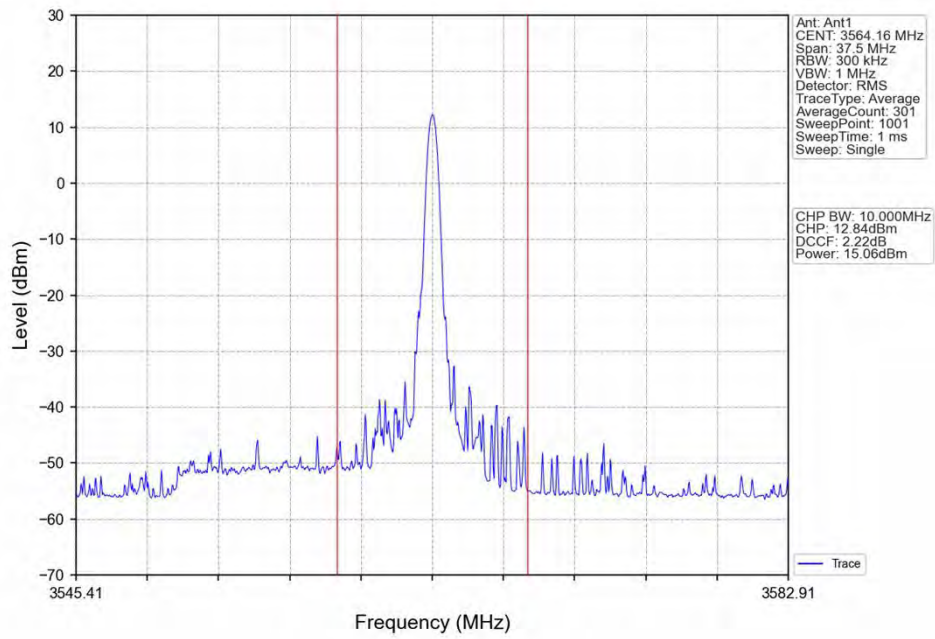
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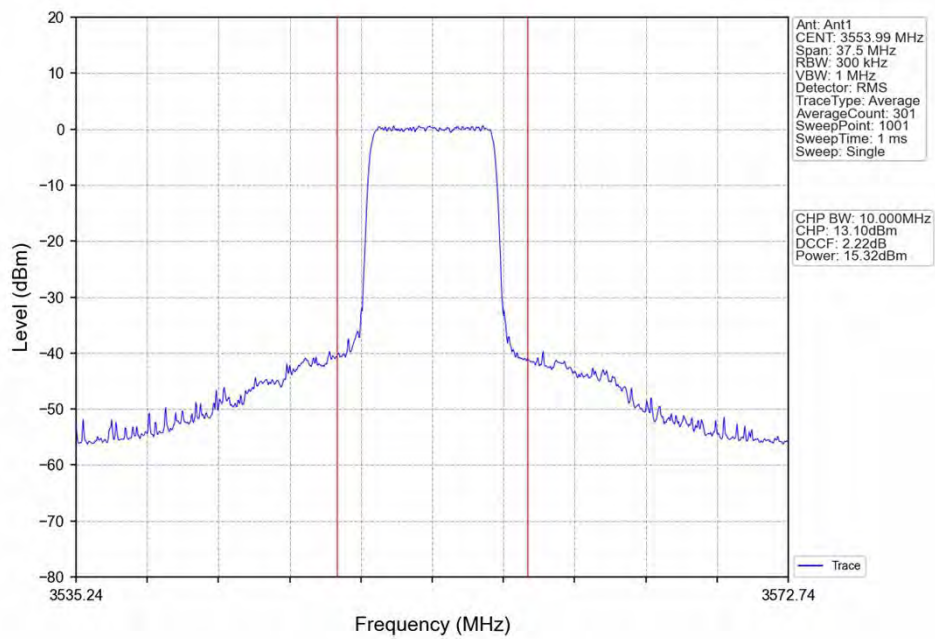
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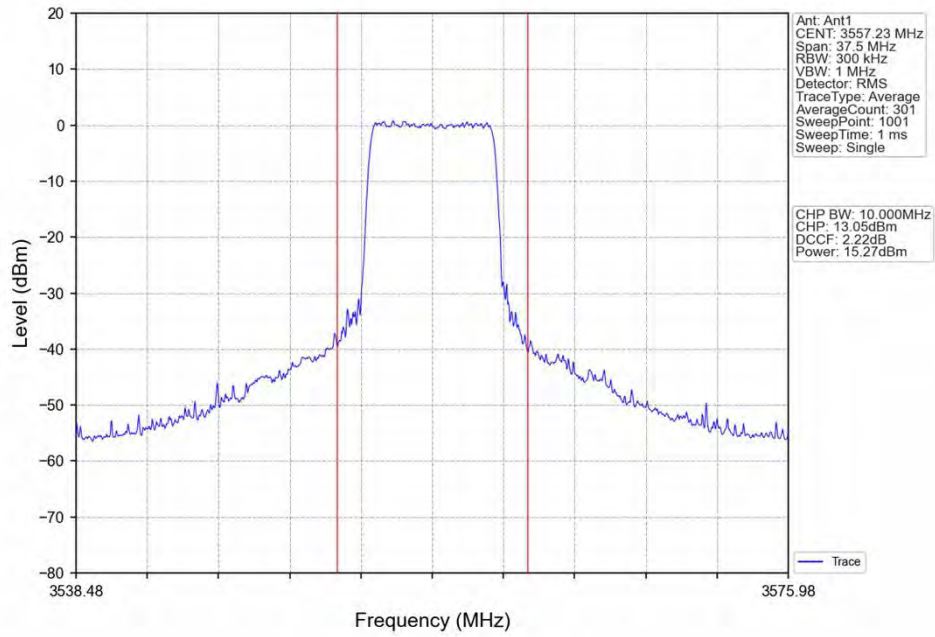
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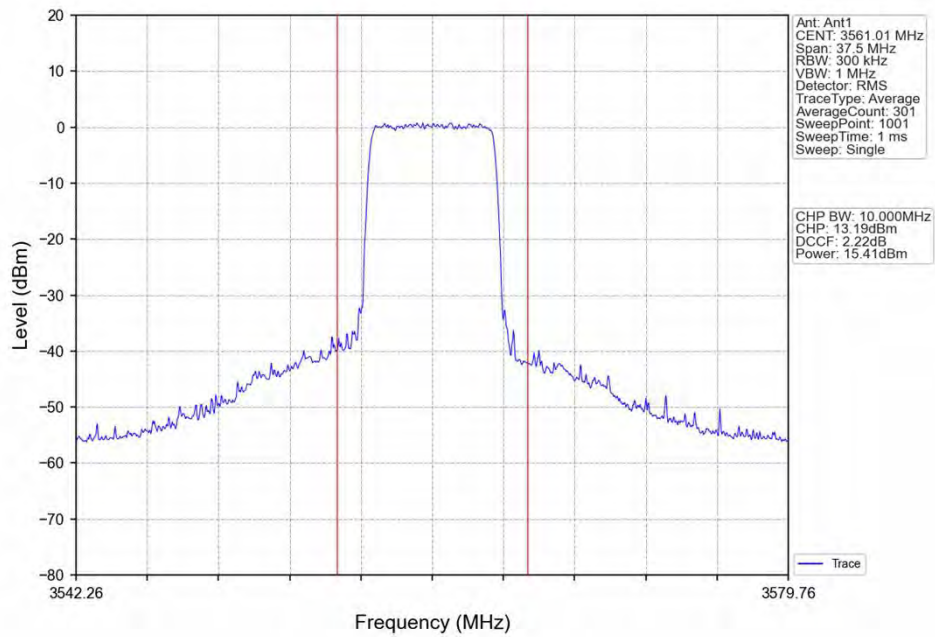
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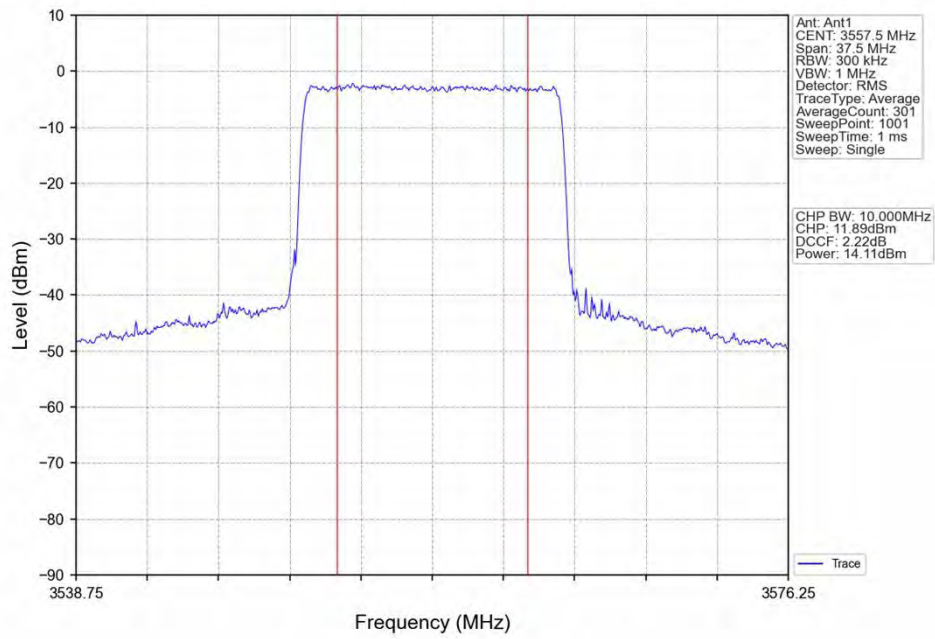
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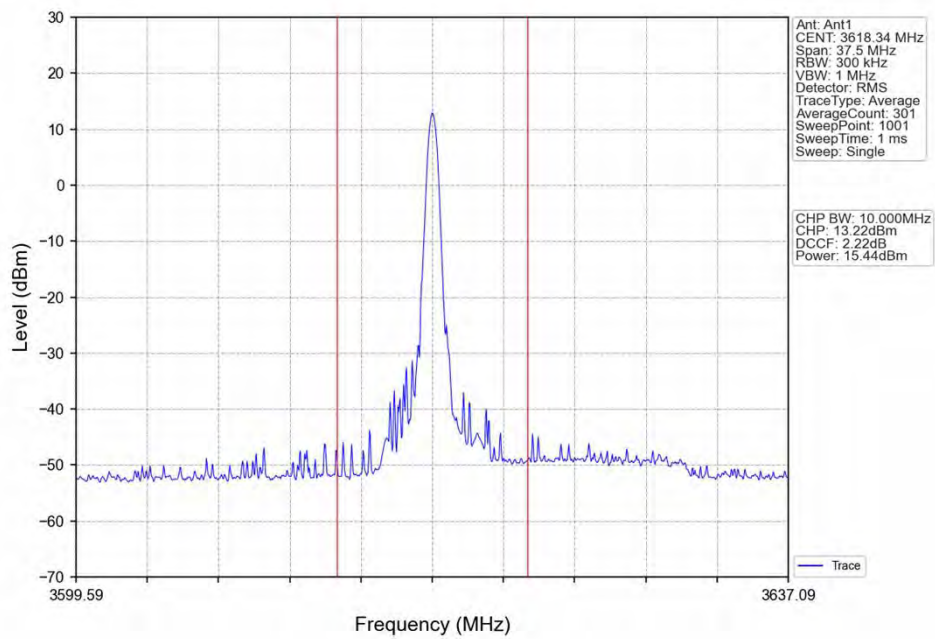
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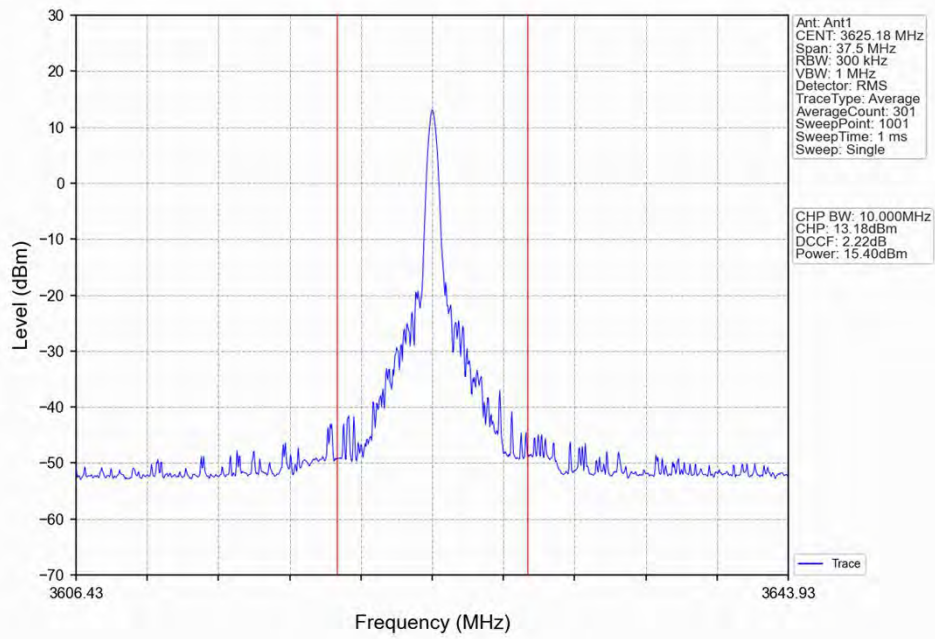
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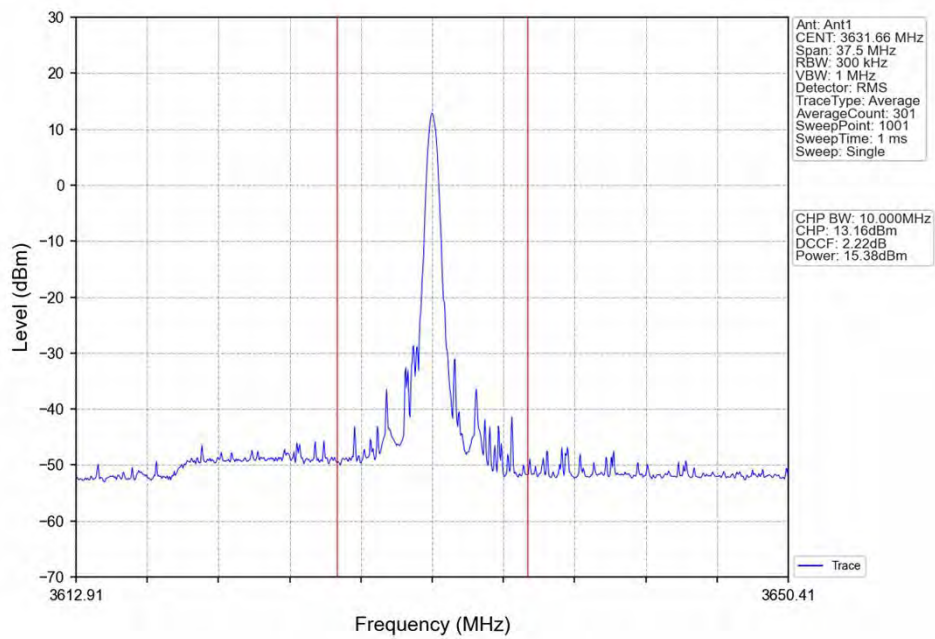
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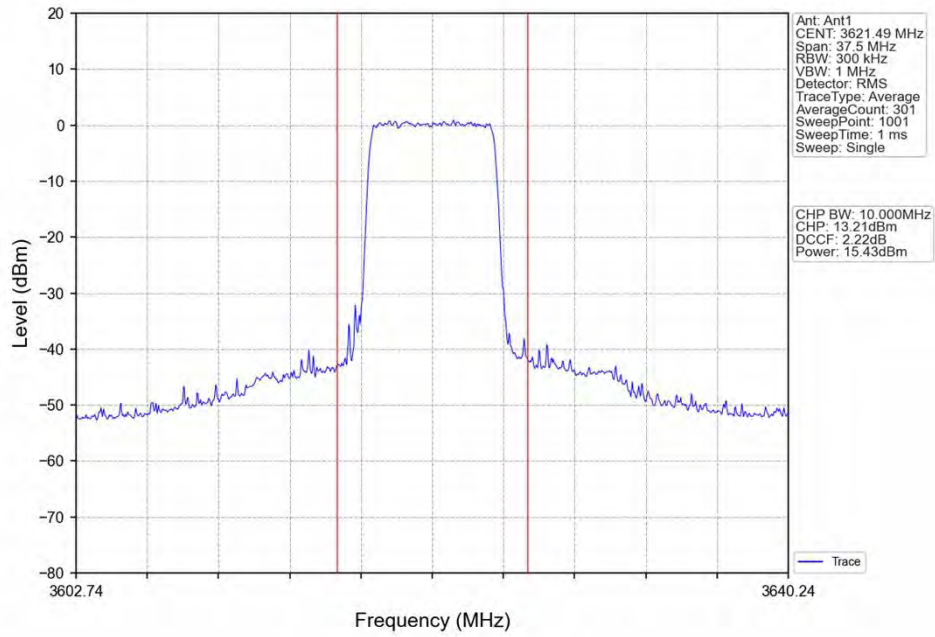
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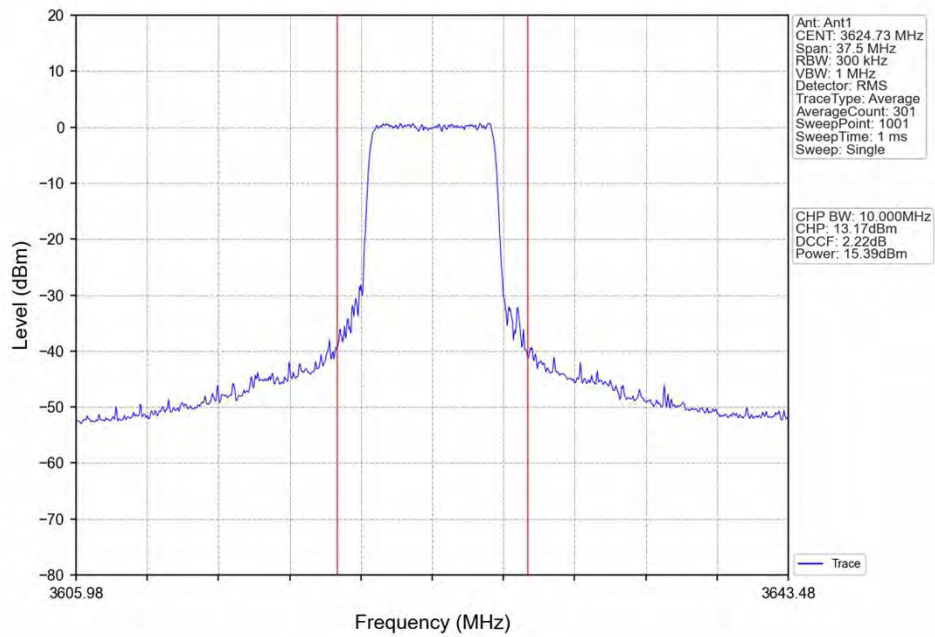
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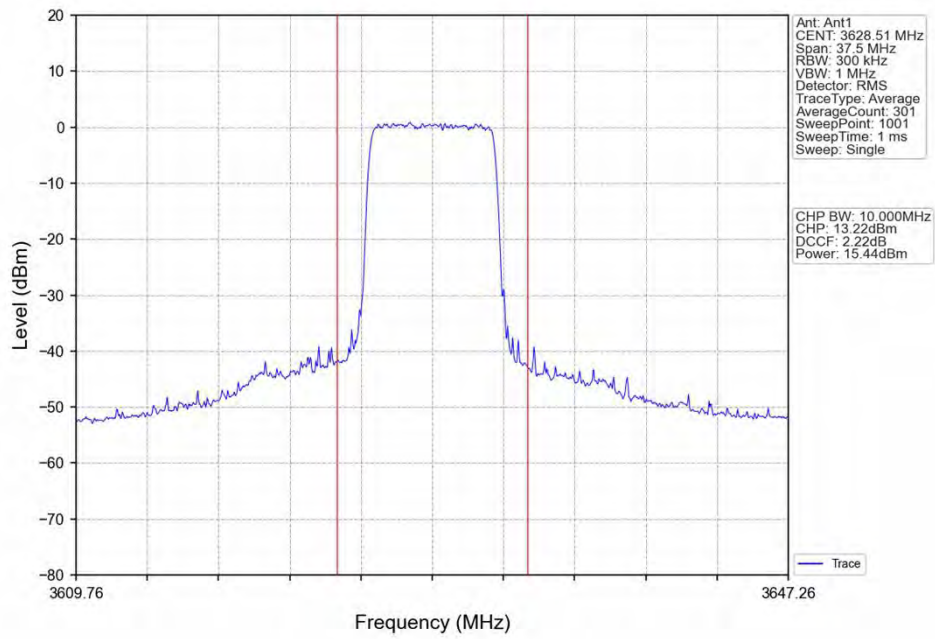
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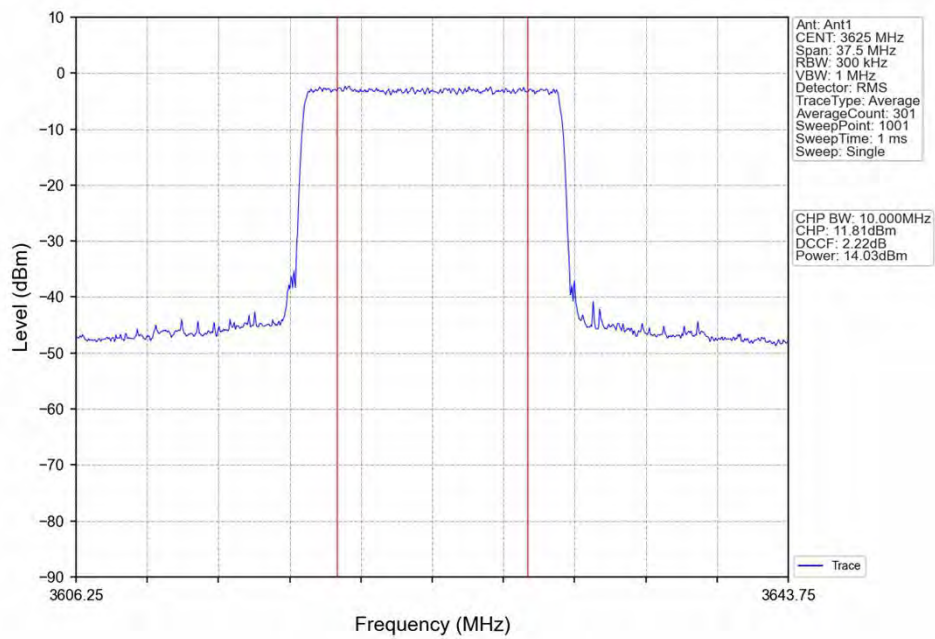
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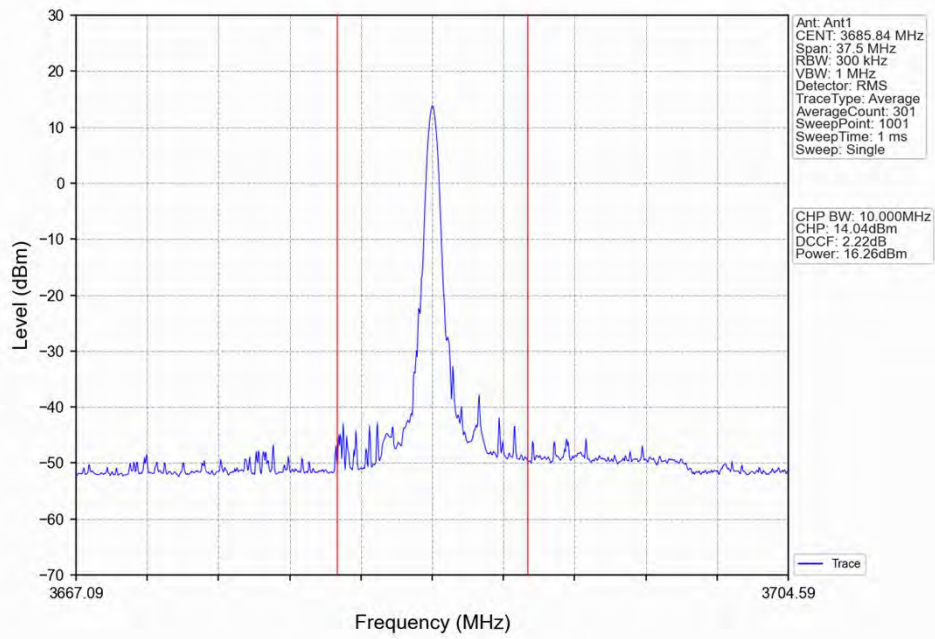
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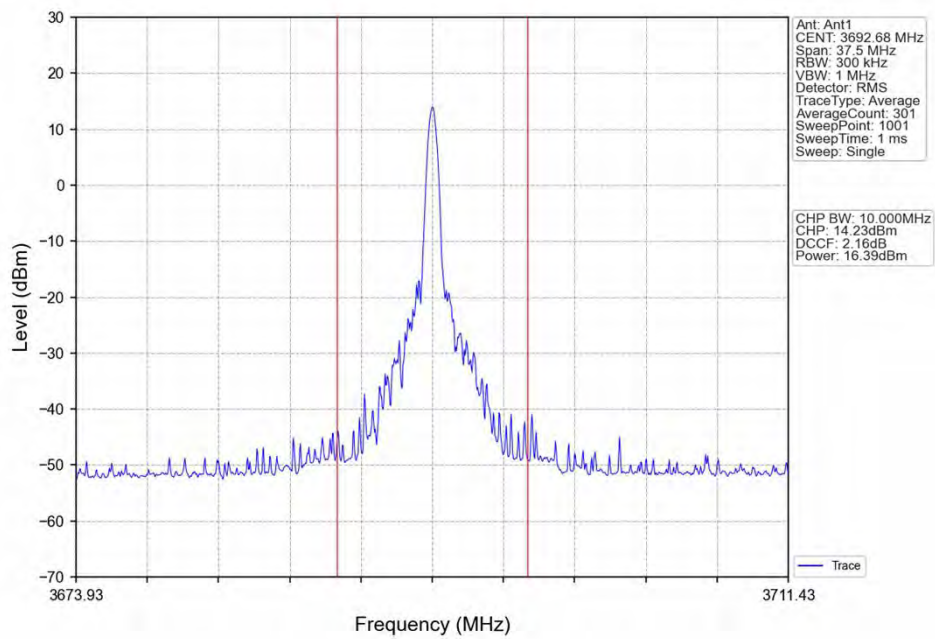
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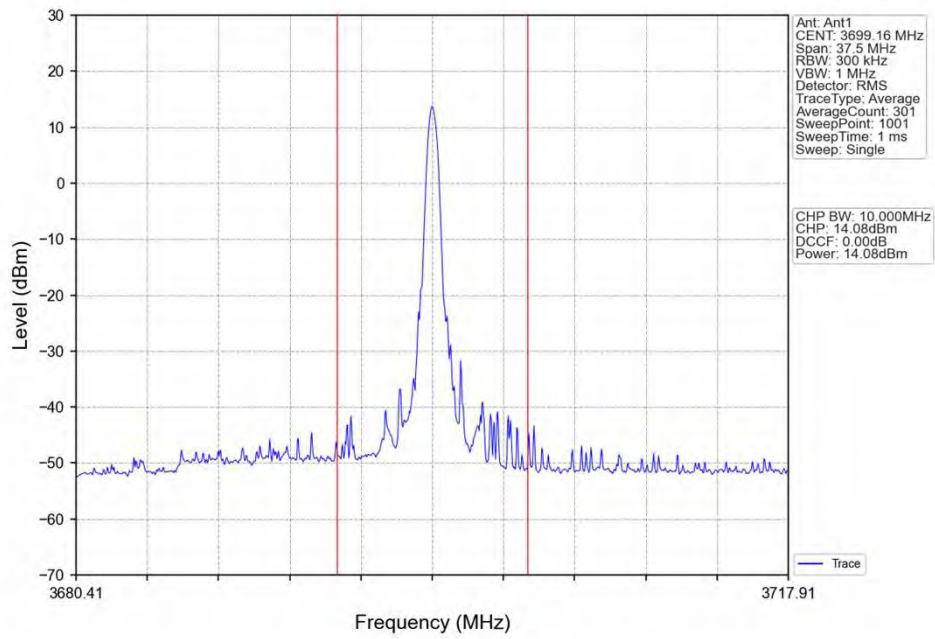
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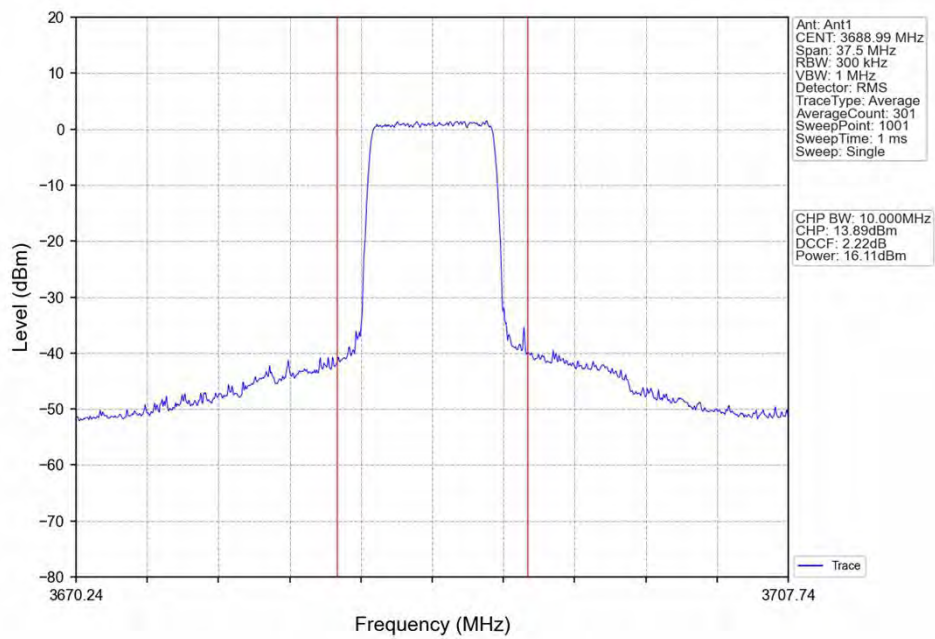
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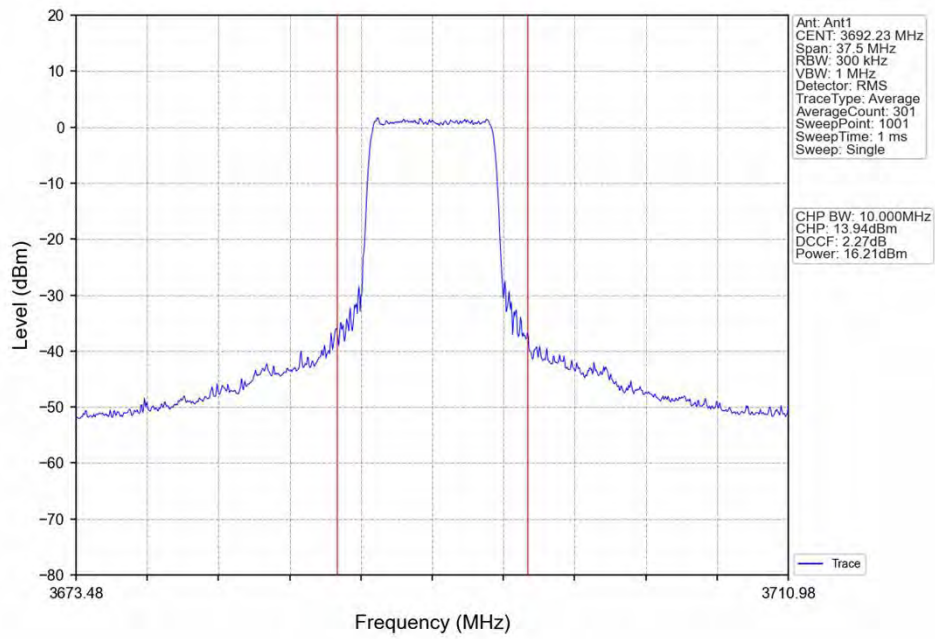
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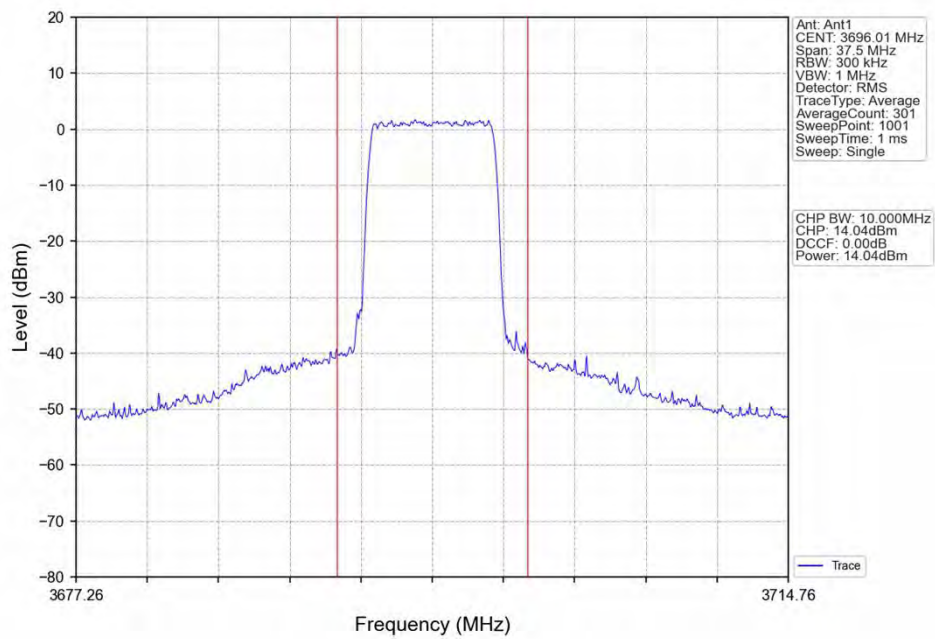
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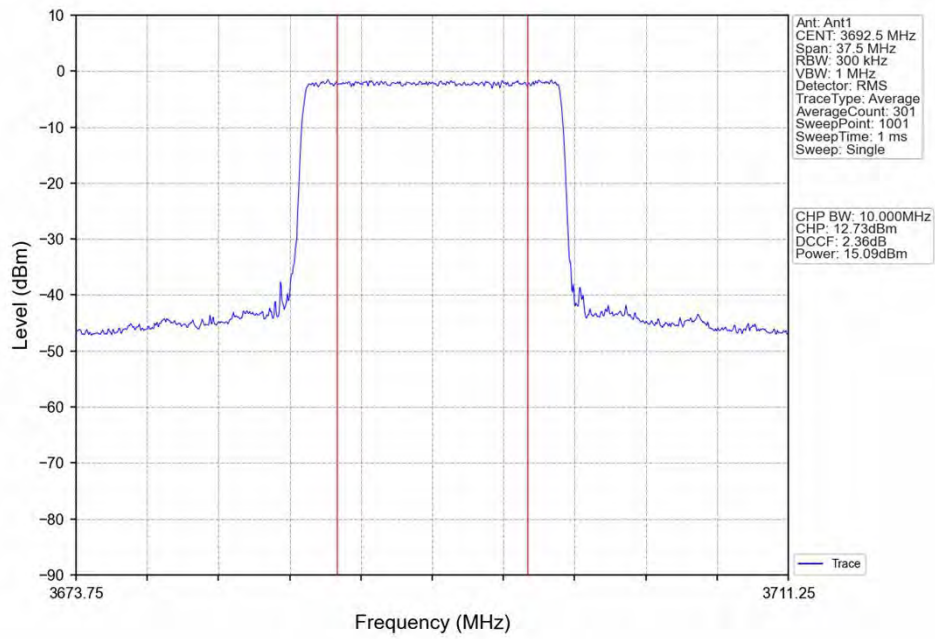
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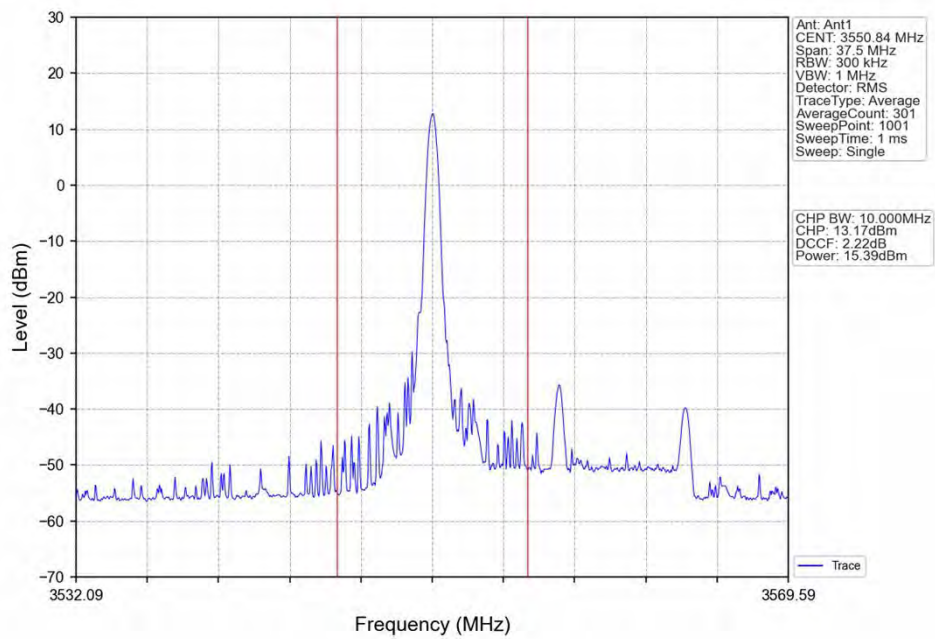
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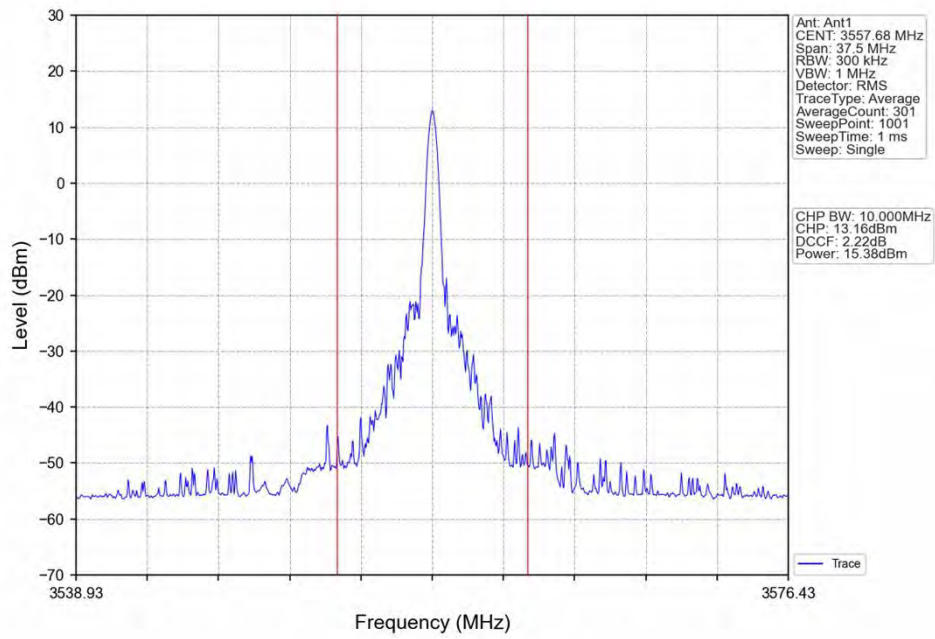
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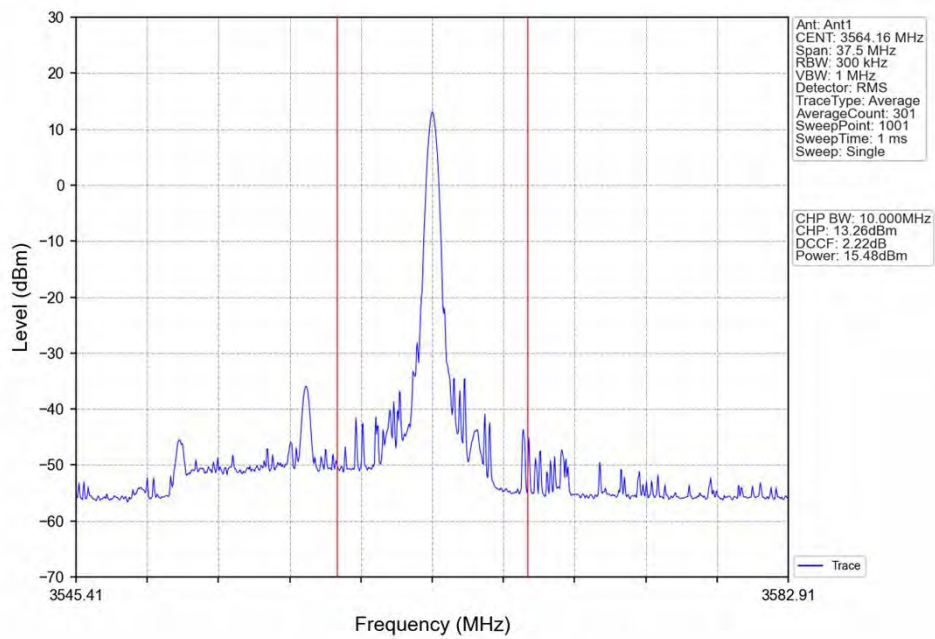
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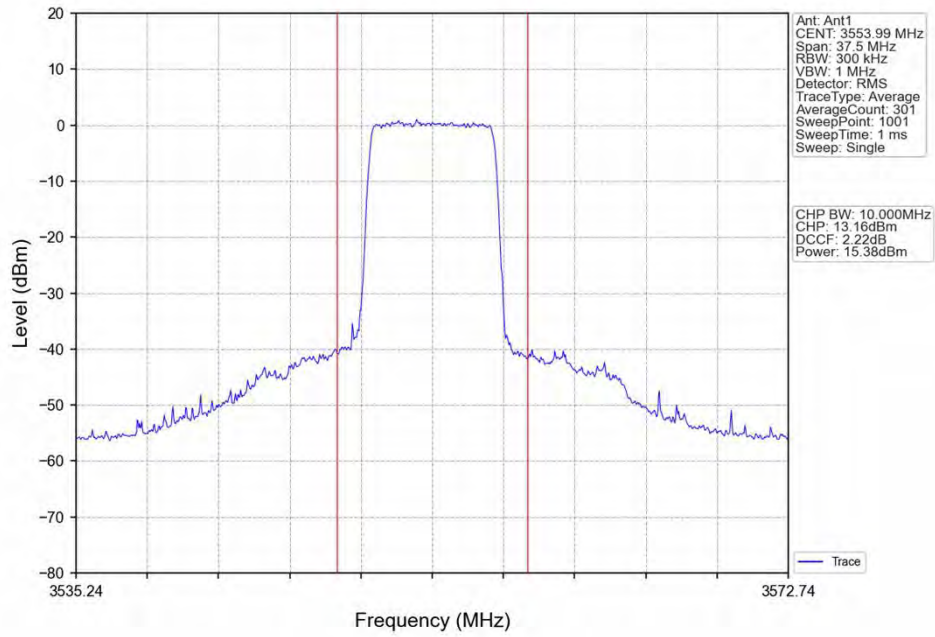
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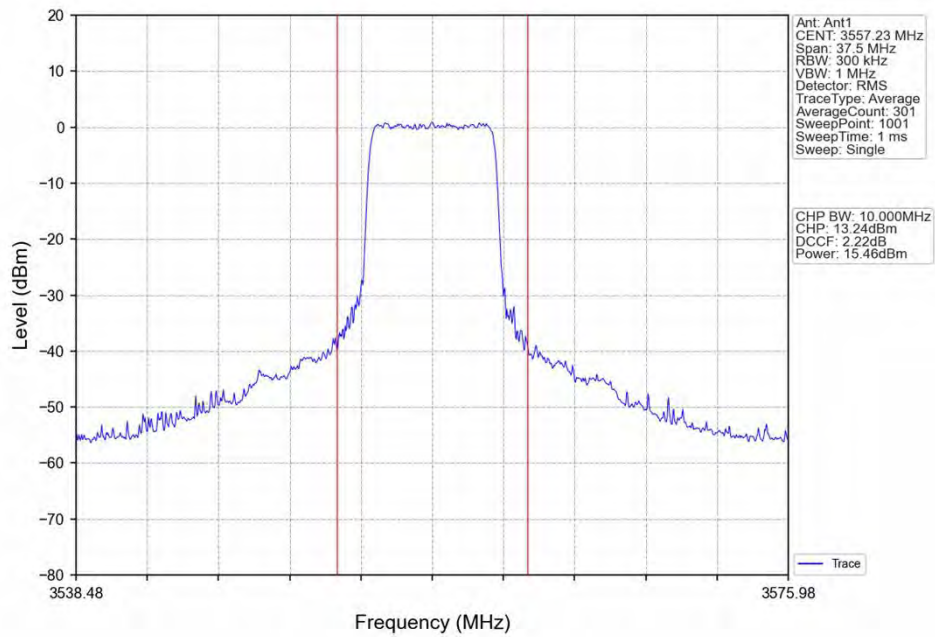
Band48 15MHz 256QAM LCH 3557.5MHz RB 1 74 NTN



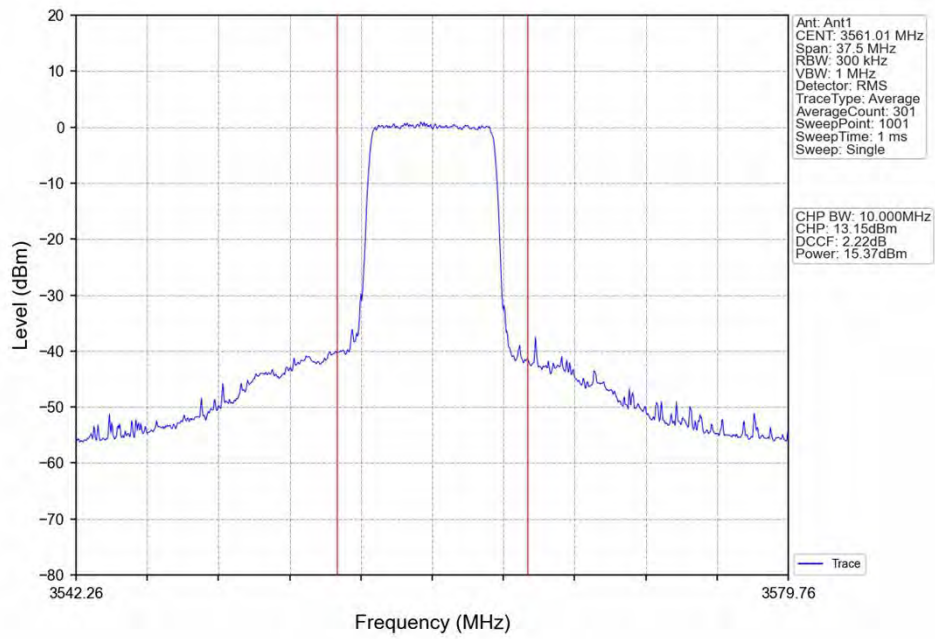
Band48 15MHz 256QAM LCH 3557.5MHz RB 36 0 NTNV



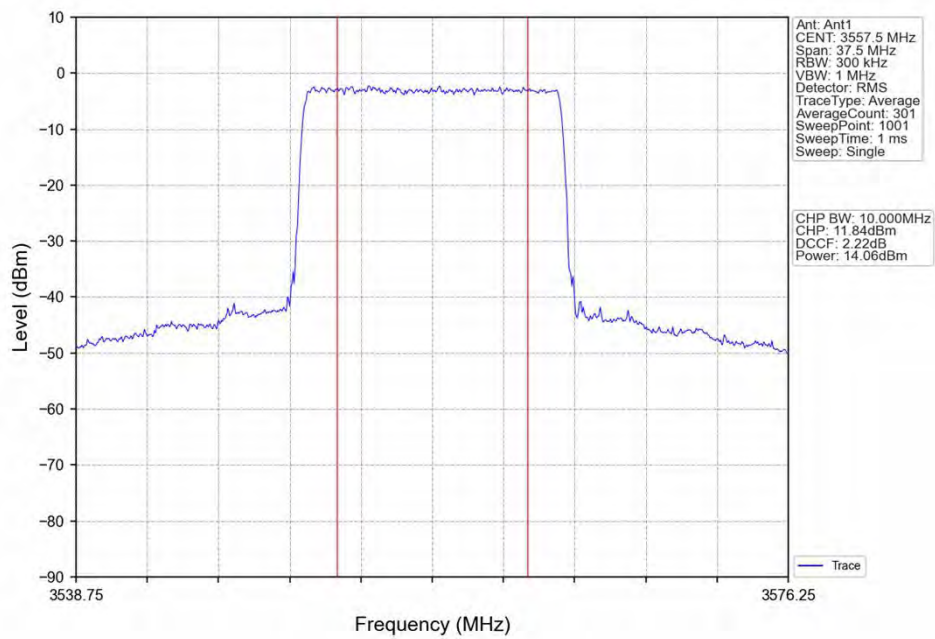
Band48 15MHz 256QAM LCH 3557.5MHz RB 36 18 NTNV



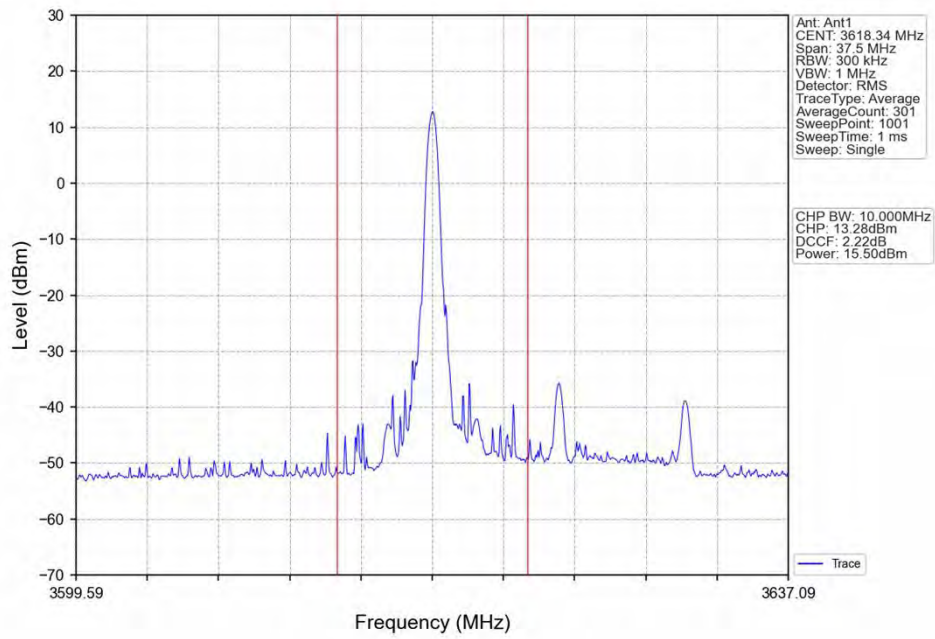
Band48 15MHz 256QAM LCH 3557.5MHz RB 36 39 NTN



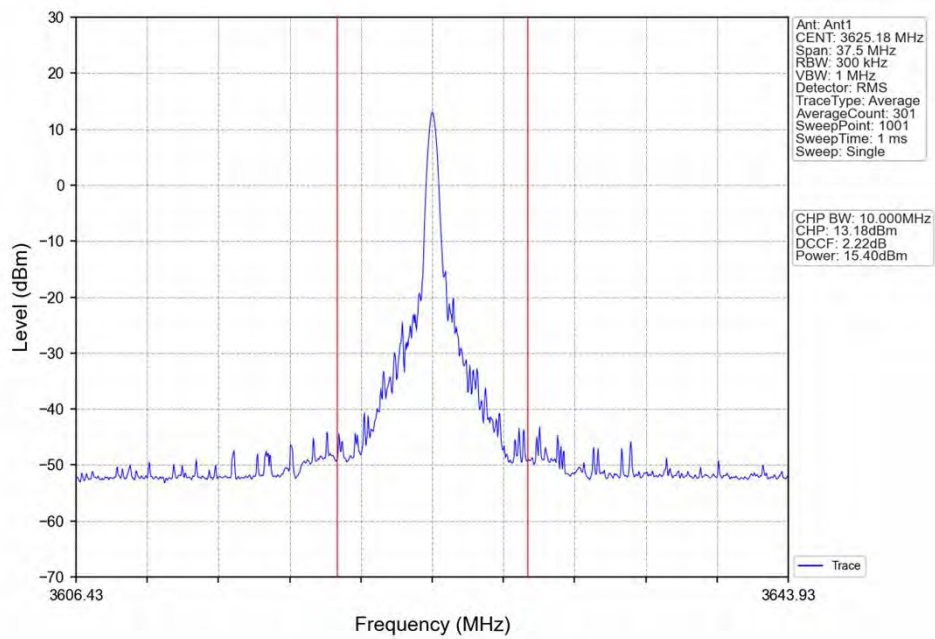
Band48 15MHz 256QAM LCH 3557.5MHz RB 75 0 NTN



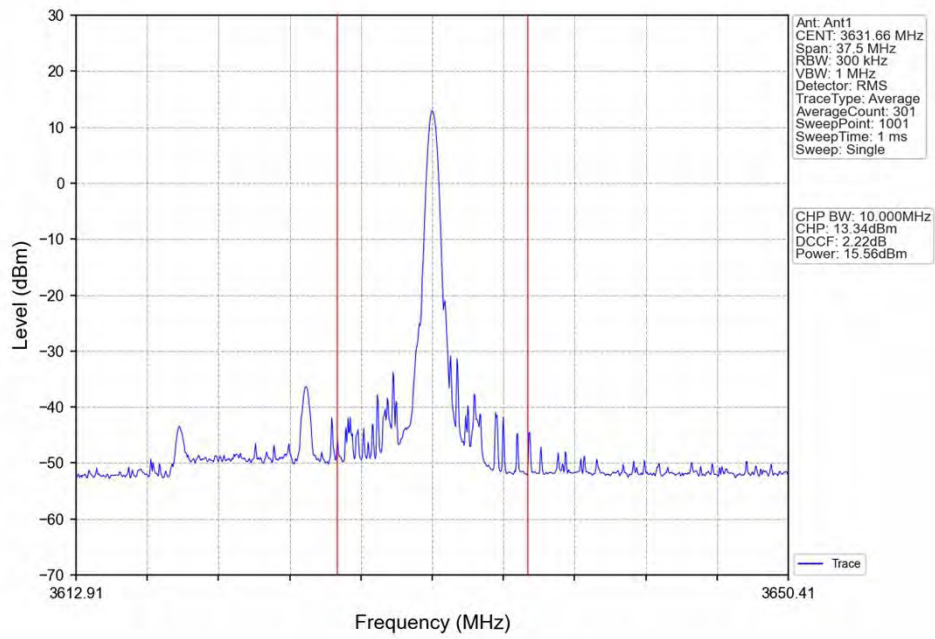
Band48\_15MHz\_256QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



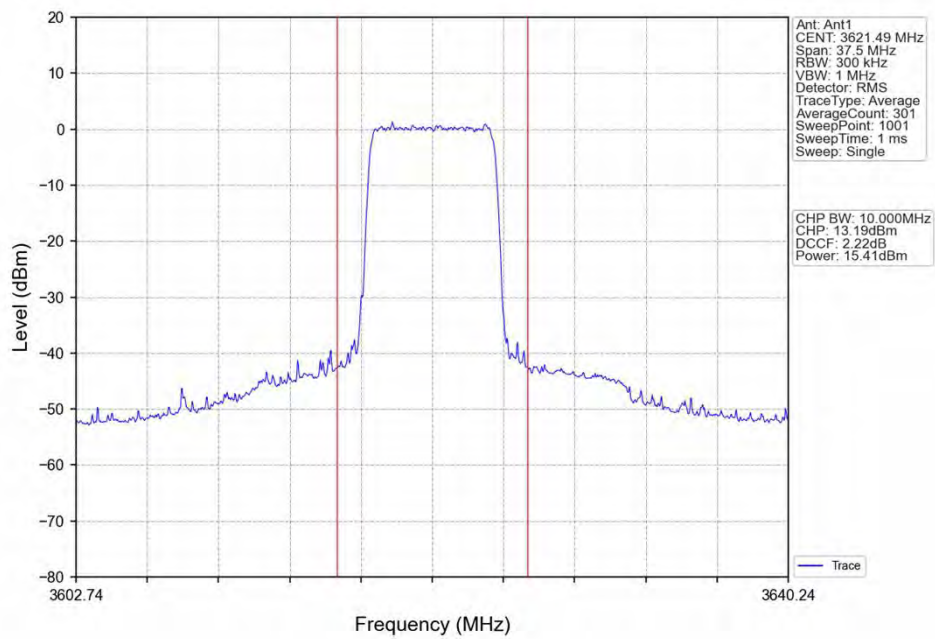
Band48\_15MHz\_256QAM\_MCH\_3625MHz\_RB\_1\_38\_NTNV



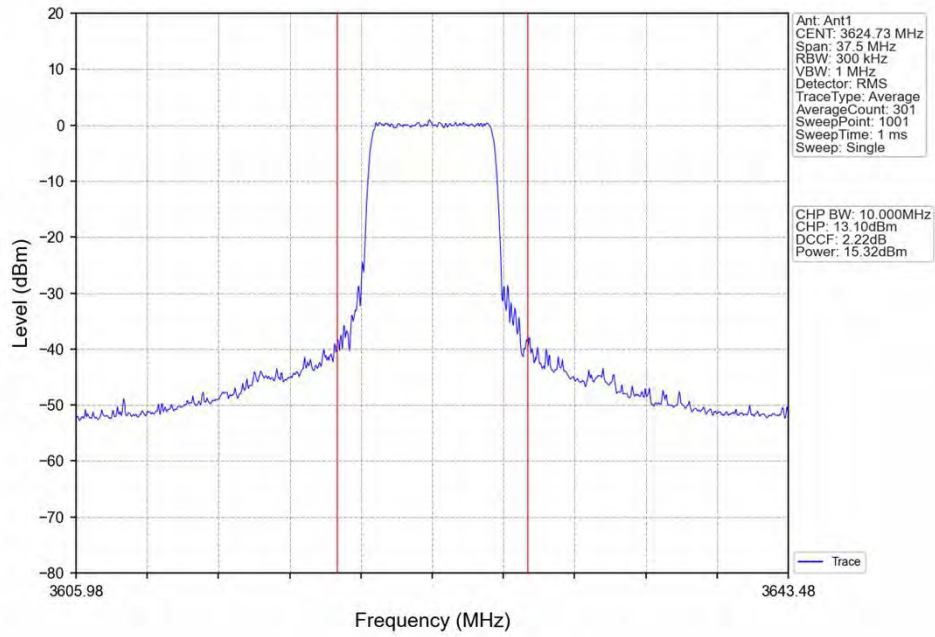
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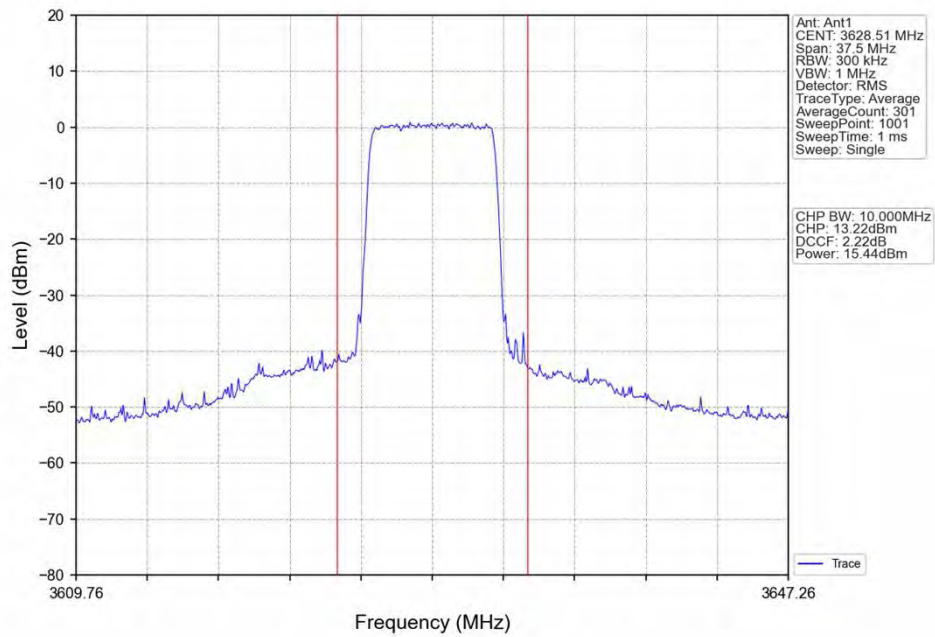
Band48\_15MHz\_256QAM\_MCH\_3625MHz\_RB\_36\_0\_NTNV



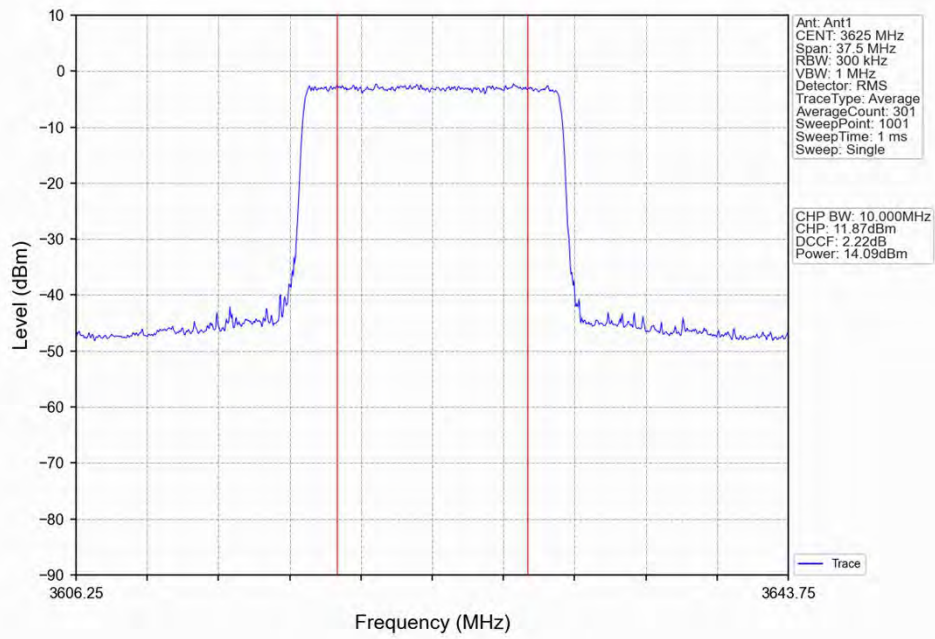
Band48 15MHz 256QAM MCH 3625MHz RB 36 18 NTN



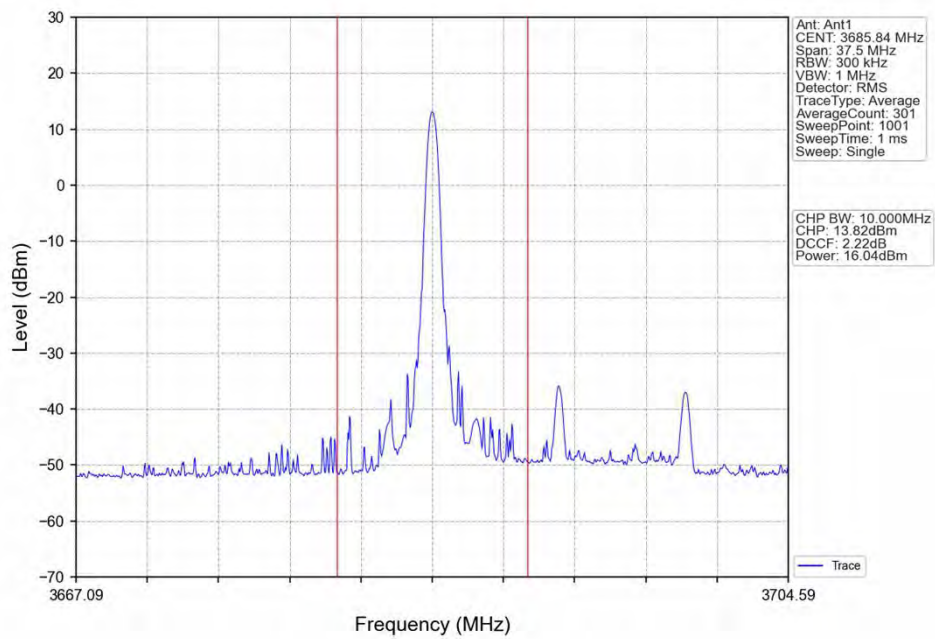
Band48 15MHz 256QAM MCH 3625MHz RB 36 39 NTN



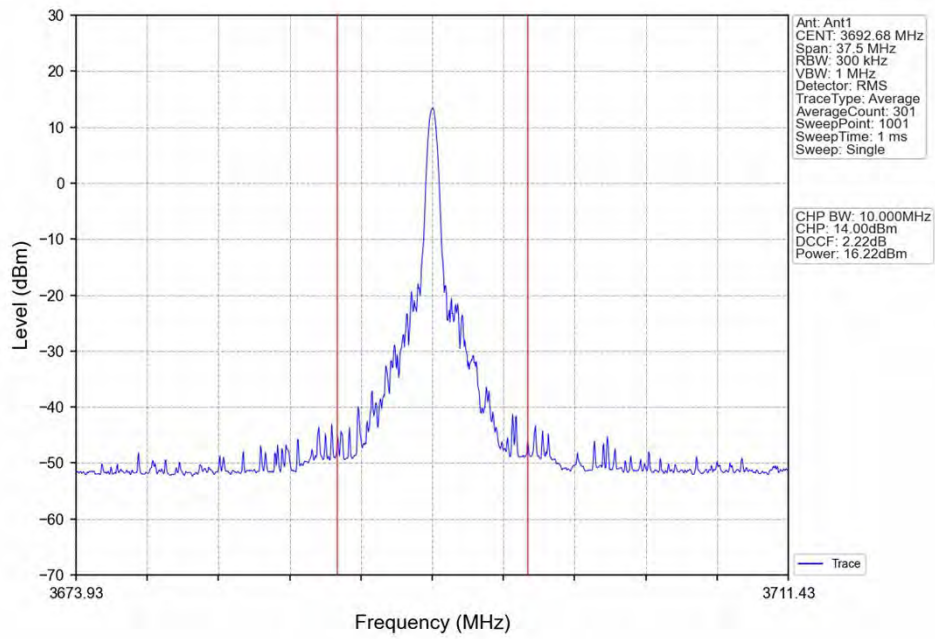
Band48\_15MHz\_256QAM\_MCH\_3625MHz\_RB\_75\_0\_NTNV



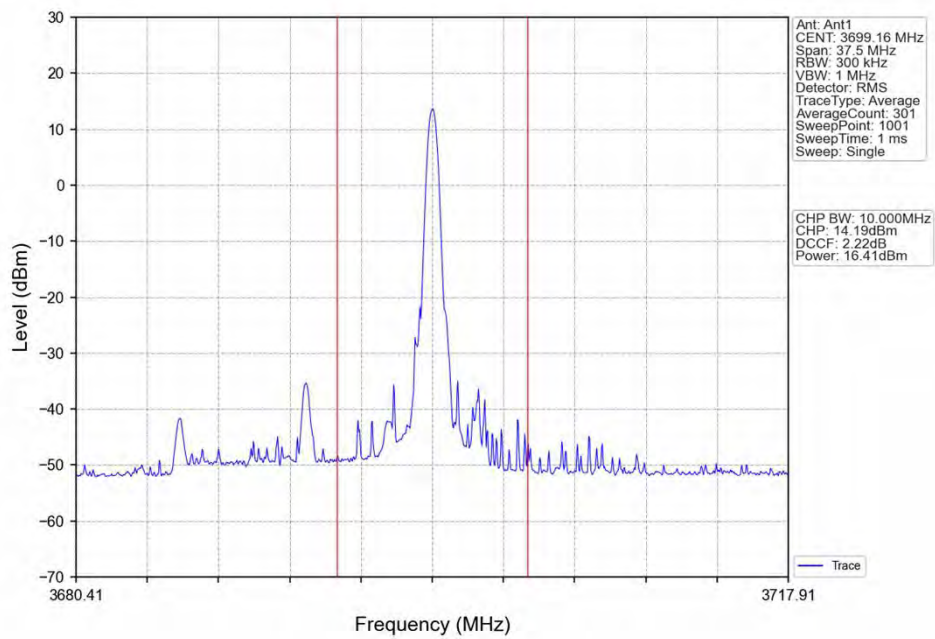
Band48\_15MHz\_256QAM\_HCH\_3692.5MHz\_RB\_1\_0\_NTNV



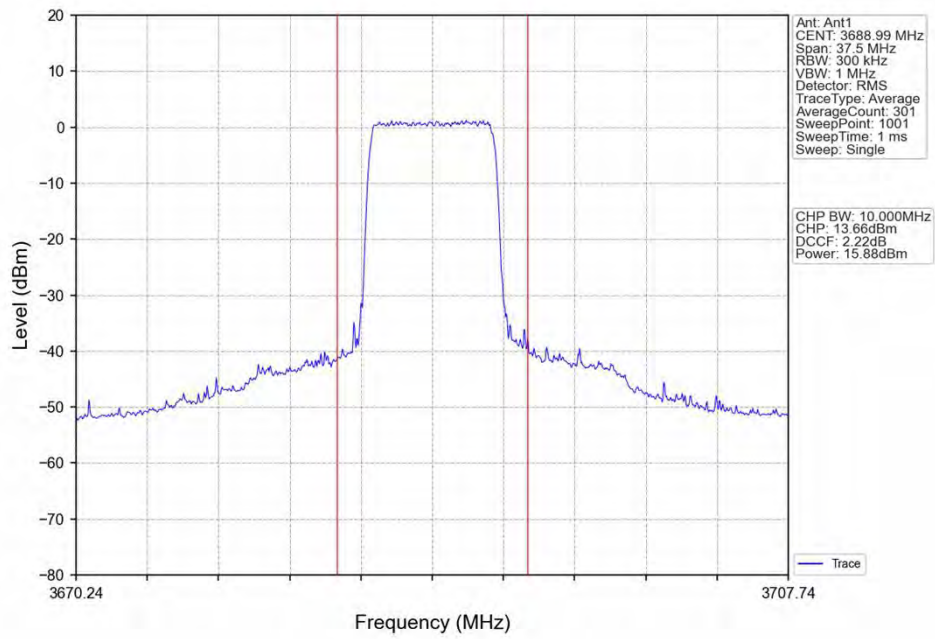
Band48 15MHz 256QAM HCH 3692.5MHz RB 1 38 NTN



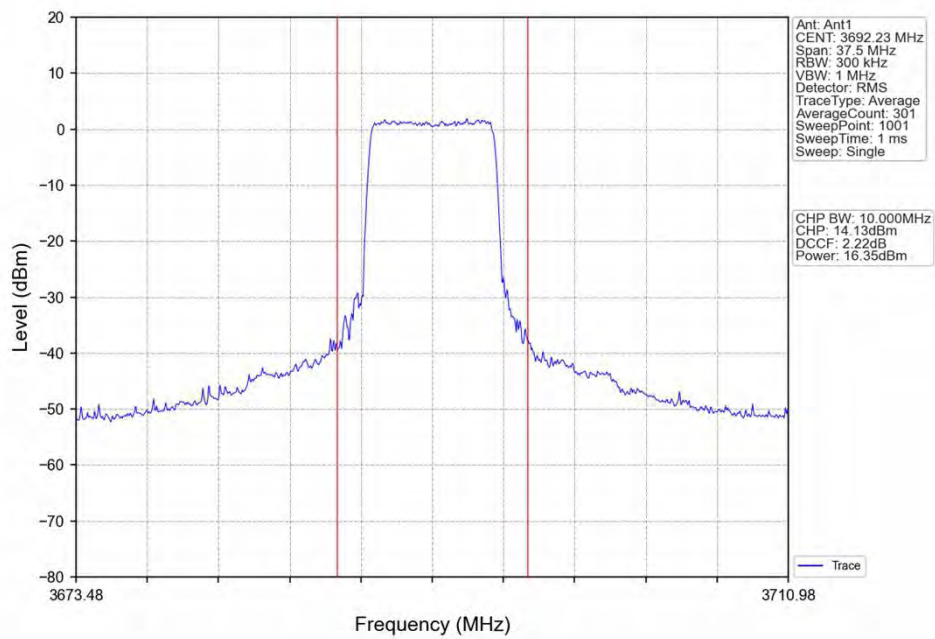
Band48 15MHz 256QAM HCH 3692.5MHz RB 1 74 NTN



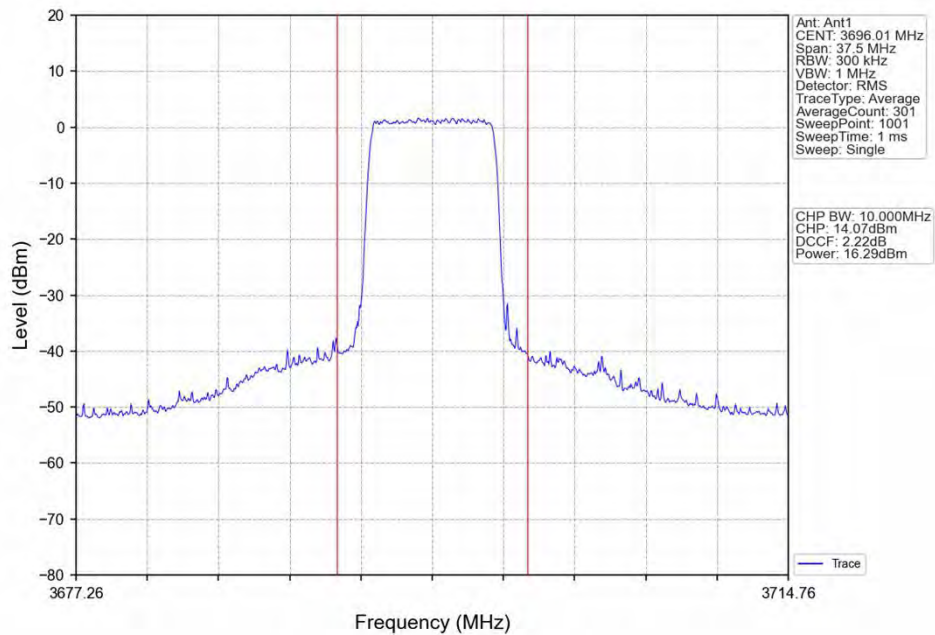
Band48\_15MHz\_256QAM\_HCH\_3692.5MHz\_RB\_36\_0\_NTNV



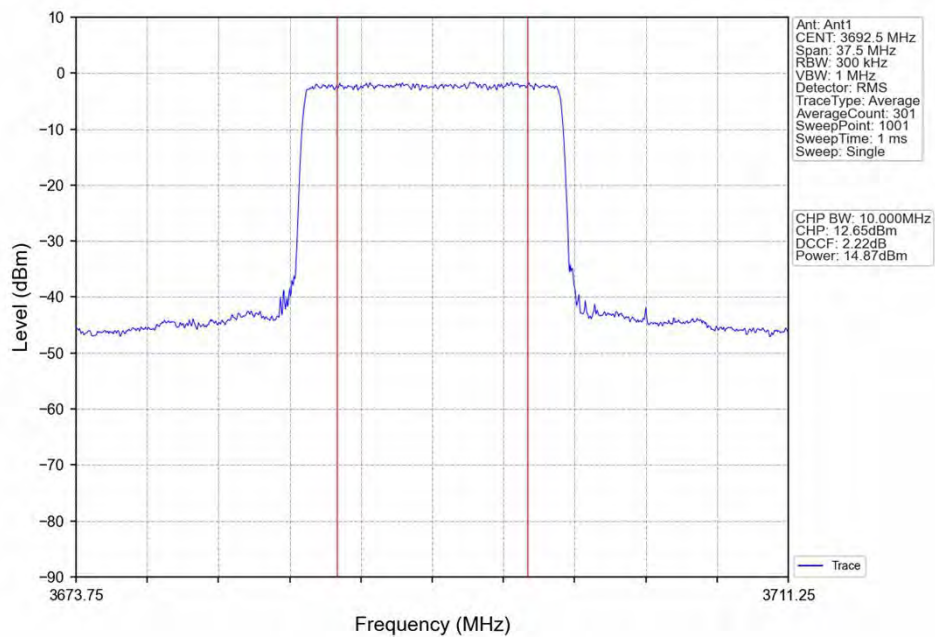
Band48\_15MHz\_256QAM\_HCH\_3692.5MHz\_RB\_36\_18\_NTNV



Band48 15MHz 256QAM HCH 3692.5MHz RB 36 39 NTN



Band48 15MHz 256QAM HCH 3692.5MHz RB 75 0 NTN



## 1.7 B48\_20MHz\_EIRP

### 1.7.1 Test Result

| Band: 48 / Bandwidth: 20MHz / NTV |                 |               |        |                           |            |                |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------------|------------|----------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm/MHz) | Gain (dBi) | EIRP (dBm/MHz) |       | Verdict |
|                                   |                 | Size          | Offset |                           |            | Result         | Limit |         |
| QPSK                              | 3560            | 1             | 0      | 15.40                     | 5.33       | 20.73          | <=23  | Pass    |
|                                   |                 |               | 50     | 15.49                     | 5.33       | 20.82          | <=23  | Pass    |
|                                   |                 |               | 99     | 15.27                     | 5.33       | 20.60          | <=23  | Pass    |
|                                   |                 | 50            | 0      | 15.52                     | 5.33       | 20.85          | <=23  | Pass    |
|                                   |                 |               | 25     | 15.54                     | 5.33       | 20.87          | <=23  | Pass    |
|                                   |                 |               | 50     | 15.54                     | 5.33       | 20.87          | <=23  | Pass    |
|                                   |                 | 100           | 0      | 15.56                     | 5.33       | 20.89          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.86                     | 5.33       | 21.19          | <=23  | Pass    |
|                                   |                 |               | 50     | 15.64                     | 5.33       | 20.97          | <=23  | Pass    |
|                                   | 3625            | 1             | 99     | 15.67                     | 5.33       | 21.00          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.81                     | 5.33       | 21.14          | <=23  | Pass    |
|                                   |                 |               | 25     | 15.80                     | 5.33       | 21.13          | <=23  | Pass    |
|                                   |                 | 50            | 50     | 15.81                     | 5.33       | 21.14          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.80                     | 5.33       | 21.13          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.80                     | 5.33       | 21.13          | <=23  | Pass    |
|                                   |                 | 100           | 0      | 16.23                     | 5.33       | 21.56          | <=23  | Pass    |
|                                   |                 |               | 50     | 16.42                     | 5.33       | 21.75          | <=23  | Pass    |
|                                   |                 |               | 99     | 16.45                     | 5.33       | 21.78          | <=23  | Pass    |
|                                   | 3690            | 1             | 0      | 16.27                     | 5.33       | 21.60          | <=23  | Pass    |
|                                   |                 |               | 25     | 16.41                     | 5.33       | 21.74          | <=23  | Pass    |
|                                   |                 |               | 50     | 16.56                     | 5.33       | 21.89          | <=23  | Pass    |
|                                   |                 | 50            | 0      | 16.42                     | 5.33       | 21.75          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.54                     | 5.33       | 20.87          | <=23  | Pass    |
|                                   |                 |               | 50     | 15.54                     | 5.33       | 20.87          | <=23  | Pass    |
|                                   |                 | 50            | 99     | 15.32                     | 5.33       | 20.65          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.45                     | 5.33       | 20.78          | <=23  | Pass    |
|                                   |                 |               | 25     | 15.64                     | 5.33       | 20.97          | <=23  | Pass    |
| 16QAM                             | 3560            | 1             | 50     | 15.56                     | 5.33       | 20.89          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.50                     | 5.33       | 20.83          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.59                     | 5.33       | 20.92          | <=23  | Pass    |
|                                   |                 | 50            | 50     | 15.47                     | 5.33       | 20.80          | <=23  | Pass    |
|                                   |                 |               | 99     | 15.45                     | 5.33       | 20.78          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.81                     | 5.33       | 21.14          | <=23  | Pass    |
|                                   |                 | 50            | 25     | 15.76                     | 5.33       | 21.09          | <=23  | Pass    |
|                                   |                 |               | 50     | 15.79                     | 5.33       | 21.12          | <=23  | Pass    |
|                                   |                 |               | 0      | 15.72                     | 5.33       | 21.05          | <=23  | Pass    |
|                                   | 3625            | 1             | 0      | 16.34                     | 5.33       | 21.67          | <=23  | Pass    |
|                                   |                 |               | 50     | 16.42                     | 5.33       | 21.75          | <=23  | Pass    |
|                                   |                 |               | 99     | 16.55                     | 5.33       | 21.88          | <=23  | Pass    |
|                                   |                 | 50            | 0      | 16.22                     | 5.33       | 21.55          | <=23  | Pass    |
|                                   |                 |               | 25     | 16.48                     | 5.33       | 21.81          | <=23  | Pass    |
|                                   |                 |               | 50     | 16.47                     | 5.33       | 21.80          | <=23  | Pass    |
|                                   |                 | 100           | 0      | 16.51                     | 5.33       | 21.84          | <=23  | Pass    |
|                                   |                 |               | 0      | 16.14                     | 5.33       | 21.47          | <=23  | Pass    |
|                                   |                 |               | 50     | 16.39                     | 5.33       | 21.72          | <=23  | Pass    |
| 64QAM                             | 3560            | 1             | 99     | 16.53                     | 5.33       | 21.86          | <=23  | Pass    |
|                                   |                 |               | 0      | 16.44                     | 5.33       | 21.77          | <=23  | Pass    |
|                                   |                 |               | 25     | 16.59                     | 5.33       | 21.92          | <=23  | Pass    |
|                                   |                 | 50            | 50     | 16.63                     | 5.33       | 21.96          | <=23  | Pass    |
|                                   |                 |               | 0      | 16.65                     | 5.33       | 21.98          | <=23  | Pass    |

|        |      |     |    |       |      |       |      |      |
|--------|------|-----|----|-------|------|-------|------|------|
|        | 3625 | 1   | 0  | 16.95 | 5.33 | 22.28 | <=23 | Pass |
|        |      |     | 50 | 16.81 | 5.33 | 22.14 | <=23 | Pass |
|        |      |     | 99 | 16.74 | 5.33 | 22.07 | <=23 | Pass |
|        |      | 50  | 0  | 16.91 | 5.33 | 22.24 | <=23 | Pass |
|        |      |     | 25 | 16.92 | 5.33 | 22.25 | <=23 | Pass |
|        |      |     | 50 | 16.86 | 5.33 | 22.19 | <=23 | Pass |
|        |      | 100 | 0  | 16.85 | 5.33 | 22.18 | <=23 | Pass |
|        |      |     | 0  | 17.09 | 5.33 | 22.42 | <=23 | Pass |
|        |      |     | 50 | 17.09 | 5.33 | 22.42 | <=23 | Pass |
|        | 3690 | 1   | 99 | 17.11 | 5.33 | 22.44 | <=23 | Pass |
|        |      |     | 0  | 16.98 | 5.33 | 22.31 | <=23 | Pass |
|        |      |     | 25 | 17.18 | 5.33 | 22.51 | <=23 | Pass |
|        |      | 50  | 50 | 17.18 | 5.33 | 22.51 | <=23 | Pass |
|        |      |     | 0  | 17.21 | 5.33 | 22.54 | <=23 | Pass |
|        |      |     | 0  | 16.32 | 5.33 | 21.65 | <=23 | Pass |
|        |      | 100 | 50 | 16.65 | 5.33 | 21.98 | <=23 | Pass |
|        |      |     | 99 | 16.67 | 5.33 | 22.00 | <=23 | Pass |
|        |      |     | 0  | 16.47 | 5.33 | 21.80 | <=23 | Pass |
| 256QAM | 3560 | 1   | 25 | 16.61 | 5.33 | 21.94 | <=23 | Pass |
|        |      |     | 50 | 16.71 | 5.33 | 22.04 | <=23 | Pass |
|        |      |     | 0  | 16.63 | 5.33 | 21.96 | <=23 | Pass |
|        |      | 50  | 0  | 16.91 | 5.33 | 22.24 | <=23 | Pass |
|        |      |     | 50 | 16.97 | 5.33 | 22.30 | <=23 | Pass |
|        |      |     | 99 | 16.98 | 5.33 | 22.31 | <=23 | Pass |
|        |      | 100 | 0  | 16.97 | 5.33 | 22.30 | <=23 | Pass |
|        |      |     | 25 | 16.95 | 5.33 | 22.28 | <=23 | Pass |
|        |      |     | 50 | 16.85 | 5.33 | 22.18 | <=23 | Pass |
|        | 3625 | 1   | 0  | 16.81 | 5.33 | 22.14 | <=23 | Pass |
|        |      |     | 0  | 17.04 | 5.33 | 22.37 | <=23 | Pass |
|        |      |     | 50 | 17.19 | 5.33 | 22.52 | <=23 | Pass |
|        |      | 50  | 99 | 17.18 | 5.33 | 22.51 | <=23 | Pass |
|        |      |     | 0  | 17.12 | 5.33 | 22.45 | <=23 | Pass |
|        |      |     | 25 | 17.28 | 5.33 | 22.61 | <=23 | Pass |
|        |      | 100 | 50 | 17.30 | 5.33 | 22.63 | <=23 | Pass |
|        |      |     | 0  | 17.25 | 5.33 | 22.58 | <=23 | Pass |
|        |      |     | 0  | 17.25 | 5.33 | 22.58 | <=23 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.8 B48\_20MHz\_EIRP/10MHz

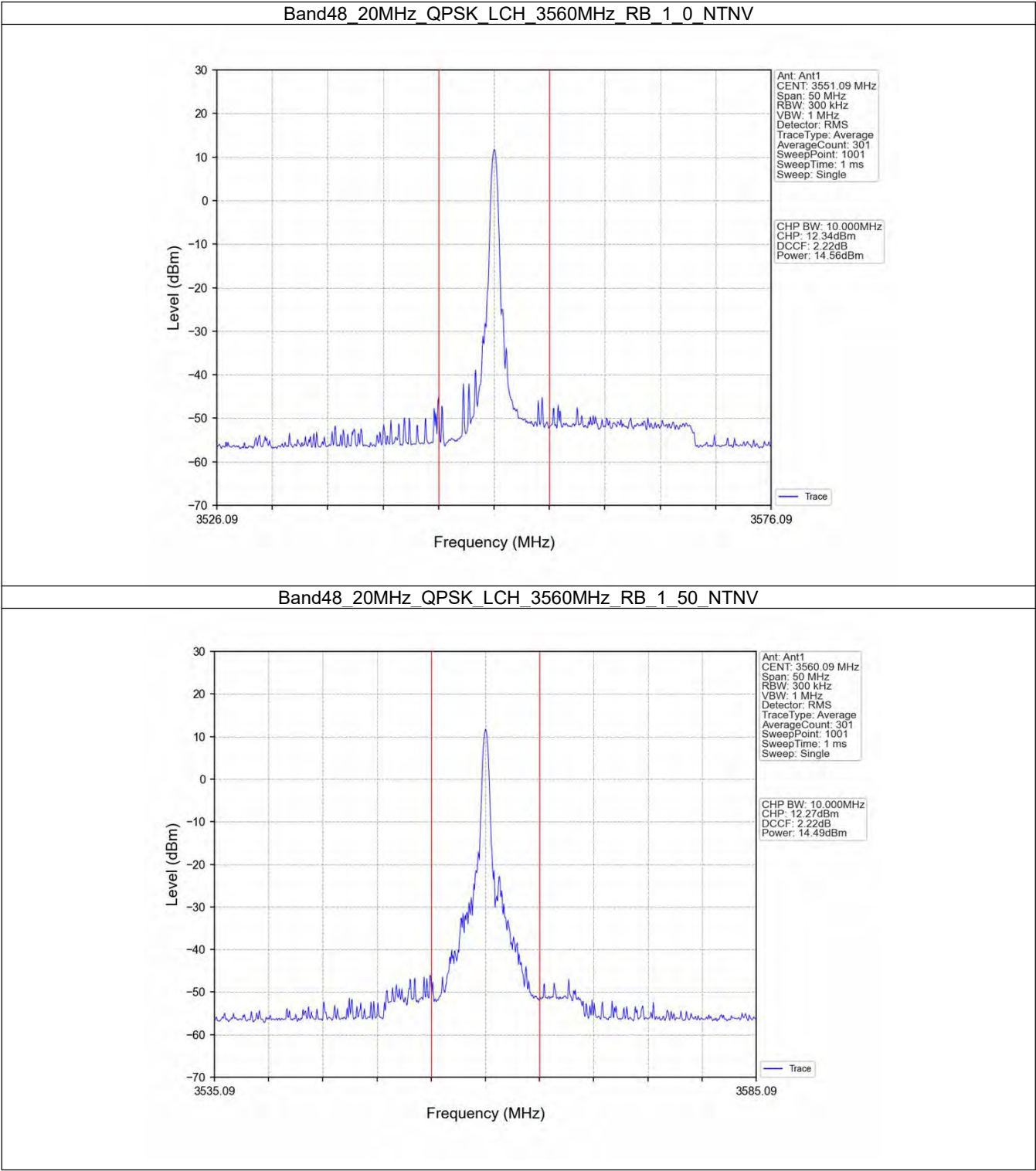
### 1.8.1 Test Result

| Band: 48 / Bandwidth: 20MHz / NTV |                 |               |        |                             |            |                        |       |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------------|------------|------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm/10MHz) | Gain (dBi) | EIRP/10MHz (dBm/10MHz) |       | Verdict |
|                                   |                 | Size          | Offset |                             |            | Result                 | Limit |         |
| QPSK                              | 3560            | 1             | 0      | 14.56                       | 5.33       | 19.89                  | <=23  | Pass    |
|                                   |                 |               | 50     | 14.49                       | 5.33       | 19.82                  | <=23  | Pass    |
|                                   |                 |               | 99     | 13.99                       | 5.33       | 19.32                  | <=23  | Pass    |
|                                   |                 | 50            | 0      | 14.43                       | 5.33       | 19.76                  | <=23  | Pass    |
|                                   |                 |               | 25     | 14.37                       | 5.33       | 19.70                  | <=23  | Pass    |
|                                   |                 |               | 50     | 14.27                       | 5.33       | 19.60                  | <=23  | Pass    |
|                                   |                 | 100           | 0      | 11.81                       | 5.33       | 17.14                  | <=23  | Pass    |
|                                   |                 |               | 0      | 15.12                       | 5.33       | 20.45                  | <=23  | Pass    |
|                                   |                 |               | 50     | 15.06                       | 5.33       | 20.39                  | <=23  | Pass    |
|                                   | 3625            | 1             | 99     | 15.19                       | 5.33       | 20.52                  | <=23  | Pass    |
|                                   |                 |               | 0      | 15.16                       | 5.33       | 20.49                  | <=23  | Pass    |
|                                   |                 |               | 25     | 15.14                       | 5.33       | 20.47                  | <=23  | Pass    |
|                                   |                 | 50            | 50     | 15.21                       | 5.33       | 20.54                  | <=23  | Pass    |

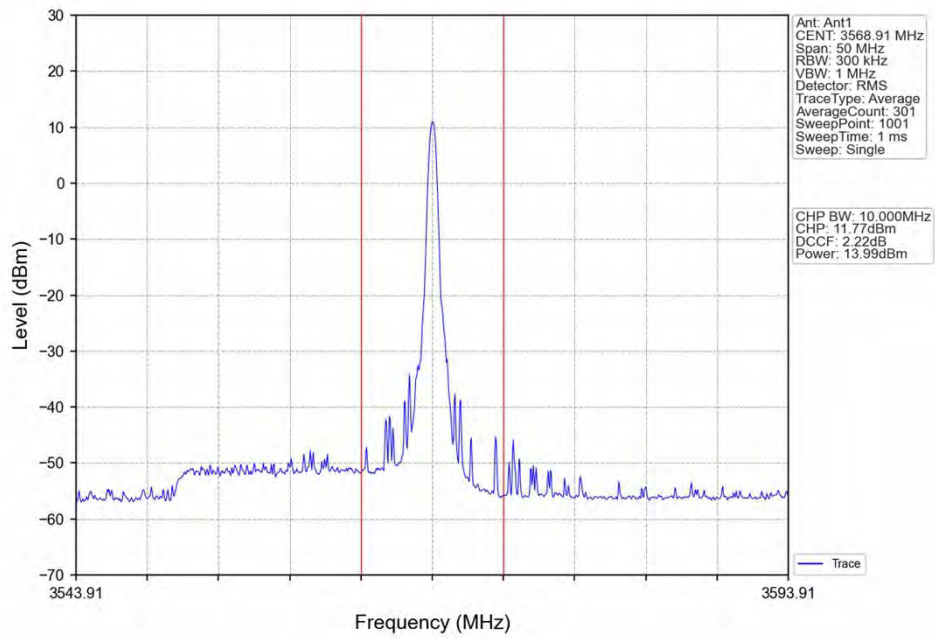
|        |      |     |    |       |      |       |      |      |
|--------|------|-----|----|-------|------|-------|------|------|
|        | 3690 | 100 | 0  | 12.63 | 5.33 | 17.96 | <=23 | Pass |
|        |      | 1   | 0  | 16.11 | 5.33 | 21.44 | <=23 | Pass |
|        |      |     | 50 | 16.30 | 5.33 | 21.63 | <=23 | Pass |
|        |      |     | 99 | 16.43 | 5.33 | 21.76 | <=23 | Pass |
|        |      | 50  | 0  | 16.34 | 5.33 | 21.67 | <=23 | Pass |
|        |      |     | 25 | 16.48 | 5.33 | 21.81 | <=23 | Pass |
|        |      |     | 50 | 16.36 | 5.33 | 21.69 | <=23 | Pass |
|        |      | 100 | 0  | 13.67 | 5.33 | 19.00 | <=23 | Pass |
| 16QAM  | 3560 | 1   | 0  | 14.70 | 5.33 | 20.03 | <=23 | Pass |
|        |      |     | 50 | 14.23 | 5.33 | 19.56 | <=23 | Pass |
|        |      |     | 99 | 14.37 | 5.33 | 19.70 | <=23 | Pass |
|        |      | 50  | 0  | 14.58 | 5.33 | 19.91 | <=23 | Pass |
|        |      |     | 25 | 14.69 | 5.33 | 20.02 | <=23 | Pass |
|        |      |     | 50 | 14.33 | 5.33 | 19.66 | <=23 | Pass |
|        |      | 100 | 0  | 11.93 | 5.33 | 17.26 | <=23 | Pass |
|        | 3625 | 1   | 0  | 15.30 | 5.33 | 20.63 | <=23 | Pass |
|        |      |     | 50 | 15.02 | 5.33 | 20.35 | <=23 | Pass |
|        |      |     | 99 | 15.48 | 5.33 | 20.81 | <=23 | Pass |
|        |      | 50  | 0  | 15.18 | 5.33 | 20.51 | <=23 | Pass |
|        |      |     | 25 | 15.25 | 5.33 | 20.58 | <=23 | Pass |
|        |      |     | 50 | 15.33 | 5.33 | 20.66 | <=23 | Pass |
|        |      | 100 | 0  | 12.64 | 5.33 | 17.97 | <=23 | Pass |
|        | 3690 | 1   | 0  | 16.36 | 5.33 | 21.69 | <=23 | Pass |
|        |      |     | 50 | 16.47 | 5.33 | 21.80 | <=23 | Pass |
|        |      |     | 99 | 16.29 | 5.33 | 21.62 | <=23 | Pass |
|        |      | 50  | 0  | 16.18 | 5.33 | 21.51 | <=23 | Pass |
|        |      |     | 25 | 16.36 | 5.33 | 21.69 | <=23 | Pass |
|        |      |     | 50 | 16.44 | 5.33 | 21.77 | <=23 | Pass |
|        |      | 100 | 0  | 13.96 | 5.33 | 19.29 | <=23 | Pass |
| 64QAM  | 3560 | 1   | 0  | 15.75 | 5.33 | 21.08 | <=23 | Pass |
|        |      |     | 50 | 15.18 | 5.33 | 20.51 | <=23 | Pass |
|        |      |     | 99 | 15.13 | 5.33 | 20.46 | <=23 | Pass |
|        |      | 50  | 0  | 15.30 | 5.33 | 20.63 | <=23 | Pass |
|        |      |     | 25 | 15.47 | 5.33 | 20.80 | <=23 | Pass |
|        |      |     | 50 | 15.13 | 5.33 | 20.46 | <=23 | Pass |
|        |      | 100 | 0  | 12.91 | 5.33 | 18.24 | <=23 | Pass |
|        | 3625 | 1   | 0  | 15.85 | 5.33 | 21.18 | <=23 | Pass |
|        |      |     | 50 | 15.70 | 5.33 | 21.03 | <=23 | Pass |
|        |      |     | 99 | 15.71 | 5.33 | 21.04 | <=23 | Pass |
|        |      | 50  | 0  | 15.77 | 5.33 | 21.10 | <=23 | Pass |
|        |      |     | 25 | 15.58 | 5.33 | 20.91 | <=23 | Pass |
|        |      |     | 50 | 15.64 | 5.33 | 20.97 | <=23 | Pass |
|        |      | 100 | 0  | 12.98 | 5.33 | 18.31 | <=23 | Pass |
|        | 3690 | 1   | 0  | 16.00 | 5.33 | 21.33 | <=23 | Pass |
|        |      |     | 50 | 13.86 | 5.33 | 19.19 | <=23 | Pass |
|        |      |     | 99 | 13.83 | 5.33 | 19.16 | <=23 | Pass |
|        |      | 50  | 0  | 15.93 | 5.33 | 21.26 | <=23 | Pass |
|        |      |     | 25 | 13.73 | 5.33 | 19.06 | <=23 | Pass |
|        |      |     | 50 | 13.80 | 5.33 | 19.13 | <=23 | Pass |
|        |      | 100 | 0  | 11.39 | 5.33 | 16.72 | <=23 | Pass |
| 256QAM | 3560 | 1   | 0  | 15.62 | 5.33 | 20.95 | <=23 | Pass |
|        |      |     | 50 | 15.03 | 5.33 | 20.36 | <=23 | Pass |
|        |      |     | 99 | 15.03 | 5.33 | 20.36 | <=23 | Pass |
|        |      | 50  | 0  | 15.31 | 5.33 | 20.64 | <=23 | Pass |
|        |      |     | 25 | 15.38 | 5.33 | 20.71 | <=23 | Pass |
|        |      |     | 50 | 15.25 | 5.33 | 20.58 | <=23 | Pass |
|        |      | 100 | 0  | 12.72 | 5.33 | 18.05 | <=23 | Pass |
|        | 3625 | 1   | 0  | 15.70 | 5.33 | 21.03 | <=23 | Pass |
|        |      |     | 50 | 15.26 | 5.33 | 20.59 | <=23 | Pass |

|  |      |                                                     |     |       |       |       |       |      |      |
|--|------|-----------------------------------------------------|-----|-------|-------|-------|-------|------|------|
|  |      |                                                     | 99  | 15.14 | 5.33  | 20.47 | <=23  | Pass |      |
|  |      | 50                                                  | 0   | 15.48 | 5.33  | 20.81 | <=23  | Pass |      |
|  |      |                                                     | 25  | 15.50 | 5.33  | 20.83 | <=23  | Pass |      |
|  |      |                                                     | 50  | 15.47 | 5.33  | 20.80 | <=23  | Pass |      |
|  |      |                                                     | 100 | 0     | 12.82 | 5.33  | 18.15 | <=23 | Pass |
|  | 3690 | 1                                                   | 0   | 15.74 | 5.33  | 21.07 | <=23  | Pass |      |
|  |      |                                                     | 50  | 15.91 | 5.33  | 21.24 | <=23  | Pass |      |
|  |      |                                                     | 99  | 16.19 | 5.33  | 21.52 | <=23  | Pass |      |
|  |      | 50                                                  | 0   | 15.74 | 5.33  | 21.07 | <=23  | Pass |      |
|  |      |                                                     | 25  | 16.05 | 5.33  | 21.38 | <=23  | Pass |      |
|  |      |                                                     | 50  | 15.67 | 5.33  | 21.00 | <=23  | Pass |      |
|  |      | 100                                                 | 0   | 13.38 | 5.33  | 18.71 | <=23  | Pass |      |
|  |      | Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15 |     |       |       |       |       |      |      |

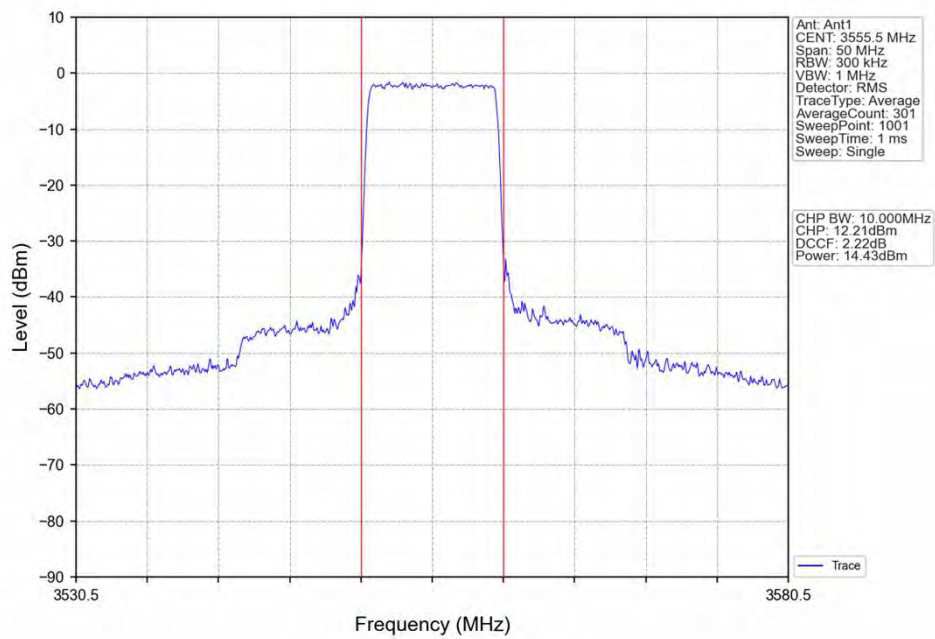
1.8.2 Test Graph



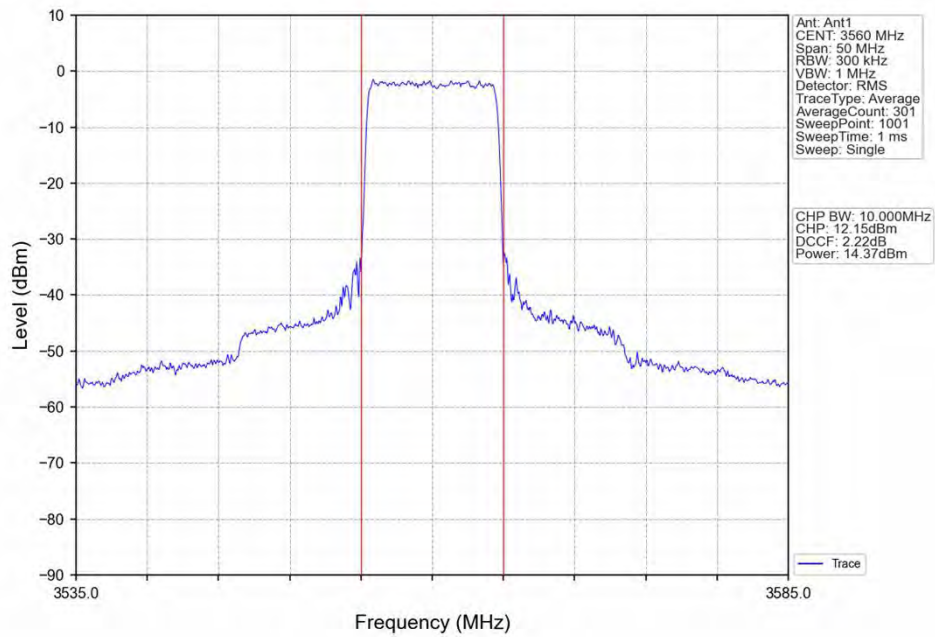
Band48\_20MHz\_QPSK\_LCH\_3560MHz\_RB\_1\_99\_NTNV



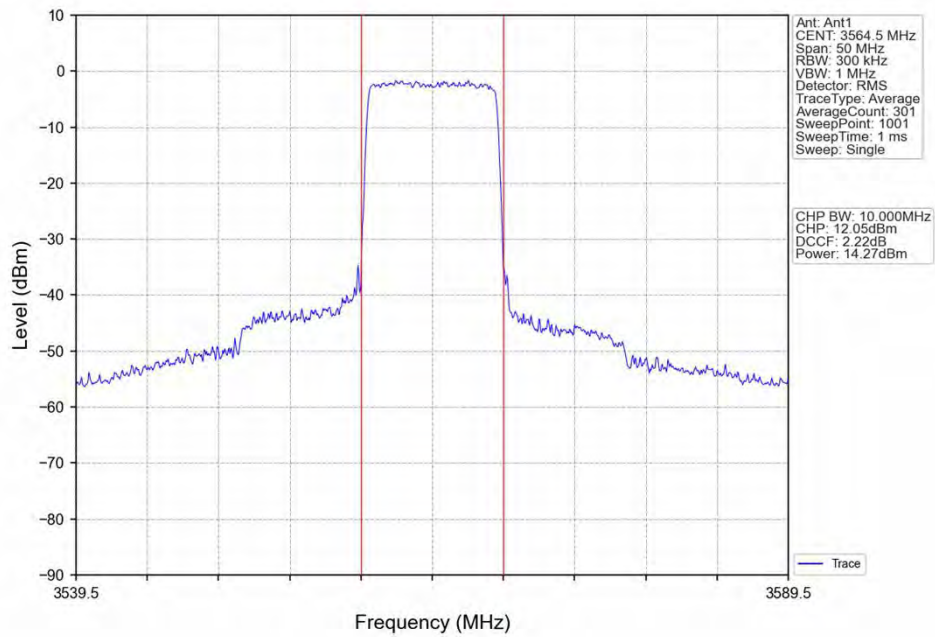
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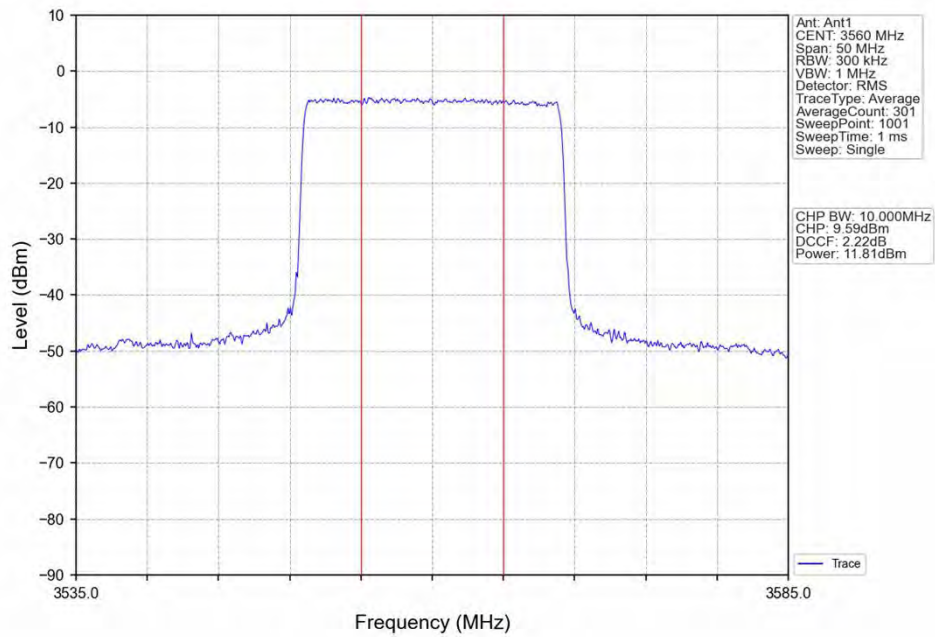
Band48 20MHz QPSK LCH 3560MHz RB 50 25 NTN



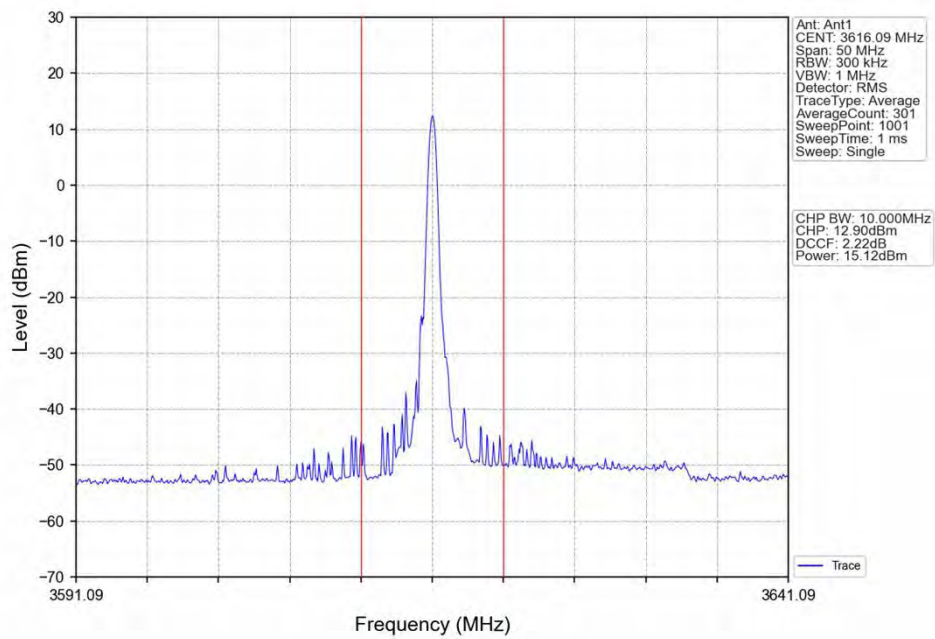
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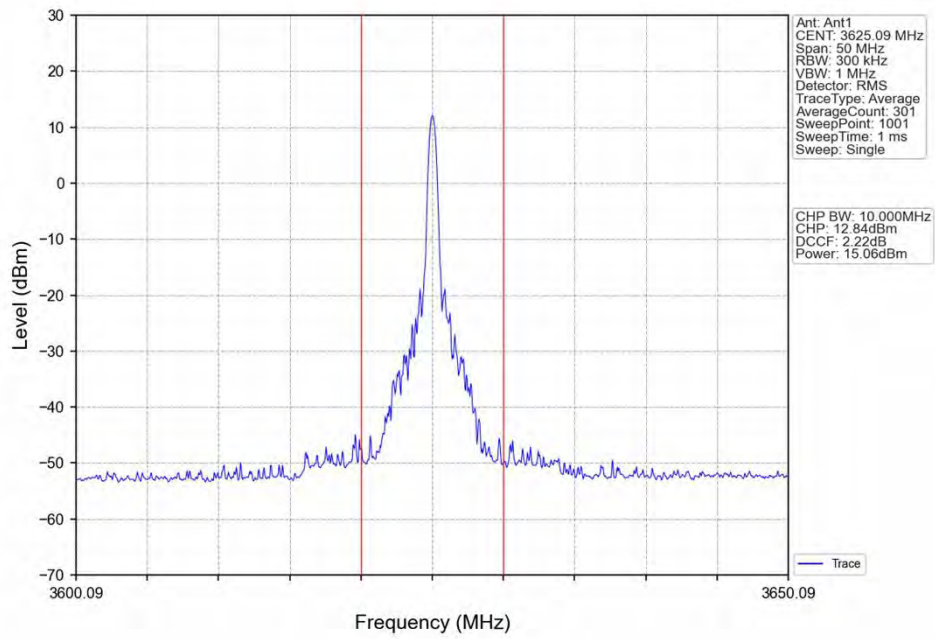
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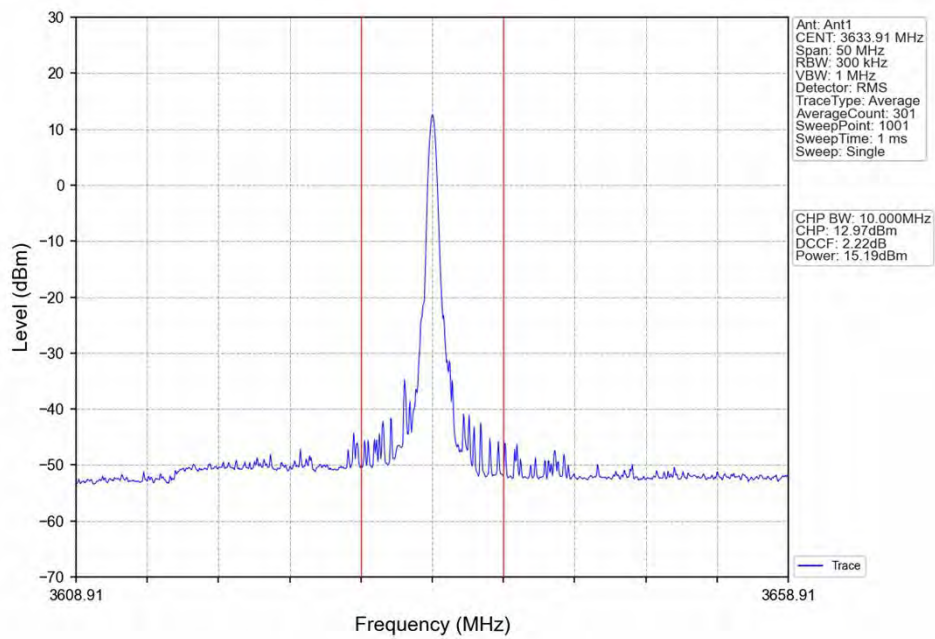
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTNV



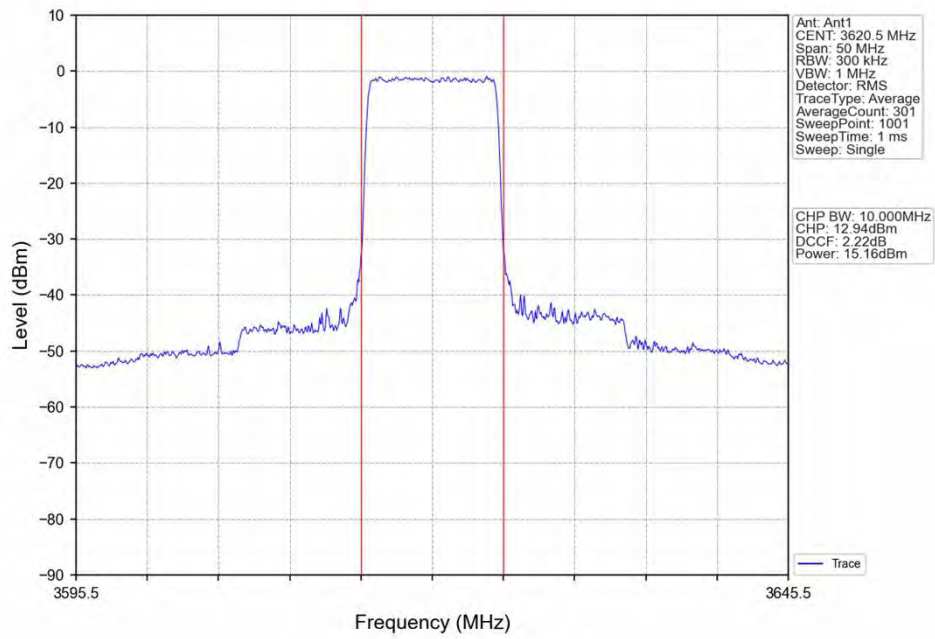
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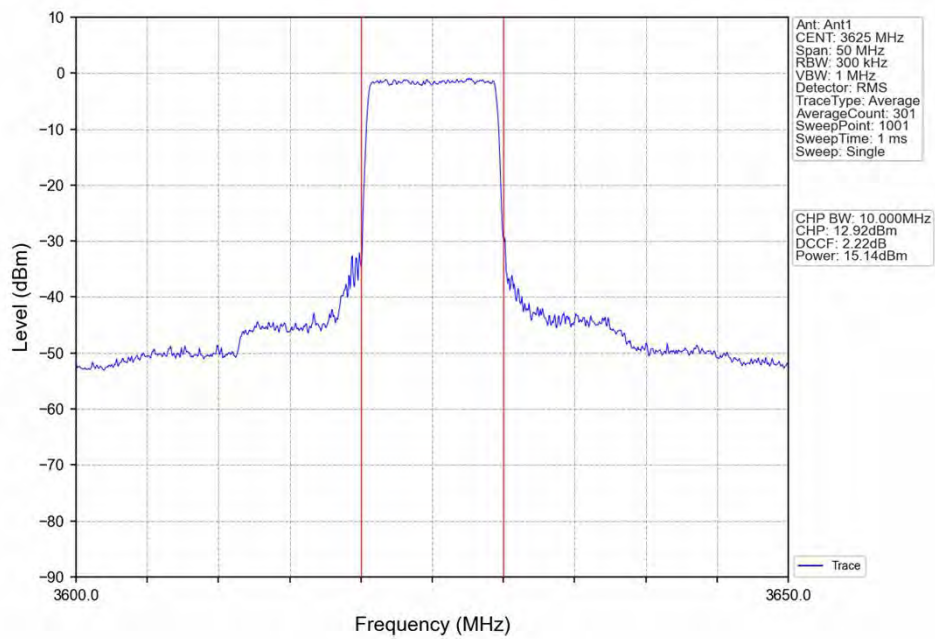
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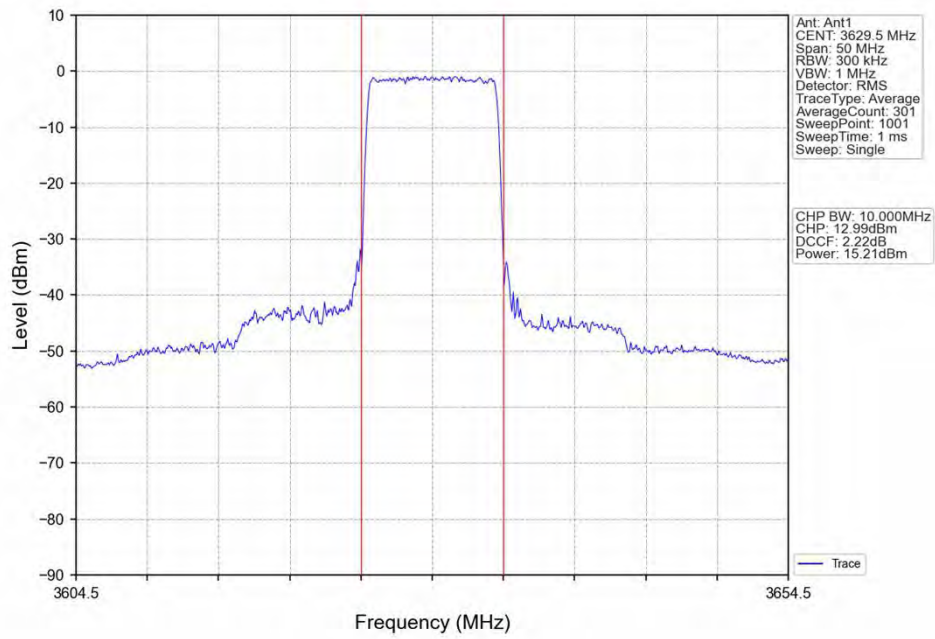
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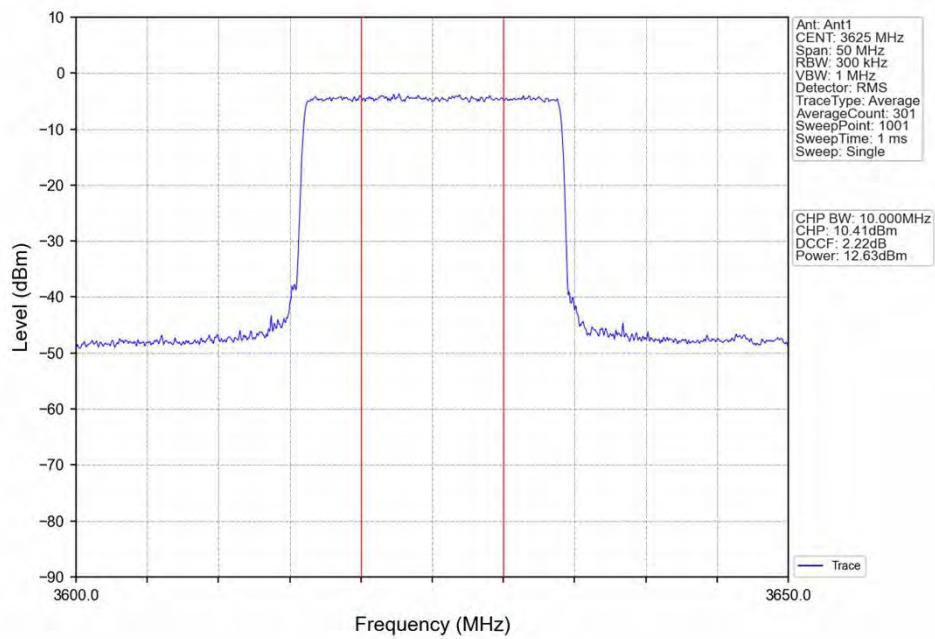
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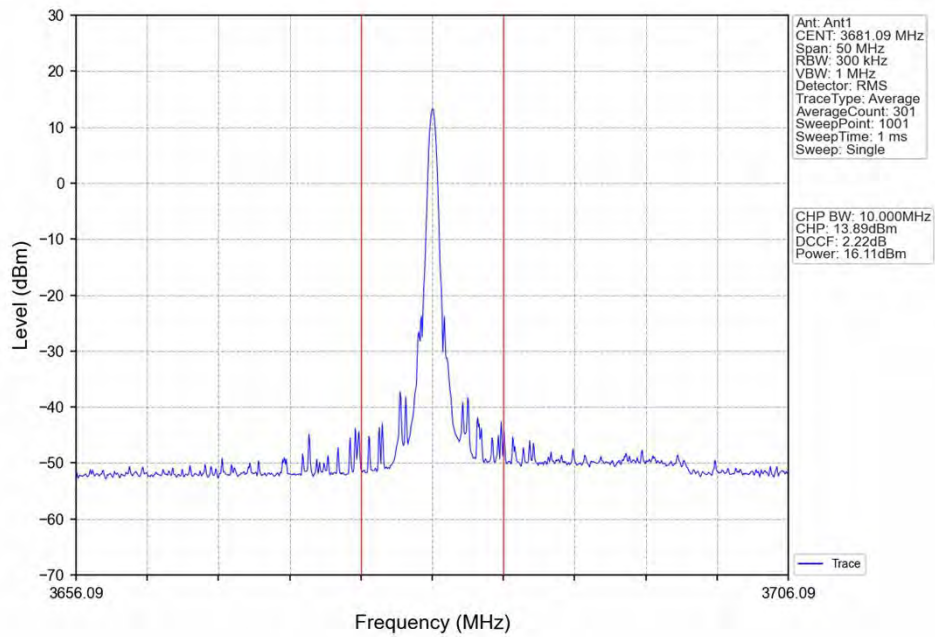
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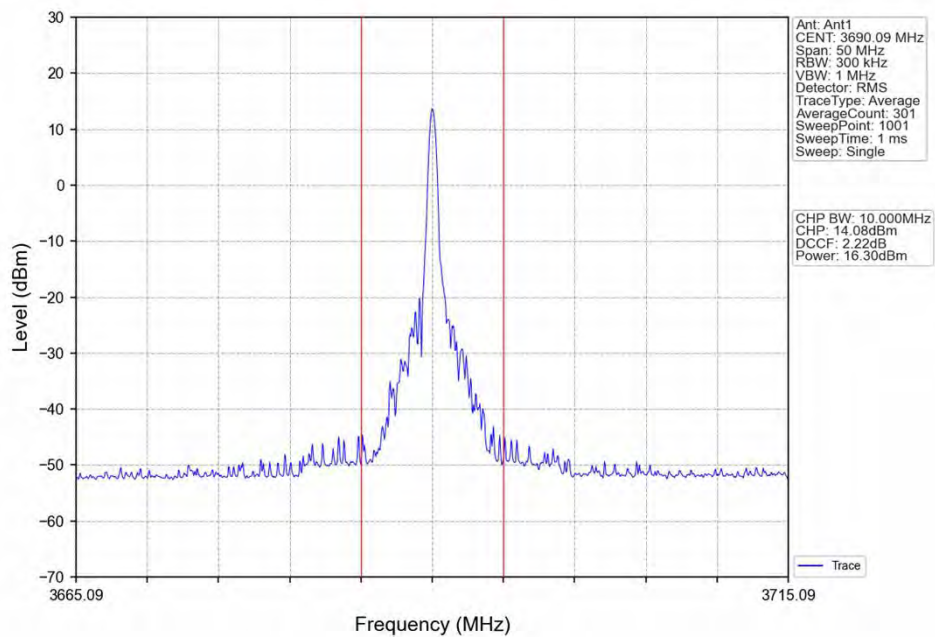
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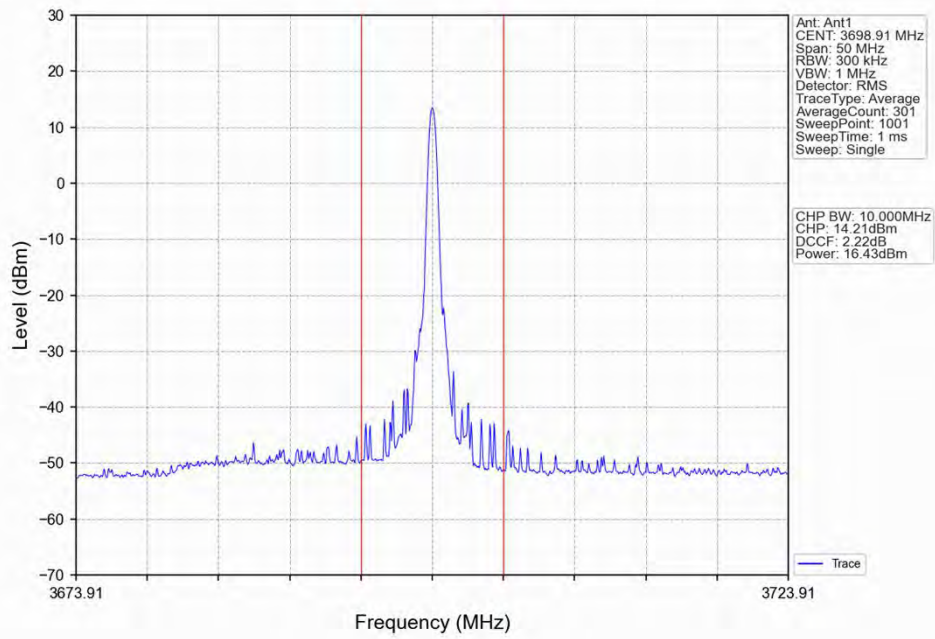
# Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_0\_NTNV



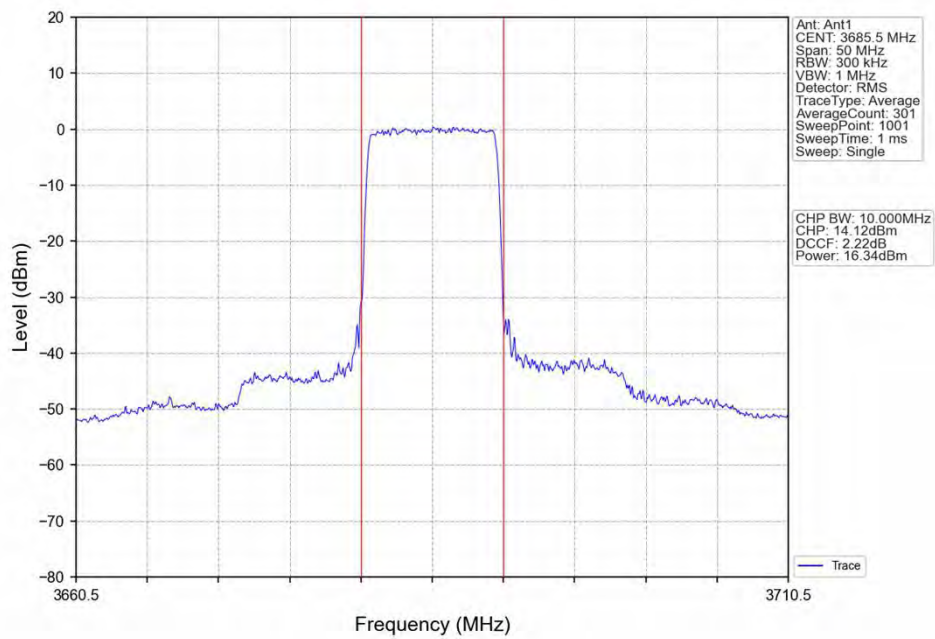
# Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_50\_NTNV



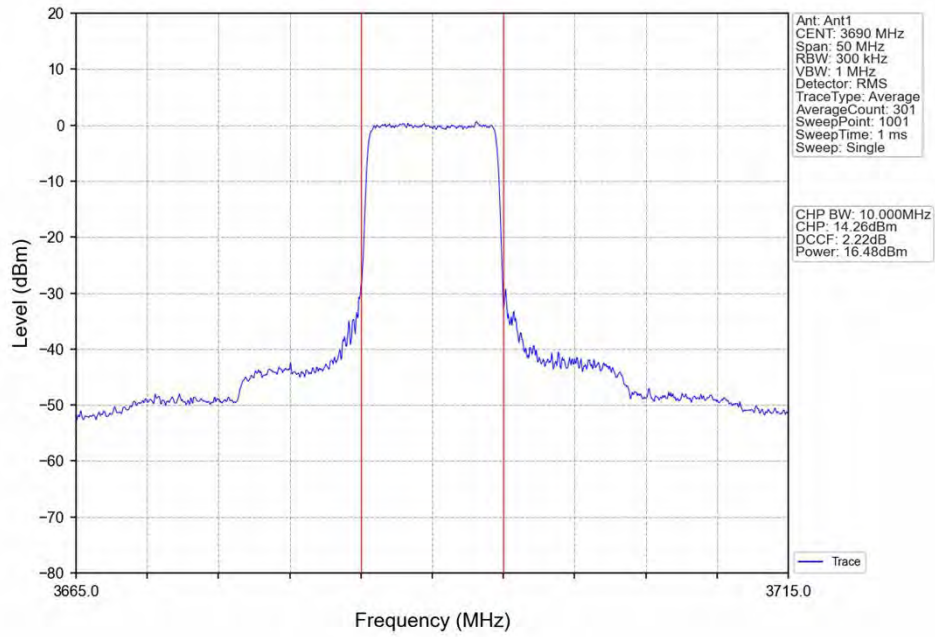
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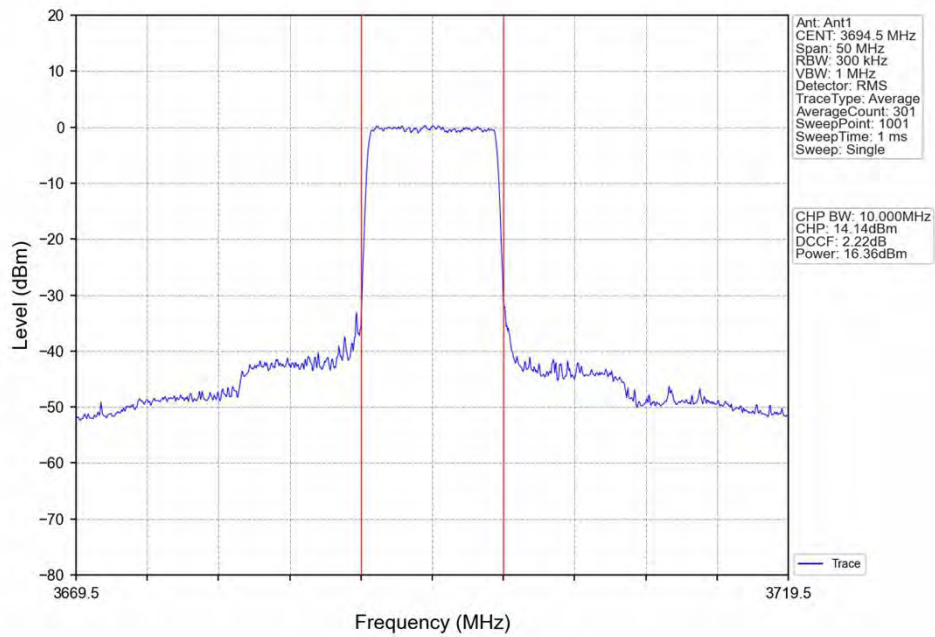
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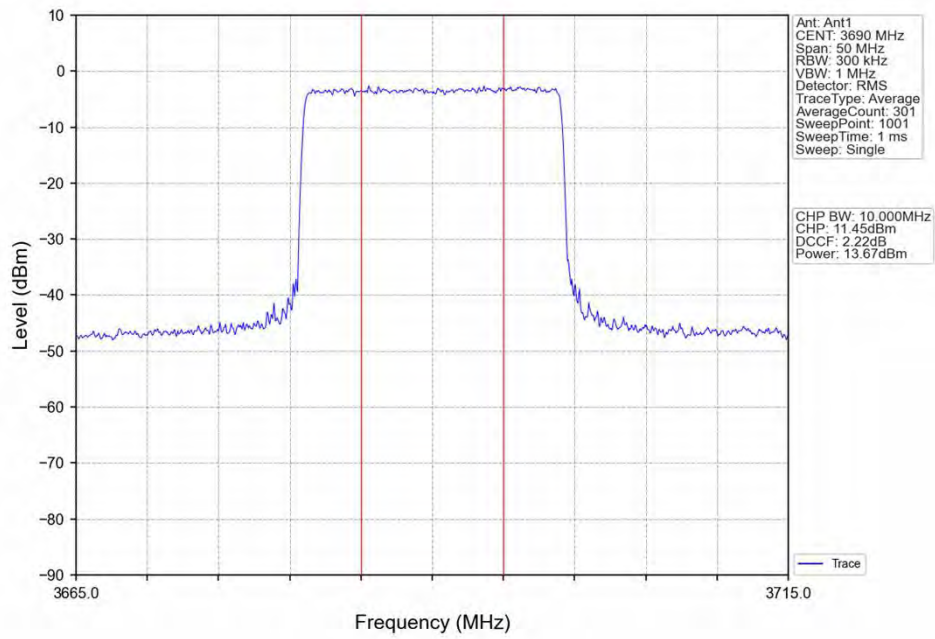
Band48 20MHz QPSK HCH 3690MHz RB 50 25 NTNV



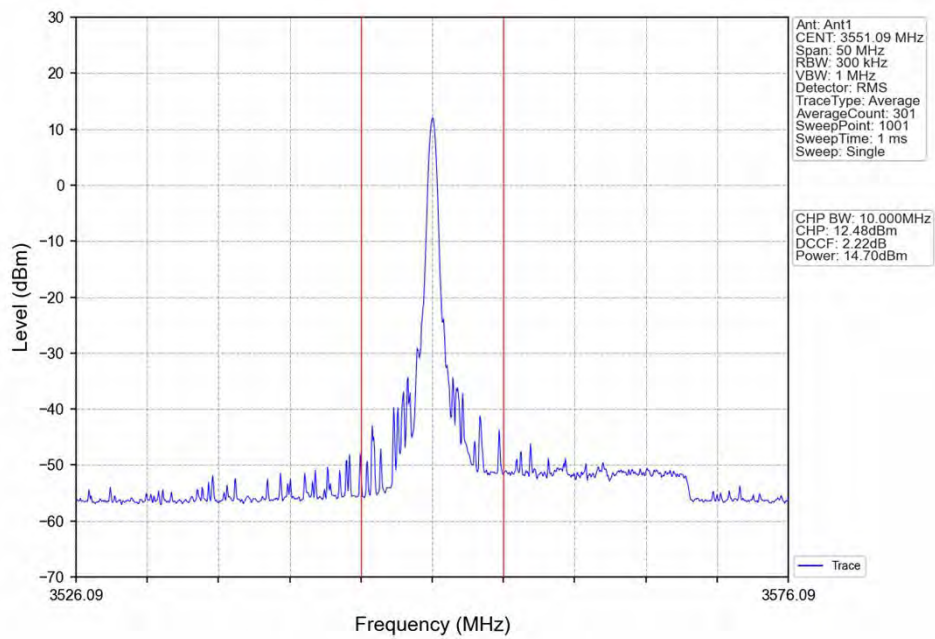
Band48 20MHz QPSK HCH 3690MHz RB 50 50 NTNV



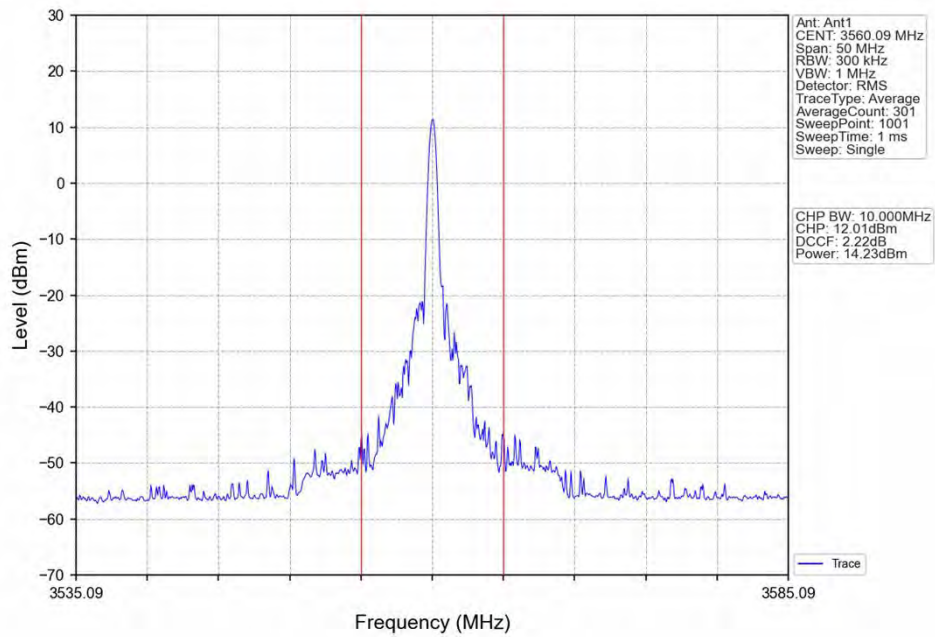
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTNV



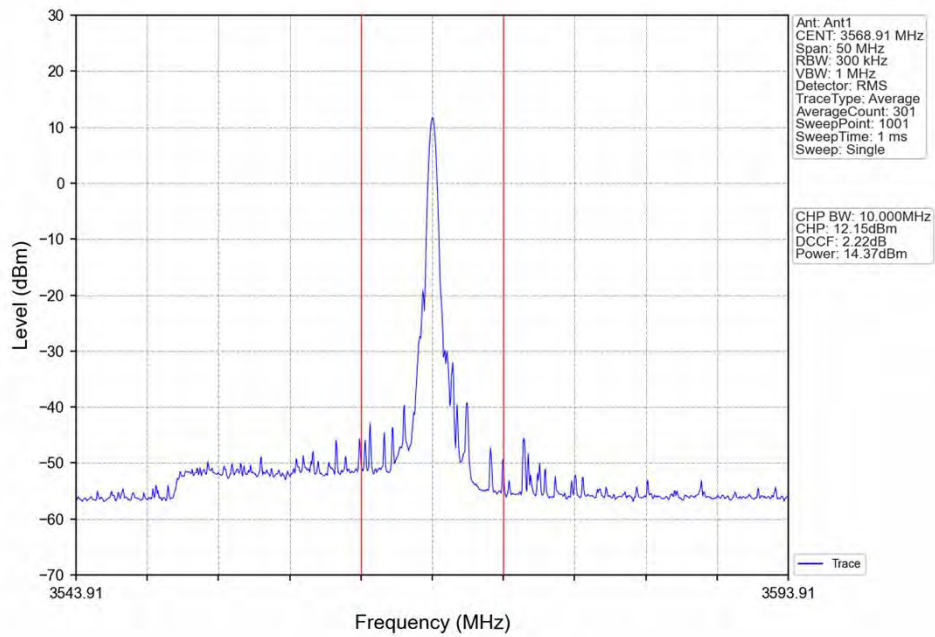
Band48 20MHz 16QAM LCH 3560MHz RB 1 0 NTNV



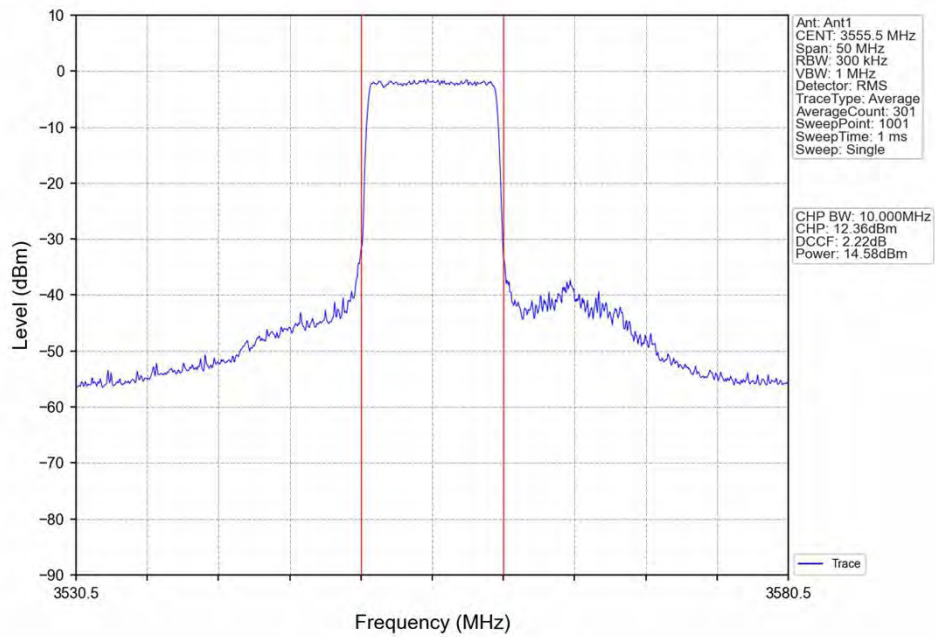
Band48 20MHz 16QAM LCH 3560MHz RB 1 50 NTNV



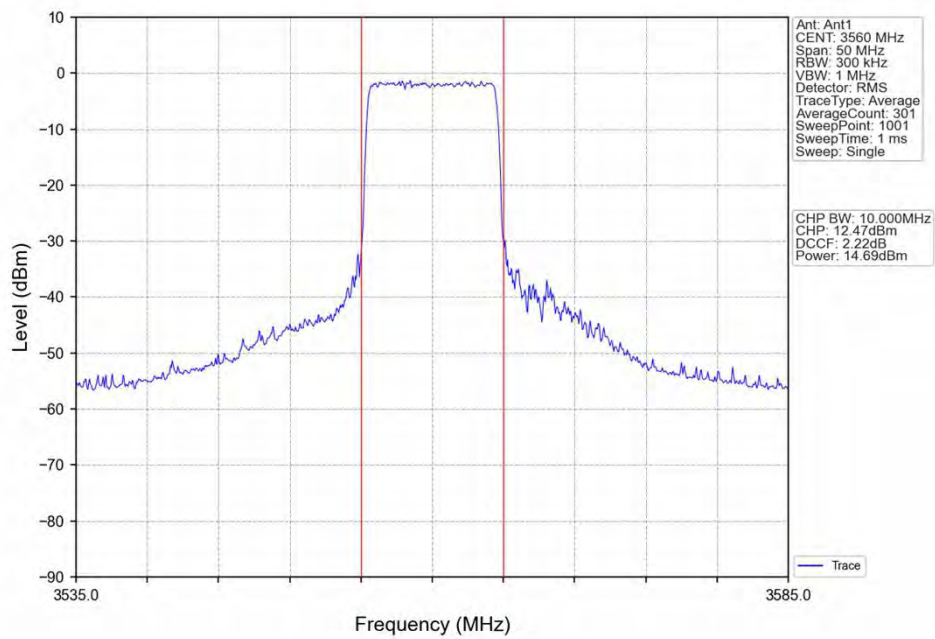
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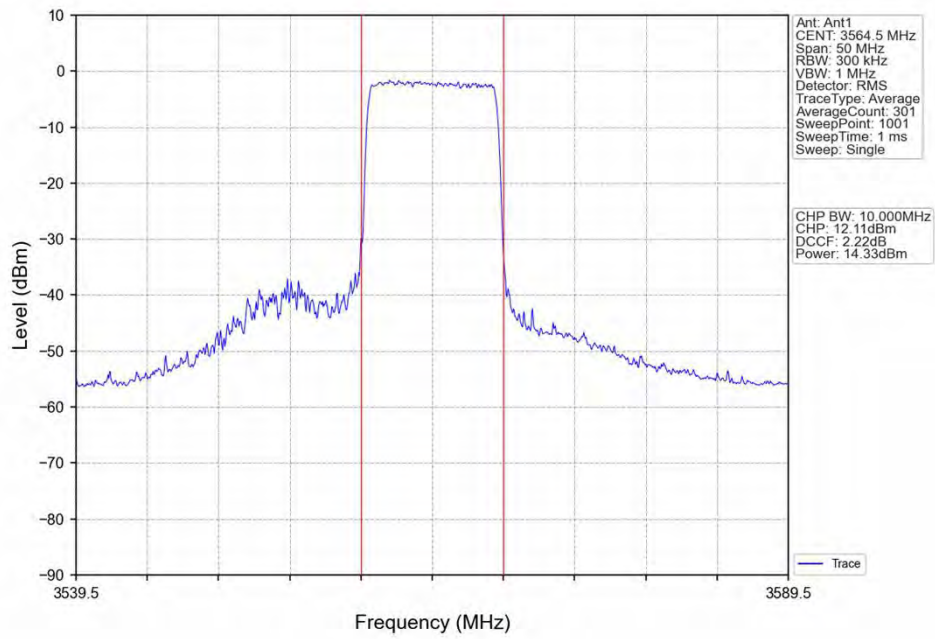
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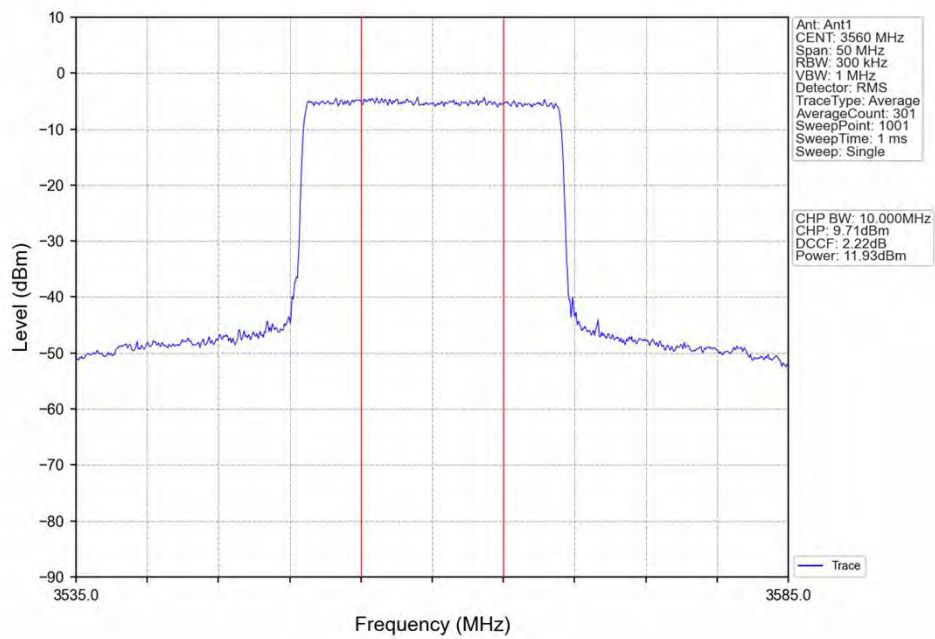
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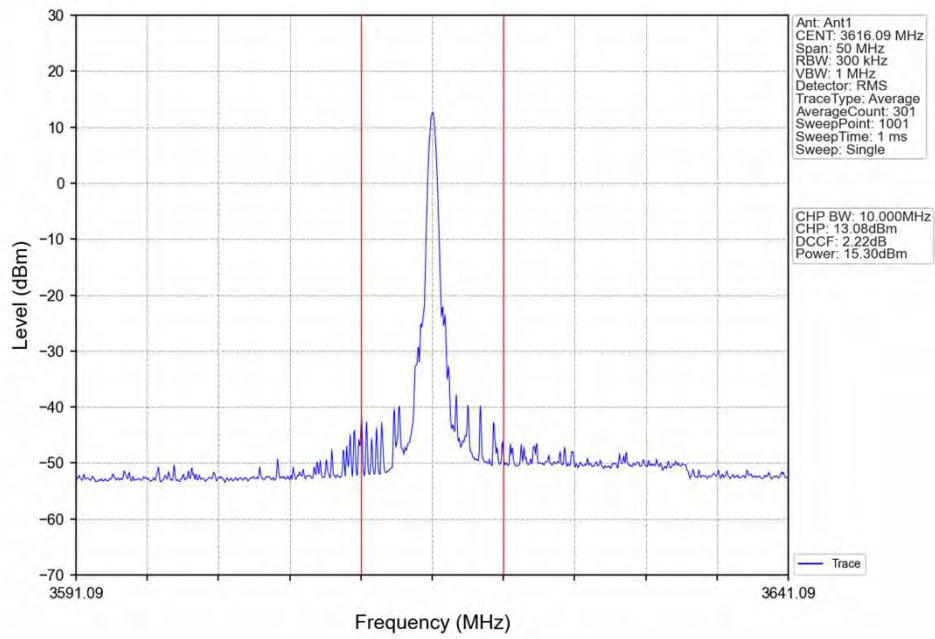
Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_50\_50\_NTNV



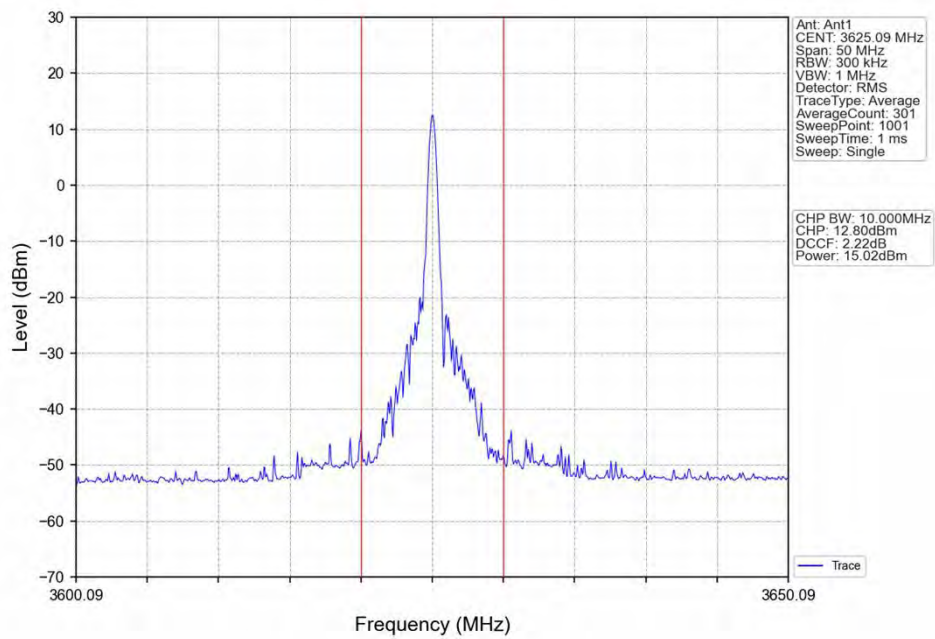
Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_100\_0\_NTNV



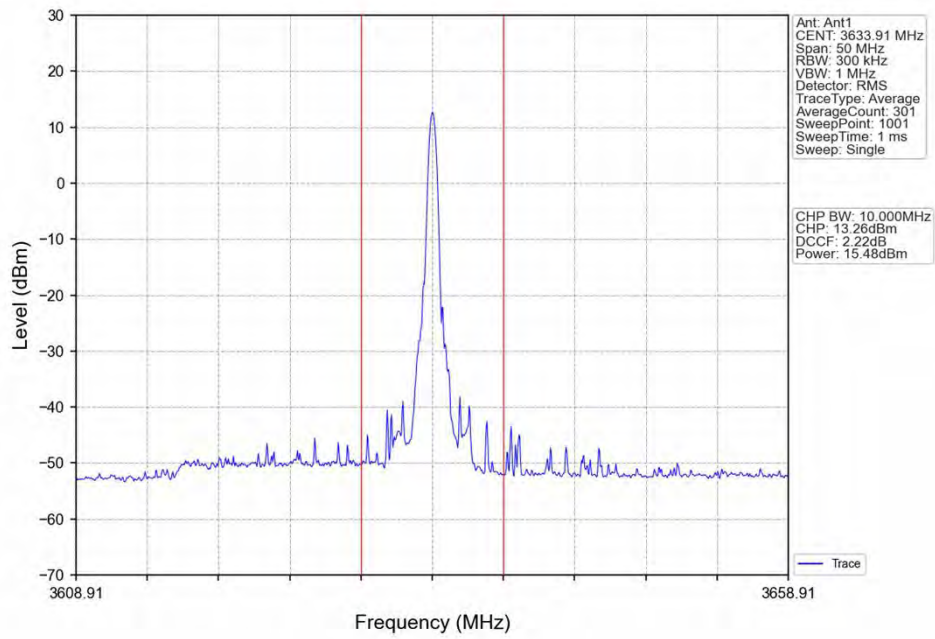
Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



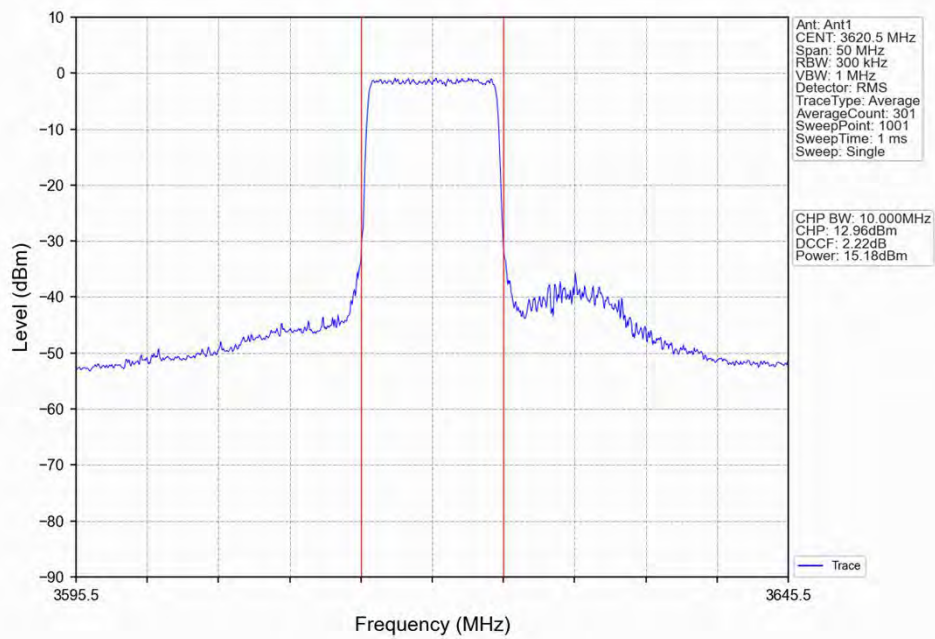
Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_50\_NTNV



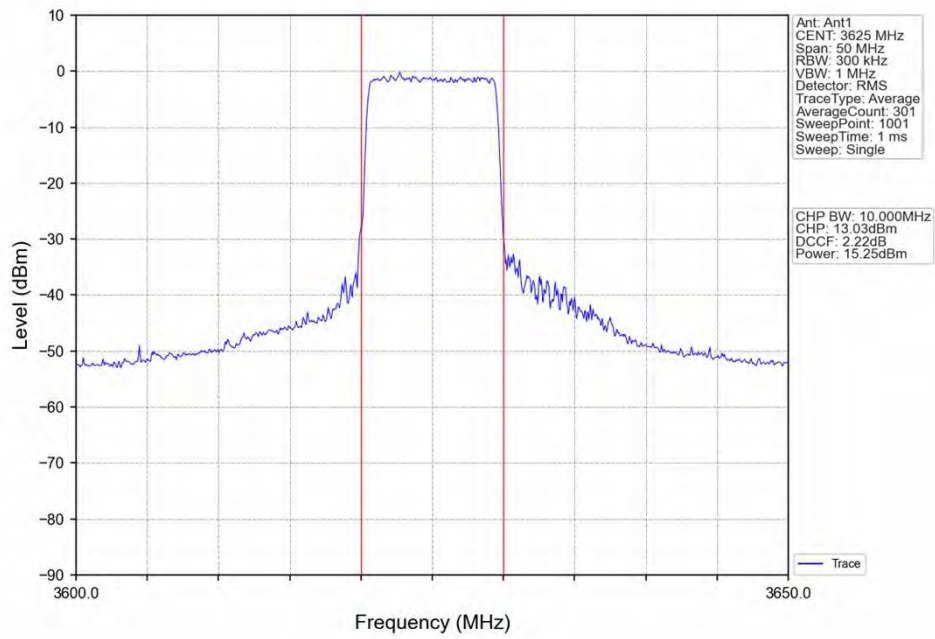
Band48 20MHz 16QAM MCH 3625MHz RB 1 99 NTNV



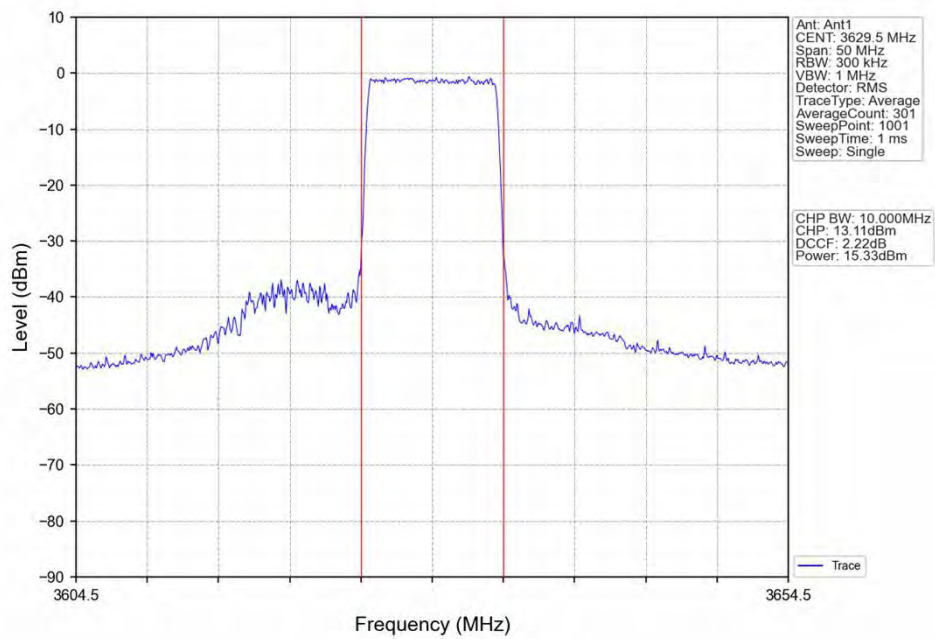
Band48 20MHz 16QAM MCH 3625MHz RB 50 0 NTNV



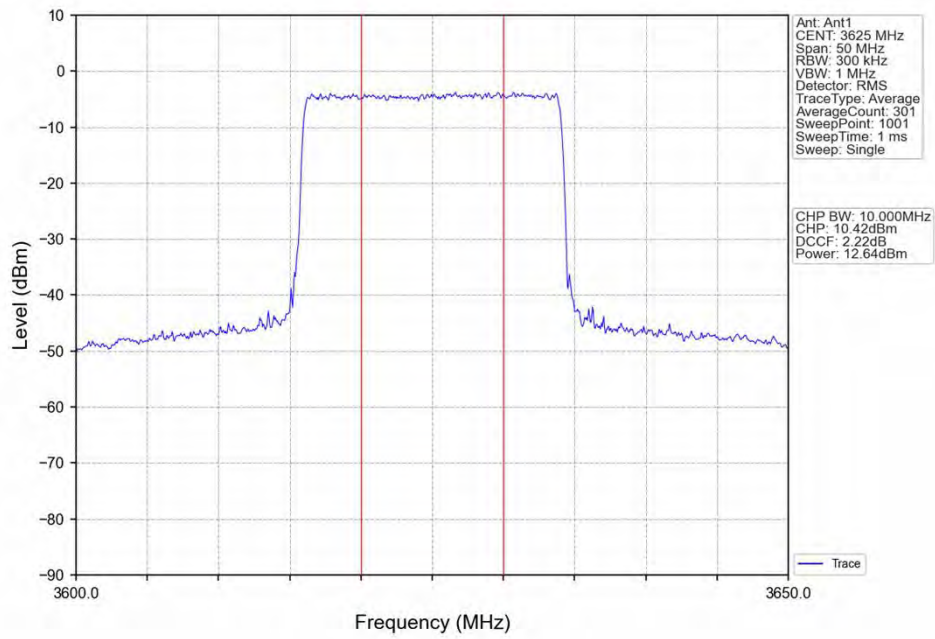
Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_50\_25\_NTNV



Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_50\_50\_NTNV



Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_100\_0\_NTNV



Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_1\_0\_NTNV

