



## Annex for LTE Band 7

Test Report No.: CTL2405163031-WF

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

### 1.1 Test Result

#### 1.1.1 B7\_5MHz\_EIRP

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2502.5          | 1             | 0      | 21.33                 | 1.08       | 22.41      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.53                 | 1.08       | 22.61      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.36                 | 1.08       | 22.44      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.31                 | 1.08       | 21.39      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.28                 | 1.08       | 21.36      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.36                 | 1.08       | 21.44      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.33                 | 1.08       | 21.41      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 21.46                 | 1.08       | 22.54      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.85                 | 1.08       | 22.93      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.60                 | 1.08       | 22.68      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.85                 | 1.08       | 21.93      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.93                 | 1.08       | 22.01      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.85                 | 1.08       | 21.93      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.86                 | 1.08       | 21.94      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 21.49                 | 1.08       | 22.57      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.69                 | 1.08       | 22.77      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.69                 | 1.08       | 22.77      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 20.75                 | 1.08       | 21.83      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 20.76                 | 1.08       | 21.84      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.82                 | 1.08       | 21.90      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.72                 | 1.08       | 21.80      | <=33.01 | Pass    |
| 16QAM                            | 2502.5          | 1             | 0      | 20.42                 | 1.08       | 21.50      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.17                 | 1.08       | 21.25      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 20.39                 | 1.08       | 21.47      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 19.34                 | 1.08       | 20.42      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 19.42                 | 1.08       | 20.50      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 19.40                 | 1.08       | 20.48      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 19.45                 | 1.08       | 20.53      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 20.45                 | 1.08       | 21.53      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 21.31                 | 1.08       | 22.39      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 21.01                 | 1.08       | 22.09      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 19.65                 | 1.08       | 20.73      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 19.74                 | 1.08       | 20.82      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 19.66                 | 1.08       | 20.74      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 19.75                 | 1.08       | 20.83      | <=33.01 | Pass    |
|                                  | 2567.5          | 1             | 0      | 19.91                 | 1.08       | 20.99      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.31                 | 1.08       | 21.39      | <=33.01 | Pass    |
|                                  |                 |               | 24     | 20.26                 | 1.08       | 21.34      | <=33.01 | Pass    |
|                                  |                 | 12            | 0      | 19.75                 | 1.08       | 20.83      | <=33.01 | Pass    |
|                                  |                 |               | 6      | 19.84                 | 1.08       | 20.92      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 19.85                 | 1.08       | 20.93      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 19.81                 | 1.08       | 20.89      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

FCCID: 2BCUE-P8GLOBAL

## 1.1.2 B7\_10MHz\_EIRP

| Band: 7 / Bandwidth: 10MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2505            | 1             | 0      | 21.34                 | 1.08       | 22.42      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.65                 | 1.08       | 22.73      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 21.26                 | 1.08       | 22.34      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.50                 | 1.08       | 21.58      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.61                 | 1.08       | 21.69      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 20.38                 | 1.08       | 21.46      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 20.40                 | 1.08       | 21.48      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 21.64                 | 1.08       | 22.72      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 22.15                 | 1.08       | 23.23      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 21.59                 | 1.08       | 22.67      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.98                 | 1.08       | 22.06      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.95                 | 1.08       | 22.03      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 20.85                 | 1.08       | 21.93      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 20.85                 | 1.08       | 21.93      | <=33.01 | Pass    |
|                                  | 2565            | 1             | 0      | 21.67                 | 1.08       | 22.75      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 22.16                 | 1.08       | 23.24      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 21.65                 | 1.08       | 22.73      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.74                 | 1.08       | 21.82      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.82                 | 1.08       | 21.90      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 20.81                 | 1.08       | 21.89      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 20.72                 | 1.08       | 21.80      | <=33.01 | Pass    |
| 16QAM                            | 2505            | 1             | 0      | 20.72                 | 1.08       | 21.80      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.25                 | 1.08       | 22.33      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 20.29                 | 1.08       | 21.37      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 19.49                 | 1.08       | 20.57      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 19.72                 | 1.08       | 20.80      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 19.49                 | 1.08       | 20.57      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 19.45                 | 1.08       | 20.53      | <=33.01 | Pass    |
|                                  | 2535            | 1             | 0      | 20.69                 | 1.08       | 21.77      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.49                 | 1.08       | 22.57      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 20.46                 | 1.08       | 21.54      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 20.11                 | 1.08       | 21.19      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.08                 | 1.08       | 21.16      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 19.98                 | 1.08       | 21.06      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 19.92                 | 1.08       | 21.00      | <=33.01 | Pass    |
|                                  | 2565            | 1             | 0      | 20.36                 | 1.08       | 21.44      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 21.87                 | 1.08       | 22.95      | <=33.01 | Pass    |
|                                  |                 |               | 49     | 21.54                 | 1.08       | 22.62      | <=33.01 | Pass    |
|                                  |                 | 25            | 0      | 19.93                 | 1.08       | 21.01      | <=33.01 | Pass    |
|                                  |                 |               | 13     | 20.00                 | 1.08       | 21.08      | <=33.01 | Pass    |
|                                  |                 |               | 25     | 19.77                 | 1.08       | 20.85      | <=33.01 | Pass    |
|                                  |                 | 50            | 0      | 19.79                 | 1.08       | 20.87      | <=33.01 | Pass    |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.1.3 B7\_15MHz\_EIRP

| Band: 7 / Bandwidth: 15MHz / NTN |                 |               |        |                       |            |            |         |         |
|----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                  |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                             | 2507.5          | 1             | 0      | 21.37                 | 1.08       | 22.45      | <=33.01 | Pass    |
|                                  |                 |               | 38     | 21.78                 | 1.08       | 22.86      | <=33.01 | Pass    |
|                                  |                 |               | 74     | 21.29                 | 1.08       | 22.37      | <=33.01 | Pass    |

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|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
| 16QAM | 2535   | 36 | 0  | 20.43 | 1.08 | 21.51 | <=33.01 | Pass |
|       |        |    | 18 | 20.48 | 1.08 | 21.56 | <=33.01 | Pass |
|       |        |    | 39 | 20.35 | 1.08 | 21.43 | <=33.01 | Pass |
|       |        | 75 | 0  | 20.49 | 1.08 | 21.57 | <=33.01 | Pass |
|       |        | 1  | 0  | 21.58 | 1.08 | 22.66 | <=33.01 | Pass |
|       |        |    | 38 | 21.72 | 1.08 | 22.80 | <=33.01 | Pass |
|       |        |    | 74 | 21.62 | 1.08 | 22.70 | <=33.01 | Pass |
|       |        | 36 | 0  | 20.87 | 1.08 | 21.95 | <=33.01 | Pass |
|       |        |    | 18 | 20.96 | 1.08 | 22.04 | <=33.01 | Pass |
|       |        |    | 39 | 20.83 | 1.08 | 21.91 | <=33.01 | Pass |
|       |        | 75 | 0  | 20.84 | 1.08 | 21.92 | <=33.01 | Pass |
|       | 2562.5 | 1  | 0  | 21.77 | 1.08 | 22.85 | <=33.01 | Pass |
|       |        |    | 38 | 21.71 | 1.08 | 22.79 | <=33.01 | Pass |
|       |        |    | 74 | 21.57 | 1.08 | 22.65 | <=33.01 | Pass |
|       |        | 36 | 0  | 20.78 | 1.08 | 21.86 | <=33.01 | Pass |
|       |        |    | 18 | 20.85 | 1.08 | 21.93 | <=33.01 | Pass |
|       |        |    | 39 | 20.75 | 1.08 | 21.83 | <=33.01 | Pass |
|       |        | 75 | 0  | 20.70 | 1.08 | 21.78 | <=33.01 | Pass |
| 16QAM | 2507.5 | 1  | 0  | 20.70 | 1.08 | 21.78 | <=33.01 | Pass |
|       |        |    | 38 | 20.86 | 1.08 | 21.94 | <=33.01 | Pass |
|       |        |    | 74 | 20.09 | 1.08 | 21.17 | <=33.01 | Pass |
|       |        | 36 | 0  | 19.53 | 1.08 | 20.61 | <=33.01 | Pass |
|       |        |    | 18 | 19.58 | 1.08 | 20.66 | <=33.01 | Pass |
|       |        |    | 39 | 19.44 | 1.08 | 20.52 | <=33.01 | Pass |
|       |        | 75 | 0  | 19.56 | 1.08 | 20.64 | <=33.01 | Pass |
|       | 2535   | 1  | 0  | 20.71 | 1.08 | 21.79 | <=33.01 | Pass |
|       |        |    | 38 | 20.96 | 1.08 | 22.04 | <=33.01 | Pass |
|       |        |    | 74 | 20.28 | 1.08 | 21.36 | <=33.01 | Pass |
|       |        | 36 | 0  | 19.92 | 1.08 | 21.00 | <=33.01 | Pass |
|       |        |    | 18 | 19.92 | 1.08 | 21.00 | <=33.01 | Pass |
|       |        |    | 39 | 19.75 | 1.08 | 20.83 | <=33.01 | Pass |
|       |        | 75 | 0  | 19.78 | 1.08 | 20.86 | <=33.01 | Pass |
|       | 2562.5 | 1  | 0  | 21.43 | 1.08 | 22.51 | <=33.01 | Pass |
|       |        |    | 38 | 21.76 | 1.08 | 22.84 | <=33.01 | Pass |
|       |        |    | 74 | 21.49 | 1.08 | 22.57 | <=33.01 | Pass |
|       |        | 36 | 0  | 19.73 | 1.08 | 20.81 | <=33.01 | Pass |
|       |        |    | 18 | 19.82 | 1.08 | 20.90 | <=33.01 | Pass |
|       |        |    | 39 | 19.74 | 1.08 | 20.82 | <=33.01 | Pass |
|       |        | 75 | 0  | 19.71 | 1.08 | 20.79 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

## 1.1.4 B7\_20MHz\_EIRP

| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |         |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                              | 2510            | 1             | 0      | 21.84                 | 1.08       | 22.92      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.27                 | 1.08       | 23.35      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 21.67                 | 1.08       | 22.75      | <=33.01 | Pass    |
|                                   |                 | 50            | 0      | 21.15                 | 1.08       | 22.23      | <=33.01 | Pass    |
|                                   |                 |               | 25     | 21.12                 | 1.08       | 22.20      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 21.01                 | 1.08       | 22.09      | <=33.01 | Pass    |
|                                   |                 | 100           | 0      | 21.13                 | 1.08       | 22.21      | <=33.01 | Pass    |
|                                   | 2535            | 1             | 0      | 22.13                 | 1.08       | 23.21      | <=33.01 | Pass    |
|                                   |                 |               | 50     | 22.62                 | 1.08       | 23.70      | <=33.01 | Pass    |
|                                   |                 |               | 99     | 22.02                 | 1.08       | 23.10      | <=33.01 | Pass    |

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|       |                                          |     |    |       |      |       |         |      |  |
|-------|------------------------------------------|-----|----|-------|------|-------|---------|------|--|
|       |                                          | 50  | 0  | 21.52 | 1.08 | 22.60 | <=33.01 | Pass |  |
|       |                                          |     | 25 | 21.56 | 1.08 | 22.64 | <=33.01 | Pass |  |
|       |                                          |     | 50 | 21.40 | 1.08 | 22.48 | <=33.01 | Pass |  |
|       |                                          | 100 | 0  | 21.50 | 1.08 | 22.58 | <=33.01 | Pass |  |
|       | 2560                                     | 1   | 0  | 22.47 | 1.08 | 23.55 | <=33.01 | Pass |  |
|       |                                          |     | 50 | 22.74 | 1.08 | 23.82 | <=33.01 | Pass |  |
|       |                                          |     | 99 | 22.42 | 1.08 | 23.50 | <=33.01 | Pass |  |
|       |                                          | 50  | 0  | 21.36 | 1.08 | 22.44 | <=33.01 | Pass |  |
|       |                                          |     | 25 | 21.49 | 1.08 | 22.57 | <=33.01 | Pass |  |
|       |                                          |     | 50 | 21.44 | 1.08 | 22.52 | <=33.01 | Pass |  |
|       |                                          | 100 | 0  | 21.44 | 1.08 | 22.52 | <=33.01 | Pass |  |
|       |                                          |     |    |       |      |       |         |      |  |
| 16QAM | 2510                                     | 1   | 0  | 20.13 | 1.08 | 21.21 | <=33.01 | Pass |  |
|       |                                          |     | 50 | 20.58 | 1.08 | 21.66 | <=33.01 | Pass |  |
|       |                                          |     | 99 | 19.99 | 1.08 | 21.07 | <=33.01 | Pass |  |
|       |                                          | 50  | 0  | 19.59 | 1.08 | 20.67 | <=33.01 | Pass |  |
|       |                                          |     | 25 | 19.63 | 1.08 | 20.71 | <=33.01 | Pass |  |
|       |                                          |     | 50 | 19.43 | 1.08 | 20.51 | <=33.01 | Pass |  |
|       |                                          | 100 | 0  | 19.53 | 1.08 | 20.61 | <=33.01 | Pass |  |
|       | 2535                                     | 1   | 0  | 20.83 | 1.08 | 21.91 | <=33.01 | Pass |  |
|       |                                          |     | 50 | 22.08 | 1.08 | 23.16 | <=33.01 | Pass |  |
|       |                                          |     | 99 | 20.78 | 1.08 | 21.86 | <=33.01 | Pass |  |
|       |                                          | 50  | 0  | 19.87 | 1.08 | 20.95 | <=33.01 | Pass |  |
|       |                                          |     | 25 | 19.97 | 1.08 | 21.05 | <=33.01 | Pass |  |
|       |                                          |     | 50 | 19.69 | 1.08 | 20.77 | <=33.01 | Pass |  |
|       |                                          | 100 | 0  | 19.94 | 1.08 | 21.02 | <=33.01 | Pass |  |
|       | 2560                                     | 1   | 0  | 20.06 | 1.08 | 21.14 | <=33.01 | Pass |  |
|       |                                          |     | 50 | 20.83 | 1.08 | 21.91 | <=33.01 | Pass |  |
|       |                                          |     | 99 | 20.83 | 1.08 | 21.91 | <=33.01 | Pass |  |
|       |                                          | 50  | 0  | 19.67 | 1.08 | 20.75 | <=33.01 | Pass |  |
|       |                                          |     | 25 | 19.86 | 1.08 | 20.94 | <=33.01 | Pass |  |
|       |                                          |     | 50 | 19.81 | 1.08 | 20.89 | <=33.01 | Pass |  |
|       |                                          | 100 | 0  | 19.73 | 1.08 | 20.81 | <=33.01 | Pass |  |
|       | Note1: EIRP=Conducted Power+Antenna Gain |     |    |       |      |       |         |      |  |

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|---------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                           |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                      | 2502.5          | 25            | 0      | 20         | 3.27          | 1.688            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 3.85          | 0.730            | 0.0003                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        |            | 4.43          | 1.330            | 0.0005                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -30        | 3.85          | 1.359            | 0.0005                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -20        | 3.85          | -0.243           | -0.0001               | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | -10        | 3.85          | 2.146            | 0.0009                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 0          | 3.85          | 1.645            | 0.0007                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 10         | 3.85          | 0.973            | 0.0004                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 30         | 3.85          | 1.273            | 0.0005                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 40         | 3.85          | 3.018            | 0.0012                | -2.5 to 2.5 | Pass    |
|                           |                 |               |        | 50         | 3.85          | 2.747            | 0.0011                | -2.5 to 2.5 | Pass    |

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|       |        |    |   |     |      |        |         |             |      |
|-------|--------|----|---|-----|------|--------|---------|-------------|------|
| 16QAM | 2535   | 25 | 0 | 20  | 3.27 | -2.317 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -3.047 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -3.233 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -2.646 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -2.961 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -0.787 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -2.875 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -1.316 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -1.817 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -4.334 | -0.0017 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -1.316 | -0.0005 | -2.5 to 2.5 | Pass |
|       | 2567.5 | 25 | 0 | 20  | 3.27 | 1.574  | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -1.073 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -1.316 | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -2.704 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 1.030  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 2.146  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 0.172  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 0.229  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -0.787 | -0.0003 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -1.144 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -0.730 | -0.0003 | -2.5 to 2.5 | Pass |
|       | 2502.5 | 25 | 0 | 20  | 3.27 | 2.289  | 0.0009  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 0.687  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 2.103  | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 1.316  | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 0.157  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -0.086 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 2.503  | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 3.734  | 0.0015  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 3.233  | 0.0013  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -0.343 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 2.532  | 0.0010  | -2.5 to 2.5 | Pass |
|       | 2535   | 25 | 0 | 20  | 3.27 | -2.933 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -3.347 | -0.0013 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -2.160 | -0.0009 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -2.875 | -0.0011 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -2.632 | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -5.493 | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -2.990 | -0.0012 | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -1.860 | -0.0007 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -3.905 | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -3.462 | -0.0014 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | -4.635 | -0.0018 | -2.5 to 2.5 | Pass |
|       | 2567.5 | 25 | 0 | 20  | 3.27 | -1.144 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 1.087  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -0.086 | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -0.987 | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 0.257  | 0.0001  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 0.715  | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 0.958  | 0.0004  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -0.587 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -0.300 | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | -0.615 | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 1.631  | 0.0006  | -2.5 to 2.5 | Pass |

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## 2.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2505            | 50            | 0      | 20         | 3.27          | -3.991           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.592           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.219           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.988           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.533           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.792           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -4.306           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -5.364           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -1.616           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.519           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -3.905           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            | 2535            | 50            | 0      | 20         | 3.27          | -4.206           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.119           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -2.418           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -4.177           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -2.217           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -1.845           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -2.904           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -4.592           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.920           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -2.818           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -4.063           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            | 2565            | 50            | 0      | 20         | 3.27          | -1.173           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -3.090           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -5.007           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -3.719           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -5.007           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.034           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -4.163           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -2.604           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.190           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.433           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -3.848           | -0.0015               | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2505            | 50            | 0      | 20         | 3.27          | -3.376           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.063           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -2.775           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -3.977           | -0.0016               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -4.935           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -4.764           | -0.0019               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -5.336           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -2.732           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -1.674           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.362           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -4.921           | -0.0020               | -2.5 to 2.5 | Pass    |
|                            | 2535            | 50            | 0      | 20         | 3.27          | -3.376           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -5.236           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -1.674           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.502           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.390           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.507           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -1.130           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -4.392           | -0.0017               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.891           | -0.0015               | -2.5 to 2.5 | Pass    |

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|  |      |    |   |     |      |        |         |             |      |
|--|------|----|---|-----|------|--------|---------|-------------|------|
|  | 2565 | 50 | 0 | 40  | 3.85 | -1.559 | -0.0006 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -4.134 | -0.0016 | -2.5 to 2.5 | Pass |
|  |      |    |   | 20  | 3.27 | -3.734 | -0.0015 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 3.85 | -2.832 | -0.0011 | -2.5 to 2.5 | Pass |
|  |      |    |   |     | 4.43 | -3.362 | -0.0013 | -2.5 to 2.5 | Pass |
|  |      |    |   | -30 | 3.85 | -3.977 | -0.0016 | -2.5 to 2.5 | Pass |
|  |      |    |   | -20 | 3.85 | -4.549 | -0.0018 | -2.5 to 2.5 | Pass |
|  |      |    |   | -10 | 3.85 | -2.890 | -0.0011 | -2.5 to 2.5 | Pass |
|  |      |    |   | 0   | 3.85 | -2.646 | -0.0010 | -2.5 to 2.5 | Pass |
|  |      |    |   | 10  | 3.85 | -4.864 | -0.0019 | -2.5 to 2.5 | Pass |
|  |      |    |   | 30  | 3.85 | -4.406 | -0.0017 | -2.5 to 2.5 | Pass |
|  |      |    |   | 40  | 3.85 | -4.478 | -0.0017 | -2.5 to 2.5 | Pass |
|  |      |    |   | 50  | 3.85 | -4.420 | -0.0017 | -2.5 to 2.5 | Pass |

## 2.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2507.5          | 75            | 0      | 20         | 3.27          | 0.129            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 0.157            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 1.931            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.903           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -0.129           | -0.0001               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 0.458            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 0.286            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 0.987            | 0.0004                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 0.429            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 0.544            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 0.715            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            | 2535            | 75            | 0      | 20         | 3.27          | -2.060           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -2.575           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -2.847           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -2.604           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -3.476           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -2.446           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -3.061           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -2.918           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -3.276           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.247           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -3.777           | -0.0015               | -2.5 to 2.5 | Pass    |
|                            | 2562.5          | 75            | 0      | 20         | 3.27          | 1.702            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 2.189            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 1.473            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 1.488            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 2.203            | 0.0009                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 2.046            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 1.173            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 1.674            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 2.146            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 1.917            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 3.061            | 0.0012                | -2.5 to 2.5 | Pass    |
| 16QAM                      | 2507.5          | 75            | 0      | 20         | 3.27          | 1.230            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 1.659            | 0.0007                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 0.772            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 0.315            | 0.0001                | -2.5 to 2.5 | Pass    |

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|  |        |    |   |     |      |        |         |             |      |
|--|--------|----|---|-----|------|--------|---------|-------------|------|
|  |        |    |   | -20 | 3.85 | -0.157 | -0.0001 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 0.000  | 0.0000  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | 0.172  | 0.0001  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 0.973  | 0.0004  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 0.844  | 0.0003  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 0.157  | 0.0001  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 0.172  | 0.0001  | -2.5 to 2.5 | Pass |
|  | 2535   | 75 | 0 | 20  | 3.27 | -1.659 | -0.0007 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | -3.805 | -0.0015 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -4.563 | -0.0018 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | -1.545 | -0.0006 | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -4.792 | -0.0019 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | -2.804 | -0.0011 | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | -2.689 | -0.0011 | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -3.963 | -0.0016 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -3.362 | -0.0013 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | -4.234 | -0.0017 | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -2.904 | -0.0011 | -2.5 to 2.5 | Pass |
|  | 2562.5 | 75 | 0 | 20  | 3.27 | 0.858  | 0.0003  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | 1.516  | 0.0006  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | 1.016  | 0.0004  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 1.159  | 0.0005  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | 2.489  | 0.0010  | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 2.117  | 0.0008  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | 2.317  | 0.0009  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 1.845  | 0.0007  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 1.659  | 0.0006  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 2.804  | 0.0011  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 3.176  | 0.0012  | -2.5 to 2.5 | Pass |

## 2.1.4 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 2510            | 100           | 0      | 20         | 3.27          | 0.372            | 0.0001                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 2.031            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 1.359            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 2.675            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 1.988            | 0.0008                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 3.920            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 0.672            | 0.0003                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 2.389            | 0.0010                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 1.459            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 0.043            | 0.0000                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 1.330            | 0.0005                | -2.5 to 2.5 | Pass    |
|                            | 2535            | 100           | 0      | 20         | 3.27          | -3.204           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -2.861           | -0.0011               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -4.478           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -1.316           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -2.346           | -0.0009               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -5.207           | -0.0021               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -1.588           | -0.0006               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -3.505           | -0.0014               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -2.933           | -0.0012               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -3.090           | -0.0012               | -2.5 to 2.5 | Pass    |

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|       |      |     |   |     |      |        |         |             |      |
|-------|------|-----|---|-----|------|--------|---------|-------------|------|
|       | 2560 | 100 | 0 | 50  | 3.85 | -2.232 | -0.0009 | -2.5 to 2.5 | Pass |
|       |      |     |   | 20  | 3.27 | 0.415  | 0.0002  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 1.717  | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 1.101  | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 0.944  | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 0.086  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 1.388  | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 0.973  | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 1.559  | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -0.215 | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -0.300 | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 1.659  | 0.0006  | -2.5 to 2.5 | Pass |
| 16QAM | 2510 | 100 | 0 | 20  | 3.27 | 1.545  | 0.0006  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | 1.245  | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | 1.359  | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 3.490  | 0.0014  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 1.760  | 0.0007  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 2.918  | 0.0012  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -0.057 | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 2.217  | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 2.389  | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | 0.973  | 0.0004  | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 3.176  | 0.0013  | -2.5 to 2.5 | Pass |
|       | 2535 | 100 | 0 | 20  | 3.27 | -3.877 | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -4.878 | -0.0019 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -1.059 | -0.0004 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | -1.287 | -0.0005 | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | -3.233 | -0.0013 | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | -5.679 | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | -4.063 | -0.0016 | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | -3.233 | -0.0013 | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | -4.463 | -0.0018 | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -4.263 | -0.0017 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | -3.176 | -0.0013 | -2.5 to 2.5 | Pass |
|       | 2560 | 100 | 0 | 20  | 3.27 | 0.200  | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 3.85 | -0.257 | -0.0001 | -2.5 to 2.5 | Pass |
|       |      |     |   |     | 4.43 | -0.558 | -0.0002 | -2.5 to 2.5 | Pass |
|       |      |     |   | -30 | 3.85 | 0.029  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |     |   | -20 | 3.85 | 2.632  | 0.0010  | -2.5 to 2.5 | Pass |
|       |      |     |   | -10 | 3.85 | 1.345  | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |     |   | 0   | 3.85 | 0.329  | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |     |   | 10  | 3.85 | 1.216  | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |     |   | 30  | 3.85 | 0.200  | 0.0001  | -2.5 to 2.5 | Pass |
|       |      |     |   | 40  | 3.85 | -0.458 | -0.0002 | -2.5 to 2.5 | Pass |
|       |      |     |   | 50  | 3.85 | 2.174  | 0.0008  | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |           |               |                            |         |
|----------------------------------|-----------|---------------|----------------------------|---------|
| Modulation                       | Frequency | RB Allocation | Modulation Characteristics | Verdict |

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|       | (MHz) | Size | Offset | Result              | Limit |      |
|-------|-------|------|--------|---------------------|-------|------|
| QPSK  | 2535  | 25   | 0      | Refer To Test Graph |       | Pass |
| 16QAM | 2535  | 25   | 0      | Refer To Test Graph |       | Pass |

**3.1.2 B7\_10MHz**

| Band: 7 / Bandwidth: 10MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2535            | 50            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2535            | 50            | 0      | Refer To Test Graph        |       | Pass    |

**3.1.3 B7\_15MHz**

| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2535            | 75            | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2535            | 75            | 0      | Refer To Test Graph        |       | Pass    |

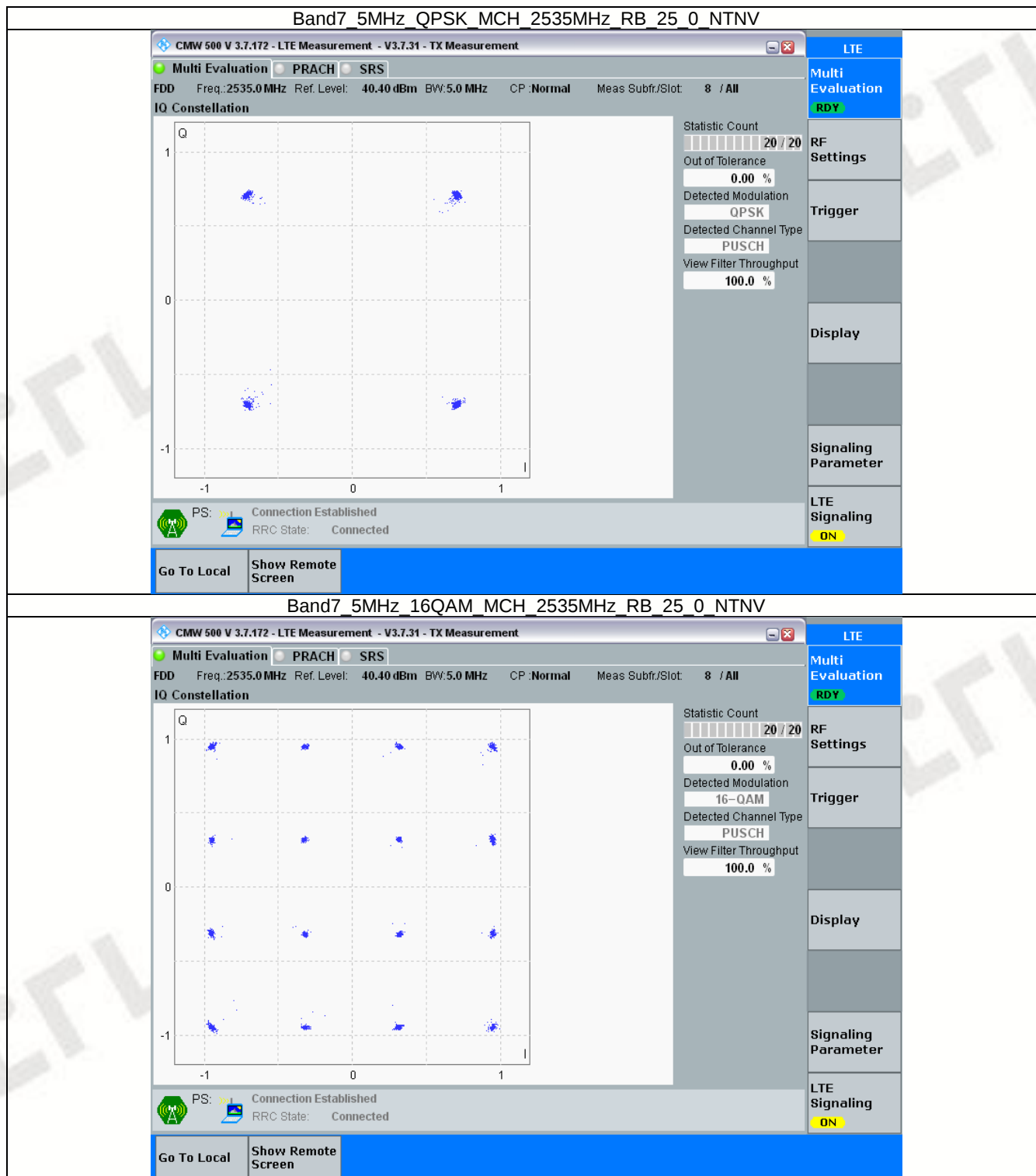
**3.1.4 B7\_20MHz**

| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Modulation Characteristics |       | Verdict |
|                                   |                 | Size          | Offset | Result                     | Limit |         |
| QPSK                              | 2535            | 100           | 0      | Refer To Test Graph        |       | Pass    |
| 16QAM                             | 2535            | 100           | 0      | Refer To Test Graph        |       | Pass    |

FCCID: 2BCUE-P8GLOBAL

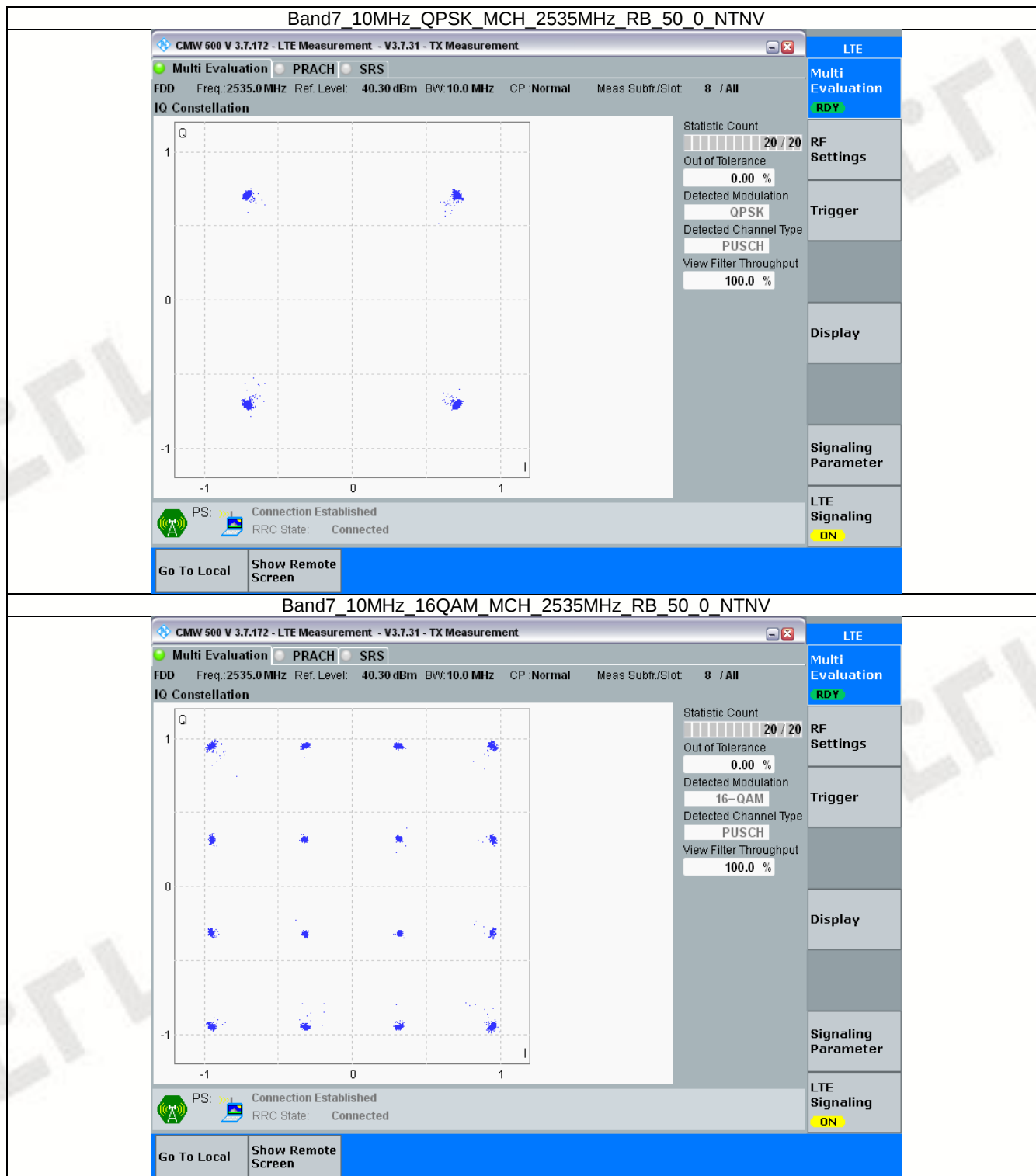
## 3.2 Test Graph

### 3.2.1 B7\_5MHz



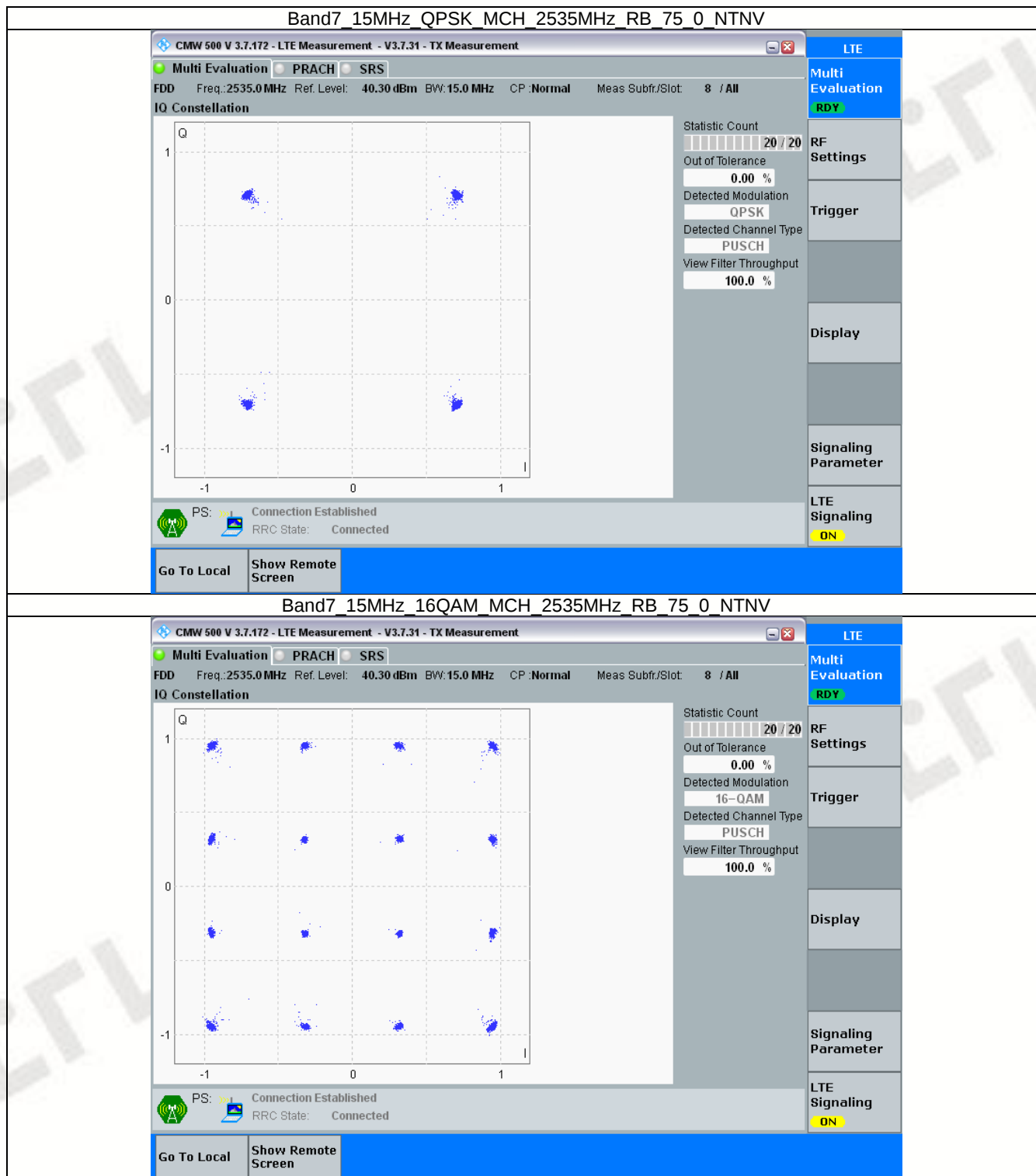
FCCID: 2BCUE-P8GLOBAL

## 3.2.2 B7\_10MHz



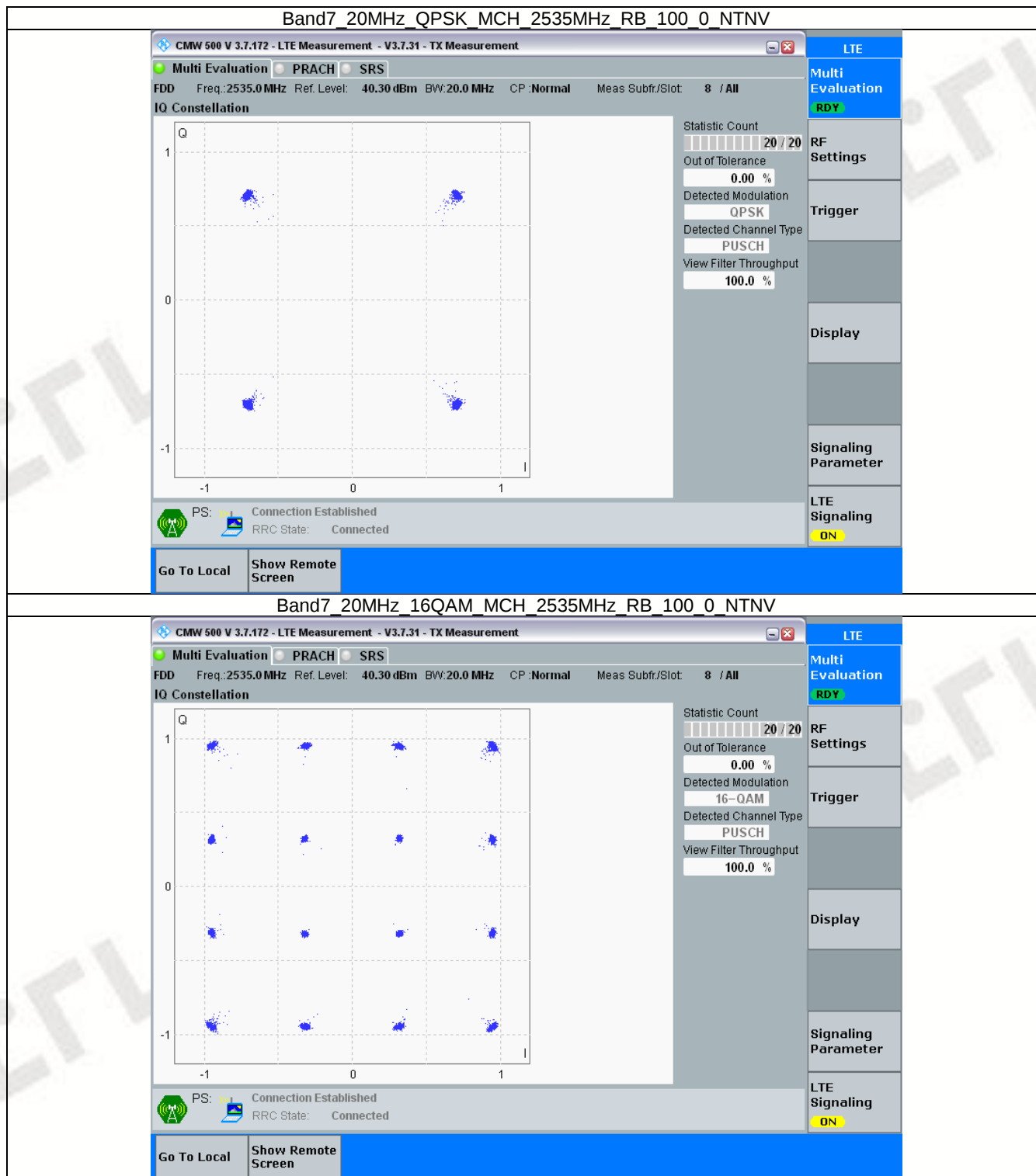
FCCID: 2BCUE-P8GLOBAL

## 3.2.3 B7\_15MHz



FCCID: 2BCUE-P8GLOBAL

## 3.2.4 B7\_20MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band7\_OBW

| Band: 7 / NTN   |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 4.543                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.534                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.561                        | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 4.554                        | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 4.560                        | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 4.525                        | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 9.029                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.050                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.013                        | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.000                        | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.044                        | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.009                        | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 13.559                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.544                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.519                       | /     | Pass    |
|                 | 16QAM      | 2507.5          | 75            | 0      | 13.592                       | /     | Pass    |
|                 |            | 2535            | 75            | 0      | 13.528                       | /     | Pass    |
|                 |            | 2562.5          | 75            | 0      | 13.543                       | /     | Pass    |
| 20              | QPSK       | 2510            | 100           | 0      | 18.035                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.054                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.036                       | /     | Pass    |
|                 | 16QAM      | 2510            | 100           | 0      | 18.046                       | /     | Pass    |
|                 |            | 2535            | 100           | 0      | 18.017                       | /     | Pass    |
|                 |            | 2560            | 100           | 0      | 18.025                       | /     | Pass    |

#### 4.1.2 Band7\_XDB

| Band: 7 / NTN   |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 2502.5          | 25            | 0      | 5.096                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 5.109                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 5.078                | /     | Pass    |
|                 | 16QAM      | 2502.5          | 25            | 0      | 5.113                | /     | Pass    |
|                 |            | 2535            | 25            | 0      | 5.053                | /     | Pass    |
|                 |            | 2567.5          | 25            | 0      | 5.041                | /     | Pass    |
| 10              | QPSK       | 2505            | 50            | 0      | 10.080               | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.977                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.970                | /     | Pass    |
|                 | 16QAM      | 2505            | 50            | 0      | 9.976                | /     | Pass    |
|                 |            | 2535            | 50            | 0      | 9.966                | /     | Pass    |
|                 |            | 2565            | 50            | 0      | 9.946                | /     | Pass    |
| 15              | QPSK       | 2507.5          | 75            | 0      | 14.998               | /     | Pass    |

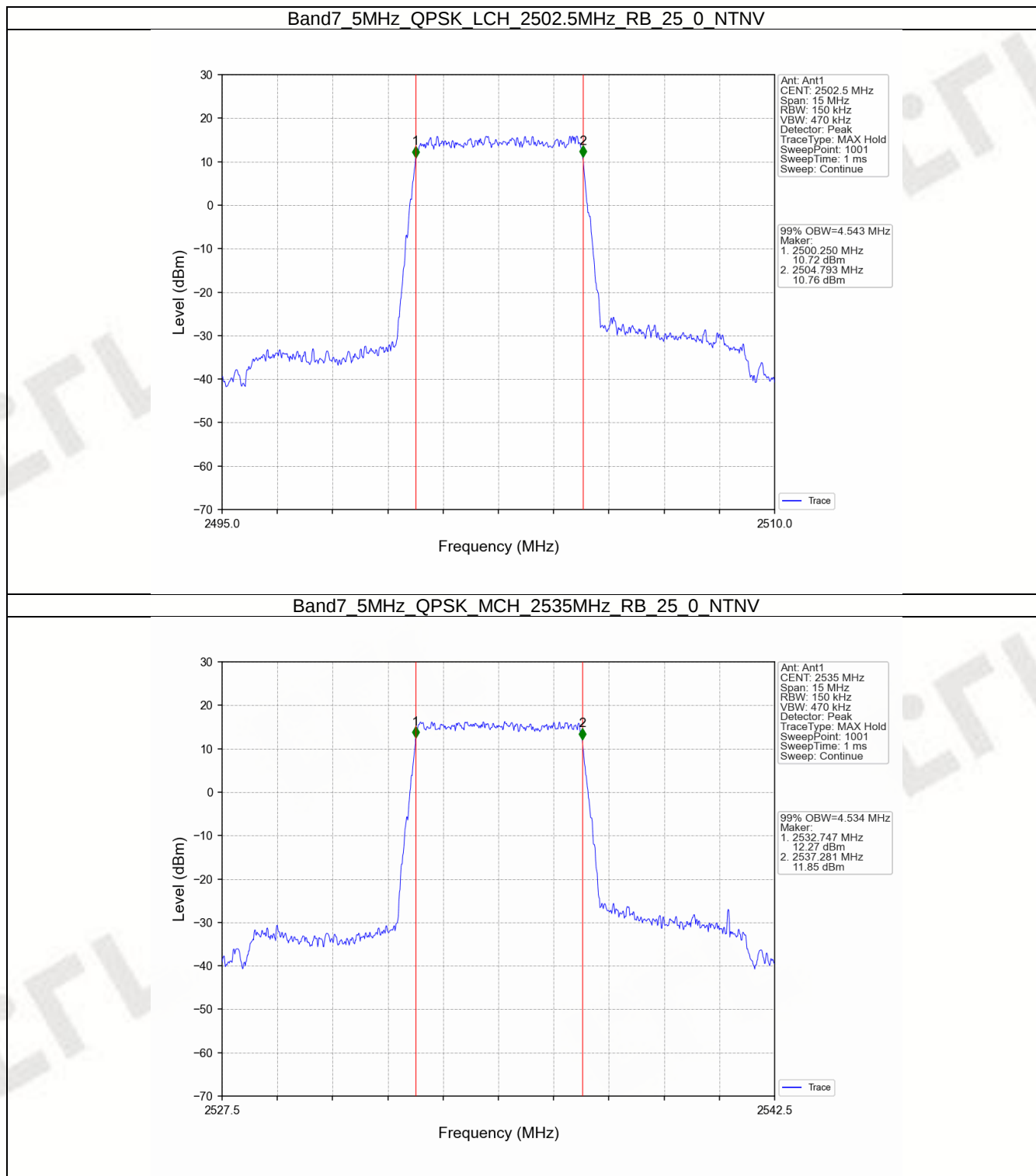
FCCID: 2BCUE-P8GLOBAL

|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
|    | 16QAM | 2535   | 75  | 0 | 15.012 | / | Pass |
|    |       | 2562.5 | 75  | 0 | 15.020 | / | Pass |
|    |       | 2507.5 | 75  | 0 | 14.930 | / | Pass |
|    |       | 2535   | 75  | 0 | 14.965 | / | Pass |
|    |       | 2562.5 | 75  | 0 | 15.029 | / | Pass |
| 20 | QPSK  | 2510   | 100 | 0 | 19.646 | / | Pass |
|    |       | 2535   | 100 | 0 | 19.724 | / | Pass |
|    |       | 2560   | 100 | 0 | 19.871 | / | Pass |
|    | 16QAM | 2510   | 100 | 0 | 19.762 | / | Pass |
|    |       | 2535   | 100 | 0 | 19.819 | / | Pass |
|    |       | 2560   | 100 | 0 | 19.610 | / | Pass |

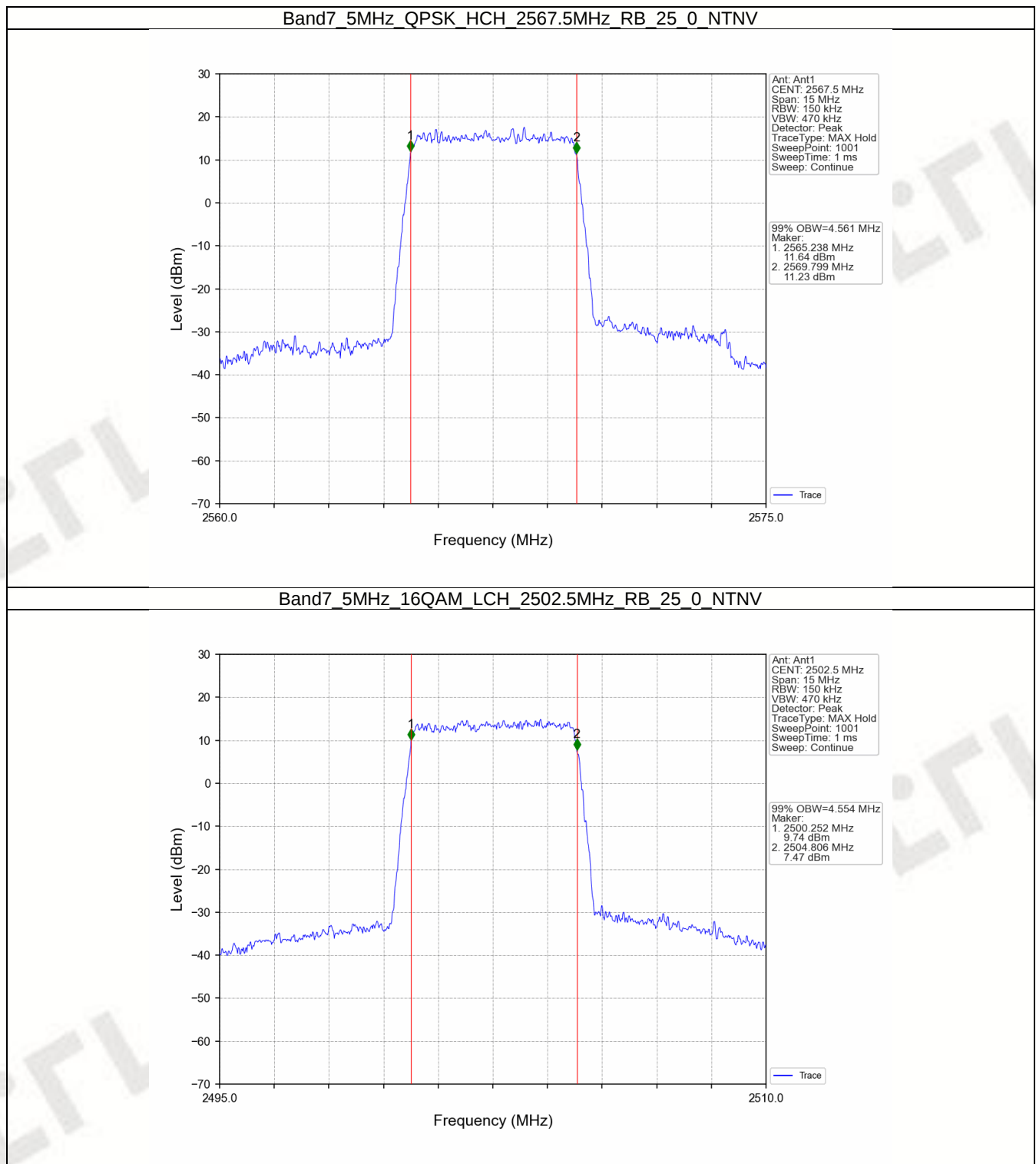
FCCID: 2BCUE-P8GLOBAL

## 4.2 Test Graph

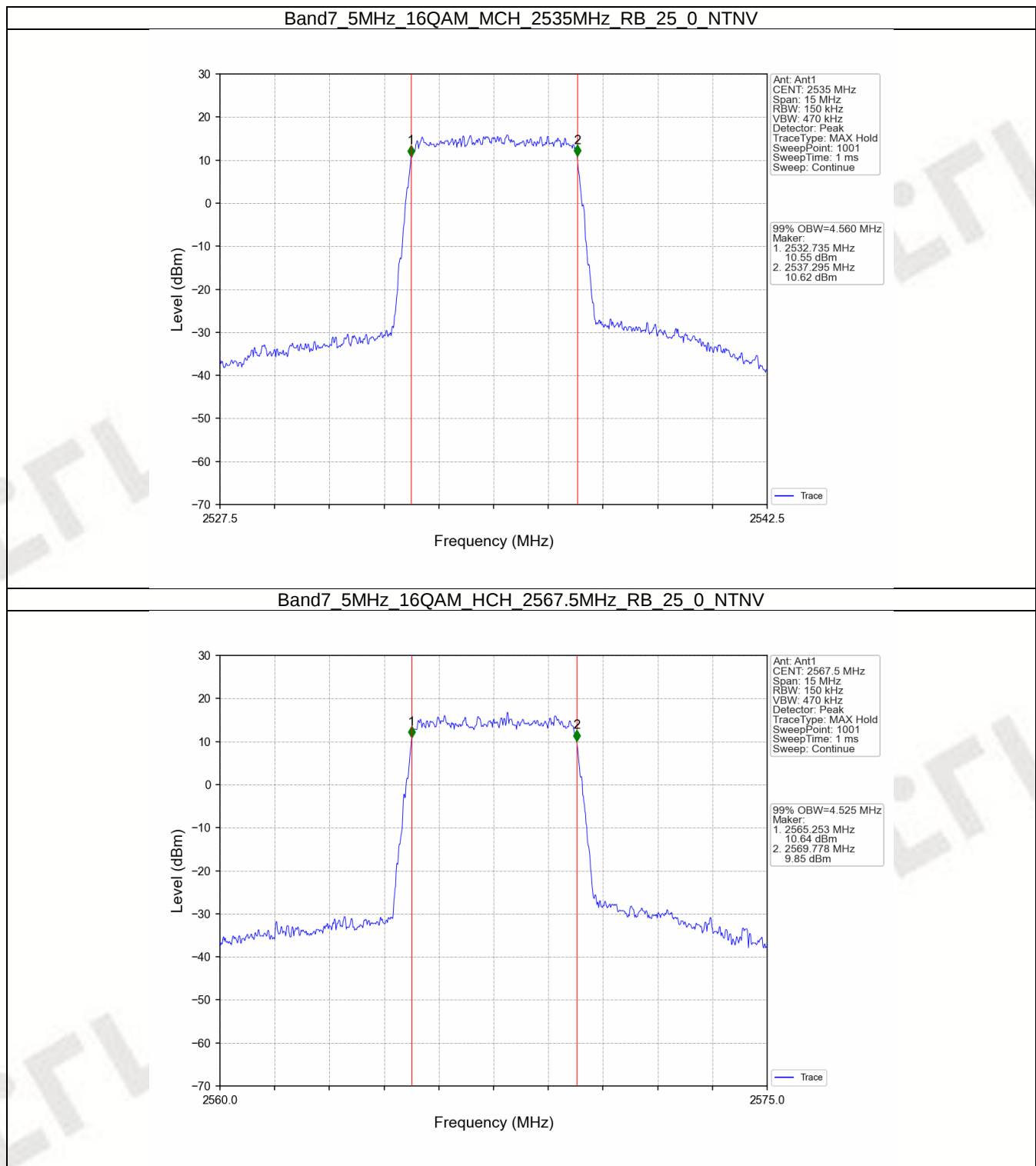
### 4.2.1 Band7\_OBW



FCCID: 2BCUE-P8GLOBAL

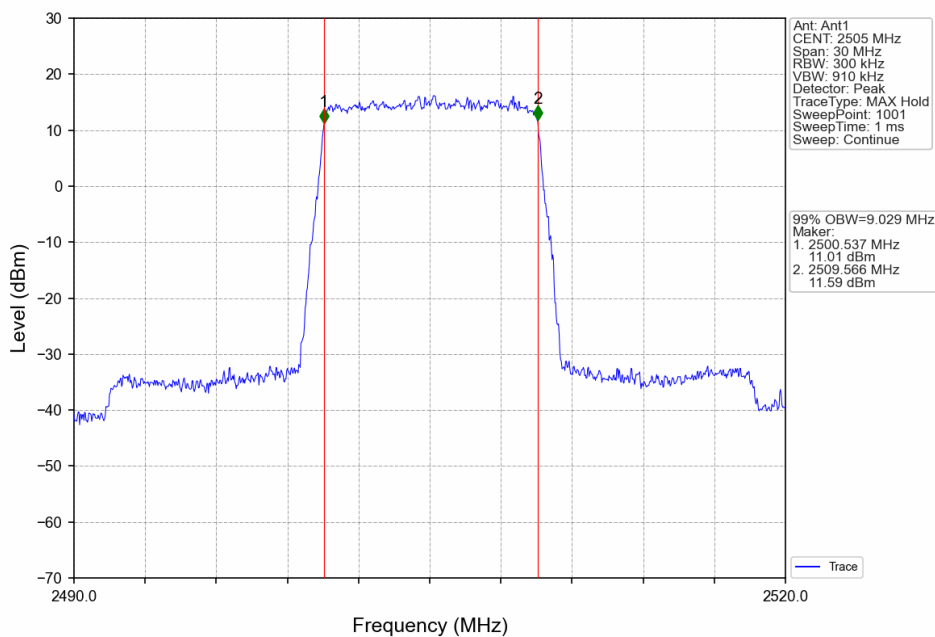


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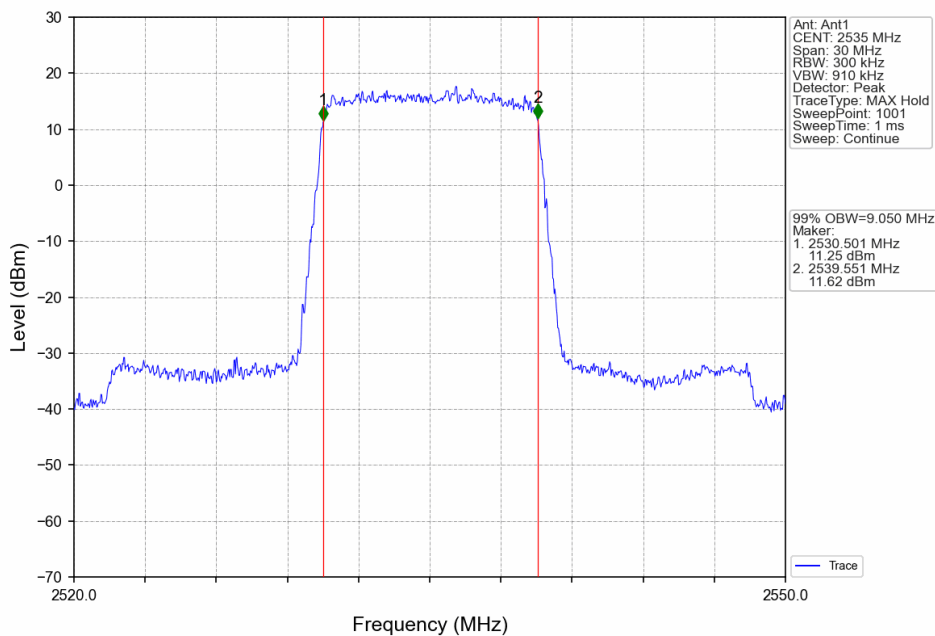


FCCID: 2BCUE-P8GLOBAL

Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV

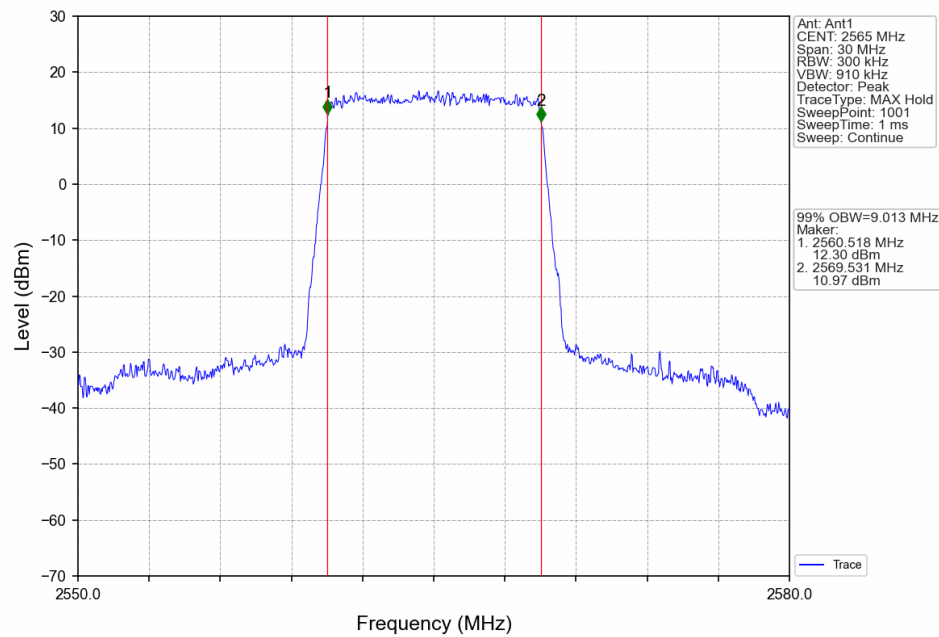


Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV

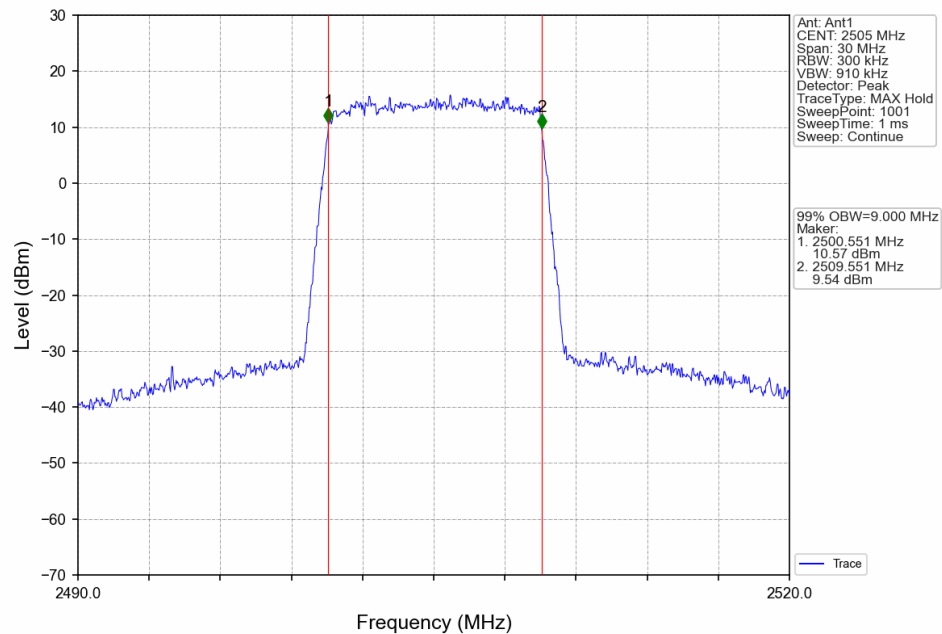


FCCID: 2BCUE-P8GLOBAL

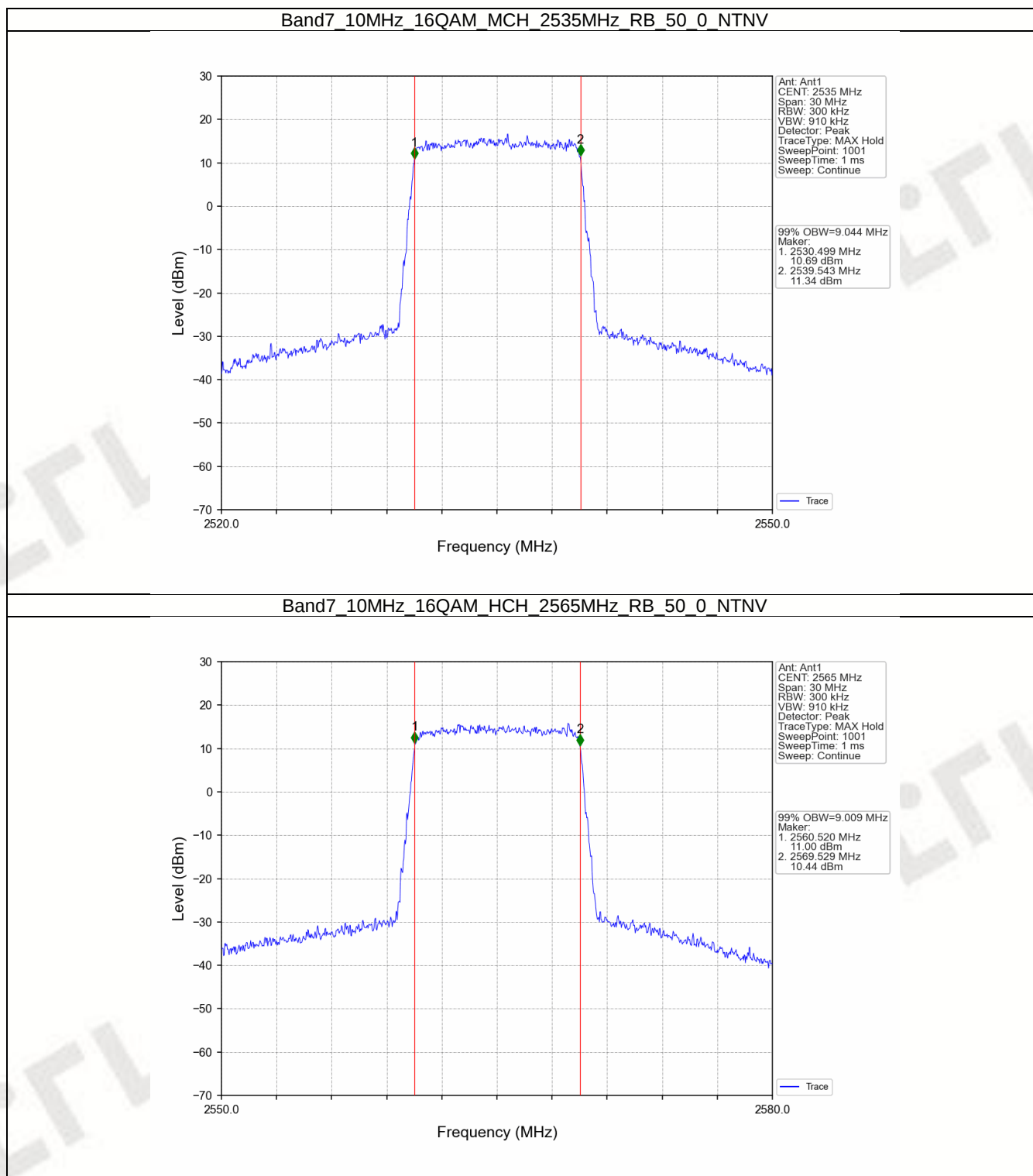
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



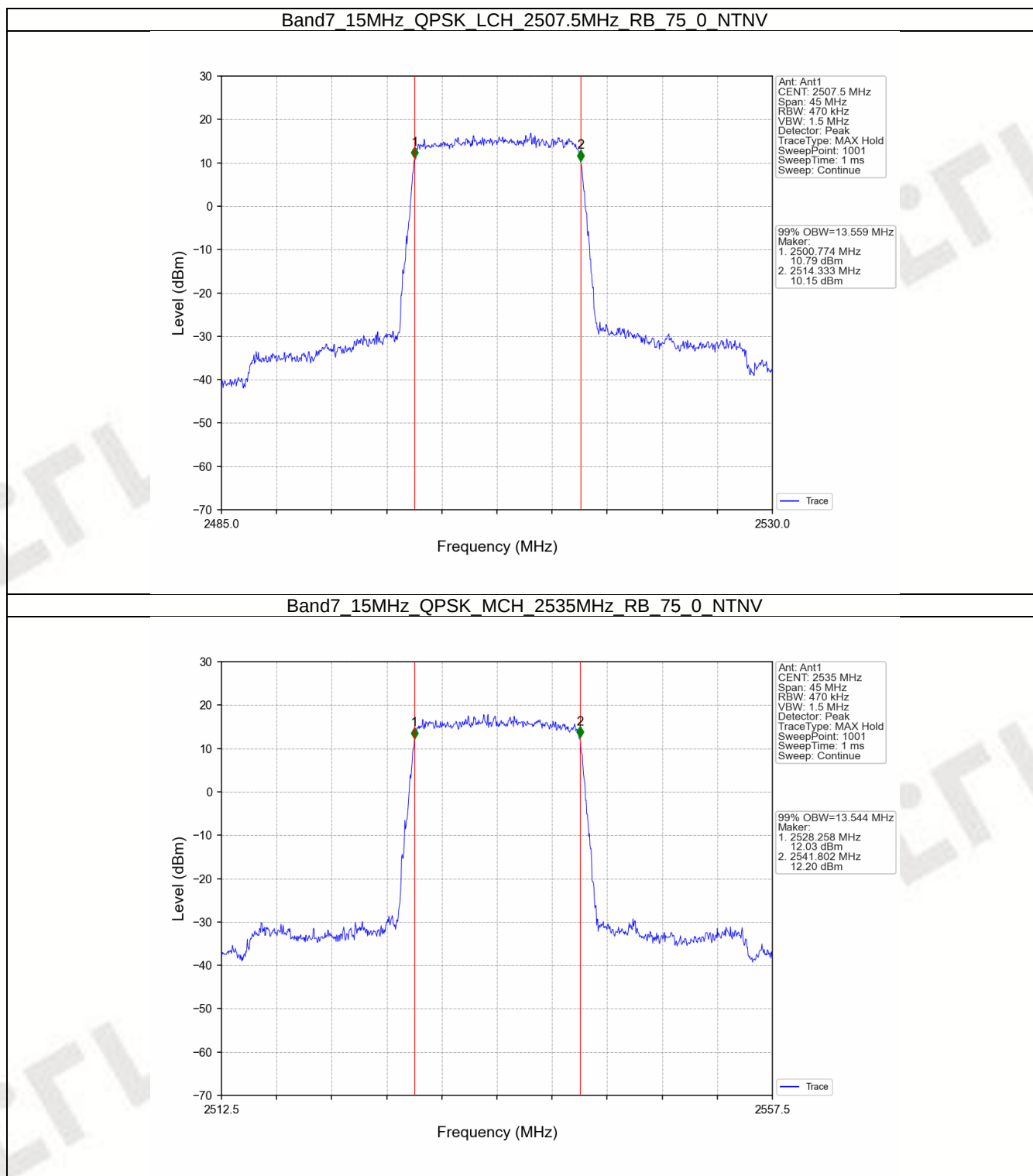
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



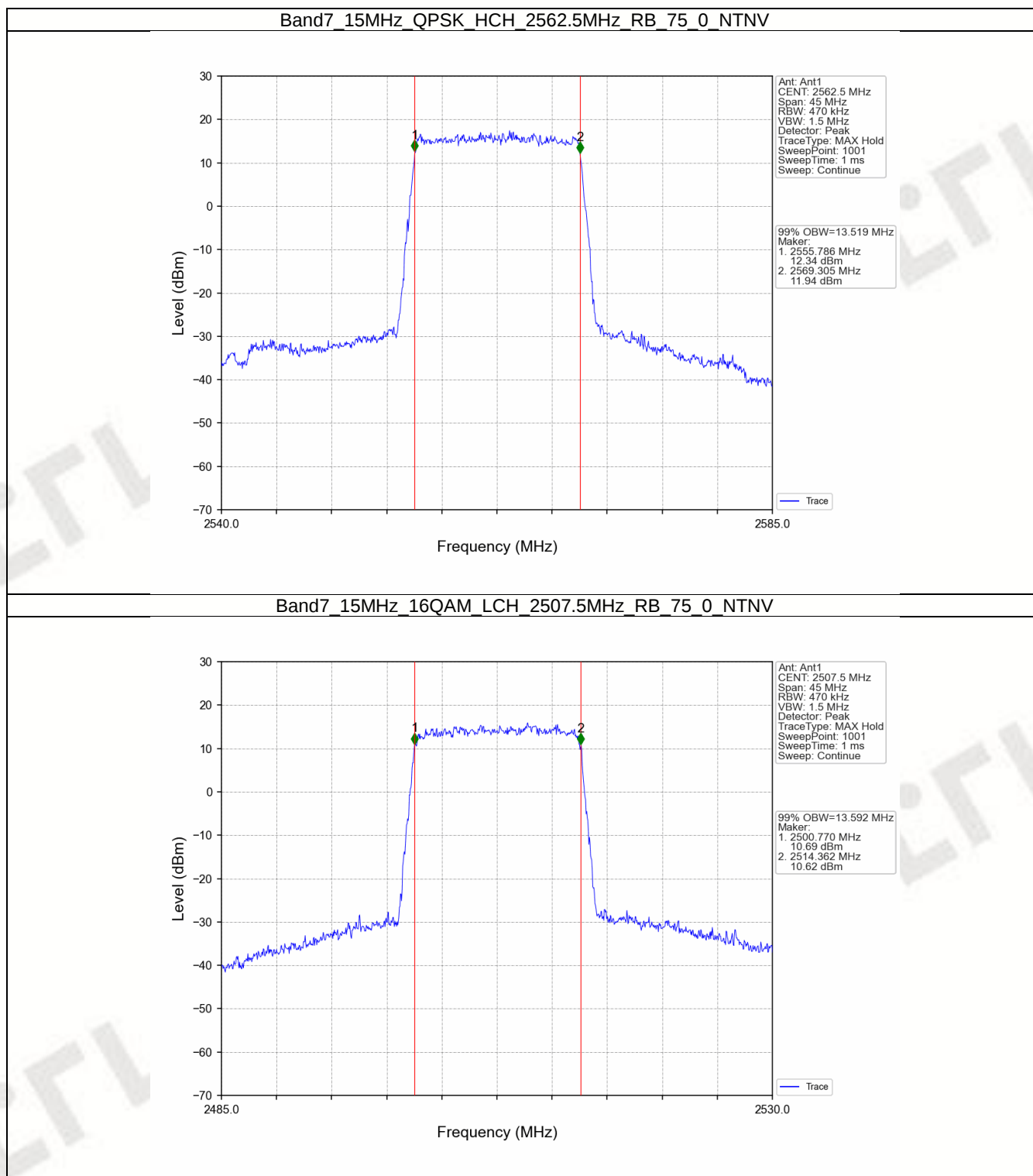
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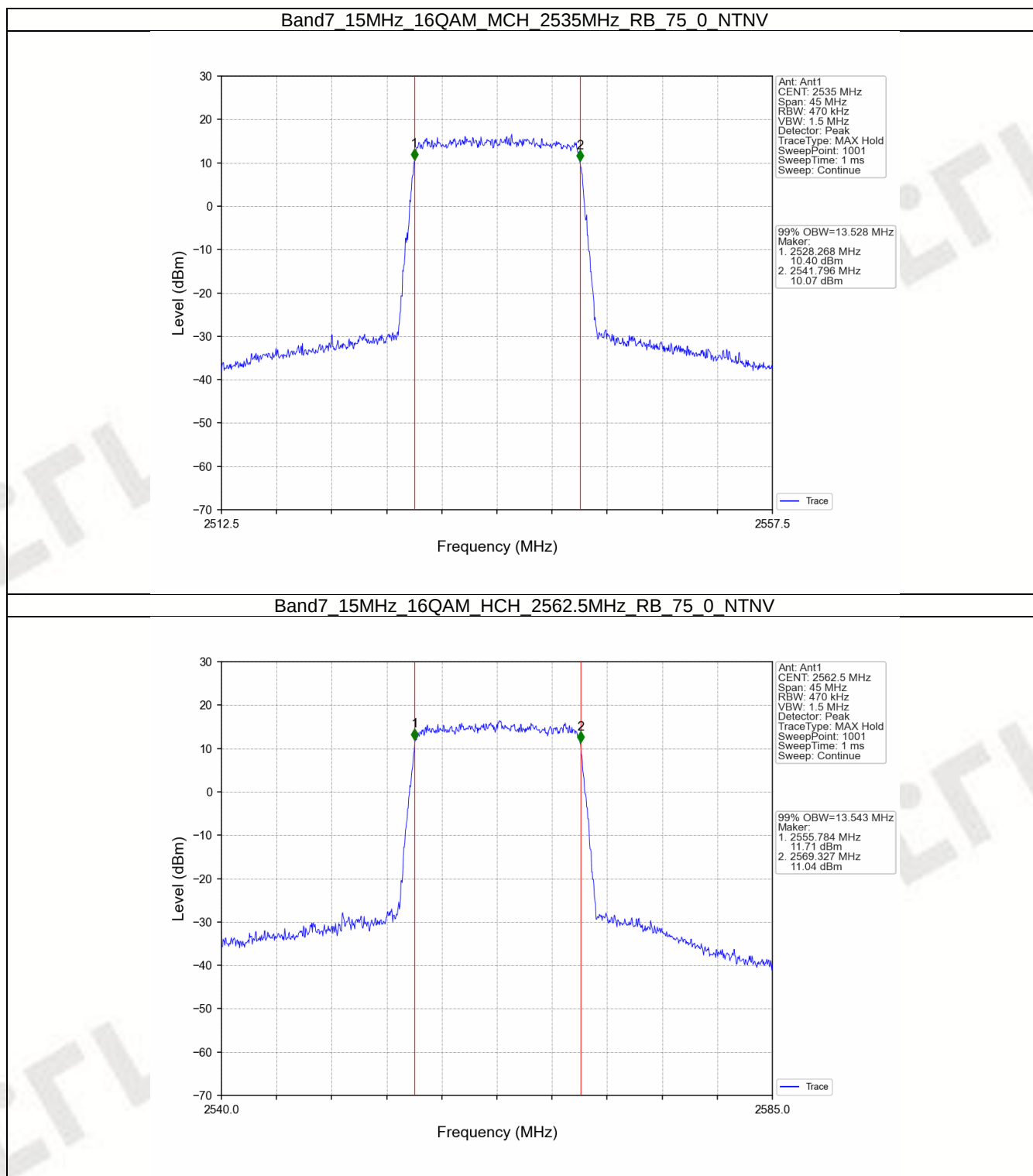
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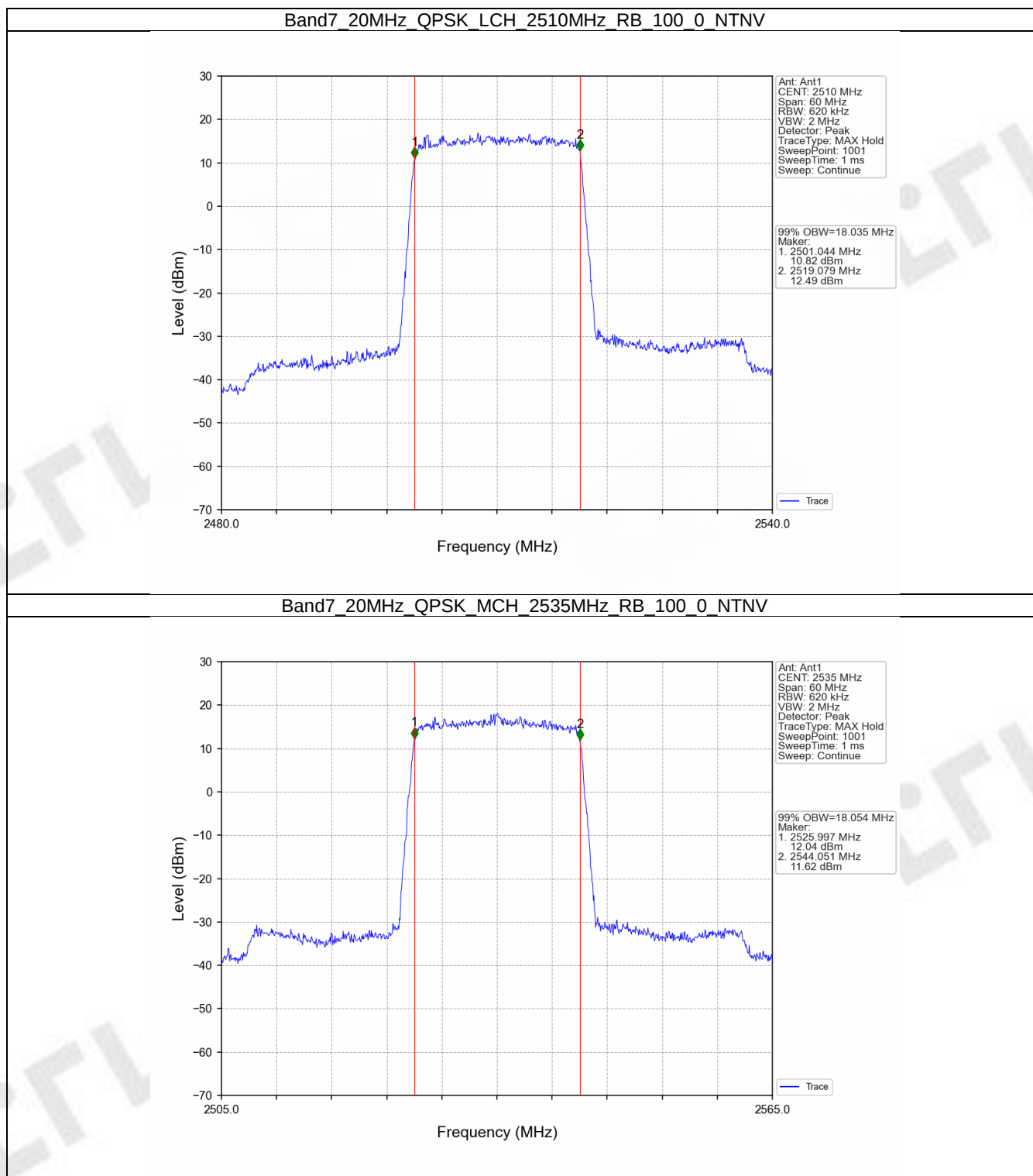
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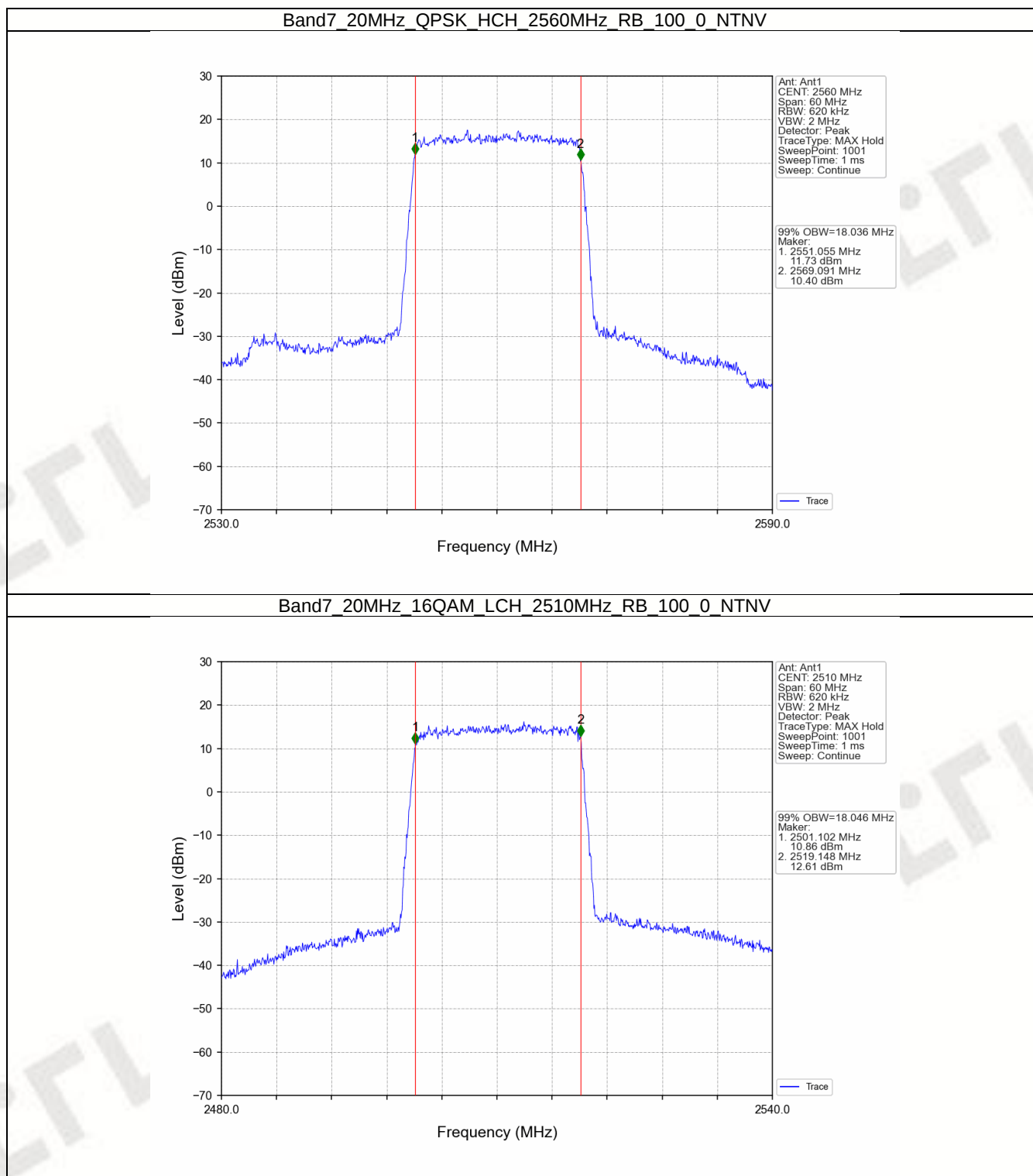
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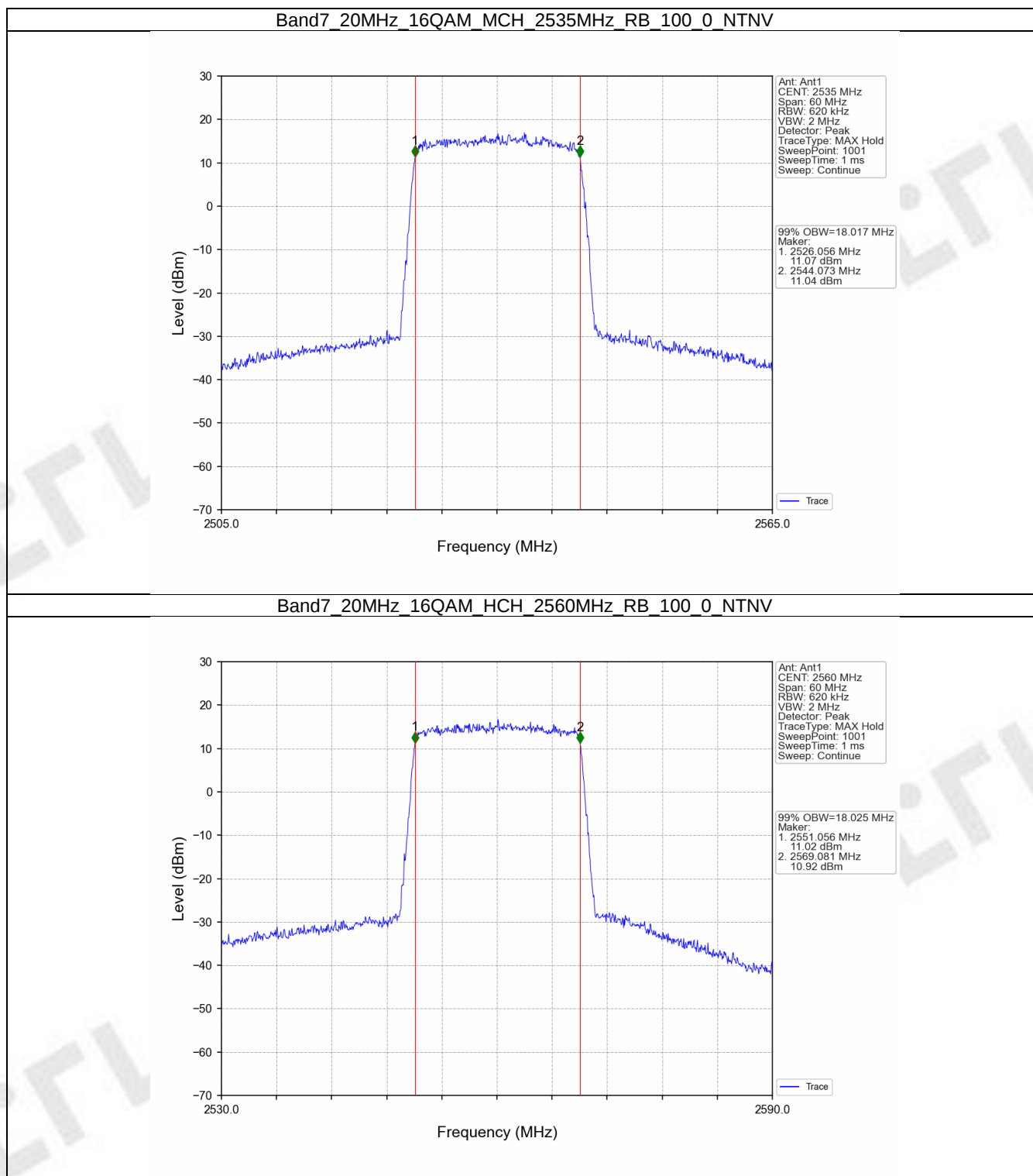
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FCCID: 2BCUE-P8GLOBAL

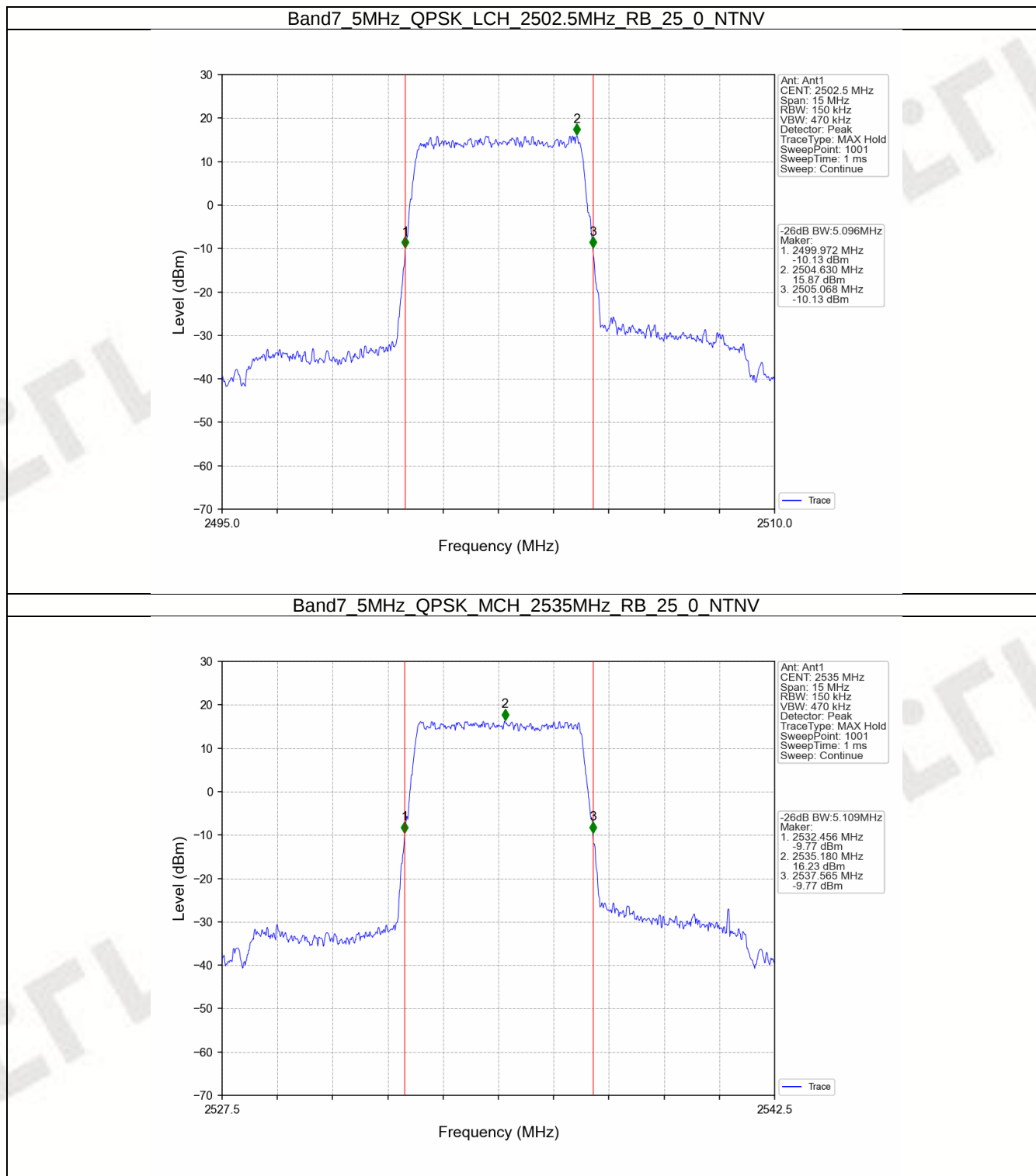


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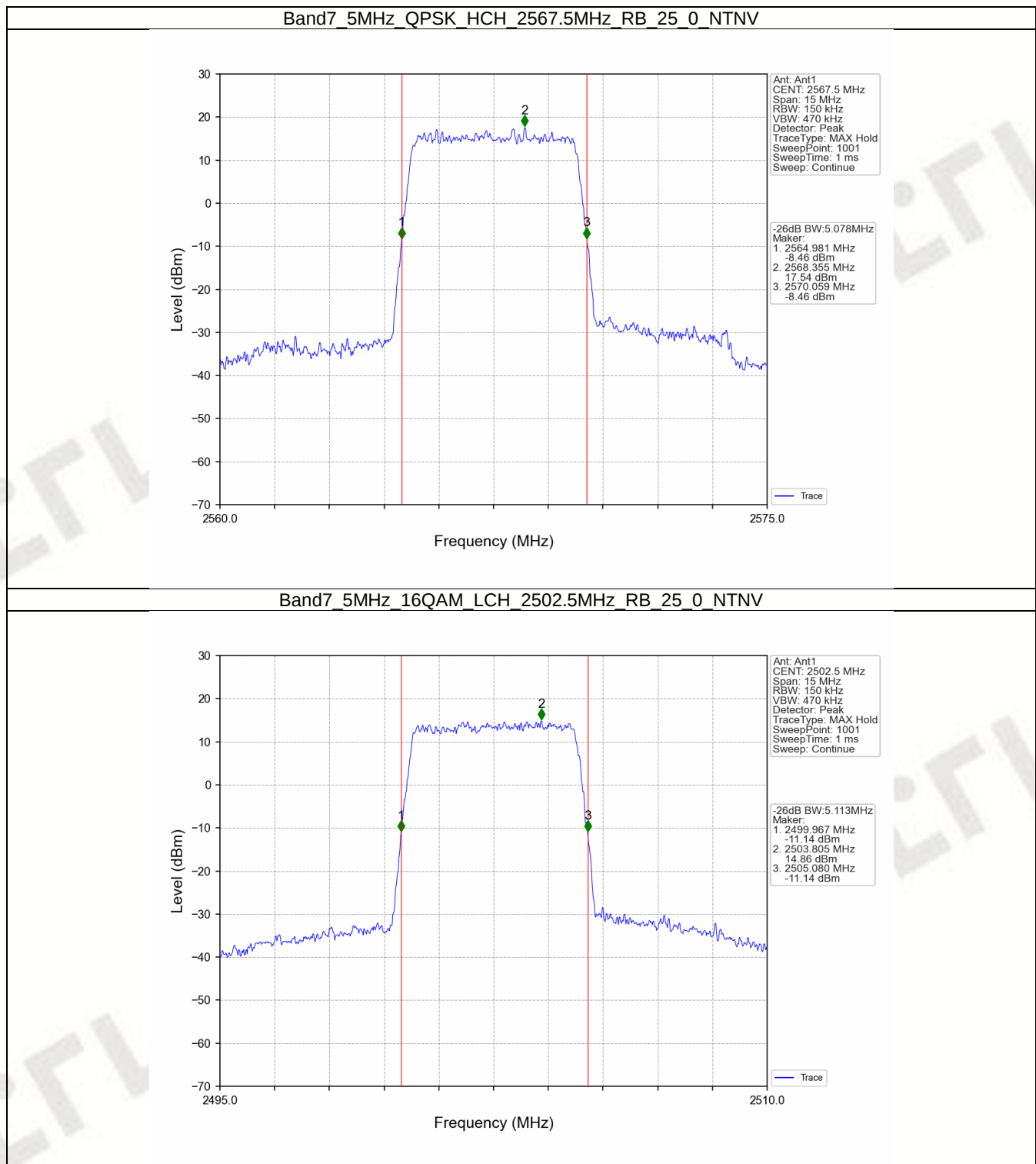


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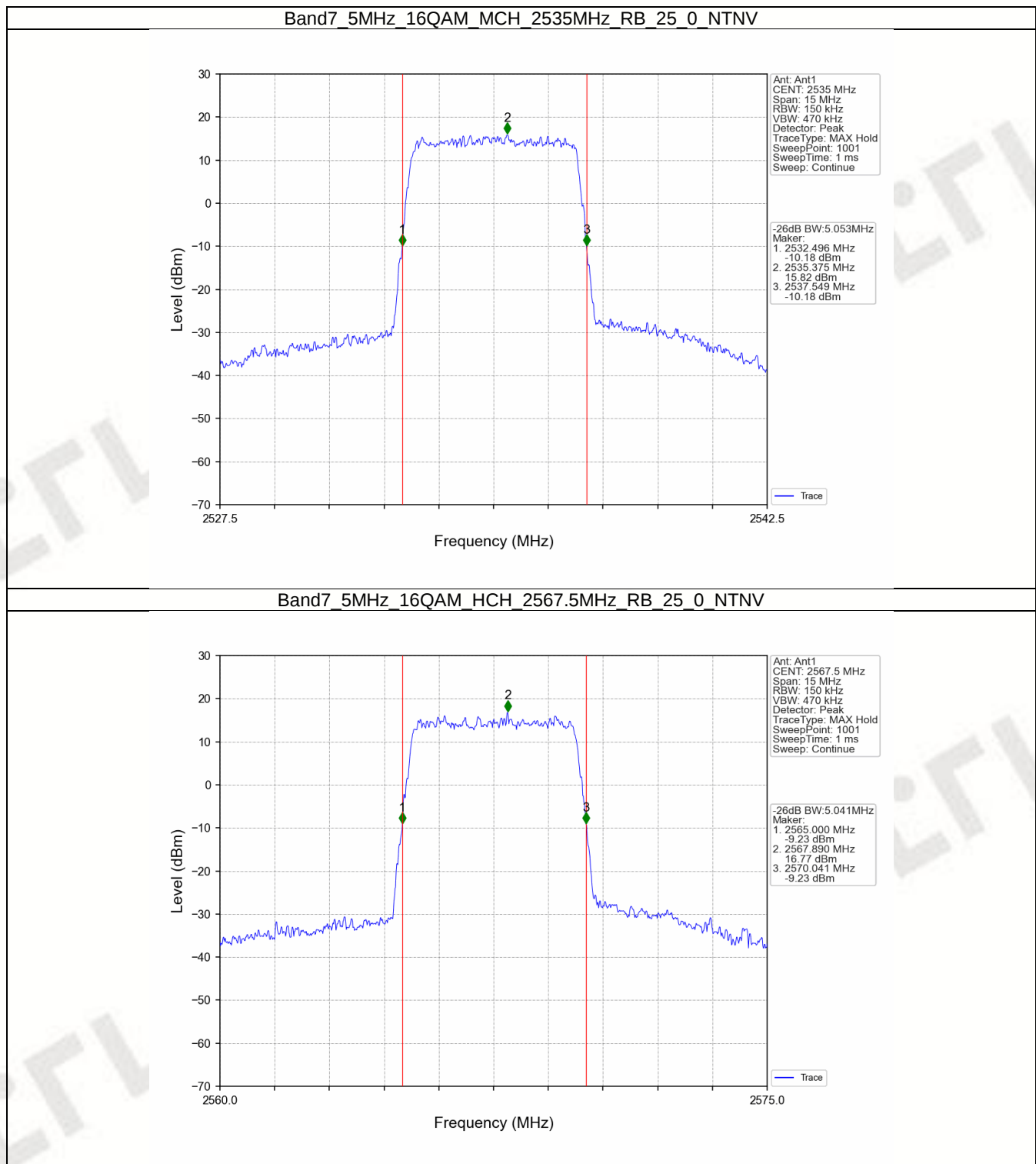
## 4.2.2 Band7\_XDB



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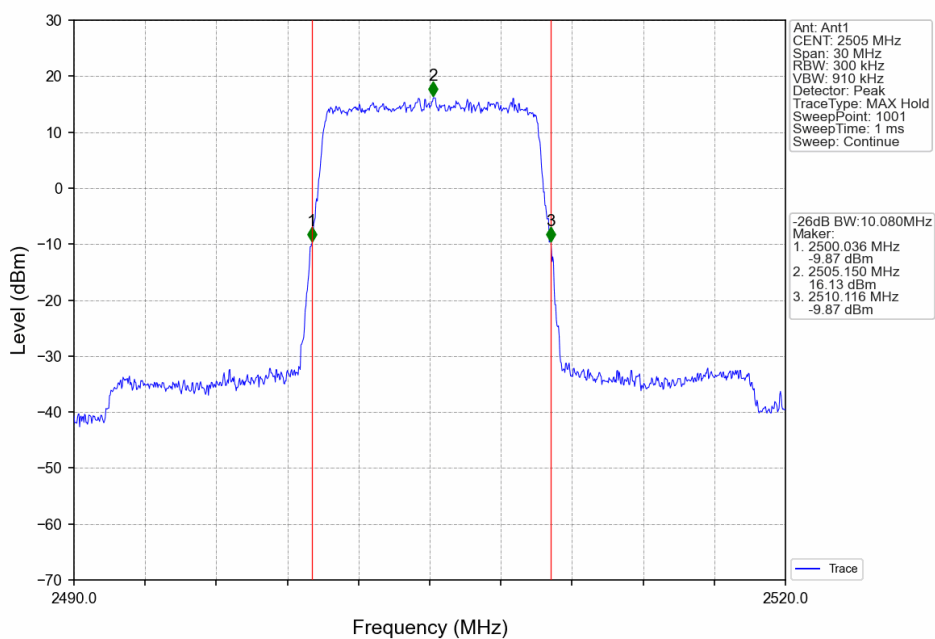


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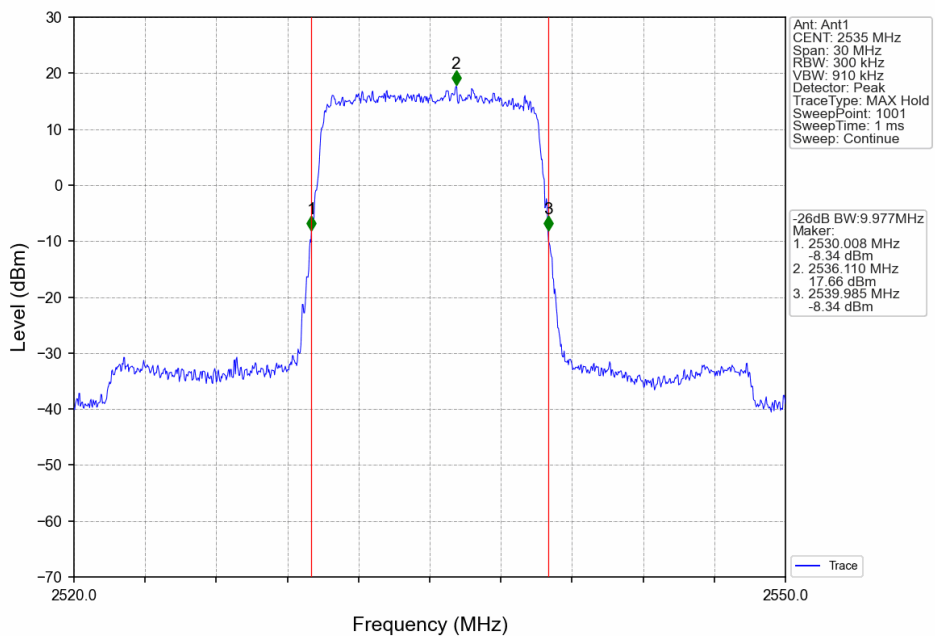


FCCID: 2BCUE-P8GLOBAL

Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV

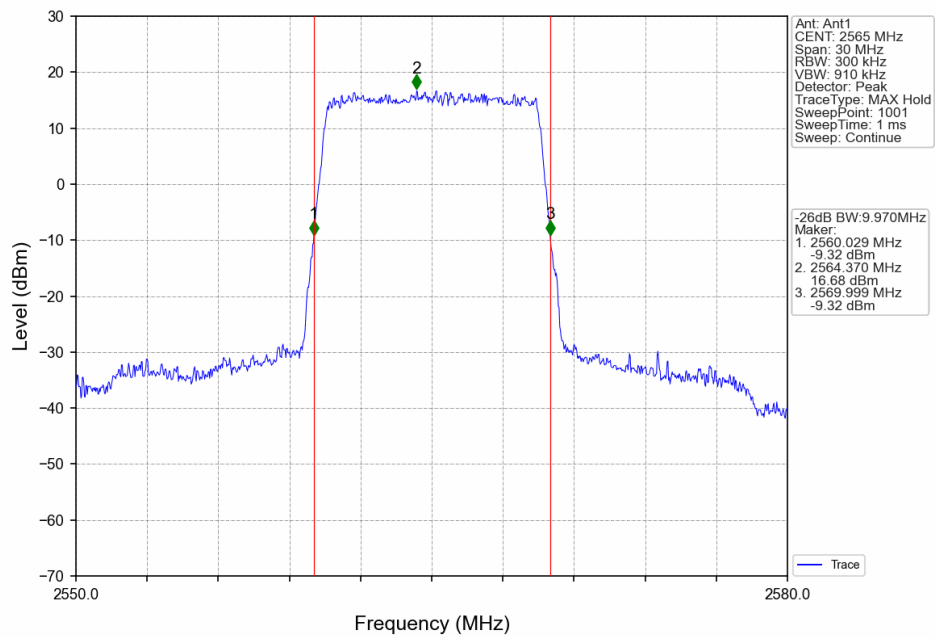


Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV

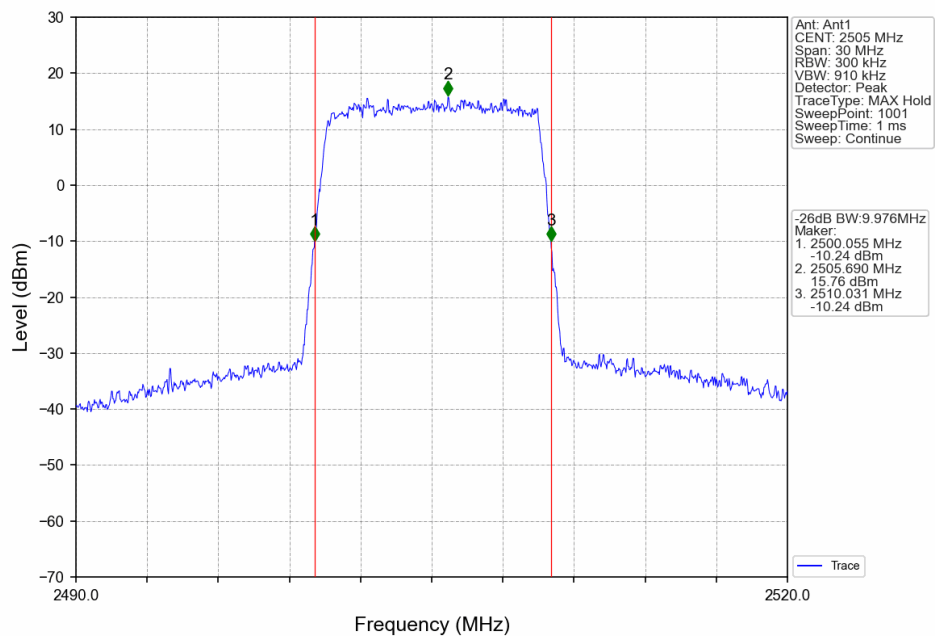


FCCID: 2BCUE-P8GLOBAL

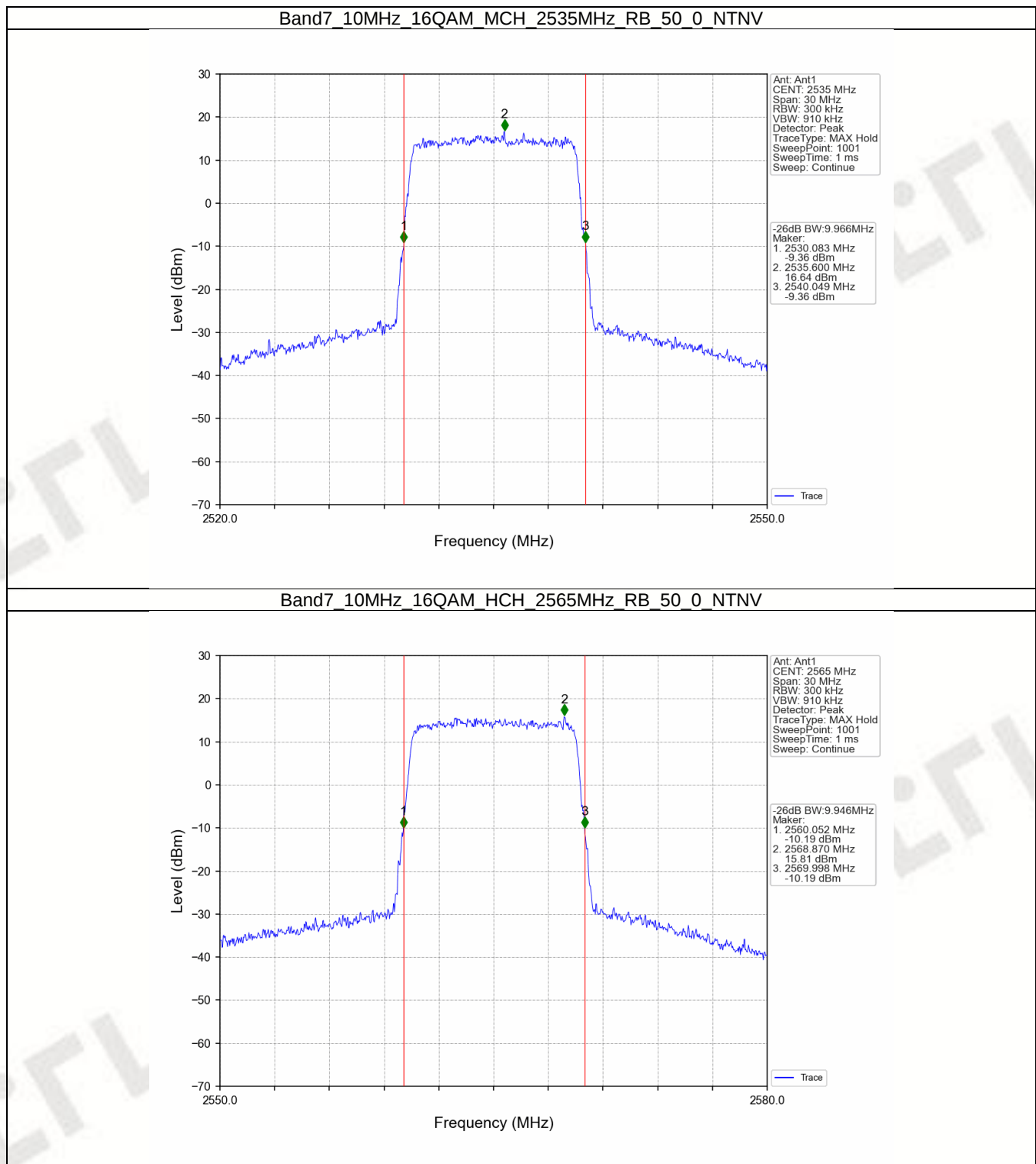
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



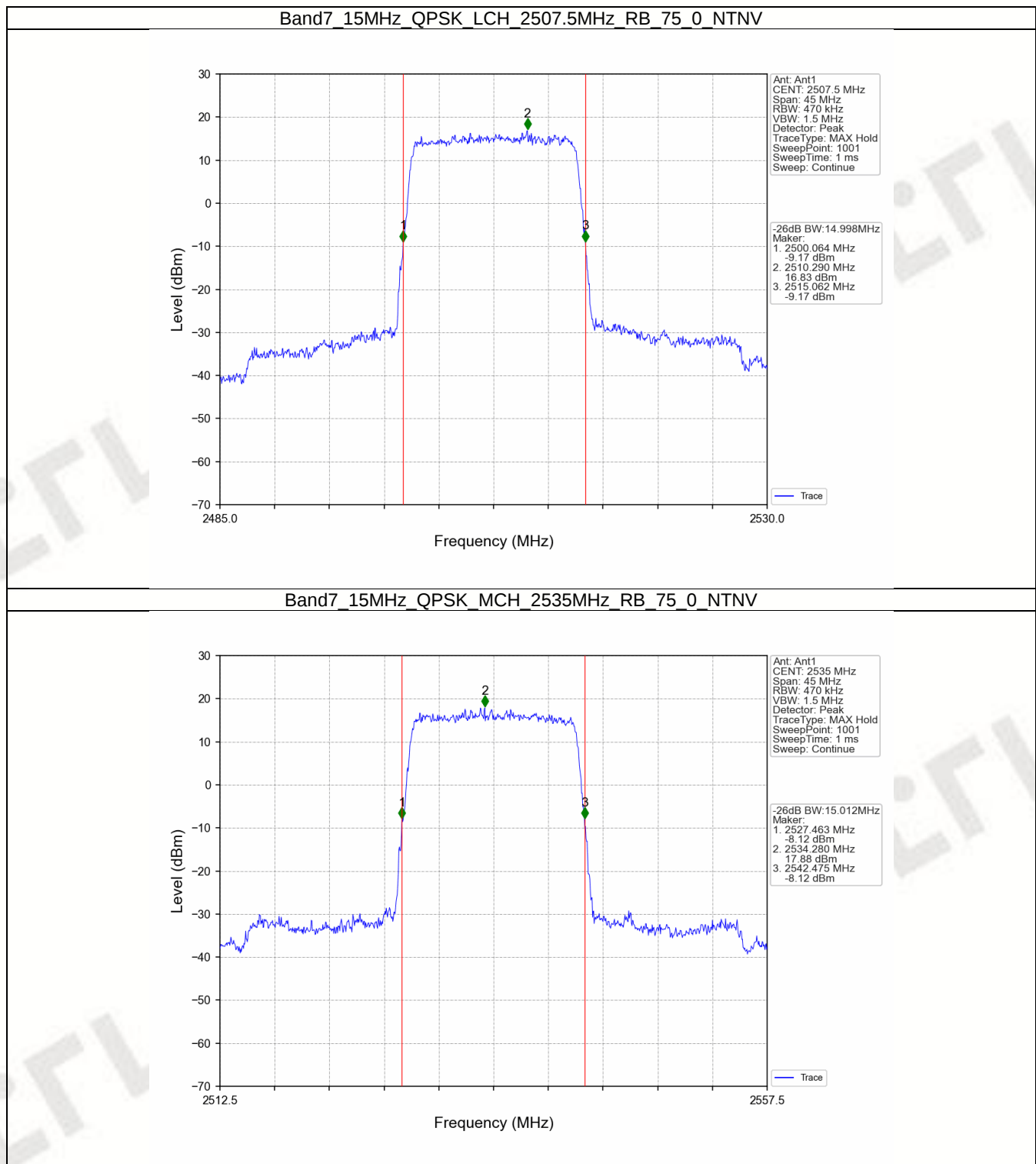
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



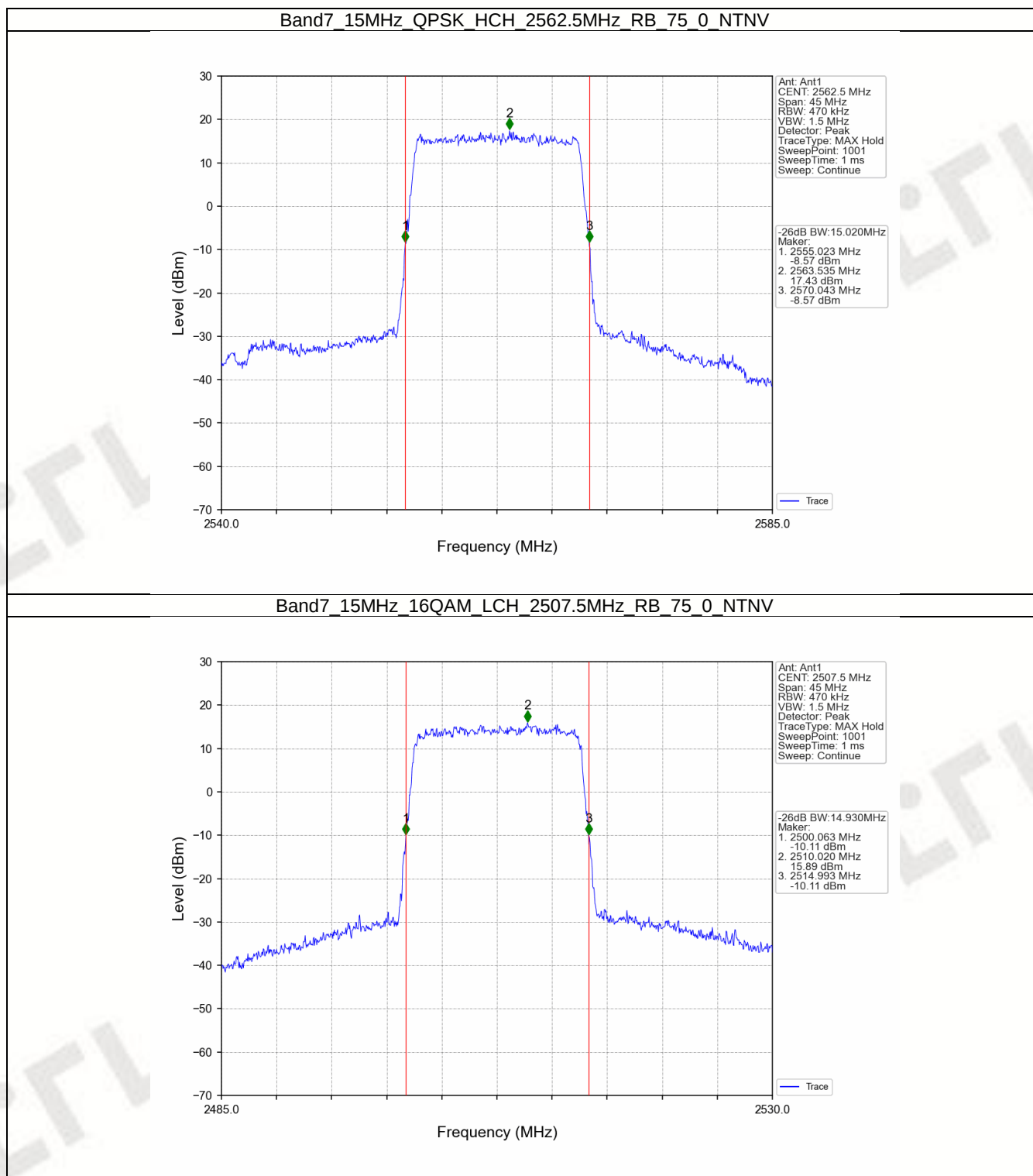
FCCID: 2BCUE-P8GLOBAL



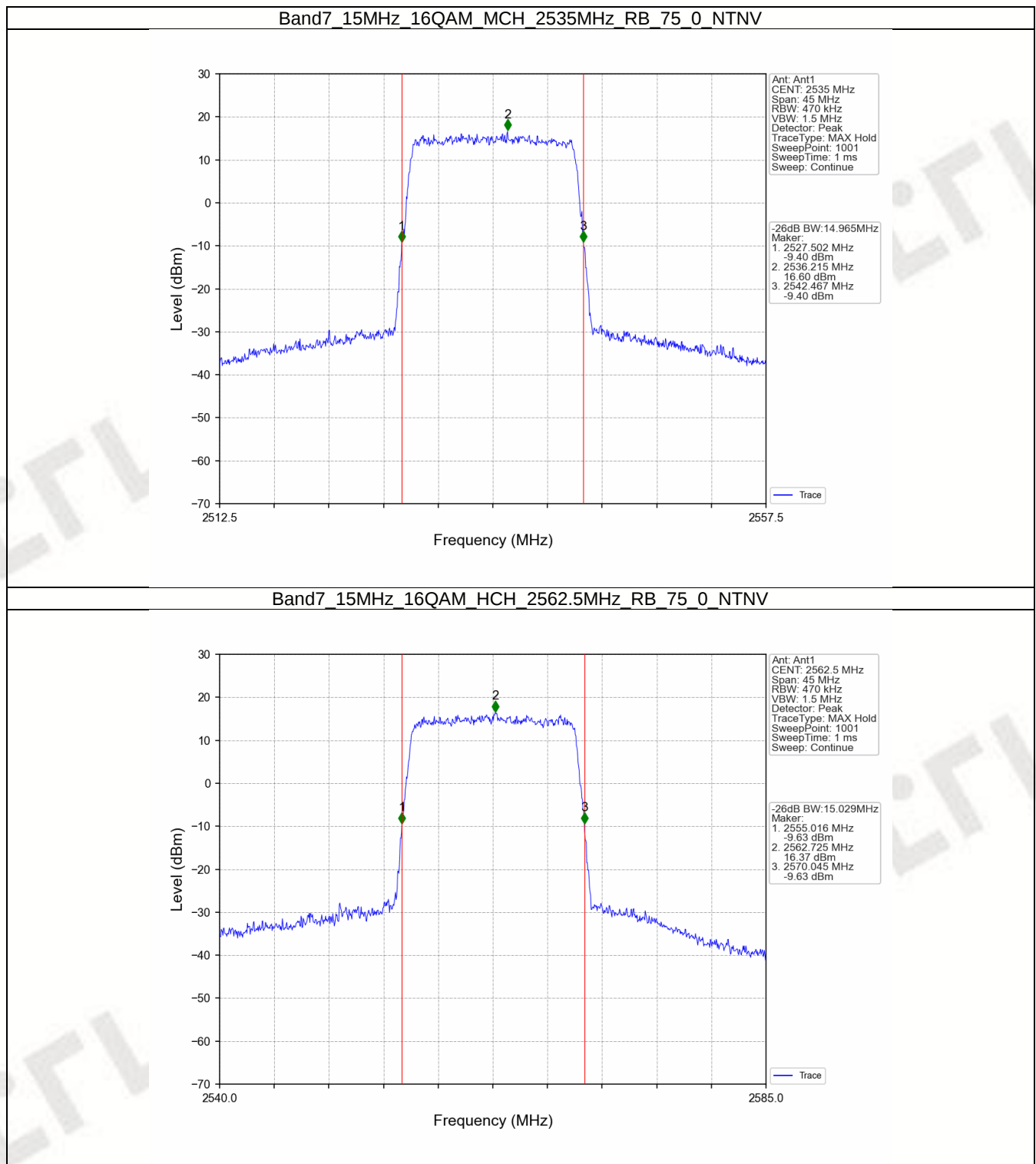
FCCID: 2BCUE-P8GLOBAL



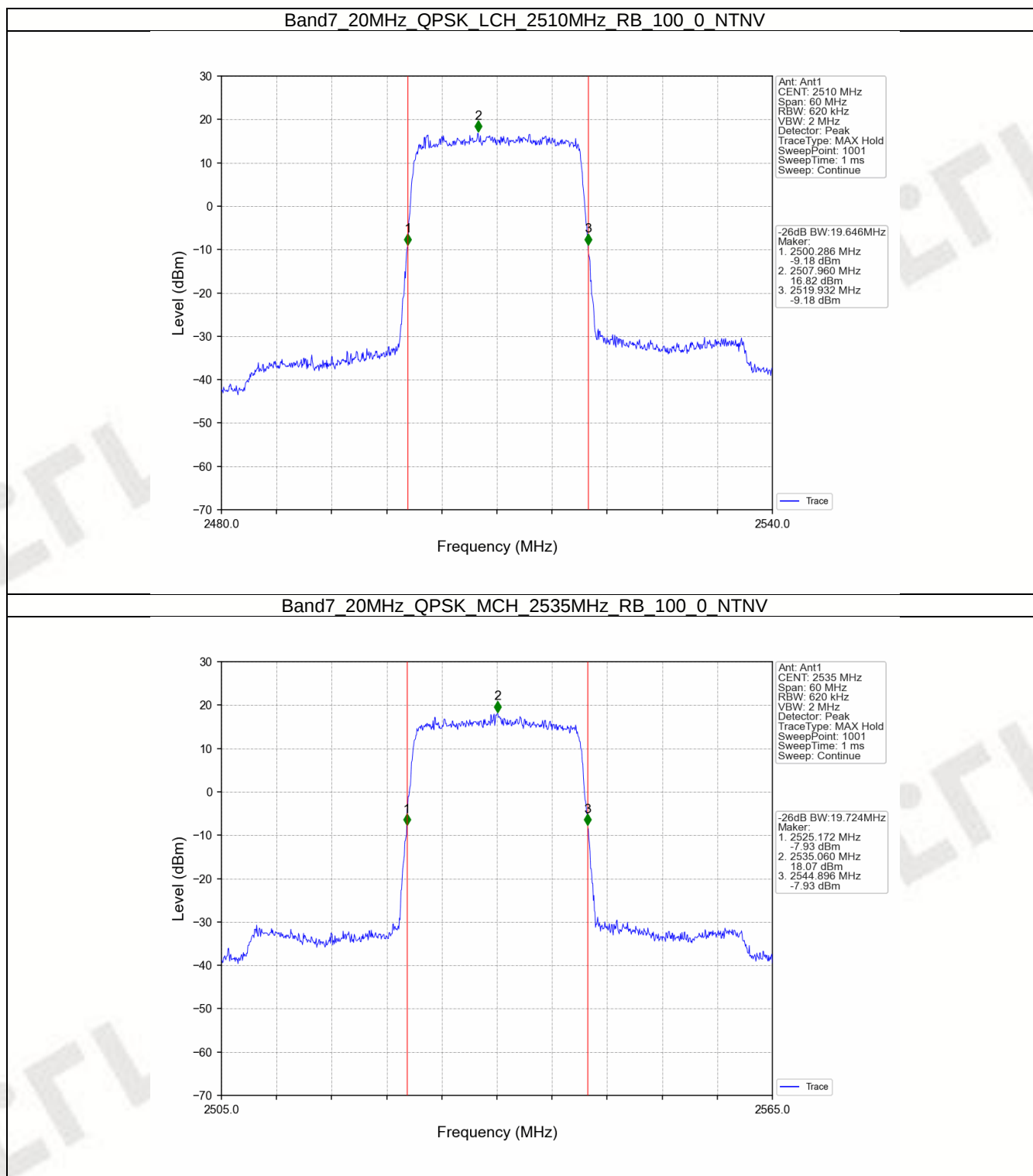
FCCID: 2BCUE-P8GLOBAL



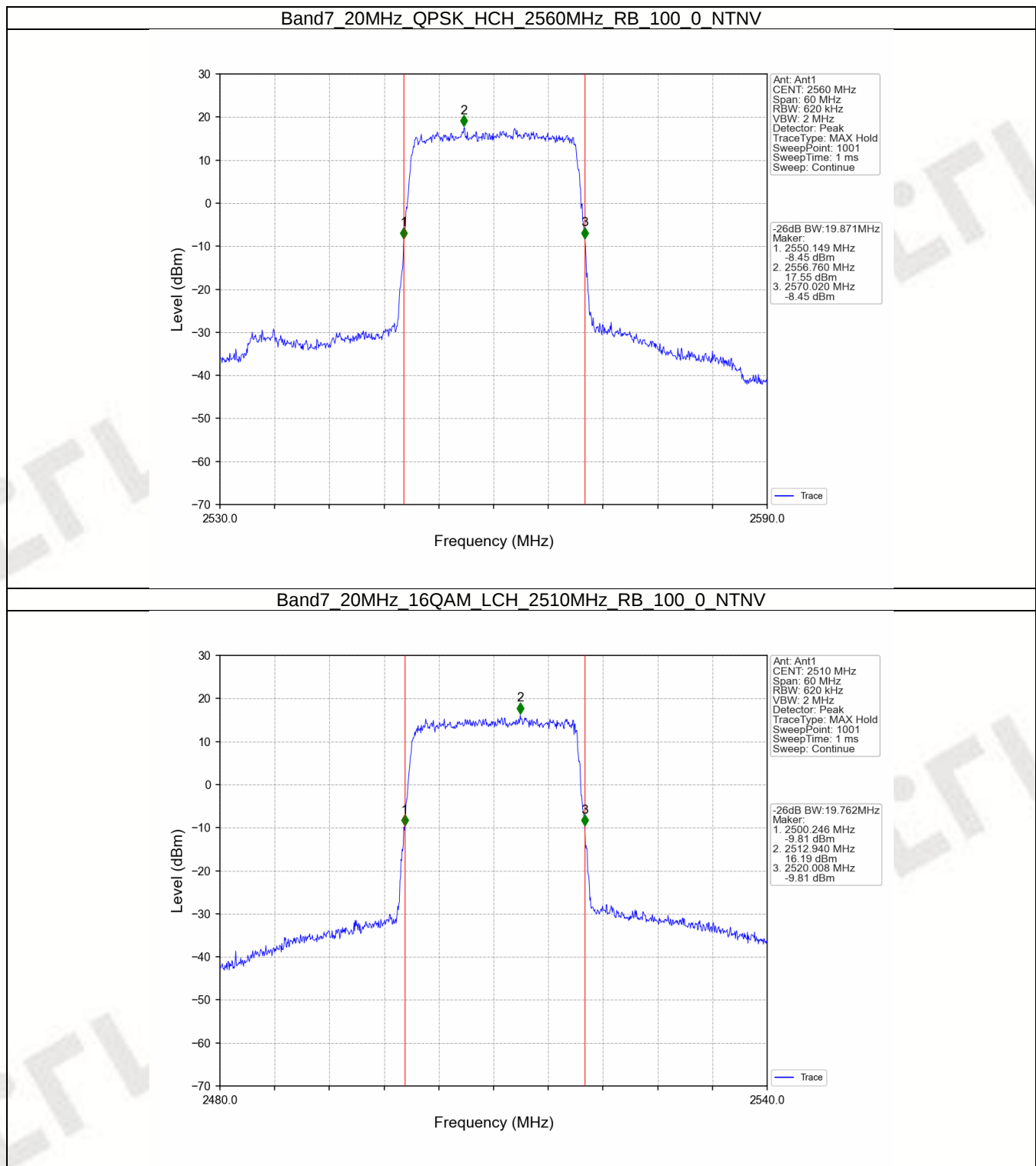
FCCID: 2BCUE-P8GLOBAL



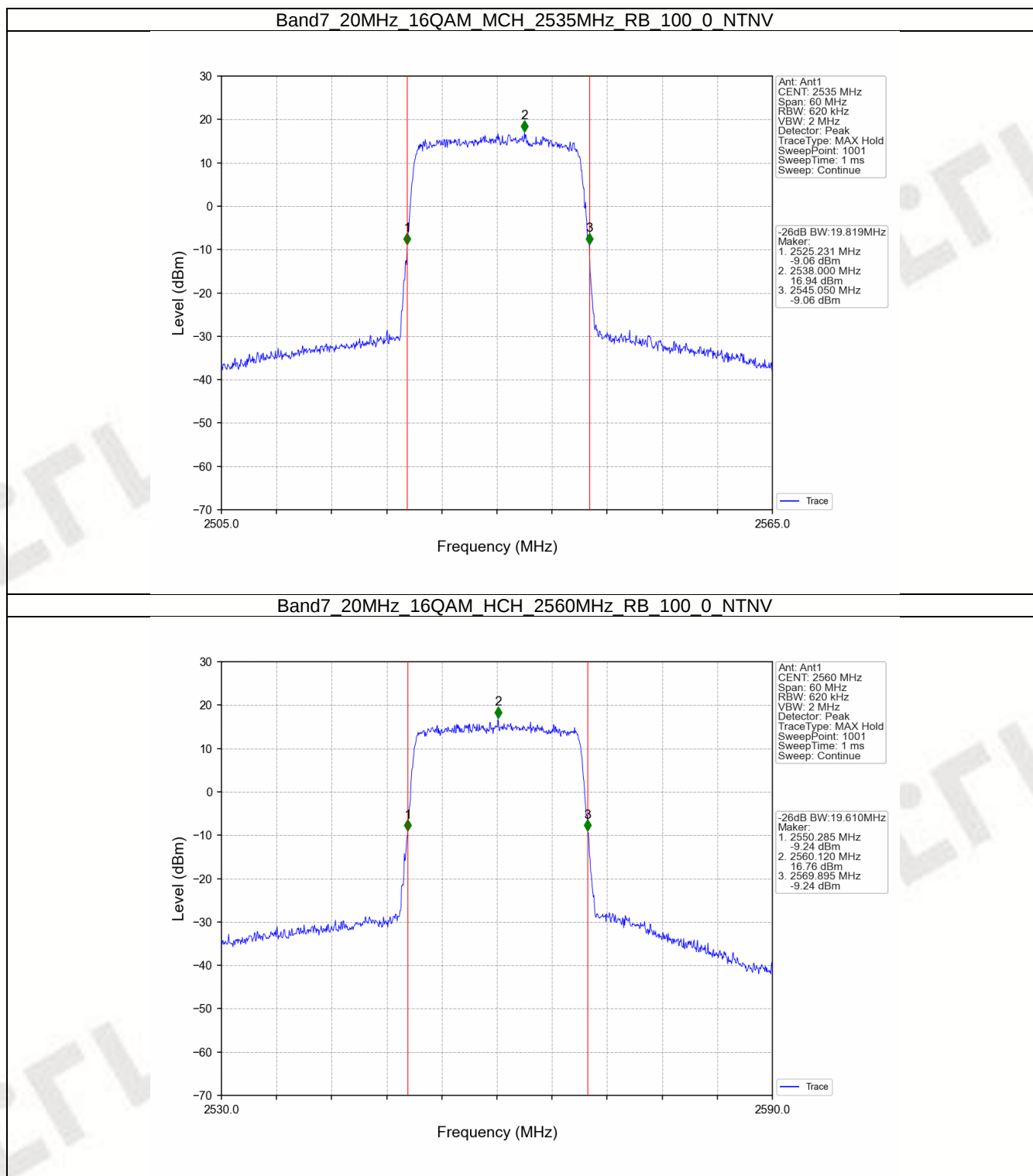
FCCID: 2BCUE-P8GLOBAL



FCCID: 2BCUE-P8GLOBAL



FCCID: 2BCUE-P8GLOBAL



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                  |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                             | 2502.5          | 25            | 0      | 5.24                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 5.30                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 5.19                    | <=13  | Pass    |
| 16QAM                            | 2502.5          | 25            | 0      | 6.01                    | <=13  | Pass    |
|                                  | 2535            | 25            | 0      | 6.07                    | <=13  | Pass    |
|                                  | 2567.5          | 25            | 0      | 6.00                    | <=13  | Pass    |

#### 5.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2505            | 50            | 0      | 5.18                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 5.22                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 5.24                    | <=13  | Pass    |
| 16QAM                             | 2505            | 50            | 0      | 5.99                    | <=13  | Pass    |
|                                   | 2535            | 50            | 0      | 6.03                    | <=13  | Pass    |
|                                   | 2565            | 50            | 0      | 6.07                    | <=13  | Pass    |

#### 5.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2507.5          | 75            | 0      | 5.39                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 5.37                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 5.37                    | <=13  | Pass    |
| 16QAM                             | 2507.5          | 75            | 0      | 6.07                    | <=13  | Pass    |
|                                   | 2535            | 75            | 0      | 6.08                    | <=13  | Pass    |
|                                   | 2562.5          | 75            | 0      | 6.12                    | <=13  | Pass    |

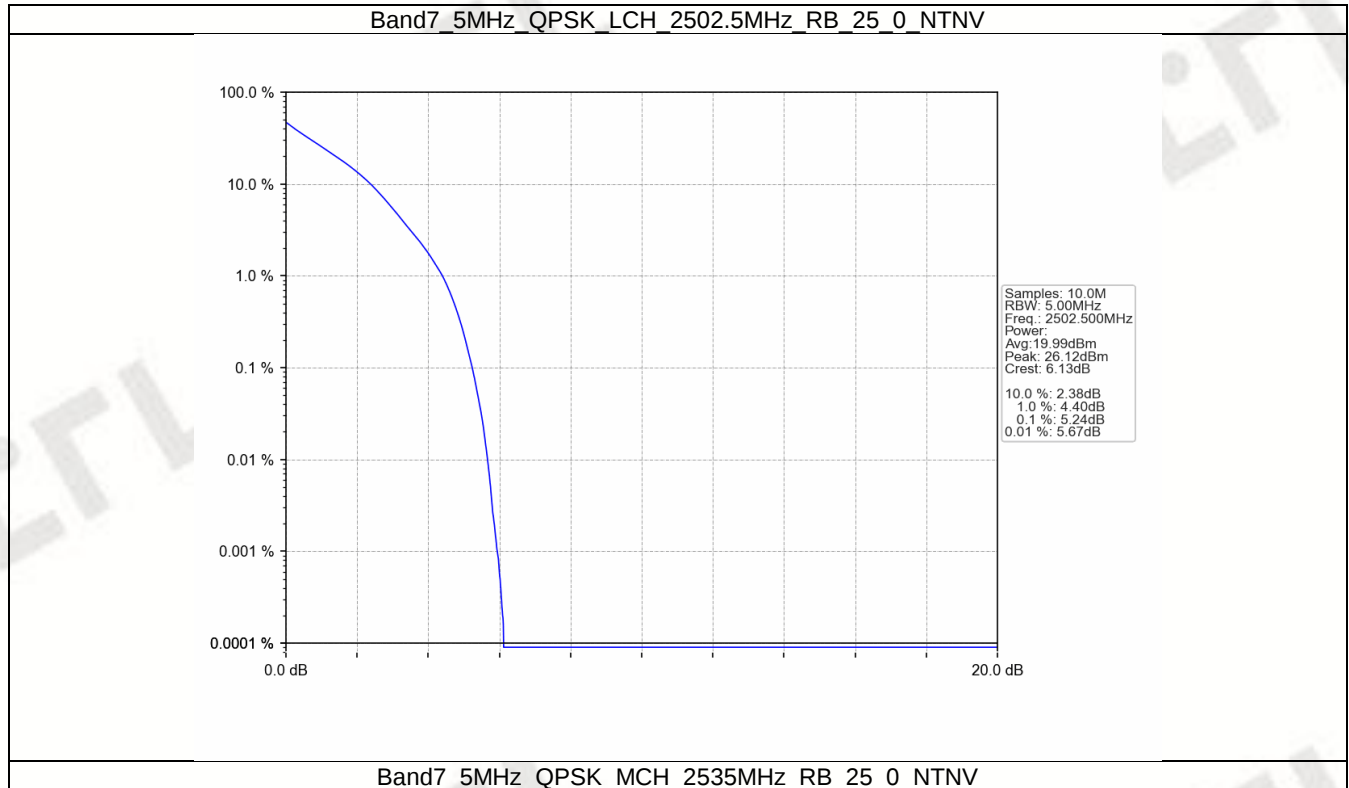
#### 5.1.4 B7\_20MHz

| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 2510            | 100           | 0      | 5.19                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 5.17                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 5.23                    | <=13  | Pass    |
| 16QAM                             | 2510            | 100           | 0      | 6.00                    | <=13  | Pass    |
|                                   | 2535            | 100           | 0      | 5.99                    | <=13  | Pass    |
|                                   | 2560            | 100           | 0      | 6.04                    | <=13  | Pass    |

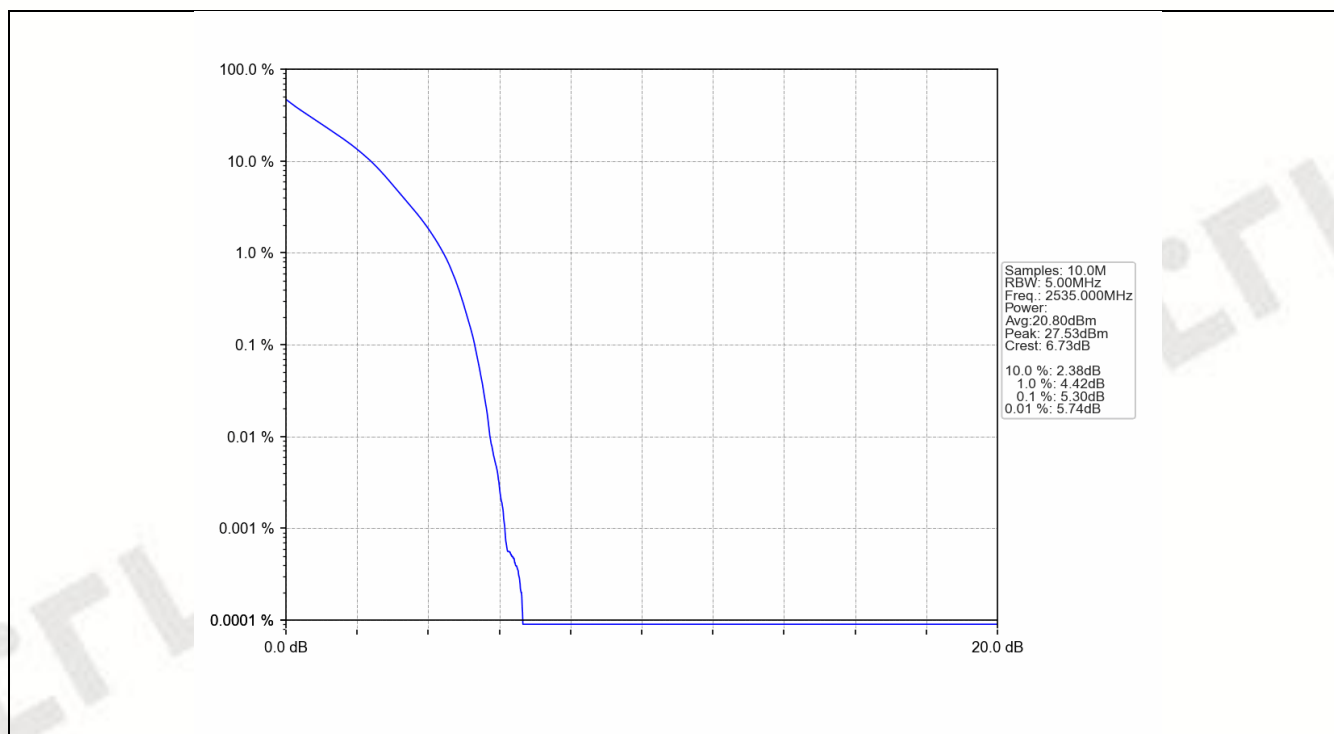
FCCID: 2BCUE-P8GLOBAL

## 5.2 Test Graph

### 5.2.1 B7\_5MHz

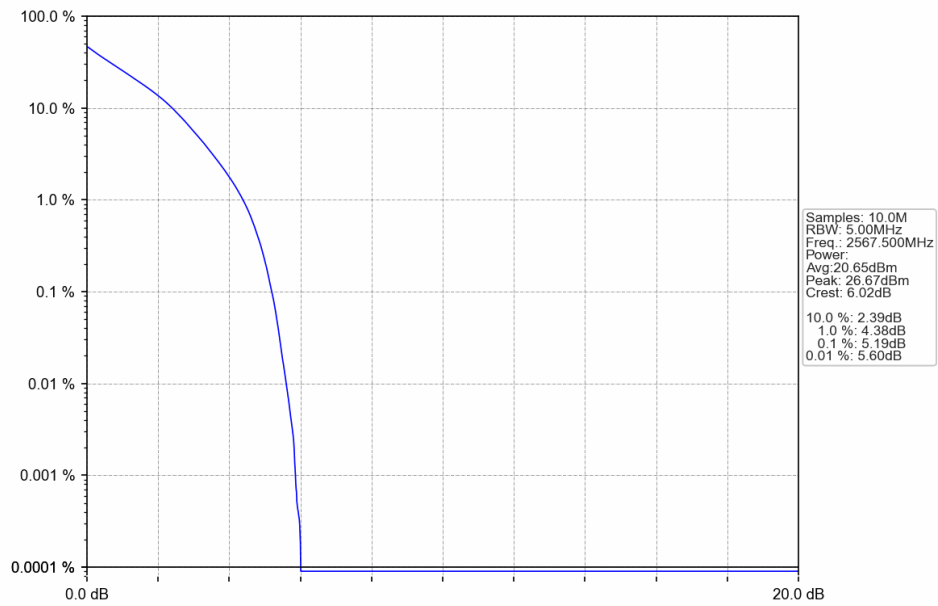


FCCID: 2BCUE-P8GLOBAL

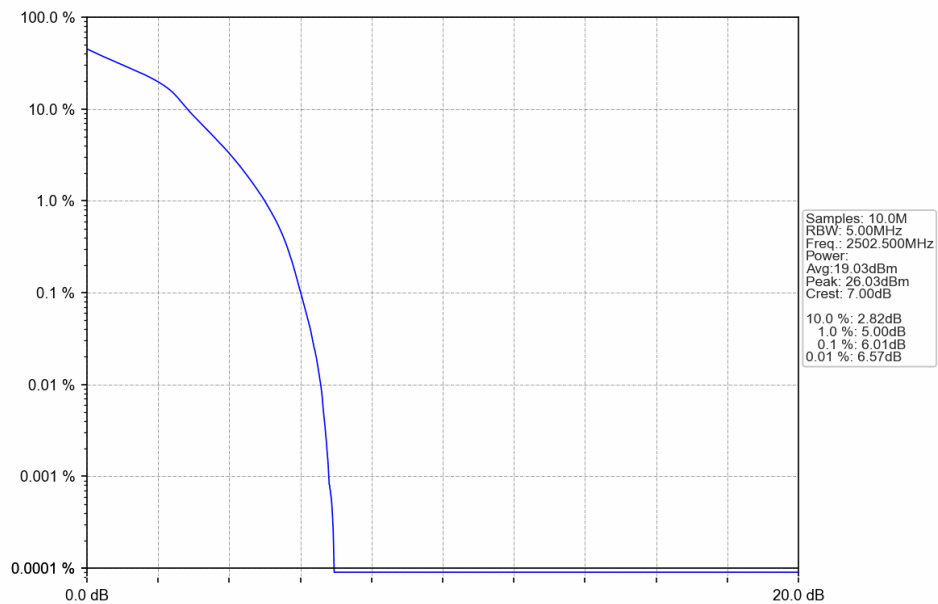


FCCID: 2BCUE-P8GLOBAL

Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV

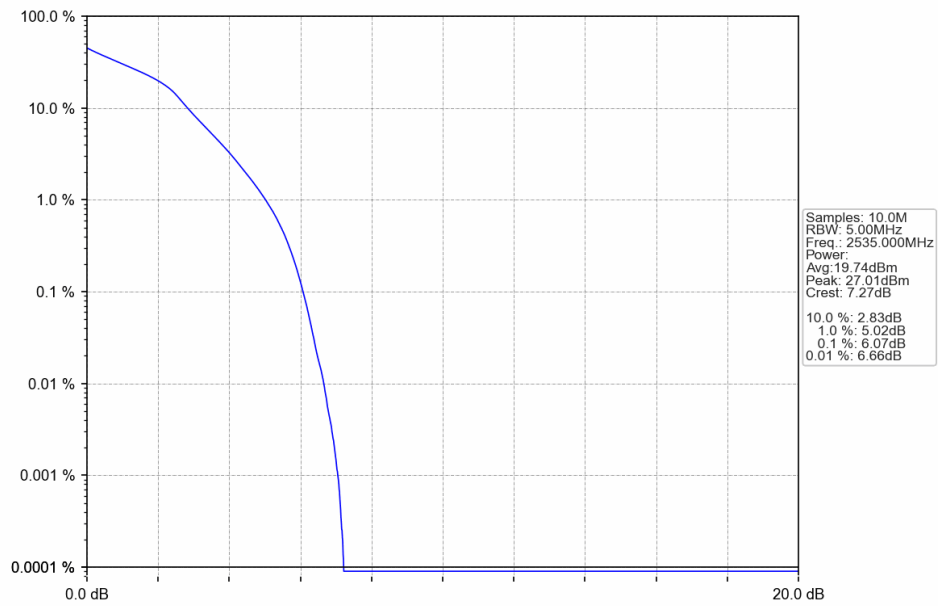


Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV

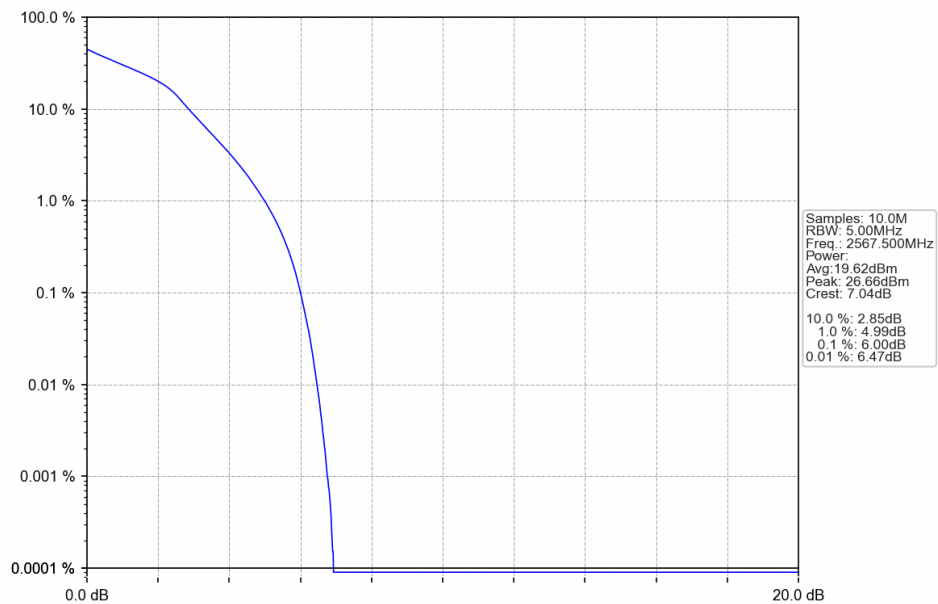


FCCID: 2BCUE-P8GLOBAL

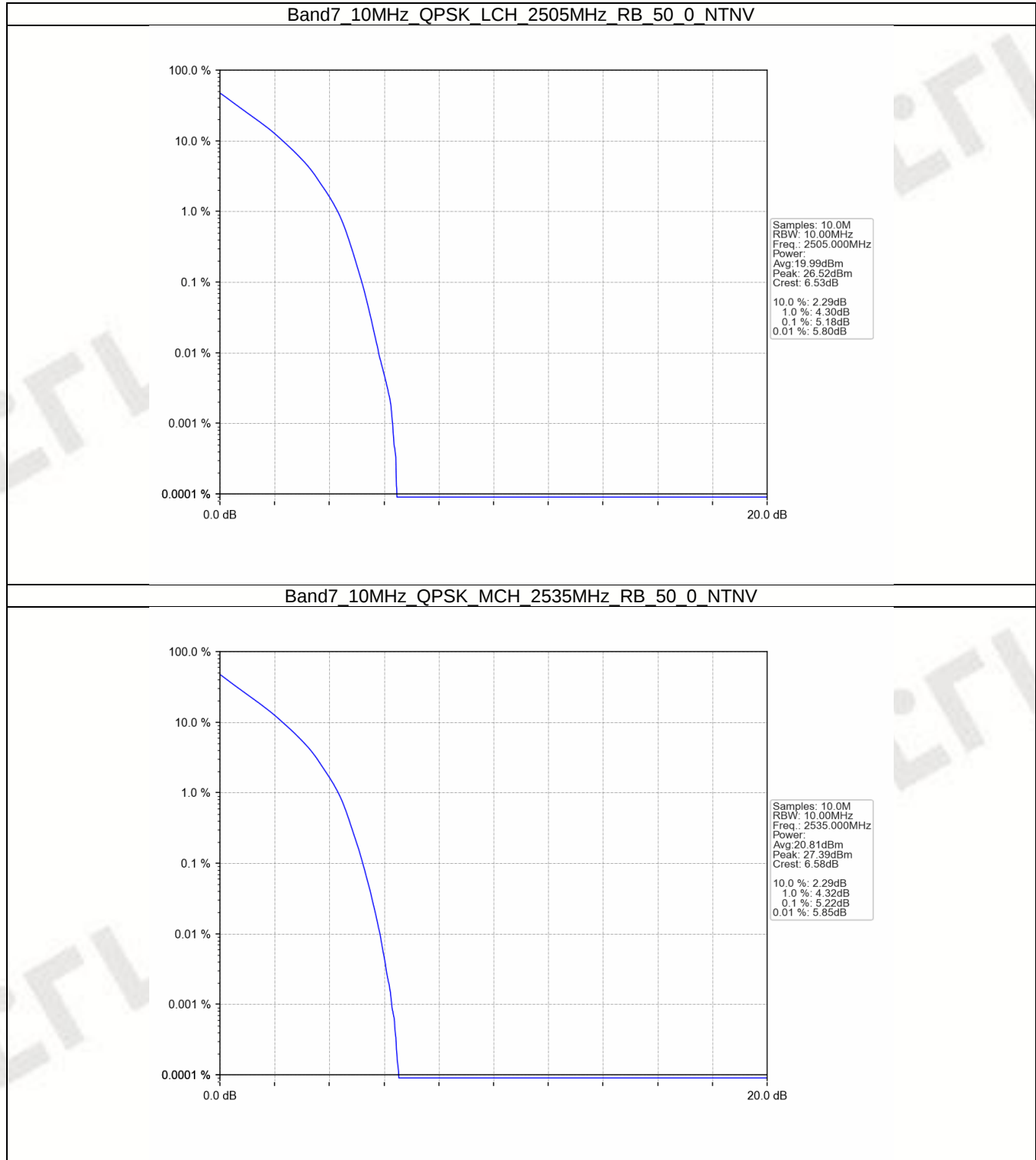
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV

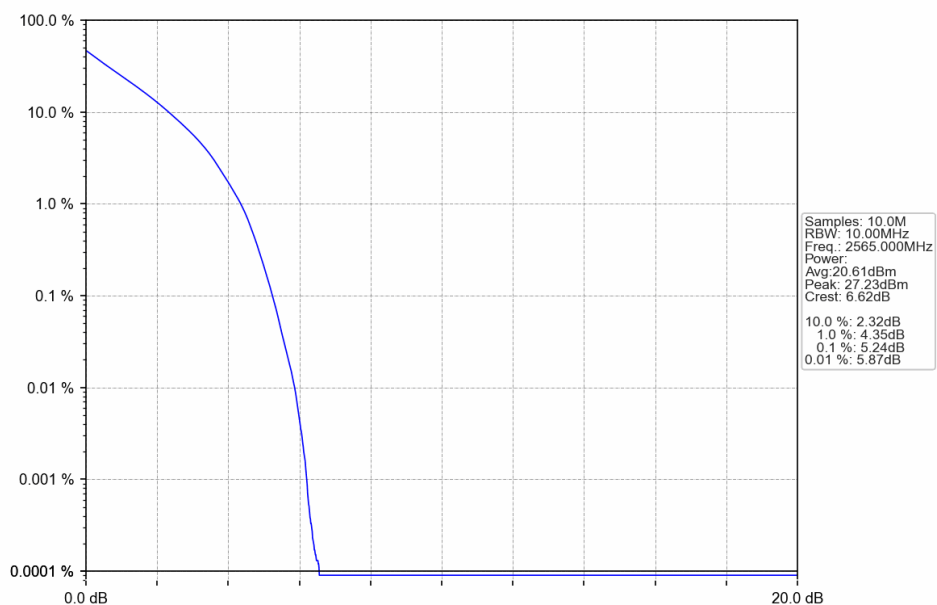


FCCID: 2BCUE-P8GLOBAL

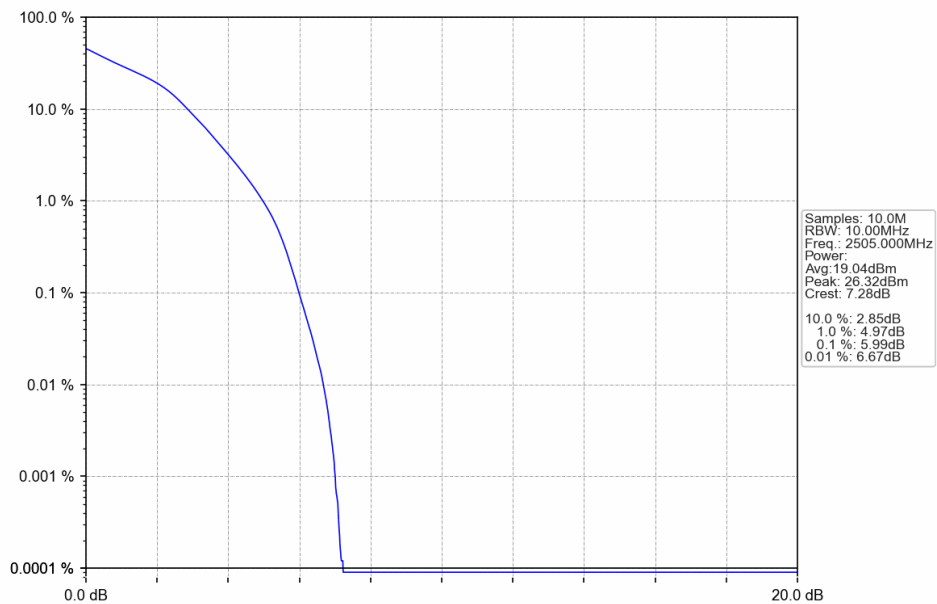
**5.2.2 B7\_10MHz**

FCCID: 2BCUE-P8GLOBAL

Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV

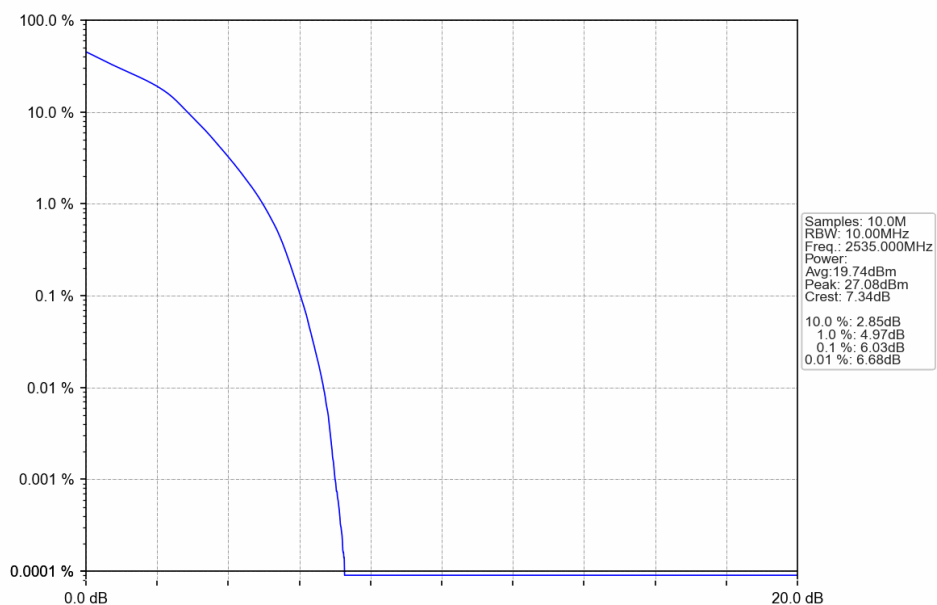


Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV

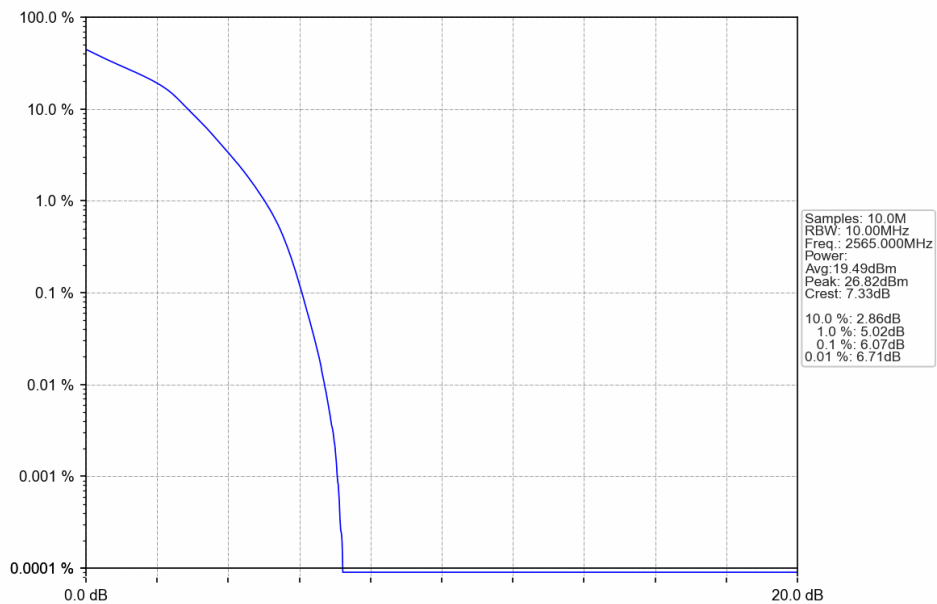


FCCID: 2BCUE-P8GLOBAL

Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV

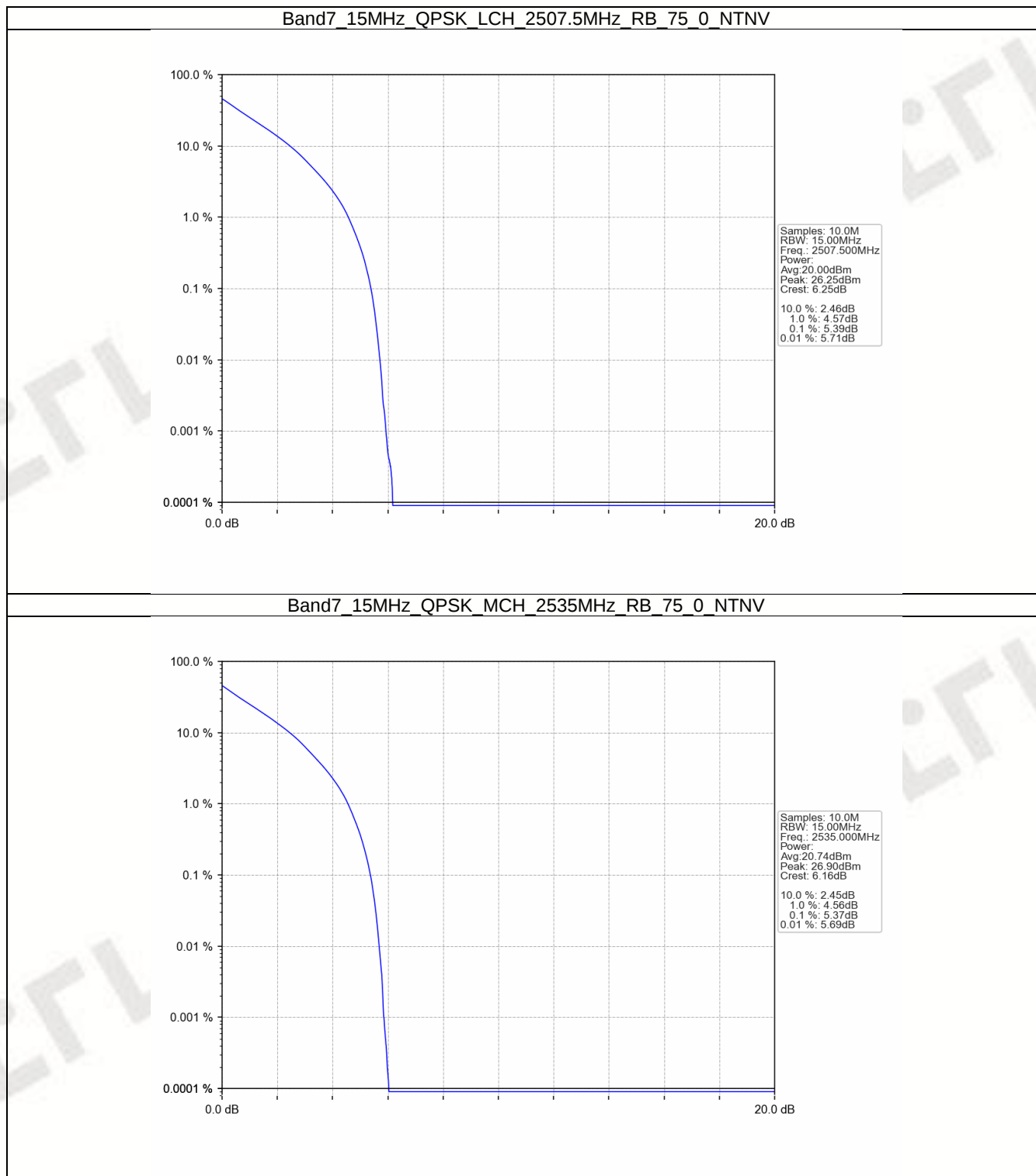


Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV

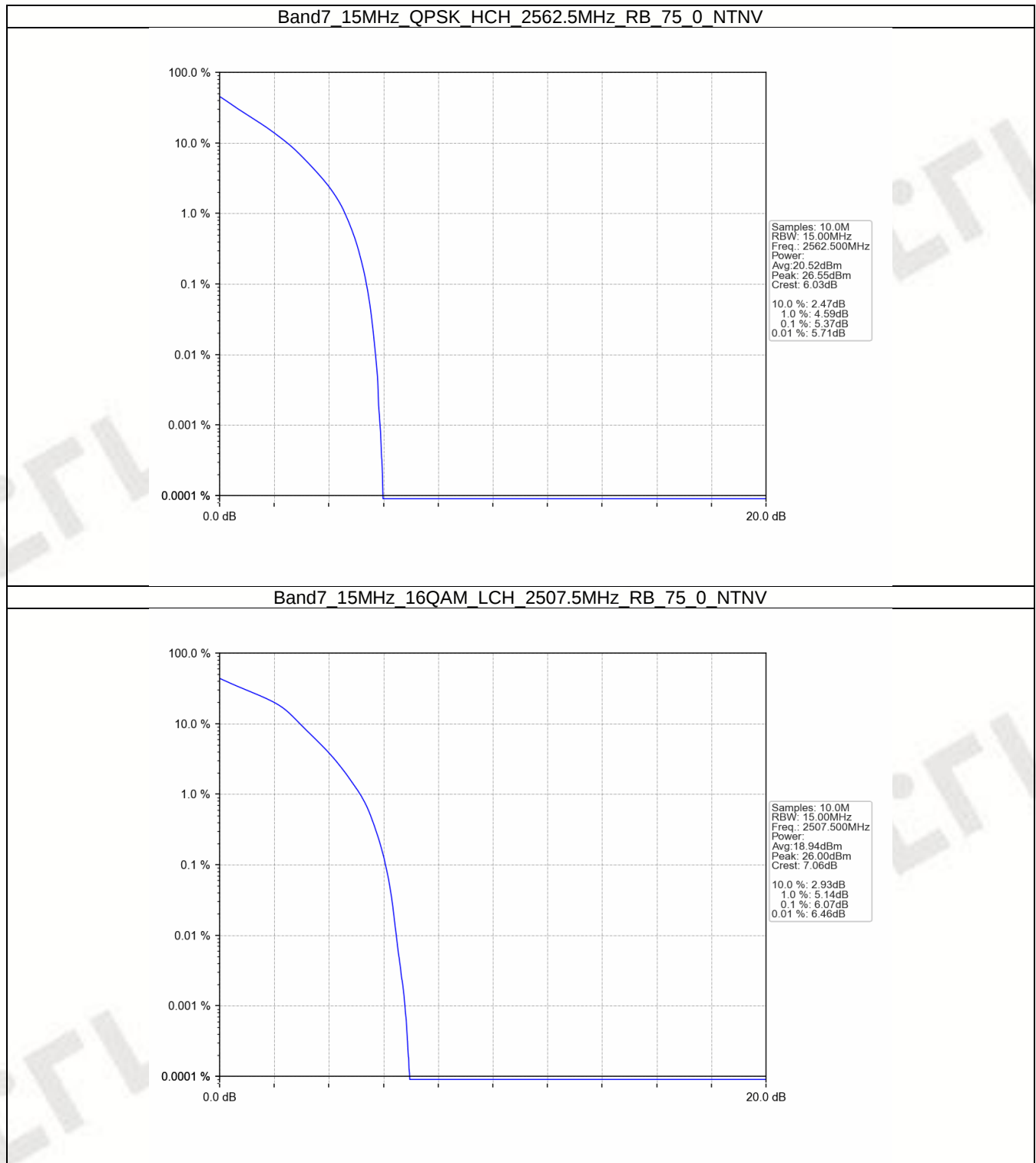


FCCID: 2BCUE-P8GLOBAL

## 5.2.3 B7\_15MHz

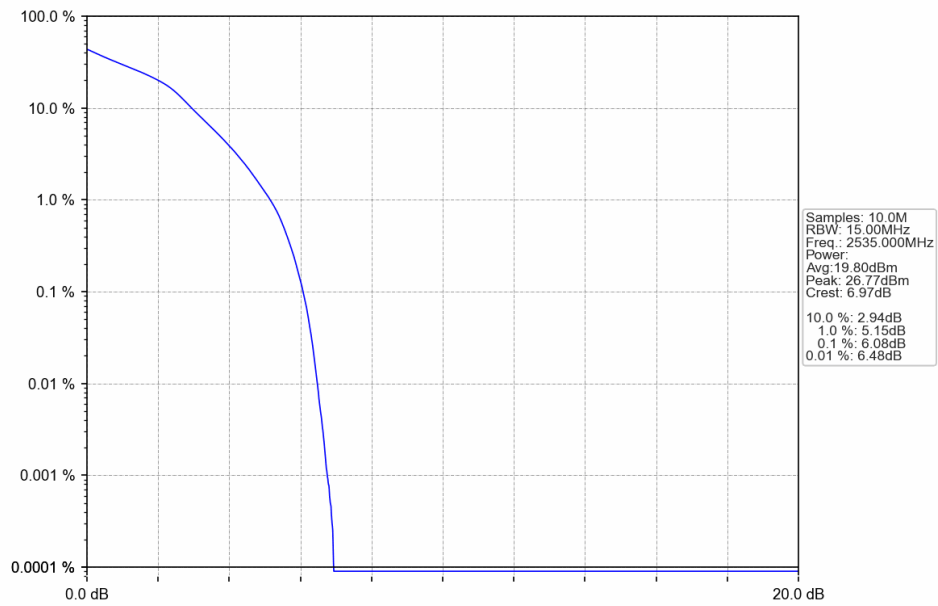


FCCID: 2BCUE-P8GLOBAL

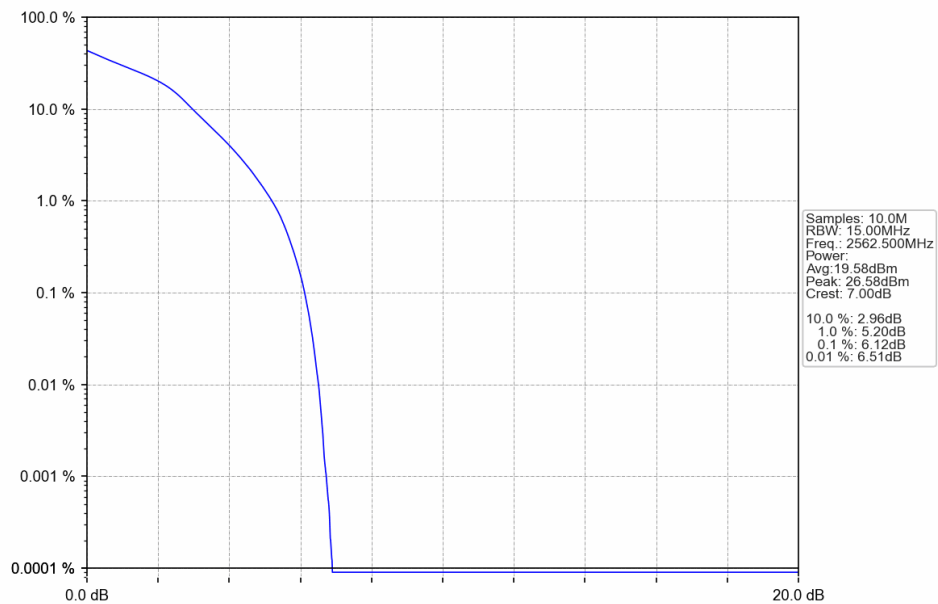


FCCID: 2BCUE-P8GLOBAL

Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV

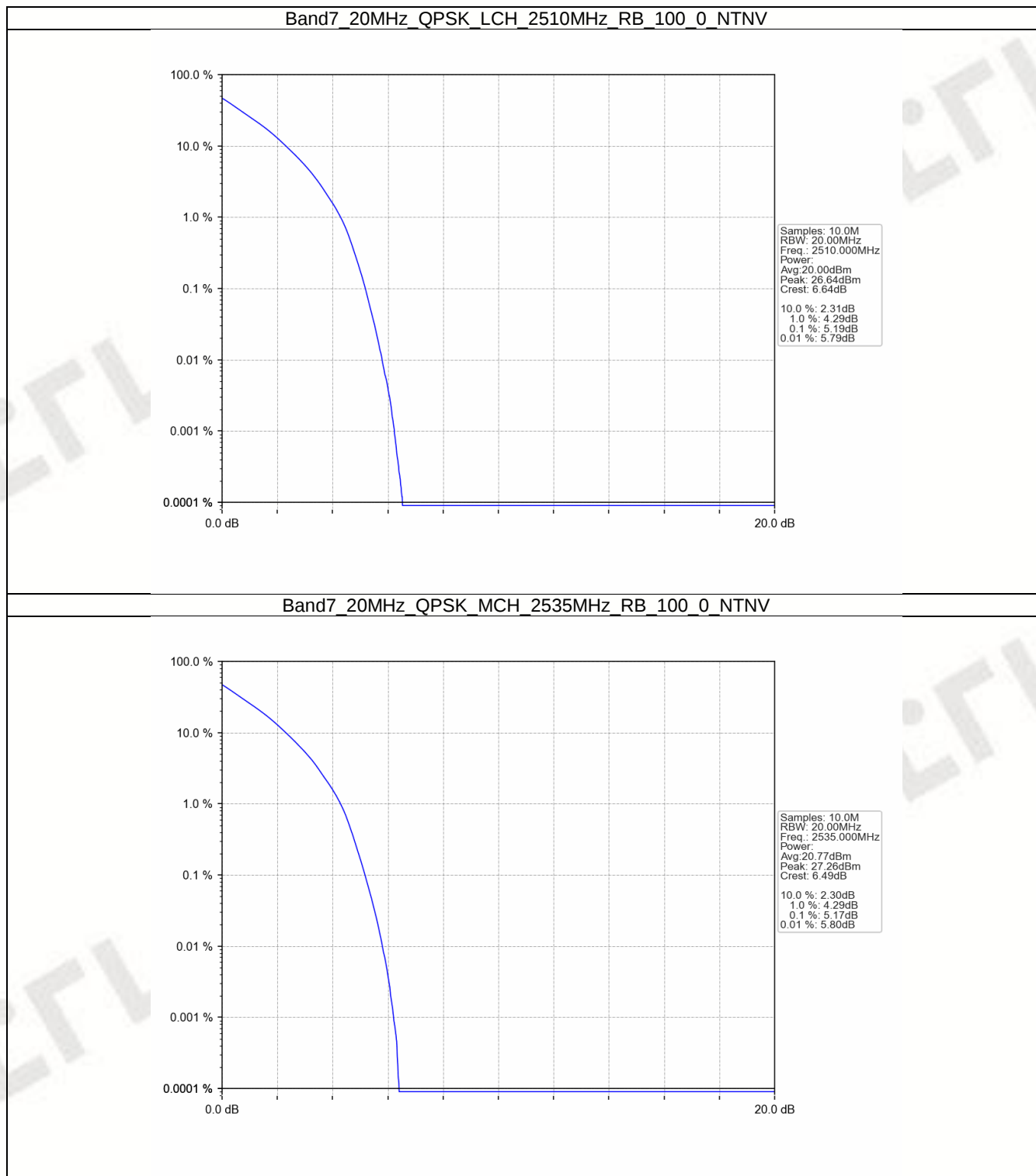


Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



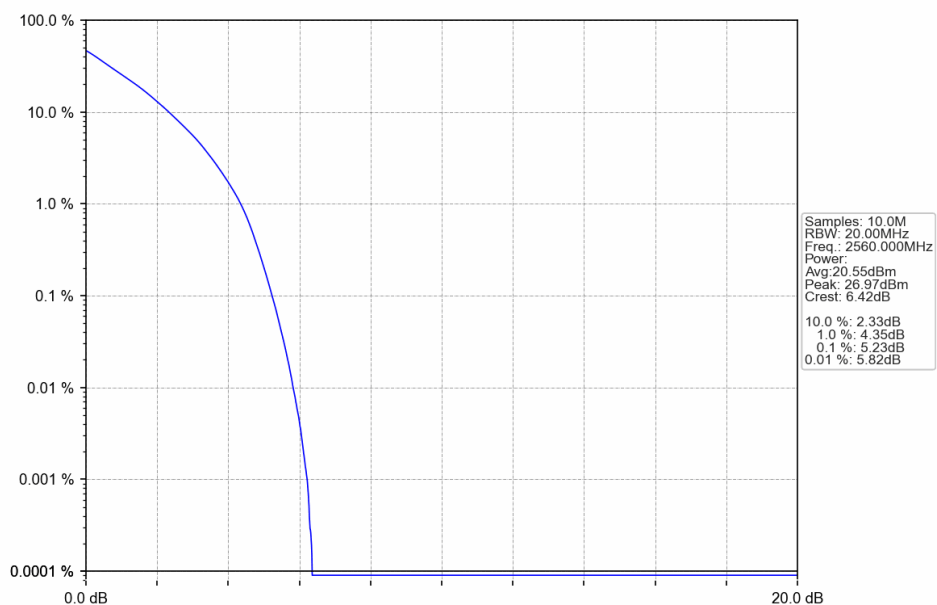
FCCID: 2BCUE-P8GLOBAL

## 5.2.4 B7\_20MHz

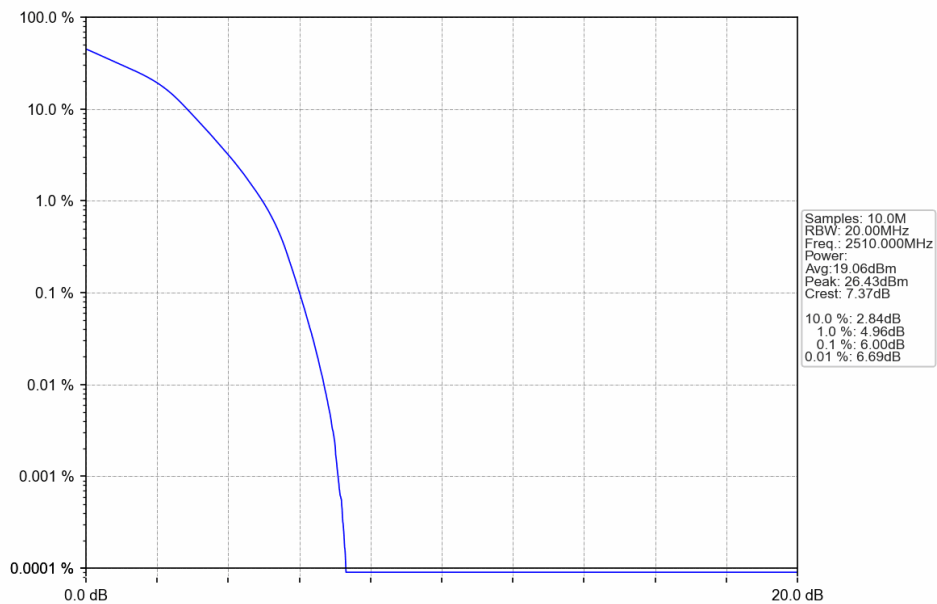


FCCID: 2BCUE-P8GLOBAL

Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV

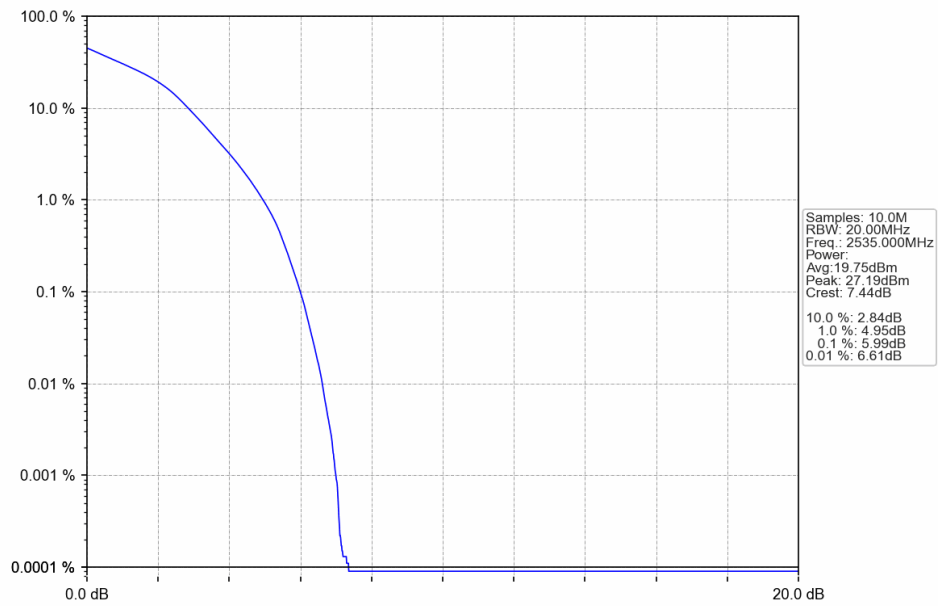


Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV

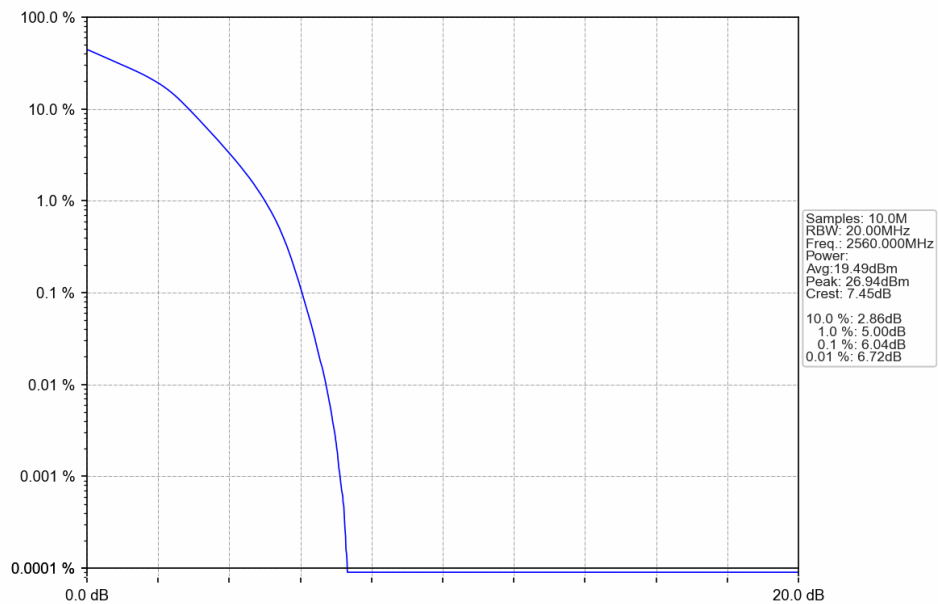


FCCID: 2BCUE-P8GLOBAL

Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 B7\_5MHz

| Band: 7 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                 | Size          | Offset | Result              | Limit |
| QPSK                             | 2502.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  | 2535            | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 |               | 24     | Refer To Test Graph | Pass  |
|                                  |                 |               | 0      | Refer To Test Graph | Pass  |
| 16QAM                            | 2502.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 25            | 0      | Refer To Test Graph | Pass  |
|                                  | 2535            | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 |               | 24     | Refer To Test Graph | Pass  |
|                                  |                 |               | 0      | Refer To Test Graph | Pass  |

#### 6.1.2 B7\_10MHz

| Band: 7 / Bandwidth: 10MHz / NTNV |                 |               |        |                     |       |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                   |                 | Size          | Offset | Result              | Limit |
| QPSK                              | 2505            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |
|                                   | 2535            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 |               | 49     | Refer To Test Graph | Pass  |
|                                   |                 |               | 0      | Refer To Test Graph | Pass  |
| 16QAM                             | 2505            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 50            | 0      | Refer To Test Graph | Pass  |
|                                   | 2535            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 |               | 49     | Refer To Test Graph | Pass  |
|                                   |                 |               | 0      | Refer To Test Graph | Pass  |

#### 6.1.3 B7\_15MHz

| Band: 7 / Bandwidth: 15MHz / NTNV |                 |               |        |                     |       |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                   |                 | Size          | Offset | Result              | Limit |
| QPSK                              | 2507.5          | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 75            | 0      | Refer To Test Graph | Pass  |
|                                   | 2535            | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 | 1             | 0      | Refer To Test Graph | Pass  |
|                                   |                 |               | 74     | Refer To Test Graph | Pass  |
|                                   |                 |               | 0      | Refer To Test Graph | Pass  |

FCCID: 2BCUE-P8GLOBAL

|       |        |    |    |                     |      |
|-------|--------|----|----|---------------------|------|
| 16QAM | 2507.5 | 1  | 0  | Refer To Test Graph | Pass |
|       |        | 75 | 0  | Refer To Test Graph | Pass |
|       | 2535   | 1  | 0  | Refer To Test Graph | Pass |
|       | 2562.5 | 1  | 0  | Refer To Test Graph | Pass |
|       |        |    | 74 | Refer To Test Graph | Pass |
|       |        | 75 | 0  | Refer To Test Graph | Pass |

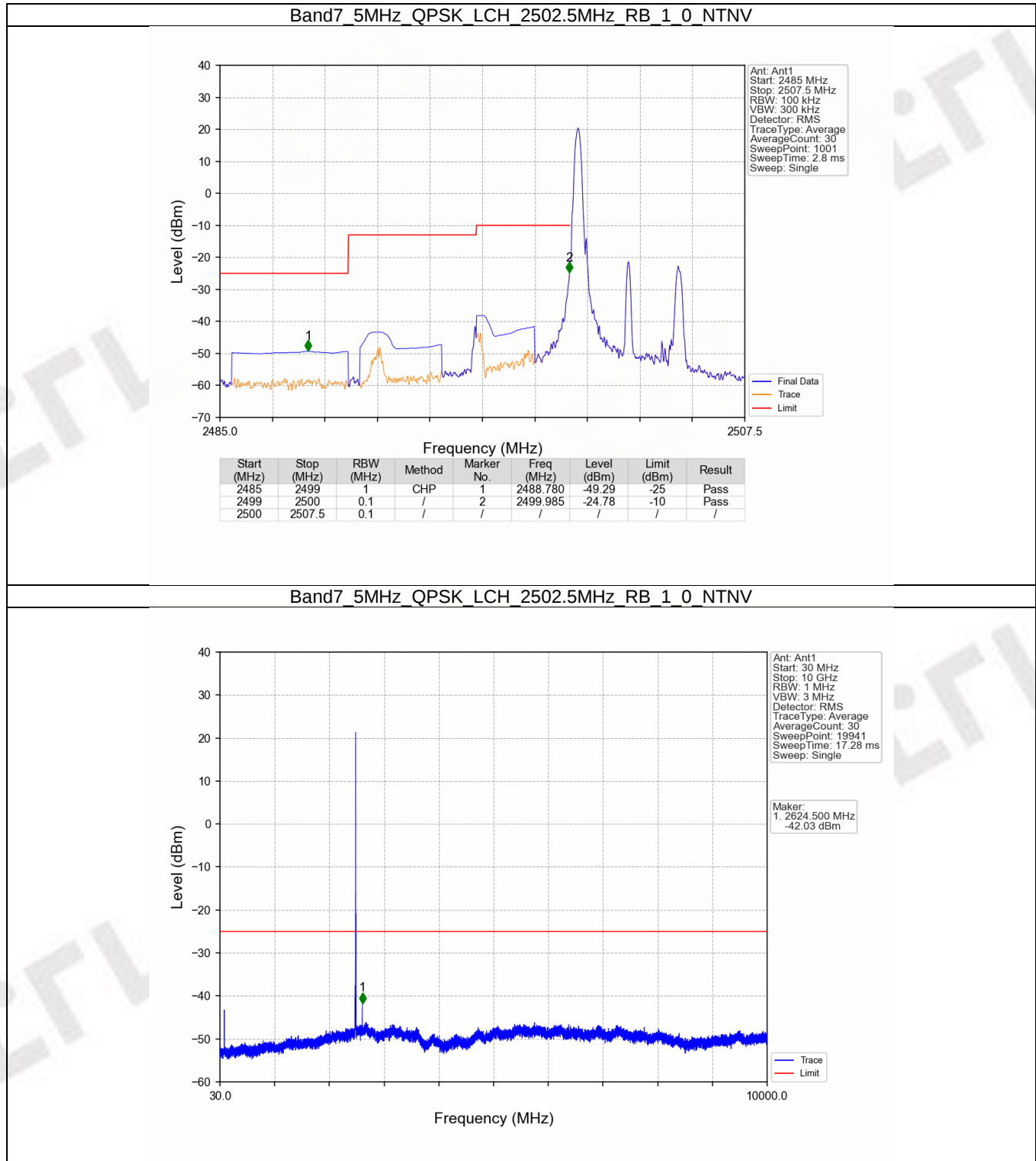
**6.1.4 B7\_20MHz**

| Band: 7 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 2510            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2560            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 2510            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2535            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 2560            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 99     | Refer To Test Graph |       | Pass    |
|                                   |                 | 100           | 0      | Refer To Test Graph |       | Pass    |

FCCID: 2BCUE-P8GLOBAL

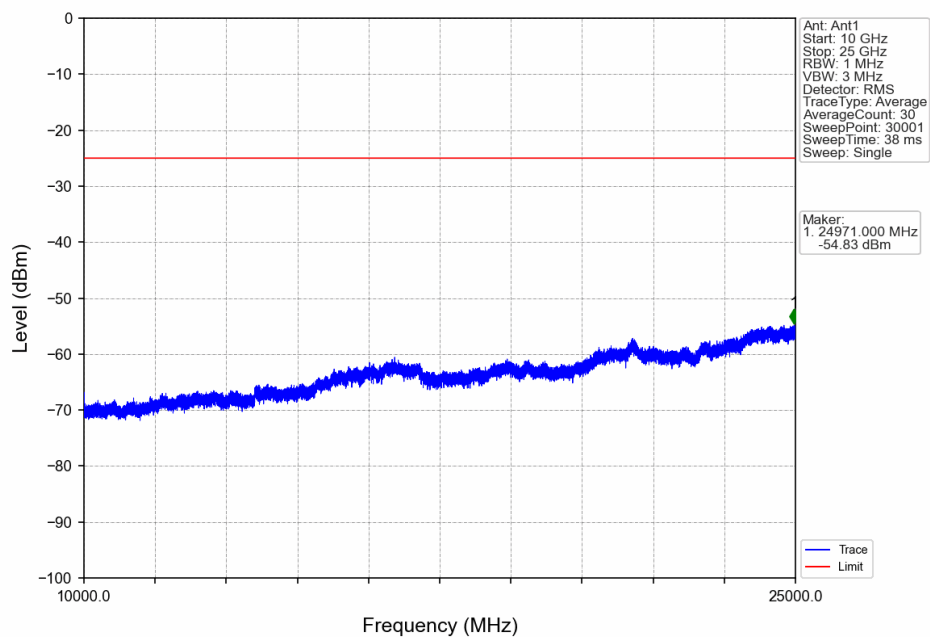
## 6.2 Test Graph

### 6.2.1 B7\_5MHz

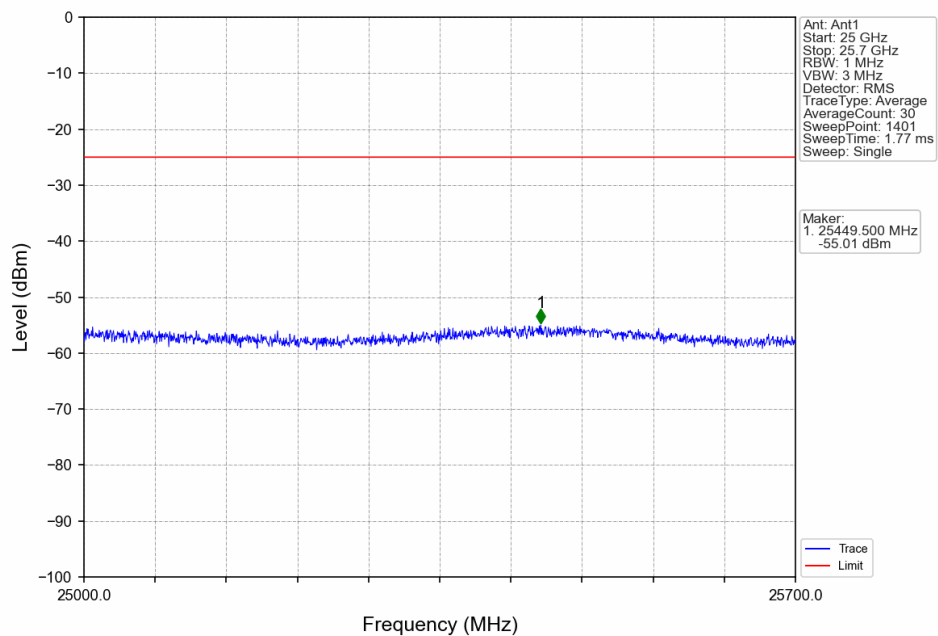


FCCID: 2BCUE-P8GLOBAL

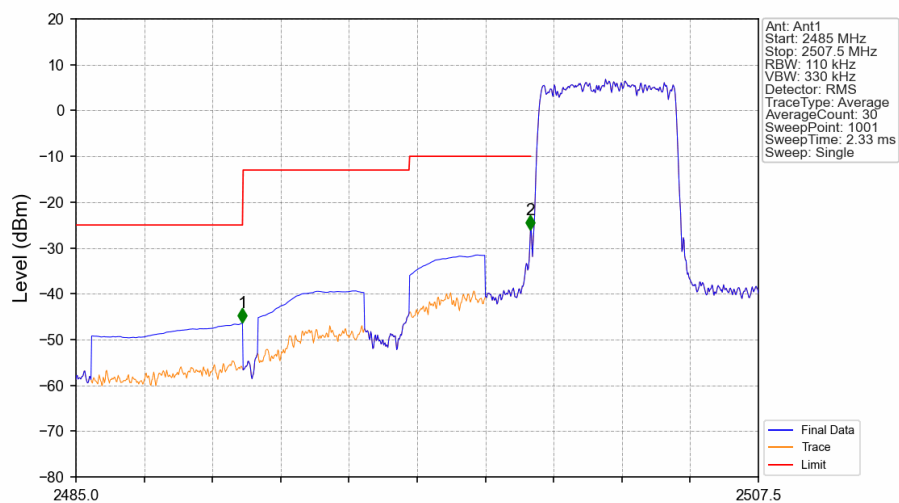
Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



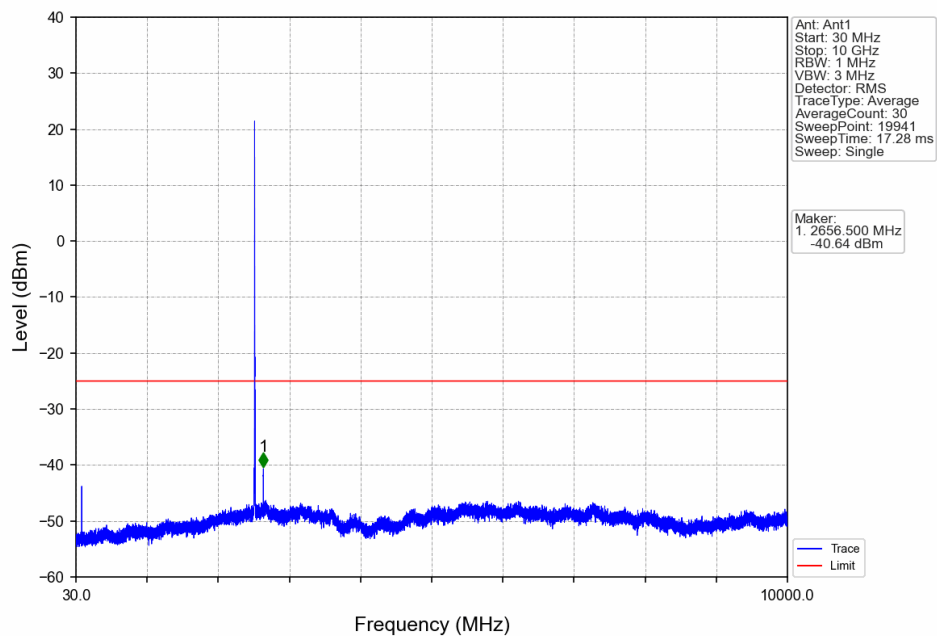
Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



## Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV

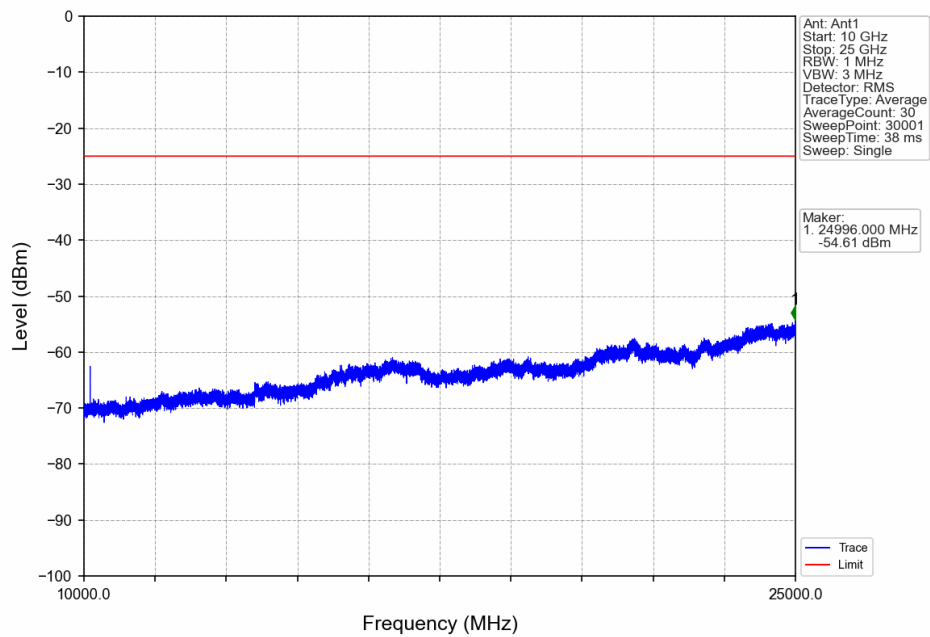


## Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV

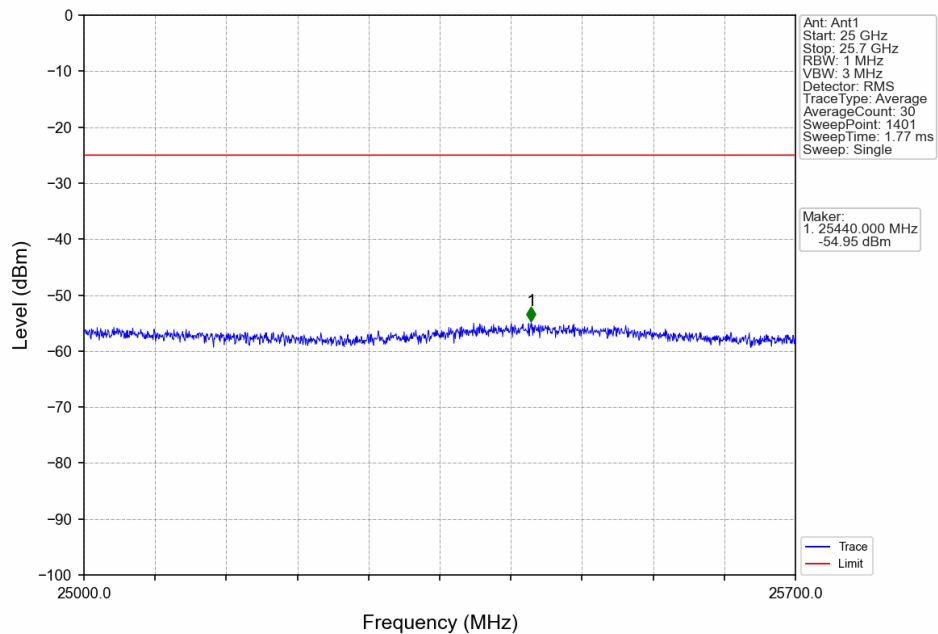


FCCID: 2BCUE-P8GLOBAL

Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV

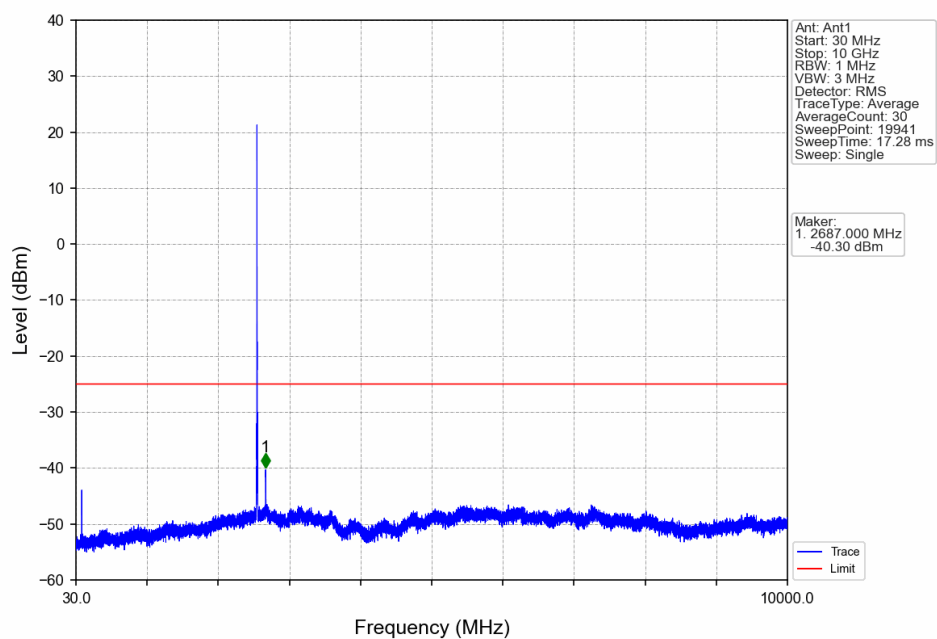


Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV

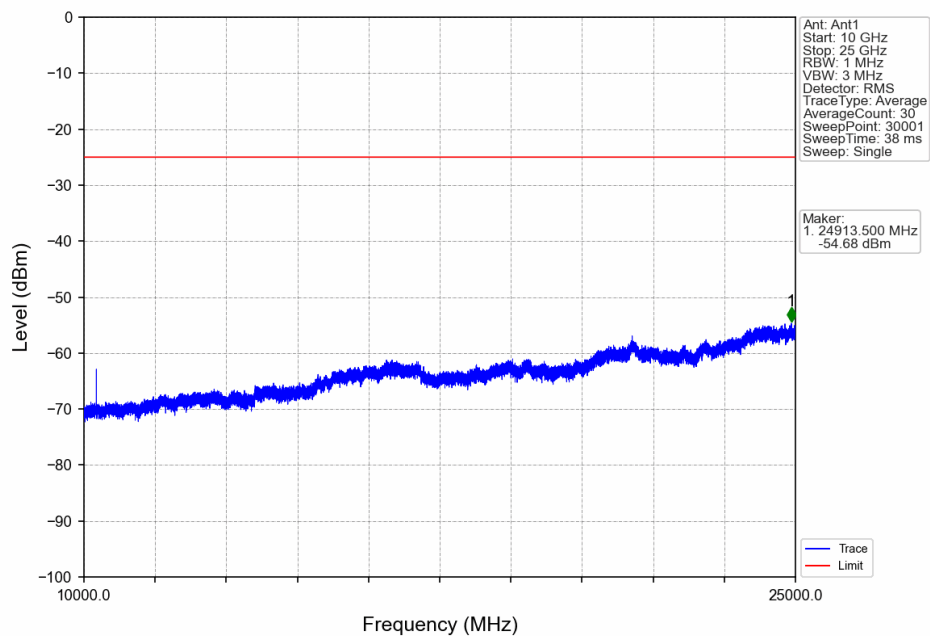


FCCID: 2BCUE-P8GLOBAL

Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV

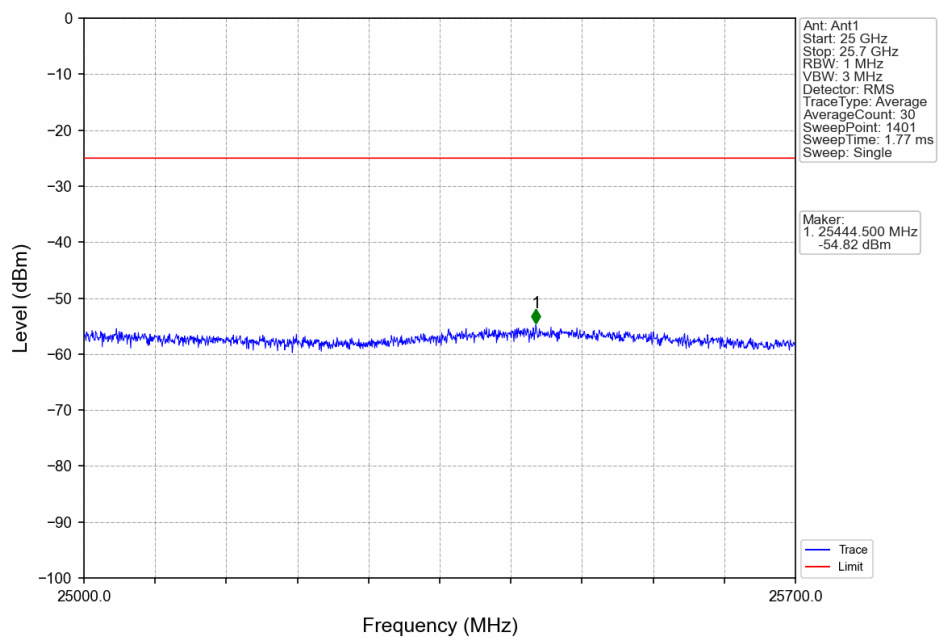


Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV

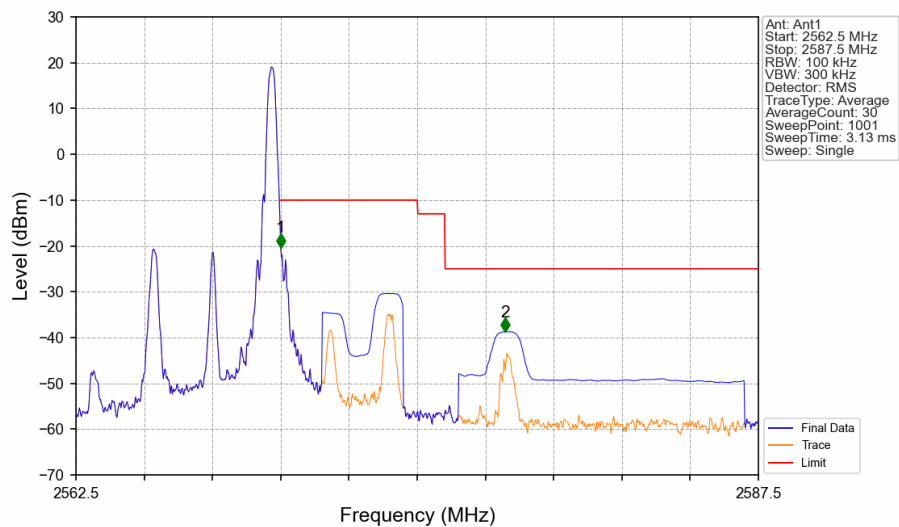


FCCID: 2BCUE-P8GLOBAL

Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_24\_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2562.5      | 2570       | 0.1       | /      | 1          | 2570.000   | -20.35      | -10         | Pass   |
| 2570        | 2571       | 0.1       | /      |            |            |             |             |        |
| 2571        | 2587.5     | 1         | CHP    | 2          | 2578.225   | -38.74      | -25         | Pass   |