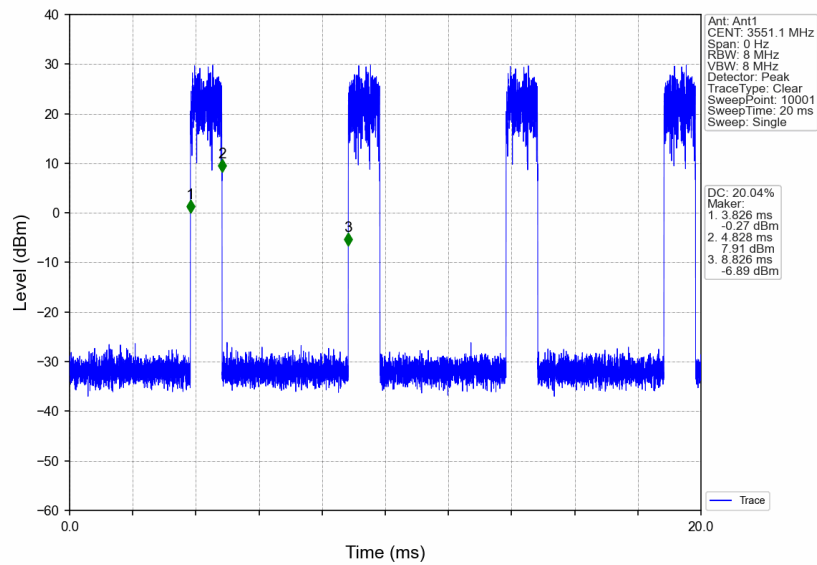
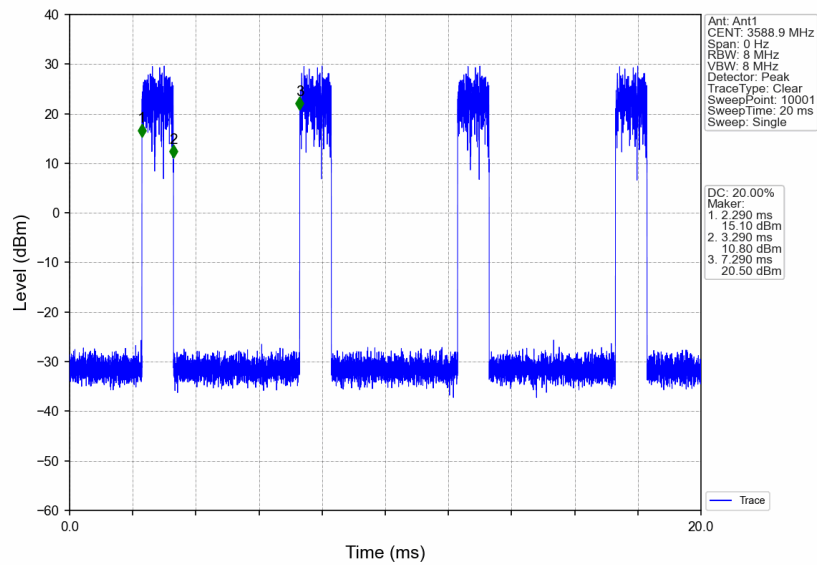


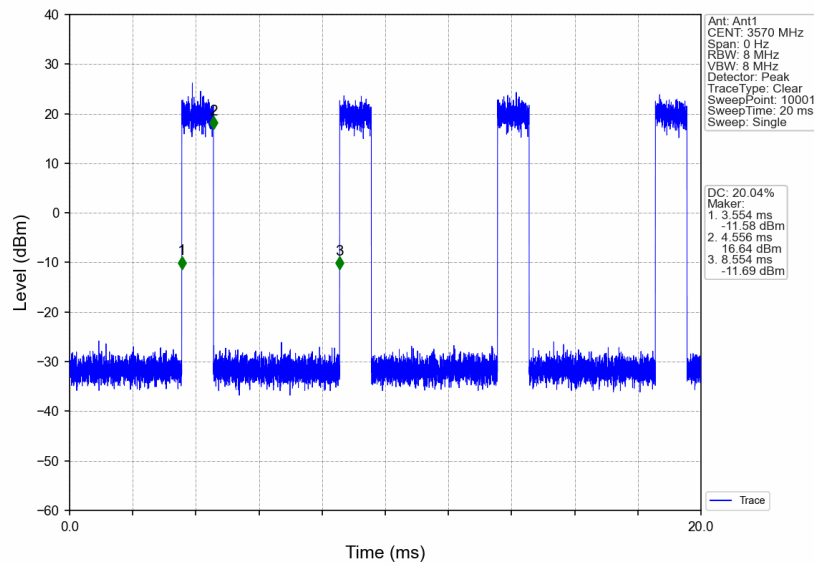
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM 3570MHz\_Edge\_1RB\_Left



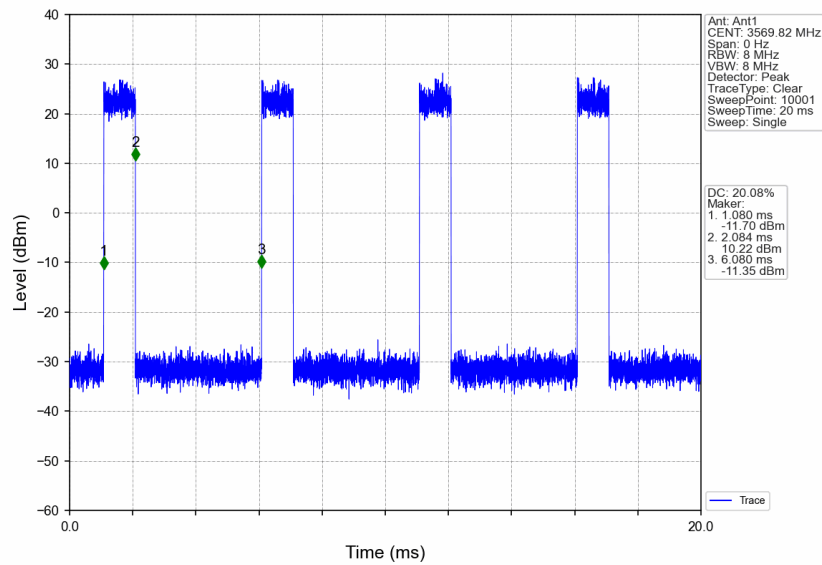
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM 3570MHz\_Edge\_1RB\_Right



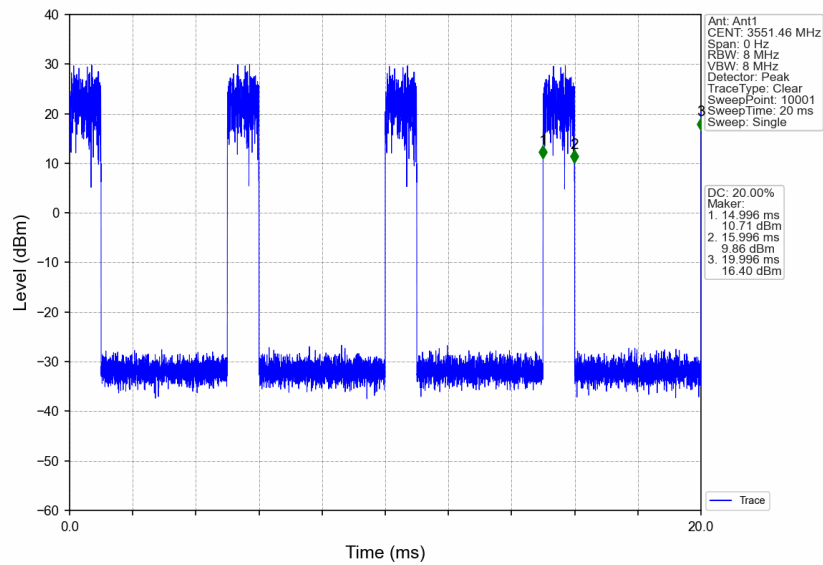
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Outer\_Full



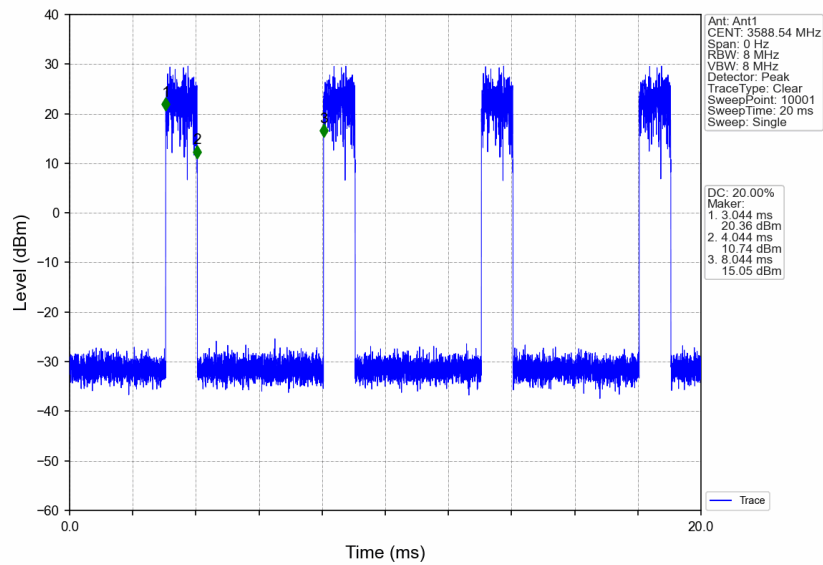
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Inner\_Full



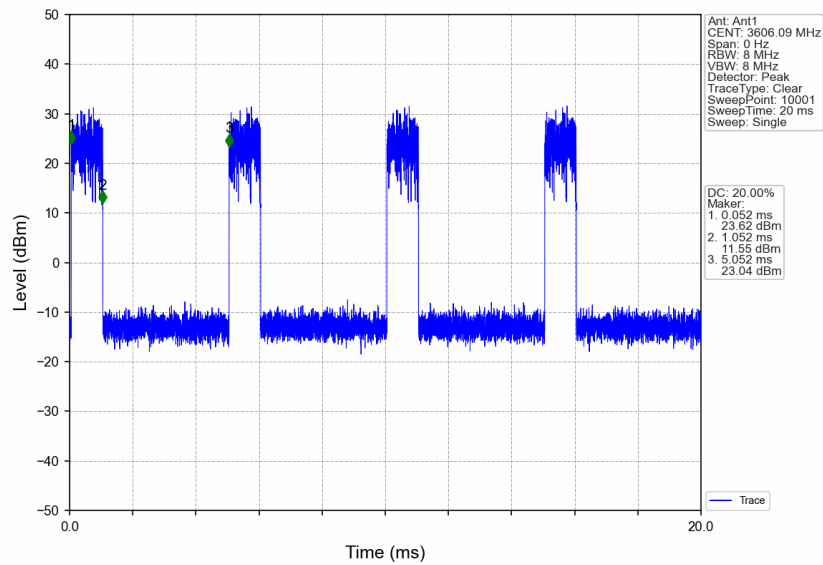
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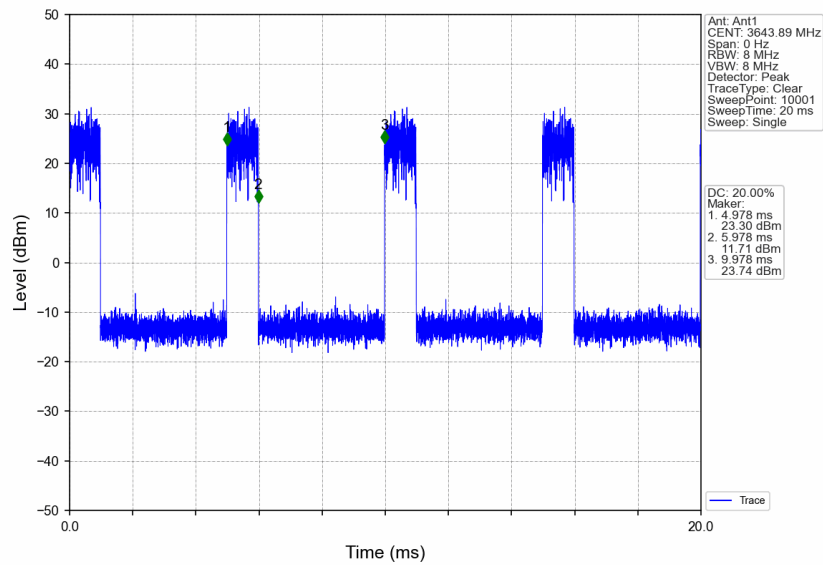
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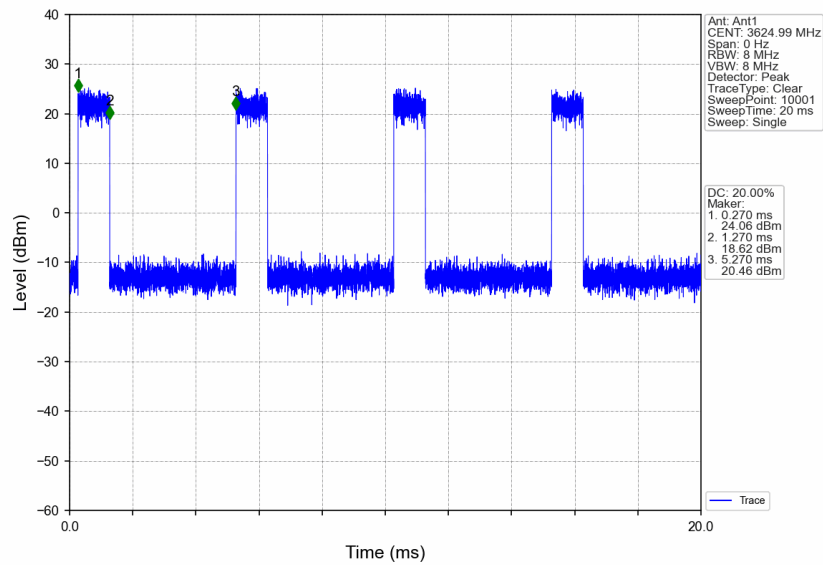
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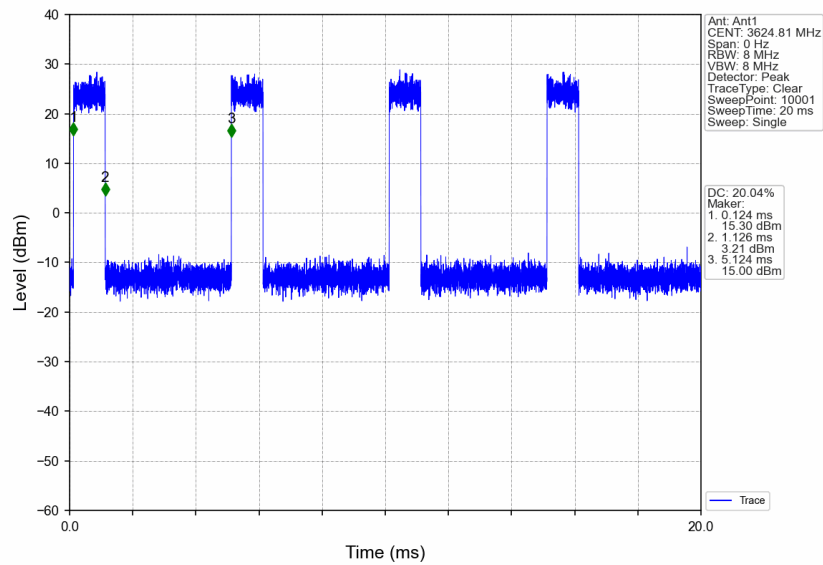
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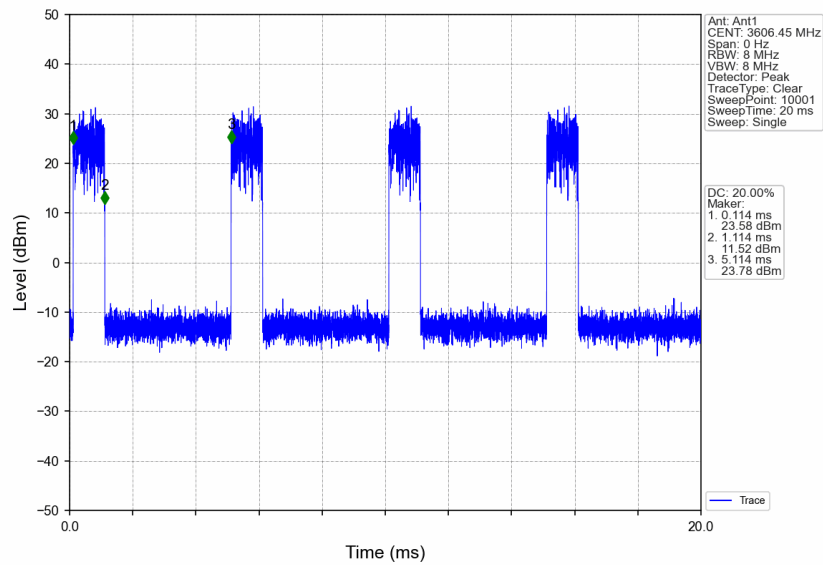
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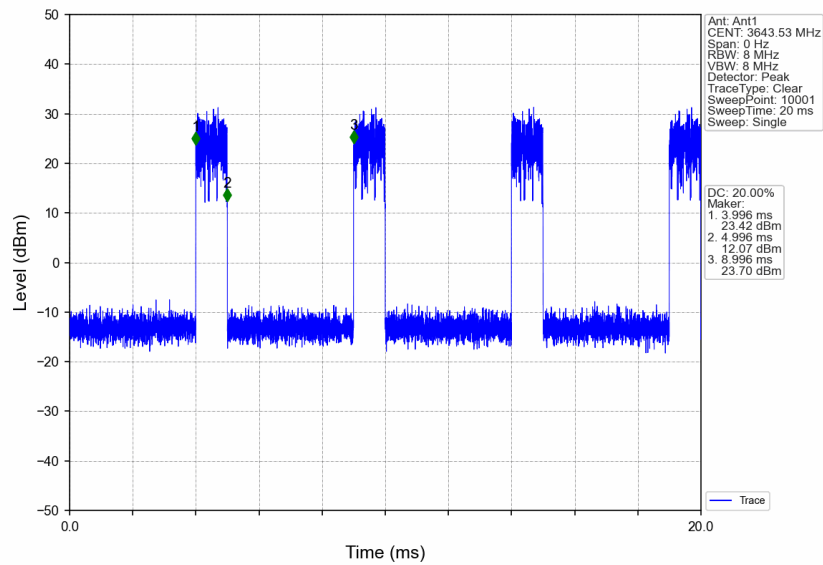
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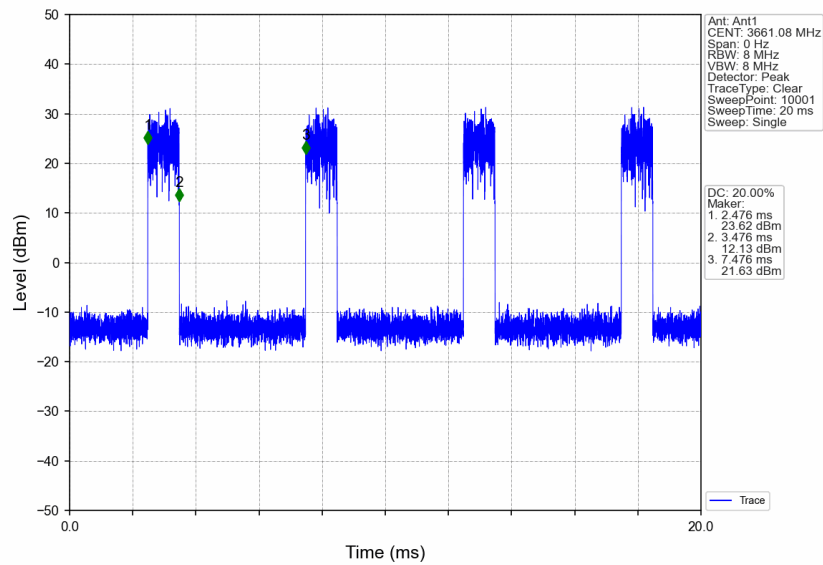
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM 3624.99MHz\_Inner\_1RB\_Left



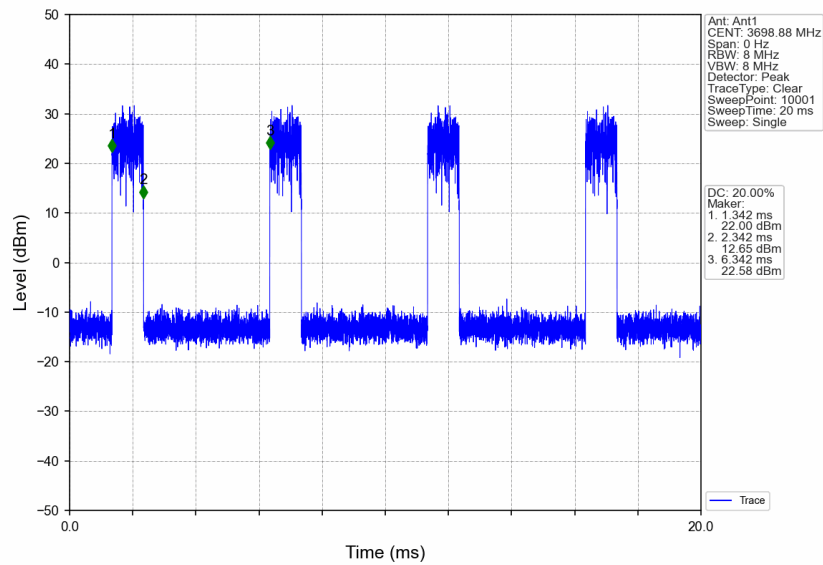
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM 3624.99MHz\_Inner\_1RB\_Right



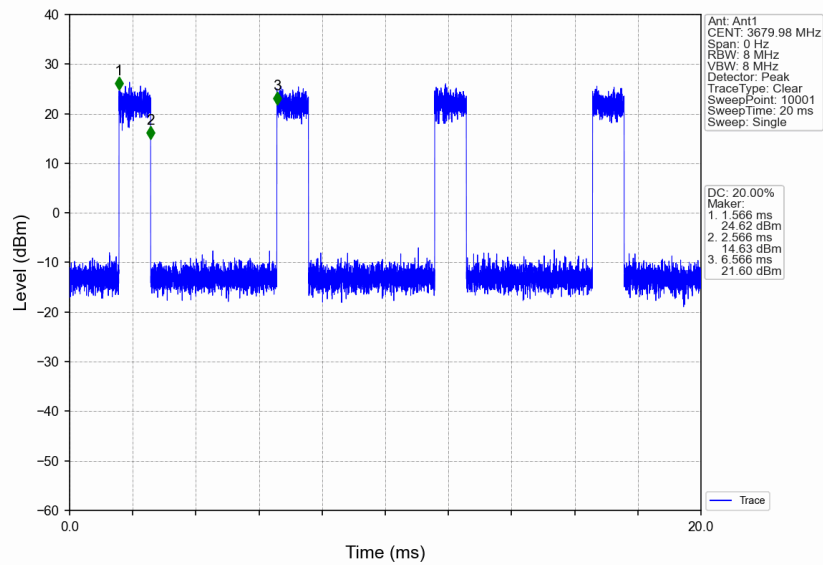
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM 3679.98MHz\_Edge\_1RB\_Left



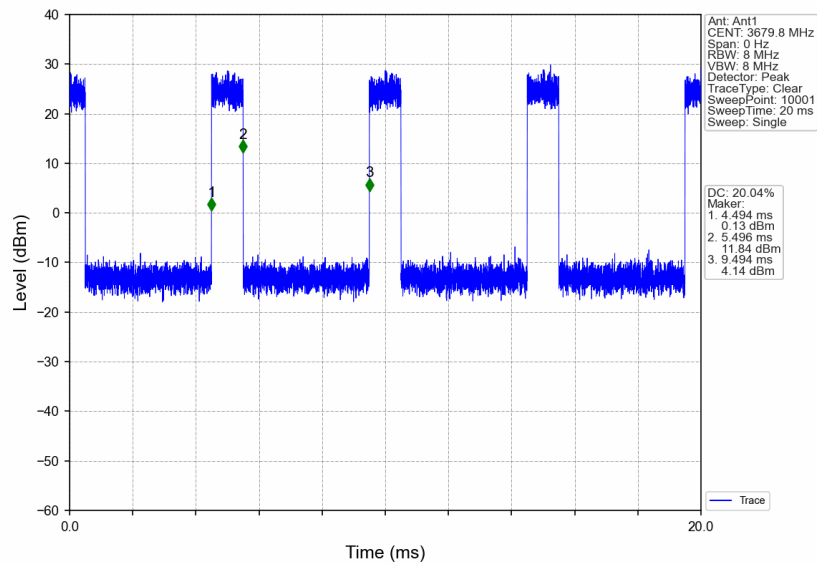
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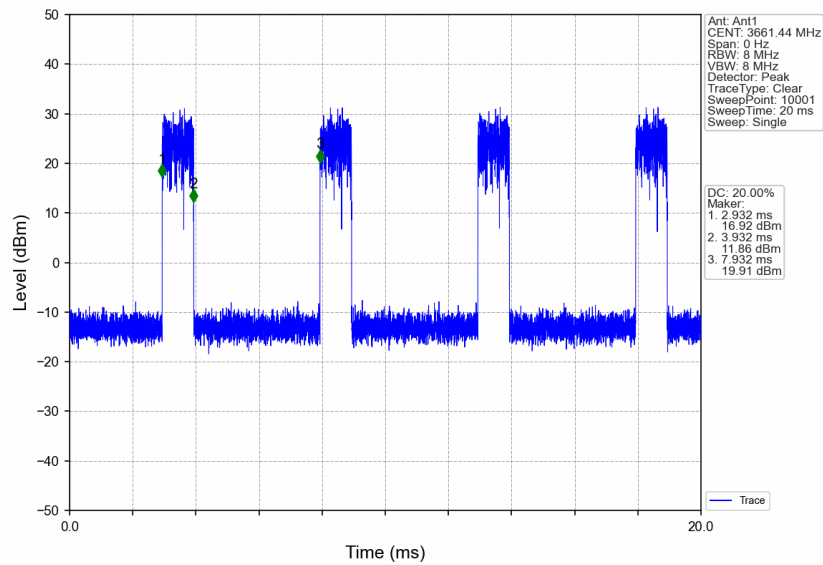
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3679.98MHz\_Outer\_Full



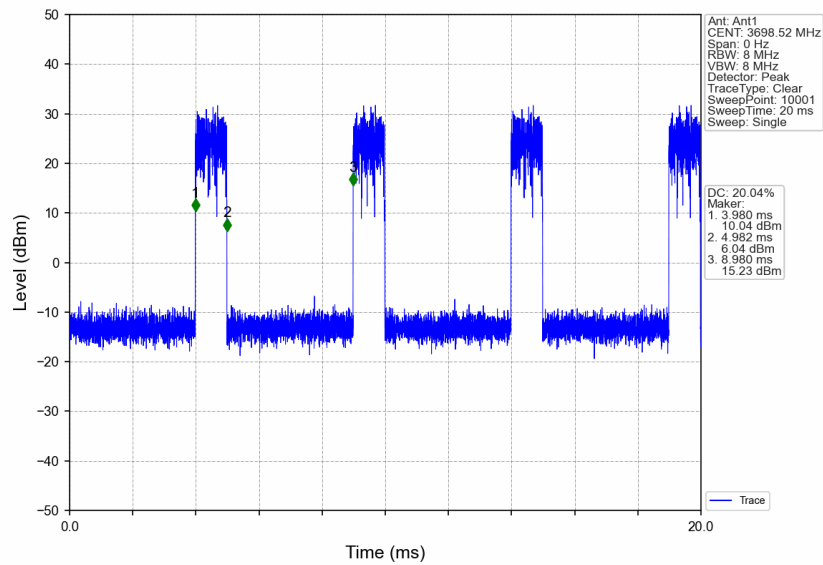
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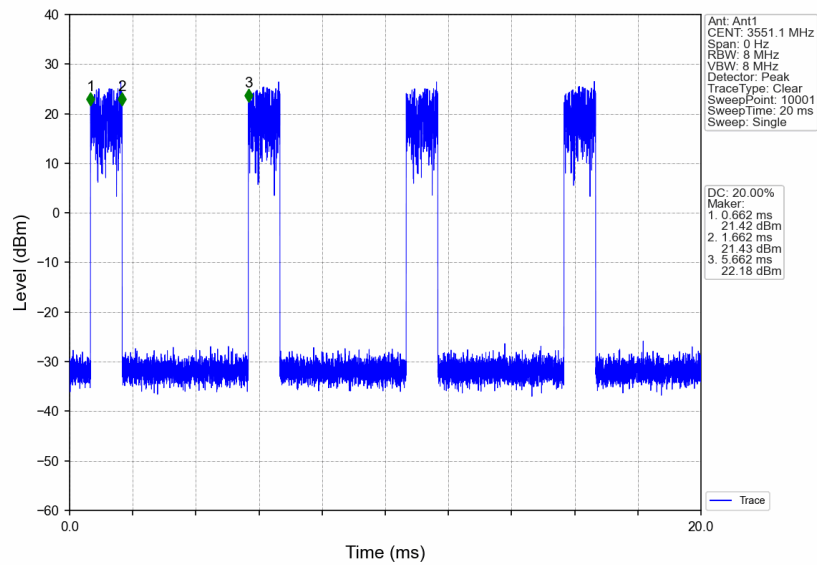
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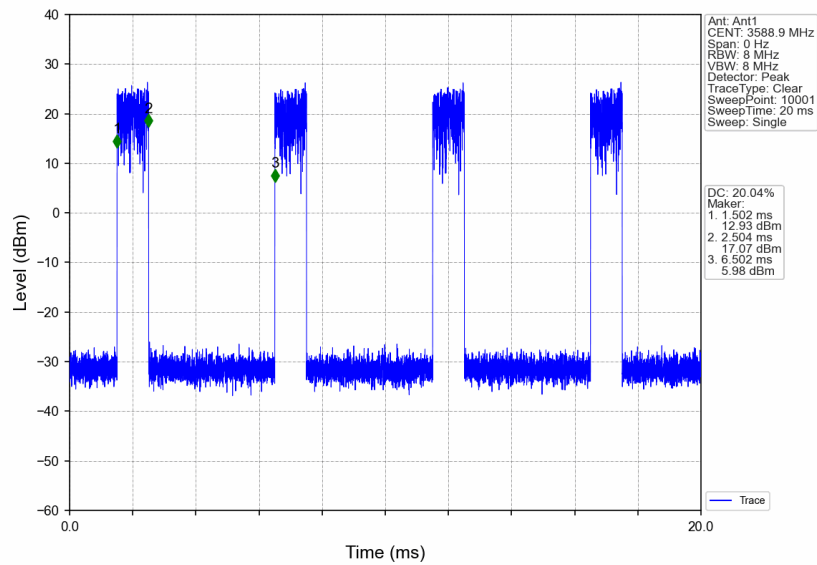
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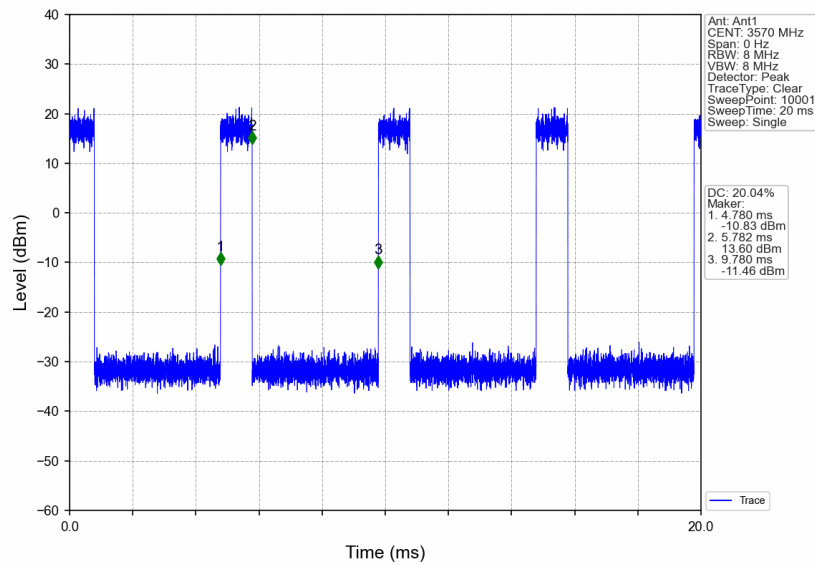
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_256\_QAM\_3570MHz\_Edge\_1RB\_Left



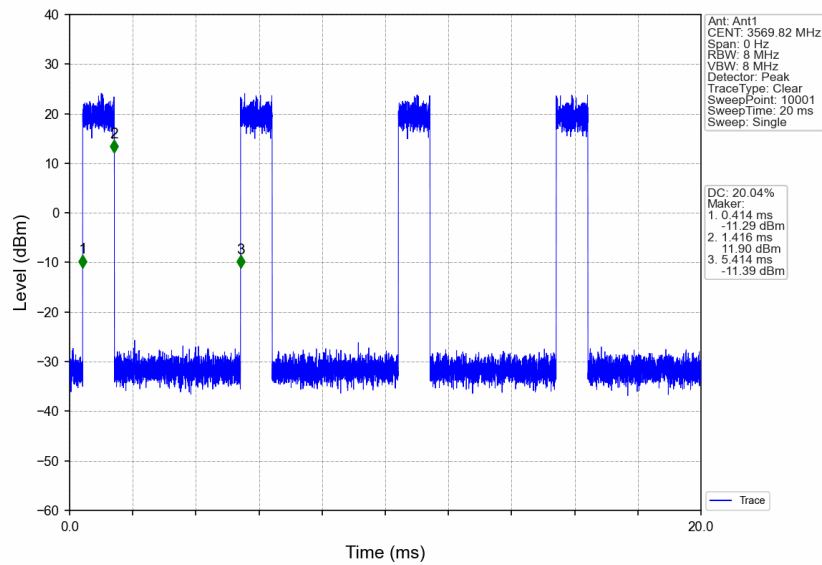
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_256\_QAM\_3570MHz\_Edge\_1RB\_Right



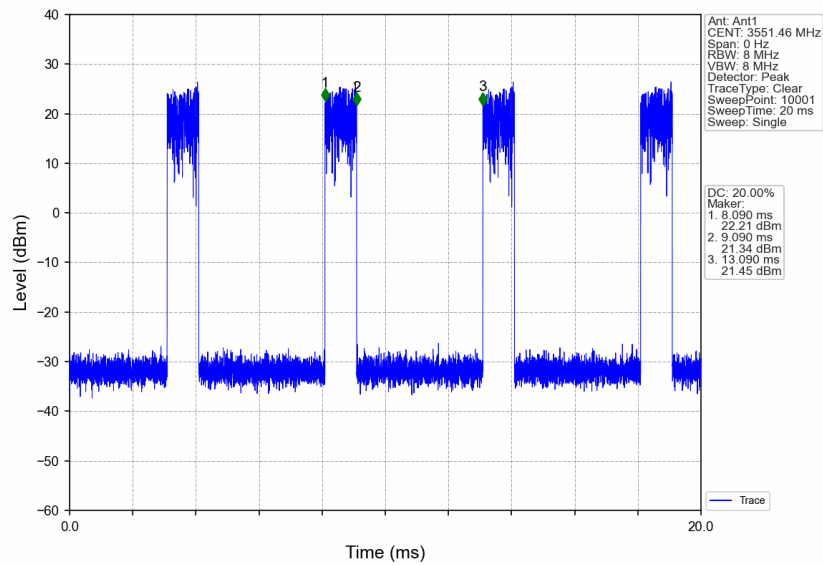
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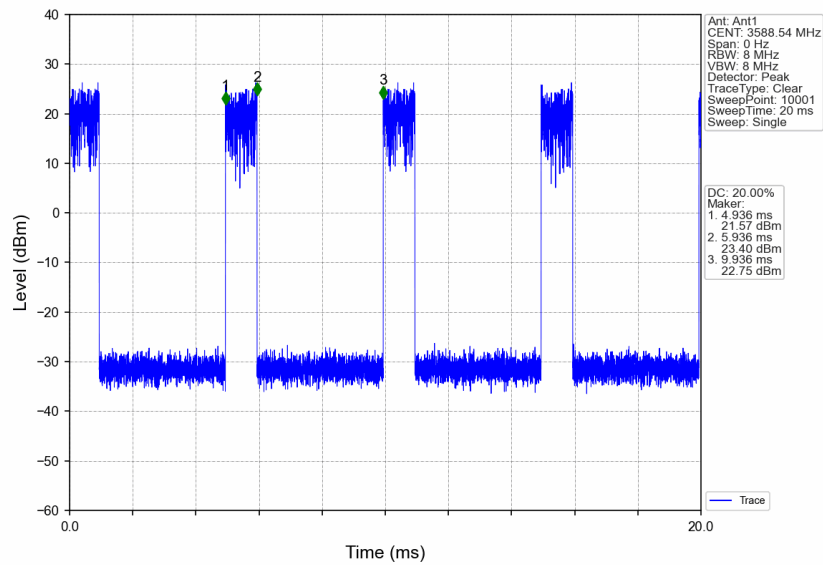
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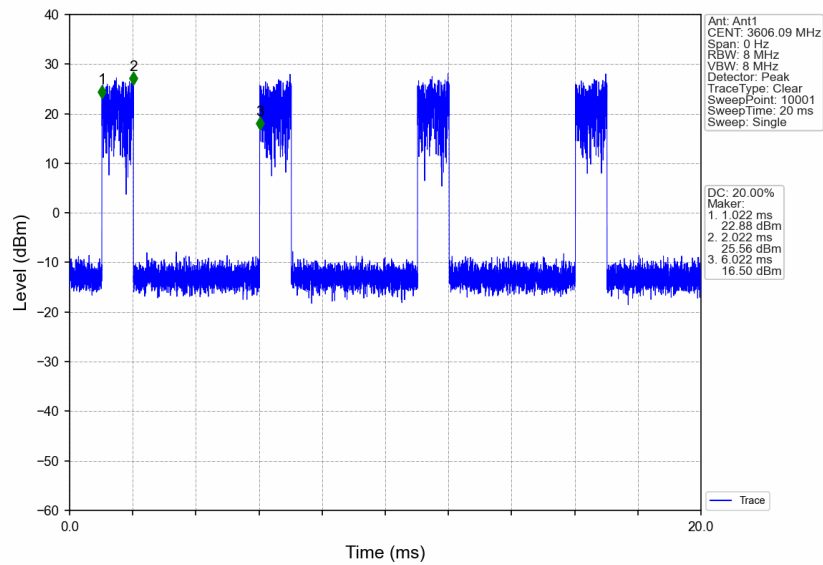
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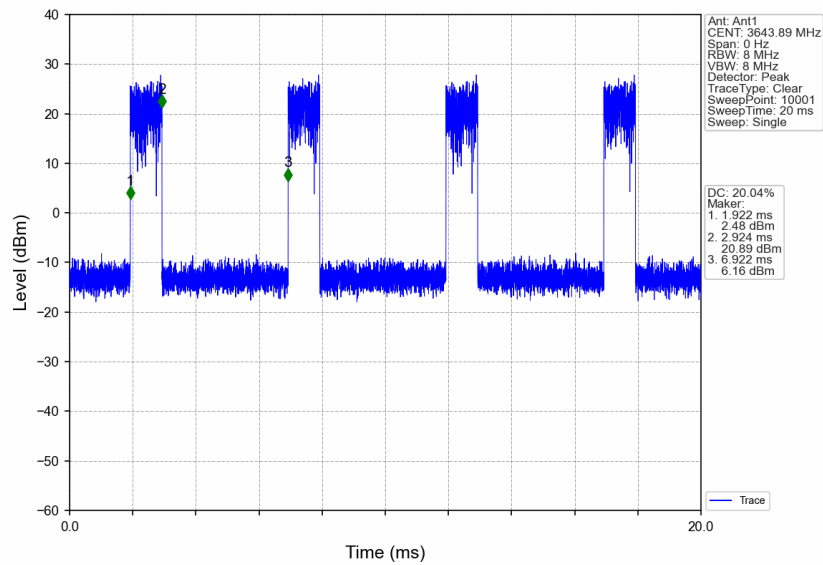
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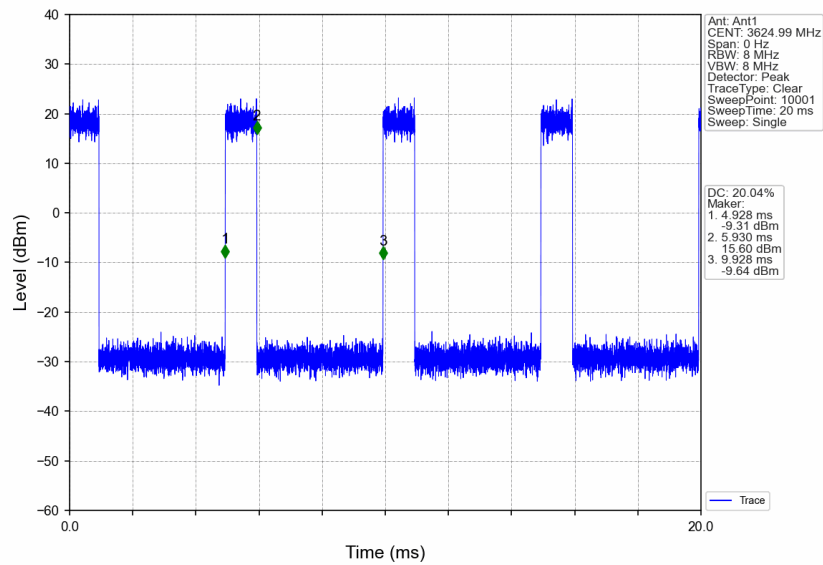
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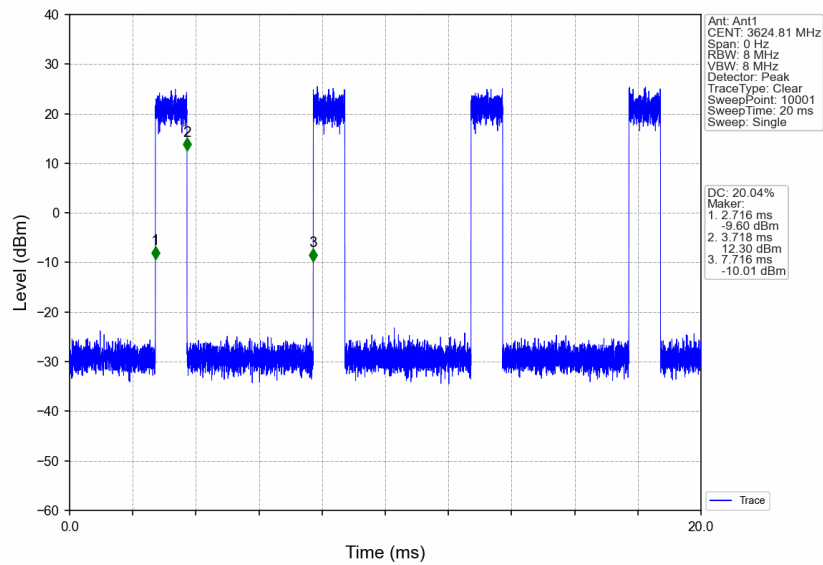
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Edge\_1RB\_Right



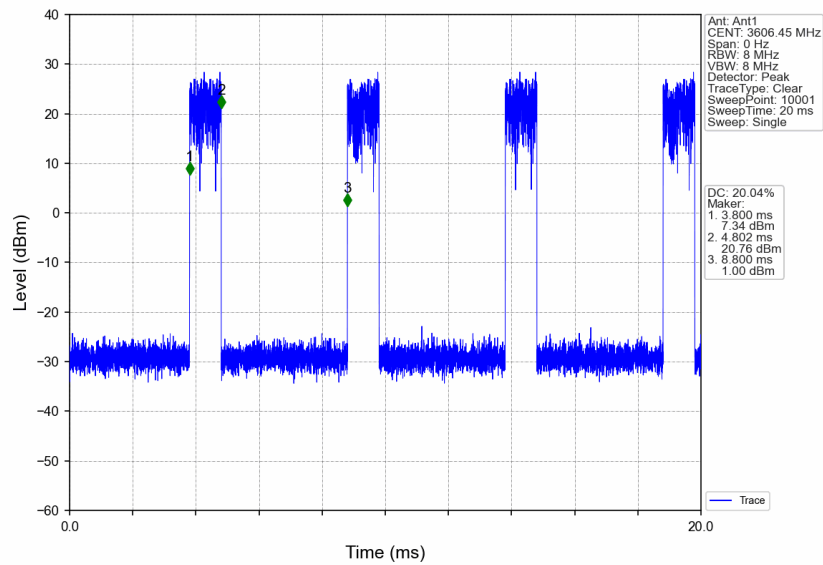
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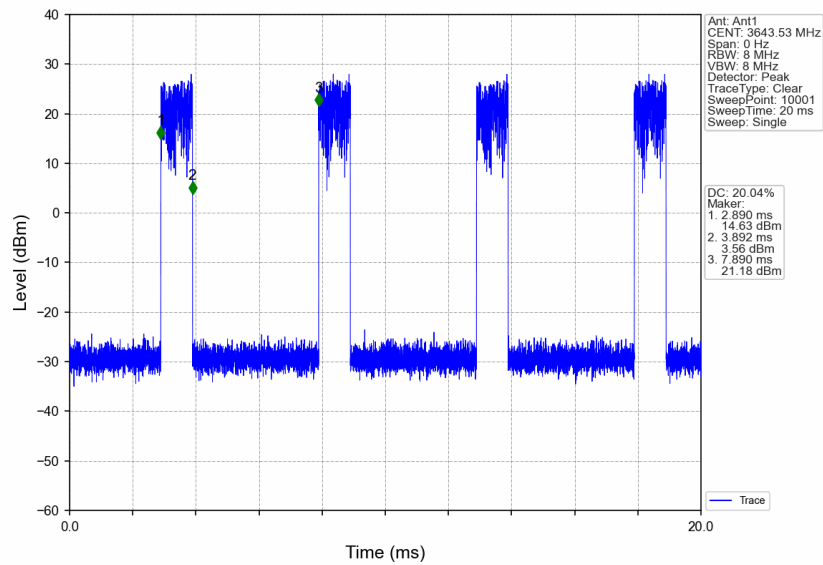
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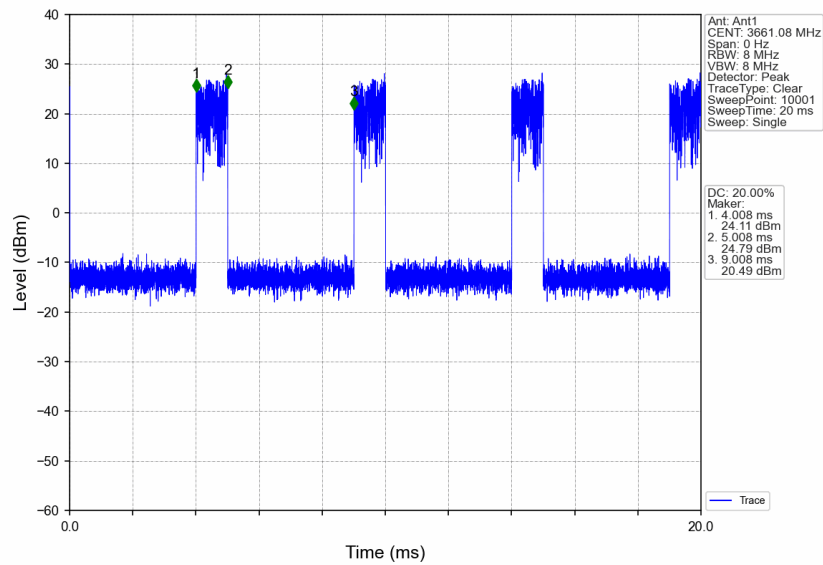
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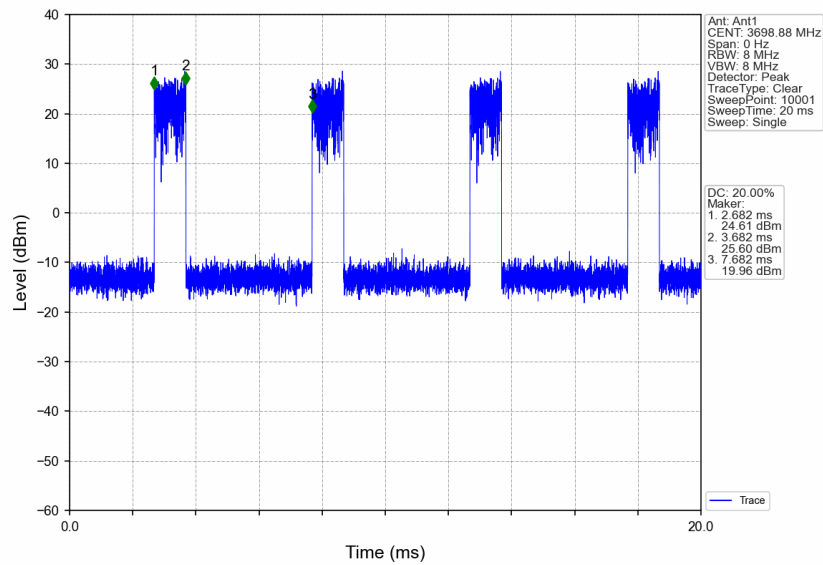
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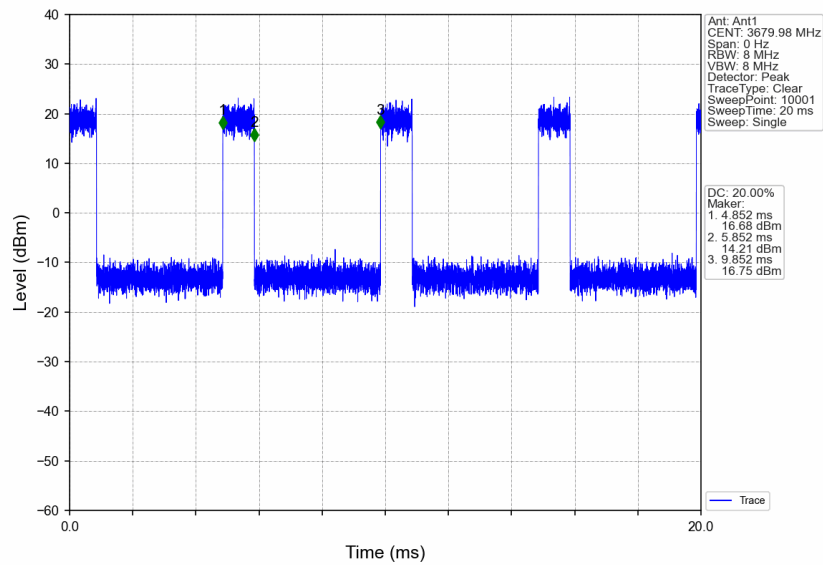
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_256\_QAM\_3679.98MHz\_Edge\_1RB\_Left



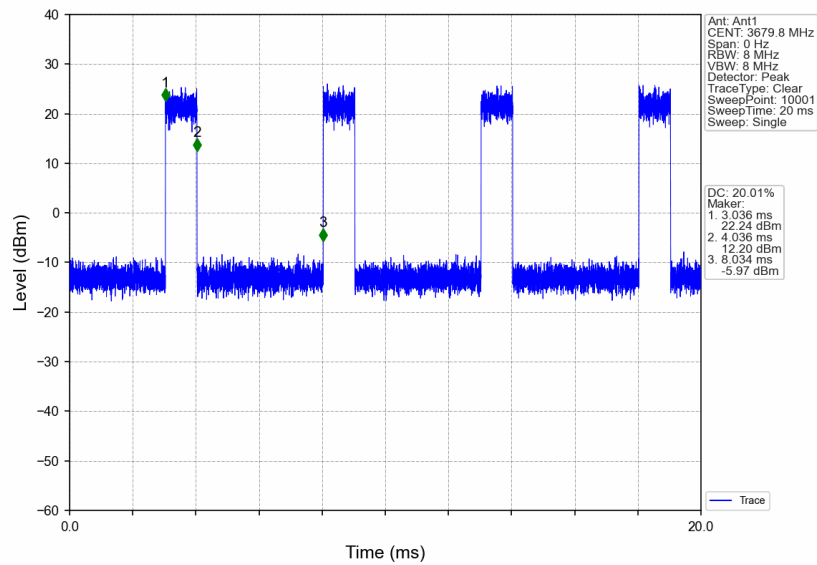
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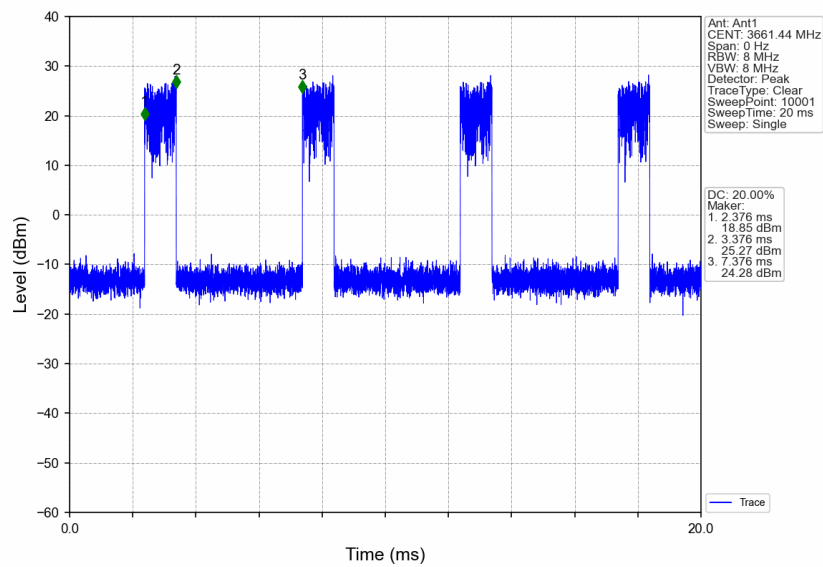
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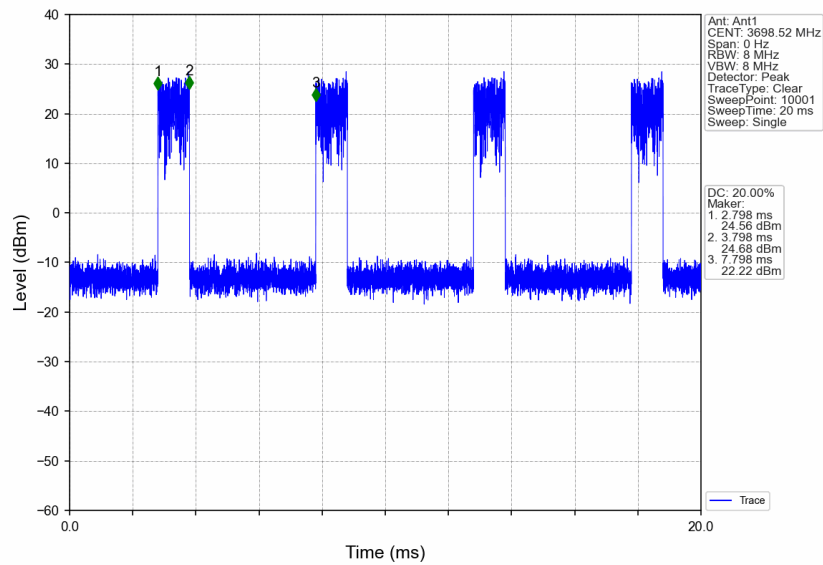
n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3679.98MHz\_Inner\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_256\_QAM\_3679.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_256\_QAM\_3679.98MHz\_Inner\_1RB\_Right



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

### 2.1 30k\_SISO\_20MHz\_NTNV\_EIRP

#### 2.1.1 Test Result

| 5G NR n48 SCS=30kHz SISO 20MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3560.01         | Edge_1RB_Left   | 21.54                | /    | /   | 22.83     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.44                | /    | /   | 22.73     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.42                | /    | /   | 22.71     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.08                | /    | /   | 22.37     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.36                | /    | /   | 22.65     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.30                | /    | /   | 22.59     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 20.97                | /    | /   | 22.26     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.28                | /    | /   | 22.57     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.01                | /    | /   | 22.30     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.31                | /    | /   | 22.60     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.24                | /    | /   | 22.53     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.55                | /    | /   | 22.84     | /    | /   | <=23  | Pass    |
|                                    | 3690            | Edge_1RB_Left   | 21.03                | /    | /   | 22.32     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.34                | /    | /   | 22.63     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.54                | /    | /   | 22.83     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.56                | /    | /   | 22.85     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.55                | /    | /   | 22.84     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.63                | /    | /   | 22.92     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM QPSK                    | 3560.01         | Edge_1RB_Left   | 21.19                | /    | /   | 22.48     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.51                | /    | /   | 22.80     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.03                | /    | /   | 22.32     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.08                | /    | /   | 22.37     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.99                | /    | /   | 22.28     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.15                | /    | /   | 22.44     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 21.56                | /    | /   | 22.85     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.32                | /    | /   | 22.61     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.01                | /    | /   | 22.30     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.08                | /    | /   | 22.37     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.38                | /    | /   | 22.67     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.48                | /    | /   | 22.77     | /    | /   | <=23  | Pass    |
|                                    | 3690            | Edge_1RB_Left   | 21.55                | /    | /   | 22.84     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.14                | /    | /   | 22.43     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 20.99                | /    | /   | 22.28     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.18                | /    | /   | 22.47     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.91                | /    | /   | 22.20     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.19                | /    | /   | 22.48     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM 16 QAM                  | 3560.01         | Edge_1RB_Left   | 21.17                | /    | /   | 22.46     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.15                | /    | /   | 22.44     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.46                | /    | /   | 22.75     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 20.89                | /    | /   | 22.18     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.29                | /    | /   | 22.58     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.17                | /    | /   | 22.46     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 21.48                | /    | /   | 22.77     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.36                | /    | /   | 22.65     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.10                | /    | /   | 22.39     | /    | /   | <=23  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Inner Full      | 20.81 | / | / | 22.10 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 20.91 | / | / | 22.20 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 20.81 | / | / | 22.10 | / | / | <=23 | Pass |
|                    | 3690    | Edge 1RB Left   | 21.07 | / | / | 22.36 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 21.39 | / | / | 22.68 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 21.23 | / | / | 22.52 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 20.82 | / | / | 22.11 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 20.82 | / | / | 22.11 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 20.85 | / | / | 22.14 | / | / | <=23 | Pass |
| DFT-s-OFDM 64 QAM  | 3560.01 | Edge 1RB Left   | 21.19 | / | / | 22.48 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 20.93 | / | / | 22.22 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 21.39 | / | / | 22.68 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 21.26 | / | / | 22.55 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 20.83 | / | / | 22.12 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 20.71 | / | / | 22.00 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge 1RB Left   | 20.81 | / | / | 22.10 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 21.21 | / | / | 22.50 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 21.19 | / | / | 22.48 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 21.13 | / | / | 22.42 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 20.83 | / | / | 22.12 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 20.75 | / | / | 22.04 | / | / | <=23 | Pass |
|                    | 3690    | Edge 1RB Left   | 20.98 | / | / | 22.27 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 20.80 | / | / | 22.09 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 20.90 | / | / | 22.19 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 20.91 | / | / | 22.20 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 20.73 | / | / | 22.02 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 21.43 | / | / | 22.72 | / | / | <=23 | Pass |
| DFT-s-OFDM 256 QAM | 3560.01 | Edge 1RB Left   | 19.80 | / | / | 21.09 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 20.11 | / | / | 21.40 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 20.30 | / | / | 21.59 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 19.73 | / | / | 21.02 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 19.76 | / | / | 21.05 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 20.17 | / | / | 21.46 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge 1RB Left   | 20.23 | / | / | 21.52 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 20.02 | / | / | 21.31 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 19.97 | / | / | 21.26 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 19.67 | / | / | 20.96 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 19.99 | / | / | 21.28 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 19.89 | / | / | 21.18 | / | / | <=23 | Pass |
|                    | 3690    | Edge 1RB Left   | 19.78 | / | / | 21.07 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 19.62 | / | / | 20.91 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 19.92 | / | / | 21.21 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 19.81 | / | / | 21.10 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 19.83 | / | / | 21.12 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 19.65 | / | / | 20.94 | / | / | <=23 | Pass |
| CP-OFDM QPSK       | 3560.01 | Edge 1RB Left   | 21.35 | / | / | 22.64 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 20.92 | / | / | 22.21 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 21.56 | / | / | 22.85 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 21.03 | / | / | 22.32 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 20.94 | / | / | 22.23 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 21.36 | / | / | 22.65 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge 1RB Left   | 21.26 | / | / | 22.55 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 21.54 | / | / | 22.83 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 21.56 | / | / | 22.85 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 21.20 | / | / | 22.49 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 21.37 | / | / | 22.66 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 21.36 | / | / | 22.65 | / | / | <=23 | Pass |
|                    | 3690    | Edge 1RB Left   | 20.97 | / | / | 22.26 | / | / | <=23 | Pass |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 |         | Edge_1RB_Right  | 21.59 | / | / | 22.88 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 21.42 | / | / | 22.71 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 21.61 | / | / | 22.90 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 21.07 | / | / | 22.36 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 21.63 | / | / | 22.92 | / | / | <=23 | Pass |
| CP-OFDM 16 QAM  | 3560.01 | Edge_1RB_Left   | 21.18 | / | / | 22.47 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 21.16 | / | / | 22.45 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 21.26 | / | / | 22.55 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 21.35 | / | / | 22.64 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 21.33 | / | / | 22.62 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 21.47 | / | / | 22.76 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge_1RB_Left   | 21.43 | / | / | 22.72 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 21.21 | / | / | 22.50 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 20.88 | / | / | 22.17 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 21.18 | / | / | 22.47 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 21.06 | / | / | 22.35 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 21.17 | / | / | 22.46 | / | / | <=23 | Pass |
|                 | 3690    | Edge_1RB_Left   | 21.33 | / | / | 22.62 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 21.34 | / | / | 22.63 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 21.38 | / | / | 22.67 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 21.49 | / | / | 22.78 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 20.90 | / | / | 22.19 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 21.34 | / | / | 22.63 | / | / | <=23 | Pass |
| CP-OFDM 64 QAM  | 3560.01 | Edge_1RB_Left   | 20.98 | / | / | 22.27 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 21.02 | / | / | 22.31 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 20.92 | / | / | 22.21 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 20.67 | / | / | 21.96 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 21.14 | / | / | 22.43 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 20.89 | / | / | 22.18 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge_1RB_Left   | 21.13 | / | / | 22.42 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 20.57 | / | / | 21.86 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 20.99 | / | / | 22.28 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 20.86 | / | / | 22.15 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 20.87 | / | / | 22.16 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 20.59 | / | / | 21.88 | / | / | <=23 | Pass |
|                 | 3690    | Edge_1RB_Left   | 21.19 | / | / | 22.48 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 20.95 | / | / | 22.24 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 21.04 | / | / | 22.33 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 21.11 | / | / | 22.40 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 21.20 | / | / | 22.49 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 20.79 | / | / | 22.08 | / | / | <=23 | Pass |
| CP-OFDM 256 QAM | 3560.01 | Edge_1RB_Left   | 18.02 | / | / | 19.31 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 18.08 | / | / | 19.37 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 17.81 | / | / | 19.10 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 18.43 | / | / | 19.72 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 18.41 | / | / | 19.70 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 18.24 | / | / | 19.53 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge_1RB_Left   | 17.84 | / | / | 19.13 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 18.37 | / | / | 19.66 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 18.15 | / | / | 19.44 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 17.79 | / | / | 19.08 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 17.94 | / | / | 19.23 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 18.20 | / | / | 19.49 | / | / | <=23 | Pass |
|                 | 3690    | Edge_1RB_Left   | 17.93 | / | / | 19.22 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 18.25 | / | / | 19.54 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 18.33 | / | / | 19.62 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 18.25 | / | / | 19.54 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 17.95 | / | / | 19.24 | / | / | <=23 | Pass |

|                                                                                 |  |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |  | Inner 1RB_Right | 18.02 | / | / | 19.31 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 1.29dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |   |   |       |   |   |      |      |

## 2.2 30k\_SISO\_20MHz\_NTNV\_EIRP/10MHz

### 2.2.1 Test Result

| 5G NR n48 SCS=30kHz SISO 20MHz NTN |                 |                 |                            |      |     |                 |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------------|------|-----|-----------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm/10MHz) |      |     | EIRP(dBm/10MHz) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                       | Ant2 | Sum | Ant1            | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3560.01         | Edge 1RB Left   | 20.98                      | /    | /   | 22.27           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge 1RB Right  | 21.43                      | /    | /   | 22.72           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer Full      | 18.49                      | /    | /   | 19.78           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner Full      | 21.19                      | /    | /   | 22.48           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Left  | 21.58                      | /    | /   | 22.87           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Right | 21.27                      | /    | /   | 22.56           | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge 1RB Left   | 20.96                      | /    | /   | 22.25           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge 1RB Right  | 21.48                      | /    | /   | 22.77           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer Full      | 18.01                      | /    | /   | 19.30           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner Full      | 21.24                      | /    | /   | 22.53           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Left  | 21.18                      | /    | /   | 22.47           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Right | 21.47                      | /    | /   | 22.76           | /    | /   | <=23  | Pass    |
|                                    | 3690            | Edge 1RB Left   | 21.31                      | /    | /   | 22.60           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge 1RB Right  | 21.06                      | /    | /   | 22.35           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer Full      | 18.75                      | /    | /   | 20.04           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner Full      | 21.52                      | /    | /   | 22.81           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Left  | 21.39                      | /    | /   | 22.68           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Right | 21.56                      | /    | /   | 22.85           | /    | /   | <=23  | Pass    |
| DFT-s-OFDM QPSK                    | 3560.01         | Edge 1RB Left   | 21.23                      | /    | /   | 22.52           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge 1RB Right  | 20.97                      | /    | /   | 22.26           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer Full      | 17.88                      | /    | /   | 19.17           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner Full      | 21.53                      | /    | /   | 22.82           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Left  | 21.50                      | /    | /   | 22.79           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Right | 20.96                      | /    | /   | 22.25           | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge 1RB Left   | 21.12                      | /    | /   | 22.41           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge 1RB Right  | 21.55                      | /    | /   | 22.84           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer Full      | 18.48                      | /    | /   | 19.77           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner Full      | 21.16                      | /    | /   | 22.45           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Left  | 20.91                      | /    | /   | 22.20           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Right | 20.99                      | /    | /   | 22.28           | /    | /   | <=23  | Pass    |
|                                    | 3690            | Edge 1RB Left   | 21.27                      | /    | /   | 22.56           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge 1RB Right  | 21.49                      | /    | /   | 22.78           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer Full      | 18.55                      | /    | /   | 19.84           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner Full      | 21.15                      | /    | /   | 22.44           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Left  | 21.30                      | /    | /   | 22.59           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Right | 20.91                      | /    | /   | 22.20           | /    | /   | <=23  | Pass    |
| DFT-s-OFDM 16 QAM                  | 3560.01         | Edge 1RB Left   | 21.29                      | /    | /   | 22.58           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge 1RB Right  | 21.28                      | /    | /   | 22.57           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer Full      | 17.70                      | /    | /   | 18.99           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner Full      | 21.09                      | /    | /   | 22.38           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Left  | 20.83                      | /    | /   | 22.12           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner 1RB Right | 21.52                      | /    | /   | 22.81           | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge 1RB Left   | 21.35                      | /    | /   | 22.64           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge 1RB Right  | 20.89                      | /    | /   | 22.18           | /    | /   | <=23  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Outer_Full      | 17.74 | / | / | 19.03 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 21.20 | / | / | 22.49 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.89 | / | / | 22.18 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 21.53 | / | / | 22.82 | / | / | <=23 | Pass |
|                    | 3690    | Edge_1RB_Left   | 21.23 | / | / | 22.52 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 20.98 | / | / | 22.27 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 17.98 | / | / | 19.27 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 20.83 | / | / | 22.12 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 21.27 | / | / | 22.56 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 21.20 | / | / | 22.49 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 21.27 | / | / | 22.56 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 20.77 | / | / | 22.06 | / | / | <=23 | Pass |
| DFT-s-OFDM 64 QAM  | 3560.01 | Outer_Full      | 18.14 | / | / | 19.43 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 21.16 | / | / | 22.45 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.86 | / | / | 22.15 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 20.77 | / | / | 22.06 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 20.91 | / | / | 22.20 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 21.06 | / | / | 22.35 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 17.78 | / | / | 19.07 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 21.09 | / | / | 22.38 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 21.42 | / | / | 22.71 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 20.99 | / | / | 22.28 | / | / | <=23 | Pass |
|                    | 3690    | Edge_1RB_Left   | 20.99 | / | / | 22.28 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 20.87 | / | / | 22.16 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 18.41 | / | / | 19.70 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 21.17 | / | / | 22.46 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.73 | / | / | 22.02 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 21.35 | / | / | 22.64 | / | / | <=23 | Pass |
| DFT-s-OFDM 256 QAM | 3560.01 | Edge_1RB_Left   | 20.22 | / | / | 21.51 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 19.66 | / | / | 20.95 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 17.24 | / | / | 18.53 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 19.84 | / | / | 21.13 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 19.97 | / | / | 21.26 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 20.03 | / | / | 21.32 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 19.79 | / | / | 21.08 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 20.07 | / | / | 21.36 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 17.30 | / | / | 18.59 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 20.22 | / | / | 21.51 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.31 | / | / | 21.60 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 20.30 | / | / | 21.59 | / | / | <=23 | Pass |
|                    | 3690    | Edge_1RB_Left   | 19.68 | / | / | 20.97 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 20.17 | / | / | 21.46 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 16.64 | / | / | 17.93 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 20.21 | / | / | 21.50 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.23 | / | / | 21.52 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 20.13 | / | / | 21.42 | / | / | <=23 | Pass |
| CP-OFDM QPSK       | 3560.01 | Edge_1RB_Left   | 21.41 | / | / | 22.70 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 21.65 | / | / | 22.94 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 18.00 | / | / | 19.29 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 21.39 | / | / | 22.68 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 21.53 | / | / | 22.82 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 21.51 | / | / | 22.80 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 21.37 | / | / | 22.66 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 20.97 | / | / | 22.26 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 18.55 | / | / | 19.84 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 21.10 | / | / | 22.39 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 21.28 | / | / | 22.57 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 21.15 | / | / | 22.44 | / | / | <=23 | Pass |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 | 3690    | Edge 1RB Left   | 21.13 | / | / | 22.42 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.19 | / | / | 22.48 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 18.37 | / | / | 19.66 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 21.50 | / | / | 22.79 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 20.94 | / | / | 22.23 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.23 | / | / | 22.52 | / | / | <=23 | Pass |
| CP-OFDM 16 QAM  | 3560.01 | Edge 1RB Left   | 21.48 | / | / | 22.77 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.33 | / | / | 22.62 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 18.32 | / | / | 19.61 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 20.93 | / | / | 22.22 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.37 | / | / | 22.66 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.32 | / | / | 22.61 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge 1RB Left   | 21.38 | / | / | 22.67 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.27 | / | / | 22.56 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 18.43 | / | / | 19.72 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 20.83 | / | / | 22.12 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.44 | / | / | 22.73 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.09 | / | / | 22.38 | / | / | <=23 | Pass |
|                 | 3690    | Edge 1RB Left   | 21.36 | / | / | 22.65 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.38 | / | / | 22.67 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 18.48 | / | / | 19.77 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 21.40 | / | / | 22.69 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.33 | / | / | 22.62 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 20.88 | / | / | 22.17 | / | / | <=23 | Pass |
| CP-OFDM 64 QAM  | 3560.01 | Edge 1RB Left   | 20.57 | / | / | 21.86 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.24 | / | / | 22.53 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 17.73 | / | / | 19.02 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 20.77 | / | / | 22.06 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.09 | / | / | 22.38 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 20.66 | / | / | 21.95 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge 1RB Left   | 21.24 | / | / | 22.53 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 20.59 | / | / | 21.88 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 17.87 | / | / | 19.16 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 20.82 | / | / | 22.11 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.19 | / | / | 22.48 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.15 | / | / | 22.44 | / | / | <=23 | Pass |
|                 | 3690    | Edge 1RB Left   | 21.11 | / | / | 22.40 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 20.59 | / | / | 21.88 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 17.63 | / | / | 18.92 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 21.16 | / | / | 22.45 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 20.84 | / | / | 22.13 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.20 | / | / | 22.49 | / | / | <=23 | Pass |
| CP-OFDM 256 QAM | 3560.01 | Edge 1RB Left   | 17.71 | / | / | 19.00 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 17.99 | / | / | 19.28 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 14.83 | / | / | 16.12 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 17.82 | / | / | 19.11 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 18.26 | / | / | 19.55 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 17.95 | / | / | 19.24 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge 1RB Left   | 17.90 | / | / | 19.19 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 18.01 | / | / | 19.30 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 15.26 | / | / | 16.55 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 18.43 | / | / | 19.72 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 18.27 | / | / | 19.56 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 17.74 | / | / | 19.03 | / | / | <=23 | Pass |
|                 | 3690    | Edge 1RB Left   | 18.10 | / | / | 19.39 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 18.00 | / | / | 19.29 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 14.56 | / | / | 15.85 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 17.91 | / | / | 19.20 | / | / | <=23 | Pass |

|                                                                                 |  |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |  | Inner_1RB_Left  | 17.88 | / | / | 19.17 | / | / | <=23 | Pass |
|                                                                                 |  | Inner_1RB_Right | 17.89 | / | / | 19.18 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 1.29dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |   |   |       |   |   |      |      |

## 2.3 30k\_SISO\_40MHz\_NTNV\_EIRP

### 2.3.1 Test Result

| 5G NR n48 SCS=30kHz SISO 40MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3570            | Edge_1RB_Left   | 21.15                | /    | /   | 22.44     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.29                | /    | /   | 22.58     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.49                | /    | /   | 22.78     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.24                | /    | /   | 22.53     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.46                | /    | /   | 22.75     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.61                | /    | /   | 22.90     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 21.14                | /    | /   | 22.43     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.45                | /    | /   | 22.74     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.16                | /    | /   | 22.45     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.54                | /    | /   | 22.83     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.97                | /    | /   | 22.26     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.61                | /    | /   | 22.90     | /    | /   | <=23  | Pass    |
|                                    | 3679.98         | Edge_1RB_Left   | 21.25                | /    | /   | 22.54     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.02                | /    | /   | 22.31     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.17                | /    | /   | 22.46     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 20.92                | /    | /   | 22.21     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.25                | /    | /   | 22.54     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.58                | /    | /   | 22.87     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM QPSK                    | 3570            | Edge_1RB_Left   | 20.90                | /    | /   | 22.19     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.21                | /    | /   | 22.50     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.20                | /    | /   | 22.49     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.31                | /    | /   | 22.60     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.37                | /    | /   | 22.66     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.53                | /    | /   | 22.82     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 21.55                | /    | /   | 22.84     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 20.98                | /    | /   | 22.27     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.06                | /    | /   | 22.35     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 20.94                | /    | /   | 22.23     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.20                | /    | /   | 22.49     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.53                | /    | /   | 22.82     | /    | /   | <=23  | Pass    |
|                                    | 3679.98         | Edge_1RB_Left   | 21.04                | /    | /   | 22.33     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.05                | /    | /   | 22.34     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 21.26                | /    | /   | 22.55     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.62                | /    | /   | 22.91     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.08                | /    | /   | 22.37     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.03                | /    | /   | 22.32     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM 16 QAM                  | 3570            | Edge_1RB_Left   | 21.23                | /    | /   | 22.52     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.01                | /    | /   | 22.30     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 20.85                | /    | /   | 22.14     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 21.02                | /    | /   | 22.31     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.22                | /    | /   | 22.51     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 20.91                | /    | /   | 22.20     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 21.41                | /    | /   | 22.70     | /    | /   | <=23  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM 64 QAM  | 3679.98 | Edge_1RB_Right  | 21.46 | / | / | 22.75 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 20.88 | / | / | 22.17 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 21.32 | / | / | 22.61 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.87 | / | / | 22.16 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 21.47 | / | / | 22.76 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 21.19 | / | / | 22.48 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 21.07 | / | / | 22.36 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 21.13 | / | / | 22.42 | / | / | <=23 | Pass |
|                    | 3570    | Inner_Full      | 21.23 | / | / | 22.52 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 21.33 | / | / | 22.62 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 20.93 | / | / | 22.22 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 21.07 | / | / | 22.36 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 21.19 | / | / | 22.48 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 20.98 | / | / | 22.27 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 21.17 | / | / | 22.46 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 21.04 | / | / | 22.33 | / | / | <=23 | Pass |
| DFT-s-OFDM 256 QAM | 3624.99 | Inner_1RB_Right | 21.05 | / | / | 22.34 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 21.23 | / | / | 22.52 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 20.96 | / | / | 22.25 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 21.25 | / | / | 22.54 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 20.96 | / | / | 22.25 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.97 | / | / | 22.26 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 21.14 | / | / | 22.43 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 21.25 | / | / | 22.54 | / | / | <=23 | Pass |
|                    | 3679.98 | Edge_1RB_Right  | 21.30 | / | / | 22.59 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 21.13 | / | / | 22.42 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 20.83 | / | / | 22.12 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.93 | / | / | 22.22 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 21.08 | / | / | 22.37 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 19.96 | / | / | 21.25 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 20.01 | / | / | 21.30 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 19.82 | / | / | 21.11 | / | / | <=23 | Pass |
| CP-OFDM QPSK       | 3570    | Inner_Full      | 20.07 | / | / | 21.36 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 19.99 | / | / | 21.28 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 19.97 | / | / | 21.26 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 20.18 | / | / | 21.47 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 20.24 | / | / | 21.53 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 19.79 | / | / | 21.08 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 20.10 | / | / | 21.39 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.31 | / | / | 21.60 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 19.98 | / | / | 21.27 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 19.68 | / | / | 20.97 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 19.77 | / | / | 21.06 | / | / | <=23 | Pass |
| CP-OFDM QPSK       | 3679.98 | Outer_Full      | 19.90 | / | / | 21.19 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 20.15 | / | / | 21.44 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 20.00 | / | / | 21.29 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 19.65 | / | / | 20.94 | / | / | <=23 | Pass |
|                    | 3570    | Edge_1RB_Left   | 20.99 | / | / | 22.28 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 21.60 | / | / | 22.89 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 20.97 | / | / | 22.26 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 21.64 | / | / | 22.93 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 21.24 | / | / | 22.53 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 21.39 | / | / | 22.68 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 21.10 | / | / | 22.39 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 21.37 | / | / | 22.66 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 21.36 | / | / | 22.65 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 20.95 | / | / | 22.24 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 21.28 | / | / | 22.57 | / | / | <=23 | Pass |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 | 3679.98 | Inner 1RB Right | 21.21 | / | / | 22.50 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Left   | 21.32 | / | / | 22.61 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.16 | / | / | 22.45 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 21.13 | / | / | 22.42 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 21.46 | / | / | 22.75 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.12 | / | / | 22.41 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.11 | / | / | 22.40 | / | / | <=23 | Pass |
| CP-OFDM 16 QAM  | 3570    | Edge 1RB Left   | 21.08 | / | / | 22.37 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.11 | / | / | 22.40 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 21.28 | / | / | 22.57 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 21.54 | / | / | 22.83 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.36 | / | / | 22.65 | / | / | <=23 | Pass |
|                 | 3624.99 | Inner 1RB Right | 20.86 | / | / | 22.15 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Left   | 21.51 | / | / | 22.80 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.36 | / | / | 22.65 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 21.46 | / | / | 22.75 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 20.89 | / | / | 22.18 | / | / | <=23 | Pass |
|                 | 3679.98 | Inner 1RB Left  | 21.24 | / | / | 22.53 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.03 | / | / | 22.32 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Left   | 21.23 | / | / | 22.52 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.19 | / | / | 22.48 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 21.42 | / | / | 22.71 | / | / | <=23 | Pass |
| CP-OFDM 64 QAM  | 3570    | Inner Full      | 21.53 | / | / | 22.82 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.15 | / | / | 22.44 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.25 | / | / | 22.54 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Left   | 20.61 | / | / | 21.90 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 20.82 | / | / | 22.11 | / | / | <=23 | Pass |
|                 | 3624.99 | Outer Full      | 21.16 | / | / | 22.45 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 20.90 | / | / | 22.19 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 20.50 | / | / | 21.79 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 20.95 | / | / | 22.24 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Left   | 20.86 | / | / | 22.15 | / | / | <=23 | Pass |
|                 | 3679.98 | Edge 1RB Right  | 21.05 | / | / | 22.34 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 21.03 | / | / | 22.32 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 21.14 | / | / | 22.43 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.13 | / | / | 22.42 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 20.66 | / | / | 21.95 | / | / | <=23 | Pass |
| CP-OFDM 256 QAM | 3570    | Edge 1RB Left   | 20.57 | / | / | 21.86 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.17 | / | / | 22.46 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 20.96 | / | / | 22.25 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 20.52 | / | / | 21.81 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 20.63 | / | / | 21.92 | / | / | <=23 | Pass |
|                 | 3624.99 | Inner 1RB Right | 20.82 | / | / | 22.11 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Left   | 18.12 | / | / | 19.41 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 18.11 | / | / | 19.40 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 18.29 | / | / | 19.58 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 18.10 | / | / | 19.39 | / | / | <=23 | Pass |
|                 | 3679.98 | Inner 1RB Left  | 17.92 | / | / | 19.21 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 18.30 | / | / | 19.59 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Left   | 18.42 | / | / | 19.71 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 18.31 | / | / | 19.60 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 18.23 | / | / | 19.52 | / | / | <=23 | Pass |
|                 | 3624.99 | Inner Full      | 18.34 | / | / | 19.63 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 18.30 | / | / | 19.59 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 18.22 | / | / | 19.51 | / | / | <=23 | Pass |
|                 | 3679.98 | Edge 1RB Left   | 17.72 | / | / | 19.01 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 17.97 | / | / | 19.26 | / | / | <=23 | Pass |
|                 | 3679.98 | Outer Full      | 18.10 | / | / | 19.39 | / | / | <=23 | Pass |

|                                                                                 |  |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |  | Inner_Full      | 17.87 | / | / | 19.16 | / | / | <=23 | Pass |
|                                                                                 |  | Inner_1RB_Left  | 18.23 | / | / | 19.52 | / | / | <=23 | Pass |
|                                                                                 |  | Inner_1RB_Right | 17.99 | / | / | 19.28 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 1.29dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |   |   |       |   |   |      |      |

## 2.4 30k\_SISO\_40MHz\_NTNV\_EIRP/10MHz

### 2.4.1 Test Result

| 5G NR n48 SCS=30kHz SISO 40MHz NTN |                 |                 |                            |      |     |                 |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------------|------|-----|-----------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm/10MHz) |      |     | EIRP(dBm/10MHz) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                       | Ant2 | Sum | Ant1            | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3570            | Edge_1RB_Left   | 21.05                      | /    | /   | 22.34           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.29                      | /    | /   | 22.58           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.69                      | /    | /   | 16.98           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 18.23                      | /    | /   | 19.52           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.34                      | /    | /   | 22.63           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.36                      | /    | /   | 22.65           | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 21.30                      | /    | /   | 22.59           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.36                      | /    | /   | 22.65           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.11                      | /    | /   | 16.40           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 18.61                      | /    | /   | 19.90           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.58                      | /    | /   | 22.87           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.56                      | /    | /   | 22.85           | /    | /   | <=23  | Pass    |
|                                    | 3679.98         | Edge_1RB_Left   | 20.98                      | /    | /   | 22.27           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.01                      | /    | /   | 22.30           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.21                      | /    | /   | 16.50           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 18.25                      | /    | /   | 19.54           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.65                      | /    | /   | 22.94           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.65                      | /    | /   | 22.94           | /    | /   | <=23  | Pass    |
| DFT-s-OFDM QPSK                    | 3570            | Edge_1RB_Left   | 21.21                      | /    | /   | 22.50           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 20.97                      | /    | /   | 22.26           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 14.96                      | /    | /   | 16.25           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 18.32                      | /    | /   | 19.61           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.15                      | /    | /   | 22.44           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 20.91                      | /    | /   | 22.20           | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 21.08                      | /    | /   | 22.37           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.24                      | /    | /   | 22.53           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.08                      | /    | /   | 16.37           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 18.00                      | /    | /   | 19.29           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.51                      | /    | /   | 22.80           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.49                      | /    | /   | 22.78           | /    | /   | <=23  | Pass    |
|                                    | 3679.98         | Edge_1RB_Left   | 21.32                      | /    | /   | 22.61           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.38                      | /    | /   | 22.67           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.30                      | /    | /   | 16.59           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 17.82                      | /    | /   | 19.11           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.46                      | /    | /   | 22.75           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.47                      | /    | /   | 22.76           | /    | /   | <=23  | Pass    |
| DFT-s-OFDM 16 QAM                  | 3570            | Edge_1RB_Left   | 21.23                      | /    | /   | 22.52           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 20.86                      | /    | /   | 22.15           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.47                      | /    | /   | 16.76           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 18.65                      | /    | /   | 19.94           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.43                      | /    | /   | 22.72           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.53                      | /    | /   | 22.82           | /    | /   | <=23  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    | 3624.99 | Edge 1RB Left   | 21.13 | / | / | 22.42 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 21.00 | / | / | 22.29 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 15.04 | / | / | 16.33 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 18.11 | / | / | 19.40 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 21.40 | / | / | 22.69 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 21.09 | / | / | 22.38 | / | / | <=23 | Pass |
|                    | 3679.98 | Edge 1RB Left   | 21.21 | / | / | 22.50 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 21.06 | / | / | 22.35 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 15.34 | / | / | 16.63 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 18.63 | / | / | 19.92 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 21.28 | / | / | 22.57 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 21.06 | / | / | 22.35 | / | / | <=23 | Pass |
| DFT-s-OFDM 64 QAM  | 3570    | Edge 1RB Left   | 21.41 | / | / | 22.70 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 20.82 | / | / | 22.11 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 15.12 | / | / | 16.41 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 18.49 | / | / | 19.78 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 21.11 | / | / | 22.40 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 20.73 | / | / | 22.02 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge 1RB Left   | 21.10 | / | / | 22.39 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 21.03 | / | / | 22.32 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 14.71 | / | / | 16.00 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 17.59 | / | / | 18.88 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 21.08 | / | / | 22.37 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 20.78 | / | / | 22.07 | / | / | <=23 | Pass |
|                    | 3679.98 | Edge 1RB Left   | 21.25 | / | / | 22.54 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 21.29 | / | / | 22.58 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 15.16 | / | / | 16.45 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 17.56 | / | / | 18.85 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 21.41 | / | / | 22.70 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 20.91 | / | / | 22.20 | / | / | <=23 | Pass |
| DFT-s-OFDM 256 QAM | 3570    | Edge 1RB Left   | 20.30 | / | / | 21.59 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 19.74 | / | / | 21.03 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 13.84 | / | / | 15.13 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 17.00 | / | / | 18.29 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 20.31 | / | / | 21.60 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 20.24 | / | / | 21.53 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge 1RB Left   | 20.03 | / | / | 21.32 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 20.19 | / | / | 21.48 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 14.14 | / | / | 15.43 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 17.14 | / | / | 18.43 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 19.64 | / | / | 20.93 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 19.66 | / | / | 20.95 | / | / | <=23 | Pass |
|                    | 3679.98 | Edge 1RB Left   | 20.26 | / | / | 21.55 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 19.98 | / | / | 21.27 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 14.34 | / | / | 15.63 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 16.83 | / | / | 18.12 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 20.19 | / | / | 21.48 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 19.65 | / | / | 20.94 | / | / | <=23 | Pass |
| CP-OFDM QPSK       | 3570    | Edge 1RB Left   | 21.00 | / | / | 22.29 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 20.93 | / | / | 22.22 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 15.22 | / | / | 16.51 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 18.45 | / | / | 19.74 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Left  | 21.55 | / | / | 22.84 | / | / | <=23 | Pass |
|                    |         | Inner 1RB Right | 21.51 | / | / | 22.80 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge 1RB Left   | 21.39 | / | / | 22.68 | / | / | <=23 | Pass |
|                    |         | Edge 1RB Right  | 21.27 | / | / | 22.56 | / | / | <=23 | Pass |
|                    |         | Outer Full      | 15.09 | / | / | 16.38 | / | / | <=23 | Pass |
|                    |         | Inner Full      | 18.37 | / | / | 19.66 | / | / | <=23 | Pass |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 | 3679.98 | Inner 1RB Left  | 21.51 | / | / | 22.80 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 20.91 | / | / | 22.20 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Left   | 21.24 | / | / | 22.53 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.07 | / | / | 22.36 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 15.52 | / | / | 16.81 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 18.25 | / | / | 19.54 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 20.91 | / | / | 22.20 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 20.96 | / | / | 22.25 | / | / | <=23 | Pass |
| CP-OFDM 16 QAM  | 3570    | Edge 1RB Left   | 21.24 | / | / | 22.53 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 20.86 | / | / | 22.15 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 14.91 | / | / | 16.20 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 18.50 | / | / | 19.79 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.24 | / | / | 22.53 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.11 | / | / | 22.40 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge 1RB Left   | 21.19 | / | / | 22.48 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.02 | / | / | 22.31 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 14.95 | / | / | 16.24 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 17.55 | / | / | 18.84 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.05 | / | / | 22.34 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.02 | / | / | 22.31 | / | / | <=23 | Pass |
|                 | 3679.98 | Edge 1RB Left   | 21.39 | / | / | 22.68 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 20.84 | / | / | 22.13 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 15.02 | / | / | 16.31 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 18.24 | / | / | 19.53 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 21.39 | / | / | 22.68 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 21.30 | / | / | 22.59 | / | / | <=23 | Pass |
| CP-OFDM 64 QAM  | 3570    | Edge 1RB Left   | 20.74 | / | / | 22.03 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.21 | / | / | 22.50 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 14.61 | / | / | 15.90 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 17.81 | / | / | 19.10 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 20.52 | / | / | 21.81 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 20.79 | / | / | 22.08 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge 1RB Left   | 20.80 | / | / | 22.09 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 21.24 | / | / | 22.53 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 15.14 | / | / | 16.43 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 17.68 | / | / | 18.97 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 20.80 | / | / | 22.09 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 20.94 | / | / | 22.23 | / | / | <=23 | Pass |
|                 | 3679.98 | Edge 1RB Left   | 20.95 | / | / | 22.24 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 20.69 | / | / | 21.98 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 14.92 | / | / | 16.21 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 17.96 | / | / | 19.25 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 20.97 | / | / | 22.26 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 20.67 | / | / | 21.96 | / | / | <=23 | Pass |
| CP-OFDM 256 QAM | 3570    | Edge 1RB Left   | 17.83 | / | / | 19.12 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 18.32 | / | / | 19.61 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 12.00 | / | / | 13.29 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 14.95 | / | / | 16.24 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 17.78 | / | / | 19.07 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 18.19 | / | / | 19.48 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge 1RB Left   | 18.16 | / | / | 19.45 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 18.27 | / | / | 19.56 | / | / | <=23 | Pass |
|                 |         | Outer Full      | 12.10 | / | / | 13.39 | / | / | <=23 | Pass |
|                 |         | Inner Full      | 14.87 | / | / | 16.16 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Left  | 17.97 | / | / | 19.26 | / | / | <=23 | Pass |
|                 |         | Inner 1RB Right | 17.78 | / | / | 19.07 | / | / | <=23 | Pass |
|                 | 3679.98 | Edge 1RB Left   | 18.15 | / | / | 19.44 | / | / | <=23 | Pass |
|                 |         | Edge 1RB Right  | 18.12 | / | / | 19.41 | / | / | <=23 | Pass |

|                                                                                 |  |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |  | Outer_Full      | 11.73 | / | / | 13.02 | / | / | <=23 | Pass |
|                                                                                 |  | Inner_Full      | 15.22 | / | / | 16.51 | / | / | <=23 | Pass |
|                                                                                 |  | Inner_1RB_Left  | 17.90 | / | / | 19.19 | / | / | <=23 | Pass |
|                                                                                 |  | Inner_1RB_Right | 17.98 | / | / | 19.27 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 1.29dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |   |   |       |   |   |      |      |

## 3. Frequency Stability

### 3.1 30k\_SISO\_20MHz

#### 3.1.1 Test Result

| 5G NR n48 SCS=30kHz SISO 20MHz |                 |               |            |       |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK           | 3624.99         | Outer_Full    | 20         | LV    | 7.60             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -8.10            | -0.0022               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -5.00            | -0.0014               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -12.60           | -0.0035               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -4.10            | -0.0011               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | 14.50            | 0.0040                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -22.60           | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -8.00            | -0.0022               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -12.60           | -0.0035               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -8.30            | -0.0023               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK                | 3624.99         | Outer_Full    | 20         | LV    | -10.30           | -0.0028               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -29.90           | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -26.10           | -0.0072               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -18.90           | -0.0052               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -11.50           | -0.0032               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -24.80           | -0.0068               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -28.00           | -0.0077               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 11.50            | 0.0032                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -7.80            | -0.0022               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 17.60            | 0.0049                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM              | 3624.99         | Outer_Full    | 20         | LV    | -20.90           | -0.0058               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -35.80           | -0.0099               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -25.10           | -0.0069               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -15.20           | -0.0042               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 3.60             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -18.50           | -0.0051               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -13.10           | -0.0036               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 7.40             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -31.60           | -0.0087               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -21.90           | -0.0060               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM              | 3624.99         | Outer_Full    | 20         | LV    | -19.80           | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 12.60            | 0.0035                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -8.40            | -0.0023               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -15.80           | -0.0044               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 44.50            | 0.0123                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -22.30           | -0.0062               | >=-2.5 & <=2.5 | Pass    |

|                    |         |            |     |    |        |         |                          |      |
|--------------------|---------|------------|-----|----|--------|---------|--------------------------|------|
|                    |         |            | 10  | NV | -7.60  | -0.0021 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 20  | NV | -14.40 | -0.0040 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 30  | NV | -25.90 | -0.0071 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 40  | NV | 10.00  | 0.0028  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 50  | NV | -13.80 | -0.0038 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 256 QAM | 3624.99 | Outer_Full | 20  | LV | 6.00   | 0.0017  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            |     | HV | -3.20  | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -30 | NV | -4.30  | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -20 | NV | -1.60  | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -10 | NV | 10.30  | 0.0028  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 0   | NV | -13.00 | -0.0036 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 10  | NV | -10.70 | -0.0030 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 20  | NV | -17.20 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 30  | NV | -4.40  | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 40  | NV | 5.50   | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK       | 3624.99 | Outer_Full | 20  | LV | -22.80 | -0.0063 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            |     | HV | -49.30 | -0.0136 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -30 | NV | -21.10 | -0.0058 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -20 | NV | 14.30  | 0.0039  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -10 | NV | -3.30  | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 0   | NV | -26.40 | -0.0073 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 10  | NV | 4.60   | 0.0013  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 20  | NV | -10.00 | -0.0028 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 30  | NV | -10.00 | -0.0028 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 40  | NV | -15.00 | -0.0041 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM     | 3624.99 | Outer_Full | 20  | LV | -2.80  | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            |     | HV | -25.00 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -30 | NV | -31.90 | -0.0088 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -20 | NV | 3.30   | 0.0009  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -10 | NV | -8.90  | -0.0025 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 0   | NV | -17.60 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 10  | NV | -7.90  | -0.0022 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 20  | NV | 18.70  | 0.0052  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 30  | NV | -12.40 | -0.0034 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 40  | NV | -32.70 | -0.0090 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM     | 3624.99 | Outer_Full | 20  | LV | -13.00 | -0.0036 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            |     | HV | -38.40 | -0.0106 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -30 | NV | -26.80 | -0.0074 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -20 | NV | -10.60 | -0.0029 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -10 | NV | -21.40 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 0   | NV | -24.60 | -0.0068 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 10  | NV | -15.70 | -0.0043 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 20  | NV | -6.80  | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 30  | NV | 6.10   | 0.0017  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 40  | NV | -22.40 | -0.0062 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 256 QAM    | 3624.99 | Outer_Full | 20  | LV | -8.70  | -0.0024 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            |     | HV | -12.80 | -0.0035 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -30 | NV | -36.00 | -0.0099 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -20 | NV | -13.80 | -0.0038 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | -10 | NV | -3.10  | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 0   | NV | -9.80  | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 10  | NV | -1.90  | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 20  | NV | -15.50 | -0.0043 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |         |            | 30  | NV | -22.30 | -0.0062 | $\geq -2.5$ & $\leq 2.5$ | Pass |

|  |  |    |    |        |         |                |      |
|--|--|----|----|--------|---------|----------------|------|
|  |  | 40 | NV | -17.90 | -0.0049 | >=-2.5 & <=2.5 | Pass |
|  |  | 50 | NV | -8.70  | -0.0024 | >=-2.5 & <=2.5 | Pass |

## 3.2 30k\_SISO\_40MHz

### 3.2.1 Test Result

| 5G NR n48 SCS=30kHz SISO 40MHz |                 |               |            |       |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK           | 3624.99         | Outer_Full    | 20         | LV    | -13.10           | -0.0036               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 3.70             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -21.30           | -0.0059               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -21.50           | -0.0059               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -13.10           | -0.0036               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -14.20           | -0.0039               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -22.20           | -0.0061               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -18.70           | -0.0052               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -11.80           | -0.0033               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -29.40           | -0.0081               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | -21.80           | -0.0060               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK                | 3624.99         | Outer_Full    | 20         | LV    | -16.70           | -0.0046               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -17.30           | -0.0048               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -25.20           | -0.0070               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -13.30           | -0.0037               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -14.80           | -0.0041               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -16.90           | -0.0047               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -769.70          | -0.2123               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -10.40           | -0.0029               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -19.20           | -0.0053               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 5.10             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | -20.10           | -0.0055               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM              | 3624.99         | Outer_Full    | 20         | LV    | -7.40            | -0.0020               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -17.10           | -0.0047               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -6.60            | -0.0018               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 3.60             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -5.40            | -0.0015               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -7.50            | -0.0021               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -13.70           | -0.0038               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -12.80           | -0.0035               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -19.20           | -0.0053               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 8.50             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | 5.60             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM              | 3624.99         | Outer_Full    | 20         | LV    | -23.40           | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 12.10            | 0.0033                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | 1.90             | 0.0005                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 17.60            | 0.0049                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -21.50           | -0.0059               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -5.10            | -0.0014               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -13.60           | -0.0038               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -10.80           | -0.0030               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -12.90           | -0.0036               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -5.40            | -0.0015               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | -5.00            | -0.0014               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 256 QAM             | 3624.99         | Outer_Full    | 20         | LV    | -20.20           | -0.0056               | >=-2.5 & <=2.5 | Pass    |

|                 |         |            |     |    |        |         |                          |      |
|-----------------|---------|------------|-----|----|--------|---------|--------------------------|------|
|                 |         |            |     | HV | -21.40 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -30 | NV | -9.80  | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -20 | NV | -6.20  | -0.0017 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -10 | NV | -23.90 | -0.0066 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 0   | NV | 3.20   | 0.0009  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 10  | NV | -10.90 | -0.0030 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20  | NV | -12.80 | -0.0035 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 30  | NV | -18.90 | -0.0052 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 40  | NV | -12.10 | -0.0033 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 50  | NV | -7.70  | -0.0021 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK    | 3624.99 | Outer_Full | 20  | LV | -8.20  | -0.0023 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            |     | HV | -20.80 | -0.0057 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -30 | NV | -23.20 | -0.0064 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -20 | NV | -13.50 | -0.0037 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -10 | NV | -17.60 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 0   | NV | -14.10 | -0.0039 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 10  | NV | -26.10 | -0.0072 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20  | NV | -9.30  | -0.0026 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 30  | NV | -7.40  | -0.0020 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 40  | NV | -10.60 | -0.0029 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM  | 3624.99 | Outer_Full | 50  | NV | 5.10   | 0.0014  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20  | LV | 11.60  | 0.0032  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            |     | HV | 7.50   | 0.0021  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -30 | NV | -12.00 | -0.0033 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -20 | NV | -1.80  | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -10 | NV | -15.60 | -0.0043 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 0   | NV | -12.30 | -0.0034 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 10  | NV | -2.90  | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20  | NV | 3.20   | 0.0009  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 30  | NV | -11.60 | -0.0032 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM  | 3624.99 | Outer_Full | 40  | NV | -22.30 | -0.0062 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 50  | NV | -22.20 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20  | LV | -5.10  | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            |     | HV | -19.40 | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -30 | NV | -9.10  | -0.0025 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -20 | NV | 3.60   | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -10 | NV | -7.20  | -0.0020 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 0   | NV | -7.70  | -0.0021 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 10  | NV | -14.30 | -0.0039 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20  | NV | -18.20 | -0.0050 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 256 QAM | 3624.99 | Outer_Full | 30  | NV | -26.80 | -0.0074 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 40  | NV | -11.20 | -0.0031 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 50  | NV | -16.50 | -0.0046 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20  | LV | -17.10 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            |     | HV | -11.60 | -0.0032 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -30 | NV | -5.20  | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -20 | NV | -10.40 | -0.0029 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -10 | NV | -11.90 | -0.0033 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 0   | NV | -13.00 | -0.0036 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 10  | NV | -10.60 | -0.0029 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20  | NV | -5.00  | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 30  | NV | -25.00 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 40  | NV | -16.50 | -0.0046 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 50  | NV | 2.00   | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |

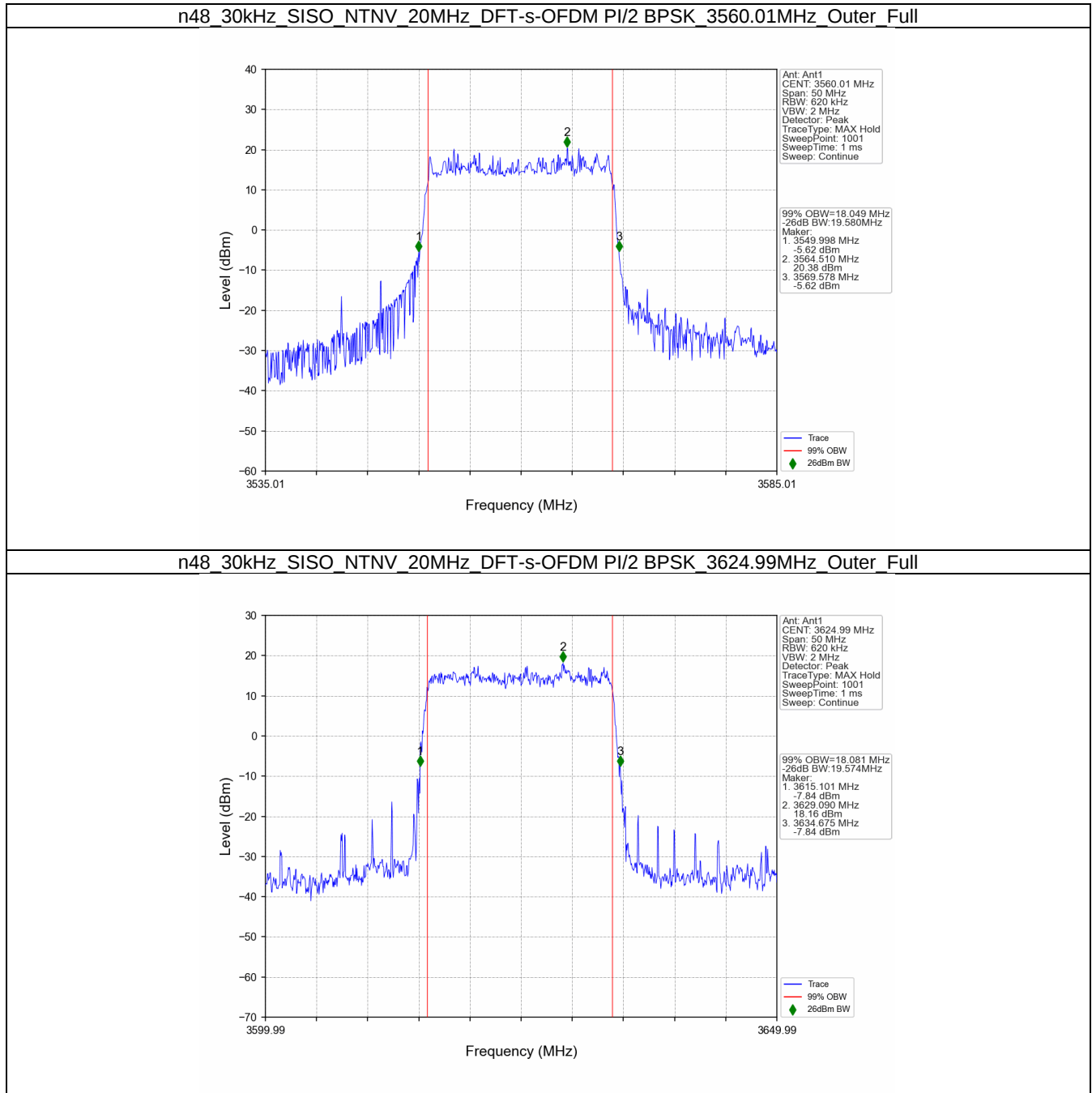
## 4. 99% & 26dB Bandwidth

## 4.1 30k\_SISO\_20MHz\_NTNV

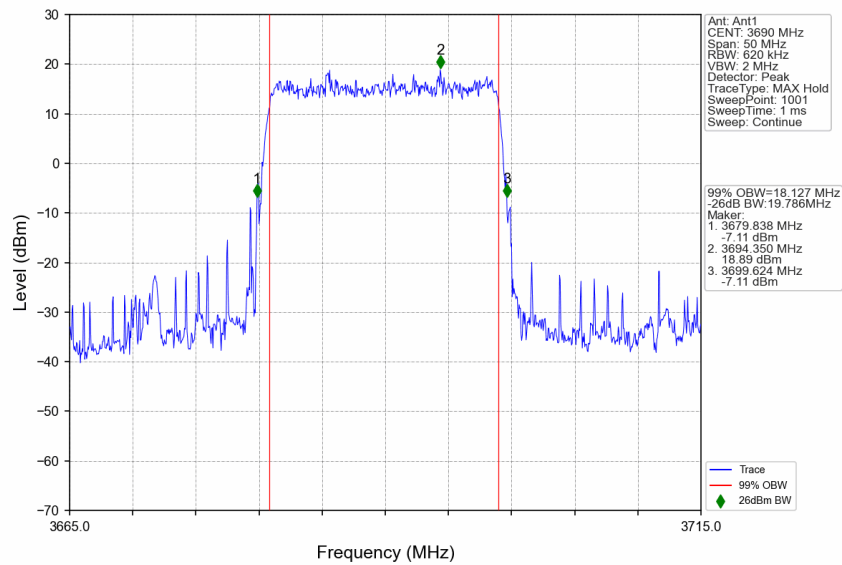
### 4.1.1 Test Result

| 5G NR n48 SCS=30kHz SISO 20MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 3560.01         | Outer_Full    | 18.05               | 19.58                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.08               | 19.57                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.13               | 19.79                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 3560.01         | Outer_Full    | 18.12               | 19.88                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.08               | 19.42                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.11               | 19.45                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 3560.01         | Outer_Full    | 18.12               | 19.93                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.12               | 19.67                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.14               | 19.64                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 3560.01         | Outer_Full    | 18.06               | 19.65                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.11               | 19.59                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.10               | 19.43                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 3560.01         | Outer_Full    | 18.05               | 19.43                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.15               | 19.60                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.12               | 19.46                | /           | Pass    |
| CP-OFDM QPSK                       | 3560.01         | Outer_Full    | 18.39               | 20.02                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.31               | 19.94                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.33               | 19.82                | /           | Pass    |
| CP-OFDM 16 QAM                     | 3560.01         | Outer_Full    | 18.36               | 19.75                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.46               | 19.93                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.40               | 19.94                | /           | Pass    |
| CP-OFDM 64 QAM                     | 3560.01         | Outer_Full    | 18.43               | 21.51                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.34               | 20.43                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.30               | 20.70                | /           | Pass    |
| CP-OFDM 256 QAM                    | 3560.01         | Outer_Full    | 18.40               | 19.69                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.35               | 19.95                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.38               | 19.70                | /           | Pass    |

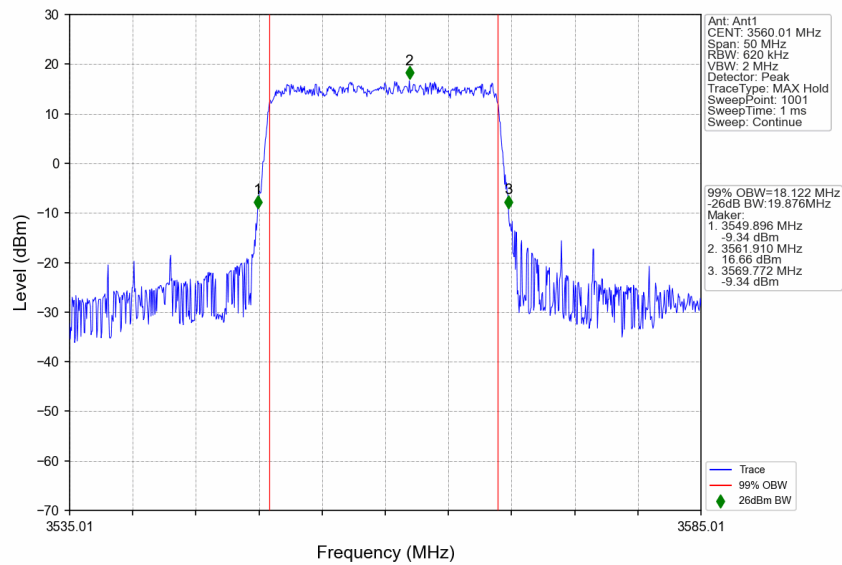
## 4.1.2 Test Graph



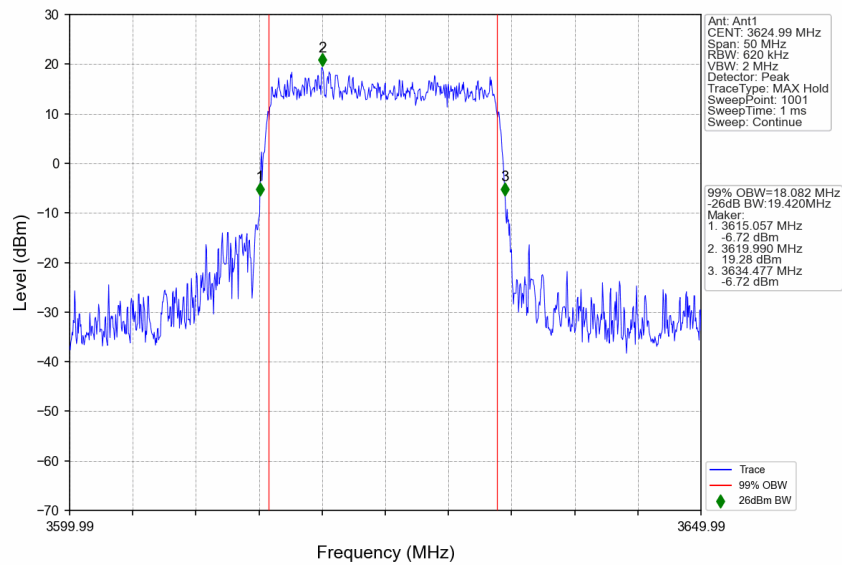
n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Outer\_Full



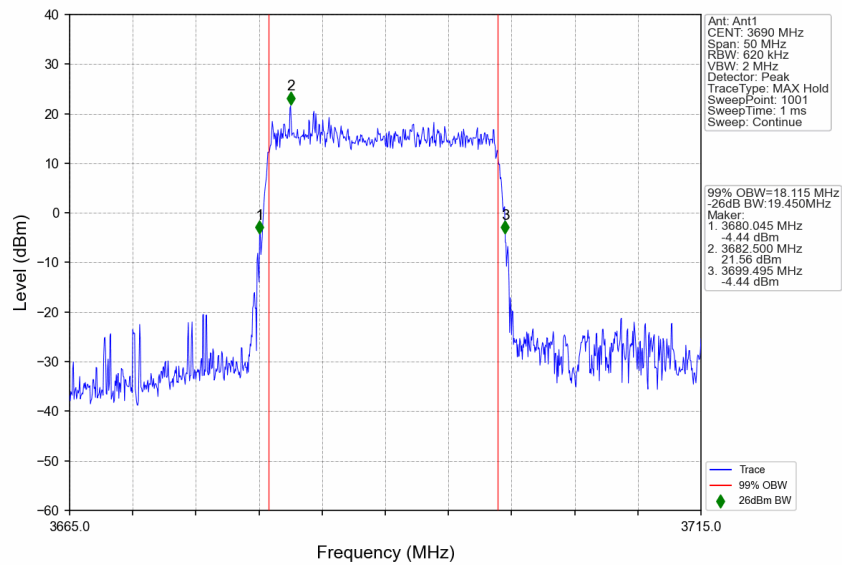
n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3560.01MHz\_Outer\_Full



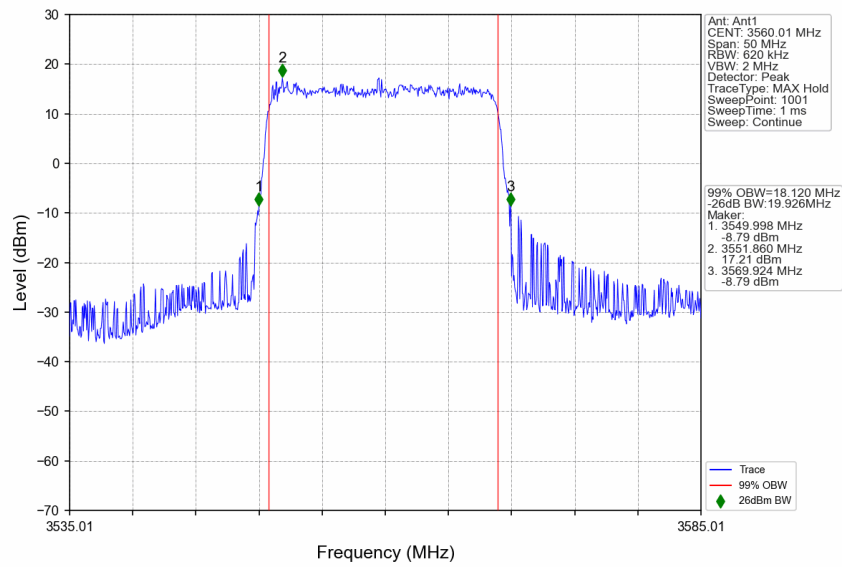
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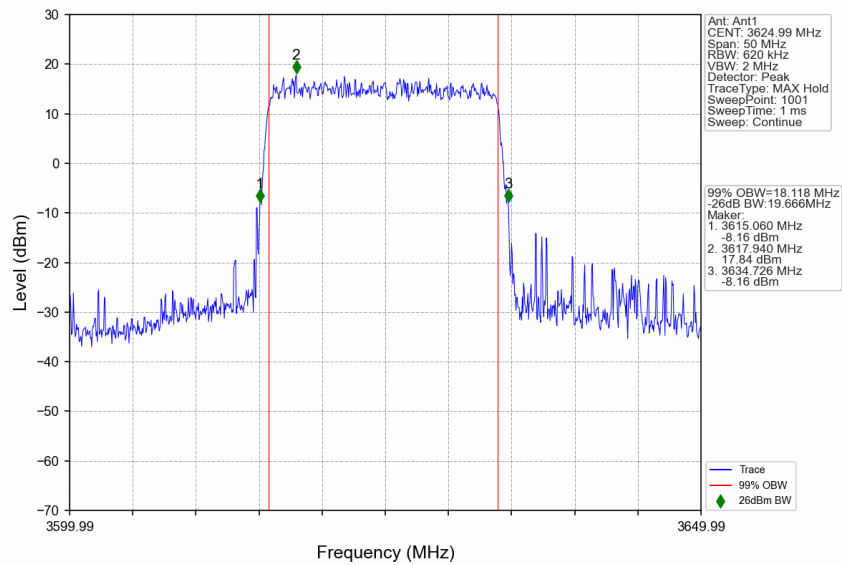
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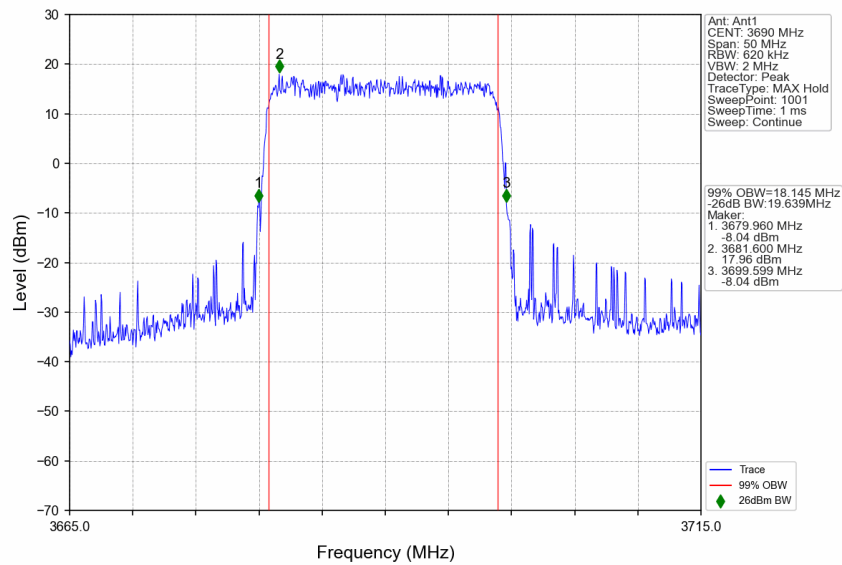
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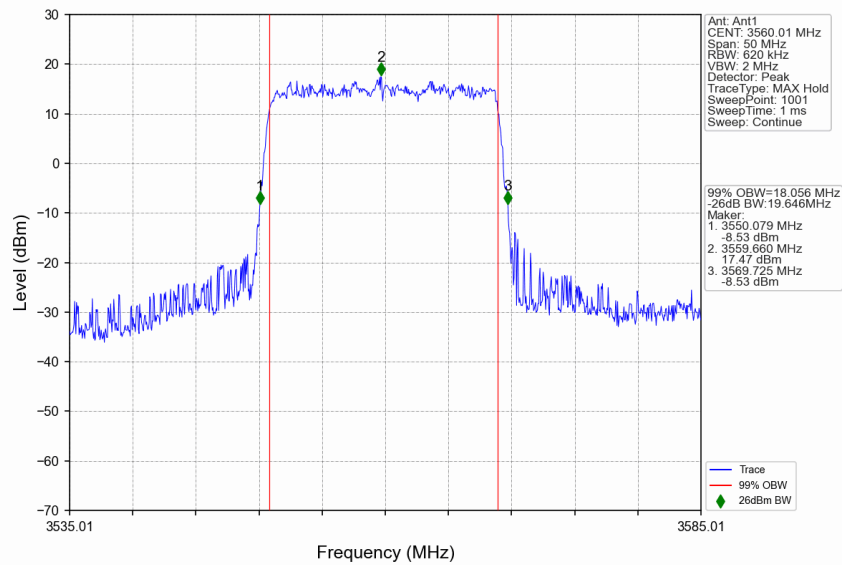
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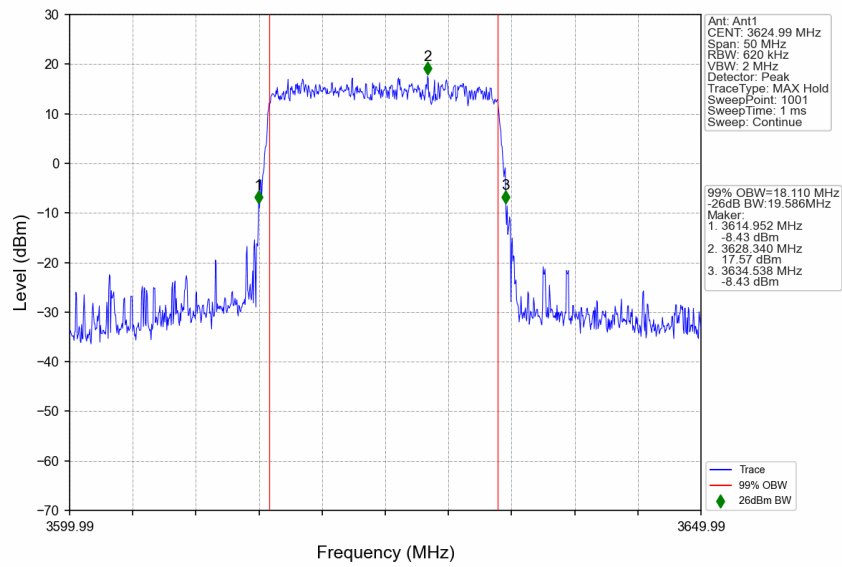
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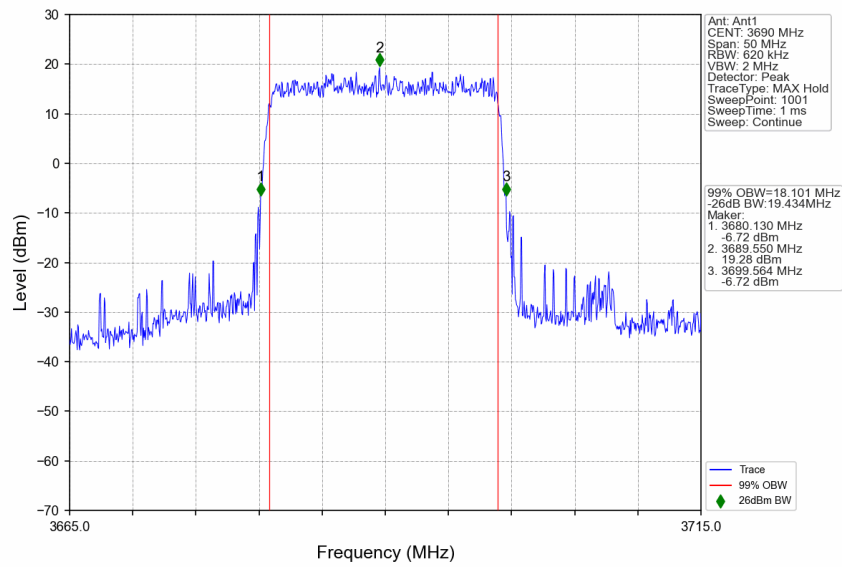
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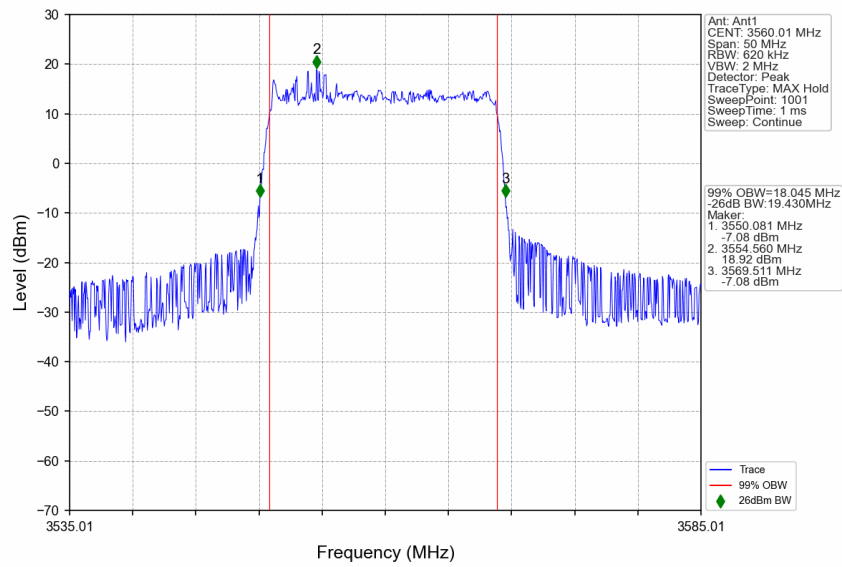
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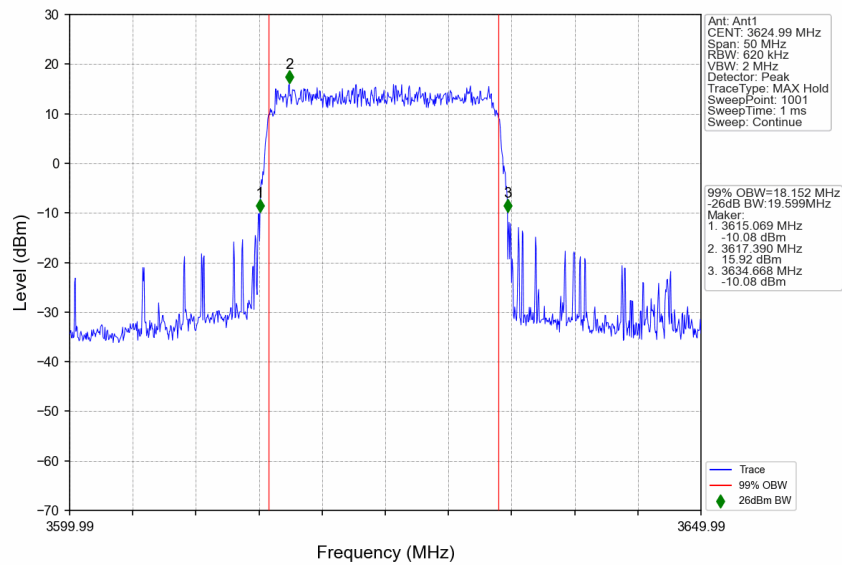
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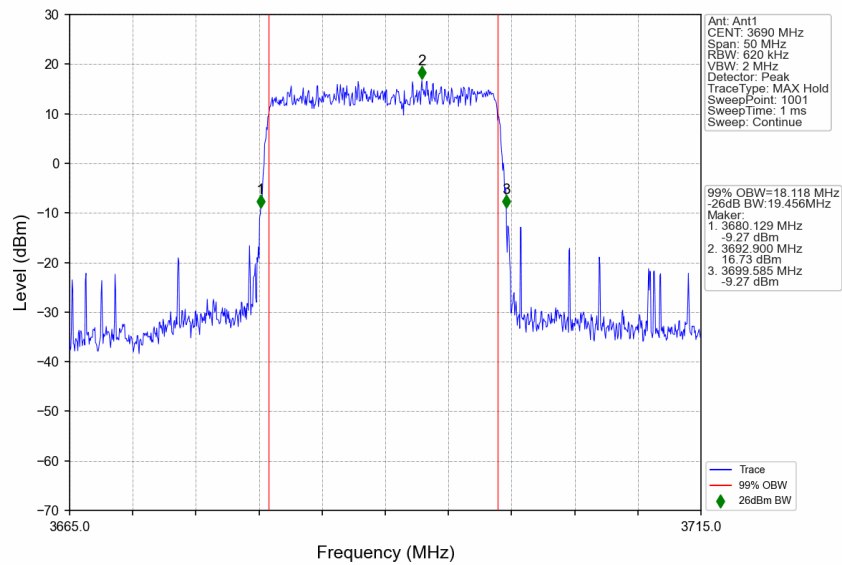
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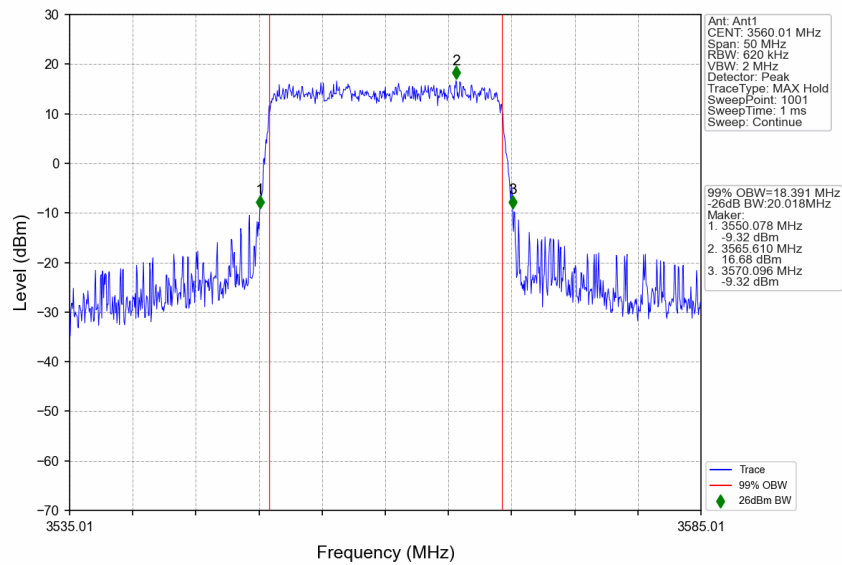
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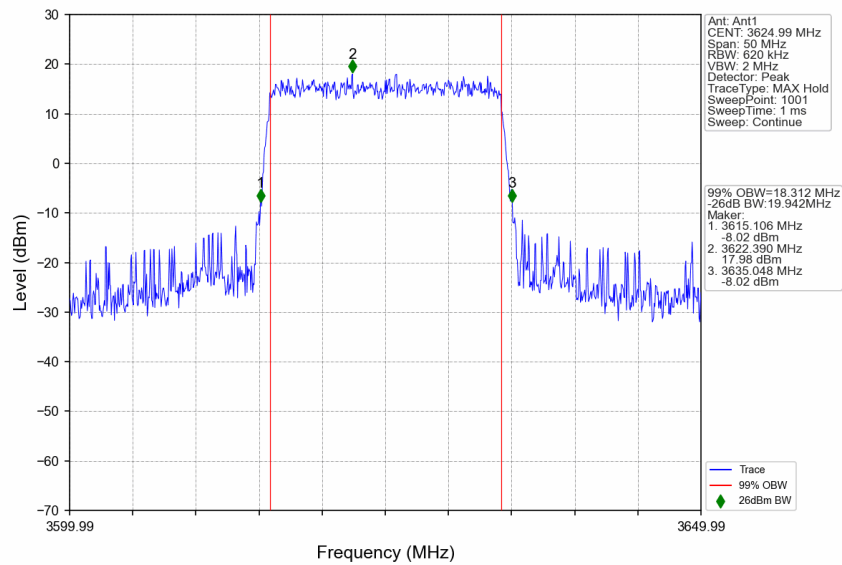
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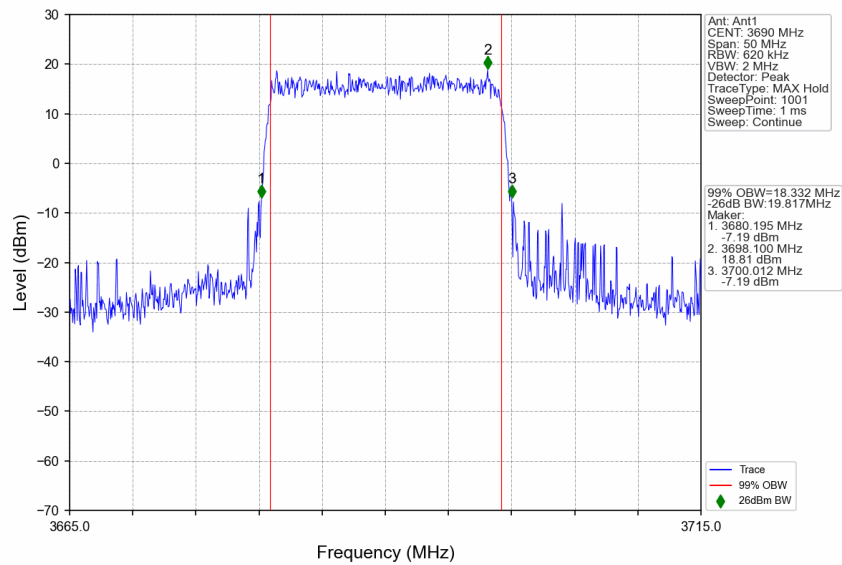
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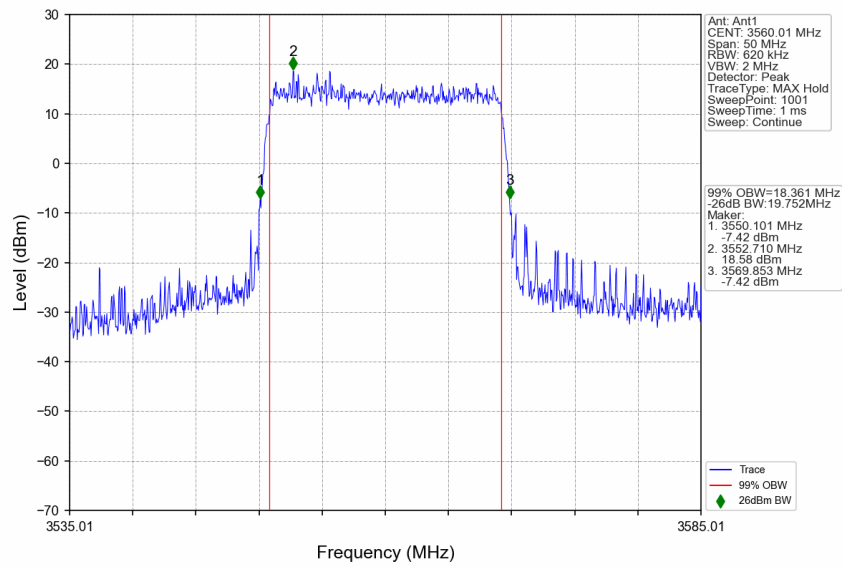
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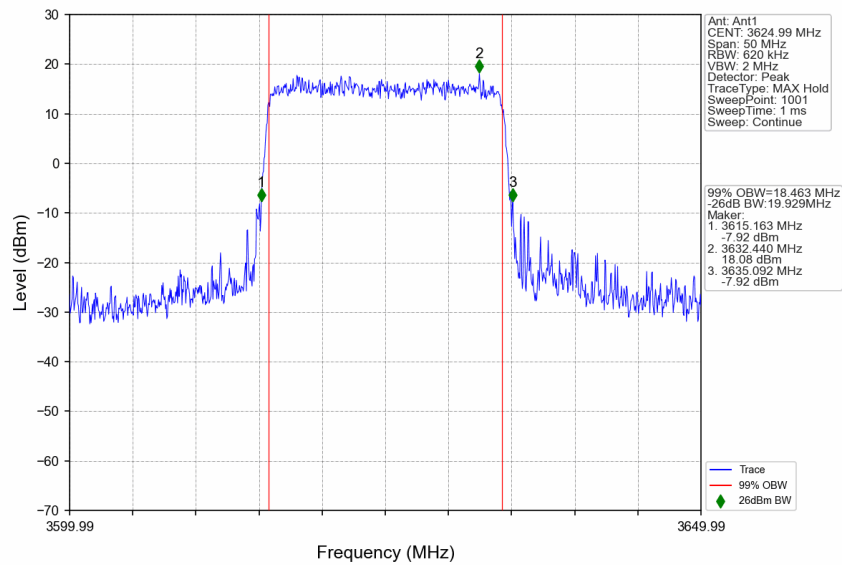
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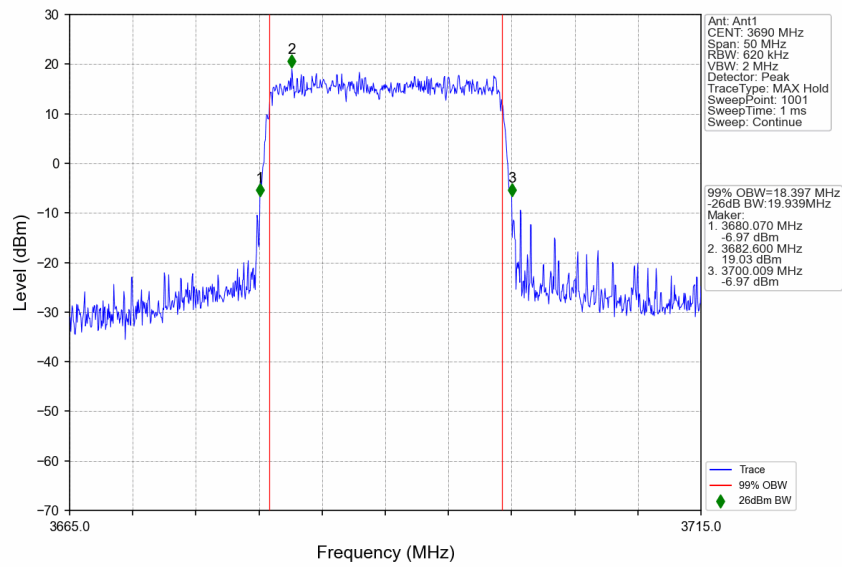
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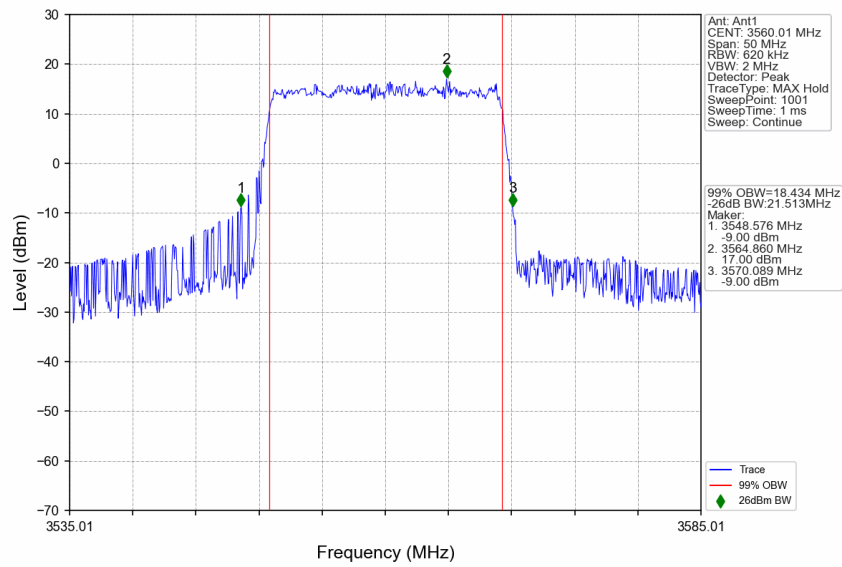
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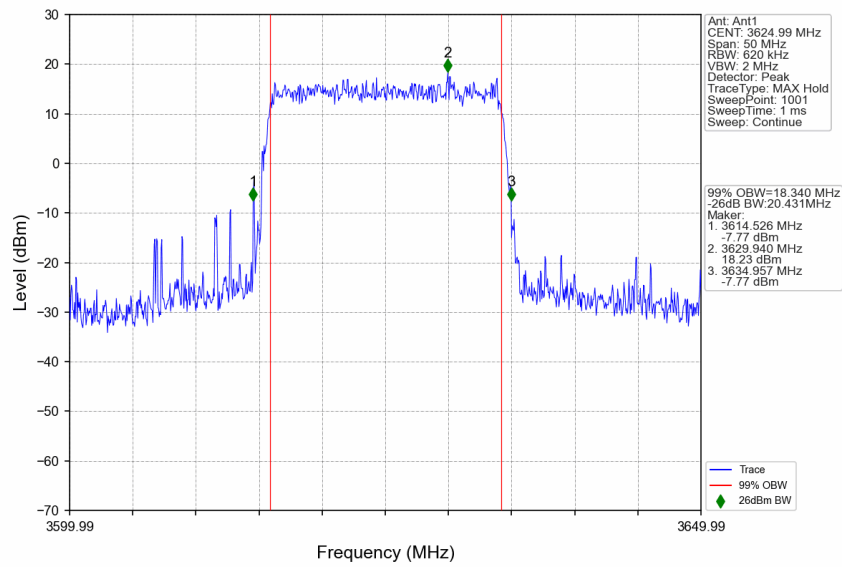
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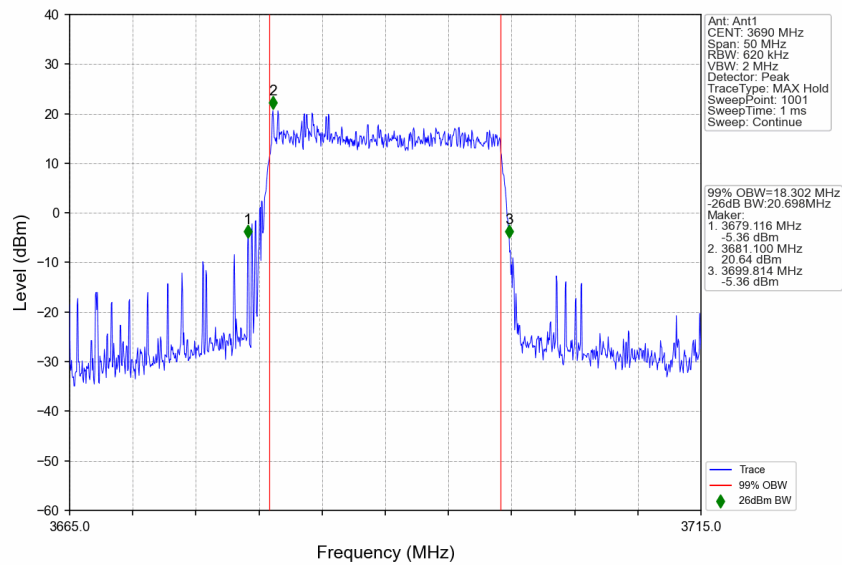
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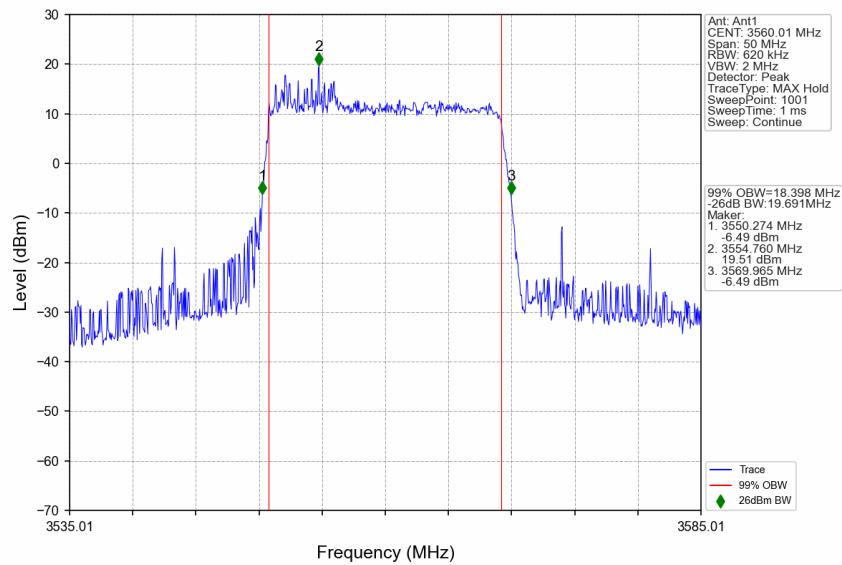
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n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3690MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3560.01MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full

