

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

### 1.1 Test Result

#### 1.1.1 30\_S\_10M\_NTNV\_EIRP

| 5G NR n38 SCS=30kHz SISO 10MHz NTN |                 |                 |                      |       |     |           |       |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|-------|-----|-----------|-------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |     | EIRP(dBm) |       |     |       | Verdict |
|                                    |                 |                 | Ant2                 | Ant2* | Sum | Ant2      | Ant2* | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2575            | Edge_1RB_Left   | 23.86                | /     | /   | 20.36     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.98                | /     | /   | 20.48     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 24.02                | /     | /   | 20.52     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.3                 | /     | /   | 20.8      | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.32                | /     | /   | 20.82     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.49                | /     | /   | 20.99     | /     | /   | <=33  | Pass    |
|                                    | 2595            | Edge_1RB_Left   | 23.89                | /     | /   | 20.39     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.91                | /     | /   | 20.41     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 23.8                 | /     | /   | 20.3      | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.28                | /     | /   | 20.78     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.4                 | /     | /   | 20.9      | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.42                | /     | /   | 20.92     | /     | /   | <=33  | Pass    |
|                                    | 2615            | Edge_1RB_Left   | 24.02                | /     | /   | 20.52     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.09                | /     | /   | 20.59     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 24.08                | /     | /   | 20.58     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.4                 | /     | /   | 20.9      | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.56                | /     | /   | 21.06     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.55                | /     | /   | 21.05     | /     | /   | <=33  | Pass    |
| DFT-s-OFDM QPSK                    | 2575            | Edge_1RB_Left   | 23.46                | /     | /   | 19.96     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.57                | /     | /   | 20.07     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 23.36                | /     | /   | 19.86     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.24                | /     | /   | 20.74     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.39                | /     | /   | 20.89     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.41                | /     | /   | 20.91     | /     | /   | <=33  | Pass    |
|                                    | 2595            | Edge_1RB_Left   | 23.66                | /     | /   | 20.16     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.61                | /     | /   | 20.11     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 23.43                | /     | /   | 19.93     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.46                | /     | /   | 20.96     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.47                | /     | /   | 20.97     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.57                | /     | /   | 21.07     | /     | /   | <=33  | Pass    |
|                                    | 2615            | Edge_1RB_Left   | 23.57                | /     | /   | 20.07     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.58                | /     | /   | 20.08     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 23.46                | /     | /   | 19.96     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.38                | /     | /   | 20.88     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.46                | /     | /   | 20.96     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.47                | /     | /   | 20.97     | /     | /   | <=33  | Pass    |
| DFT-s-OFDM 16 QAM                  | 2575            | Edge_1RB_Left   | 22.36                | /     | /   | 18.86     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.34                | /     | /   | 18.85     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 22.63                | /     | /   | 19.13     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 23.38                | /     | /   | 19.88     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.35                | /     | /   | 19.85     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 23.27                | /     | /   | 19.77     | /     | /   | <=33  | Pass    |
|                                    | 2595            | Edge_1RB_Left   | 22.44                | /     | /   | 18.94     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.37                | /     | /   | 18.87     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 22.45                | /     | /   | 18.95     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 23.49                | /     | /   | 19.99     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.33                | /     | /   | 19.83     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 23.49                | /     | /   | 19.99     | /     | /   | <=33  | Pass    |
|                                    | 2615            | Edge_1RB_Left   | 22.45                | /     | /   | 18.95     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.34                | /     | /   | 18.85     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 22.38                | /     | /   | 18.88     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 23.4                 | /     | /   | 19.9      | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.34                | /     | /   | 19.84     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 23.32                | /     | /   | 19.82     | /     | /   | <=33  | Pass    |

|                    |      |                 |       |   |   |       |   |   |      |      |
|--------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM 64 QAM  | 2575 | Edge_1RB_Left   | 22.03 | / | / | 18.53 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.1  | / | / | 18.6  | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 21.99 | / | / | 18.49 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 21.91 | / | / | 18.41 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.01 | / | / | 18.51 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.08 | / | / | 18.58 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 22.29 | / | / | 18.79 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.16 | / | / | 18.66 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 21.99 | / | / | 18.49 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.06 | / | / | 18.56 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.09 | / | / | 18.59 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.2  | / | / | 18.7  | / | / | <=33 | Pass |
|                    | 2615 | Edge_1RB_Left   | 22.11 | / | / | 18.61 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.29 | / | / | 18.79 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 22.07 | / | / | 18.57 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 21.99 | / | / | 18.49 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.12 | / | / | 18.62 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.38 | / | / | 18.88 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 2575 | Edge_1RB_Left   | 19.95 | / | / | 16.45 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.01 | / | / | 16.51 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 19.89 | / | / | 16.39 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 19.79 | / | / | 16.29 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 19.9  | / | / | 16.4  | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.06 | / | / | 16.56 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 20.05 | / | / | 16.55 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.08 | / | / | 16.58 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 20.02 | / | / | 16.52 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 19.81 | / | / | 16.31 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 20.03 | / | / | 16.53 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.07 | / | / | 16.58 | / | / | <=33 | Pass |
|                    | 2615 | Edge_1RB_Left   | 20.05 | / | / | 16.55 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.18 | / | / | 16.68 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 19.89 | / | / | 16.39 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 19.84 | / | / | 16.34 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 20.07 | / | / | 16.57 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.21 | / | / | 16.71 | / | / | <=33 | Pass |
| CP-OFDM QPSK       | 2575 | Edge_1RB_Left   | 21.57 | / | / | 18.07 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.6  | / | / | 18.1  | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 18.07 | / | / | 14.57 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.91 | / | / | 19.42 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.92 | / | / | 19.42 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.24 | / | / | 19.74 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 21.58 | / | / | 18.08 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.66 | / | / | 18.16 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 18.07 | / | / | 14.57 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.11 | / | / | 19.61 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 23.09 | / | / | 19.6  | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.23 | / | / | 19.73 | / | / | <=33 | Pass |
|                    | 2615 | Edge_1RB_Left   | 21.68 | / | / | 18.18 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.64 | / | / | 18.14 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 18.12 | / | / | 14.62 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.05 | / | / | 19.55 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 23.08 | / | / | 19.58 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.22 | / | / | 19.72 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM     | 2575 | Edge_1RB_Left   | 21.5  | / | / | 18    | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.38 | / | / | 17.88 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 21.49 | / | / | 17.99 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.51 | / | / | 19.01 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.21 | / | / | 18.71 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.36 | / | / | 18.86 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 21.44 | / | / | 17.94 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.34 | / | / | 17.84 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 21.39 | / | / | 17.89 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.52 | / | / | 19.02 | / | / | <=33 | Pass |

|                                                                                  |      |                 |       |   |   |       |   |   |      |      |
|----------------------------------------------------------------------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                  |      | Inner_1RB_Left  | 22.32 | / | / | 18.82 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 22.42 | / | / | 18.92 | / | / | <=33 | Pass |
|                                                                                  | 2615 | Edge_1RB_Left   | 21.33 | / | / | 17.83 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 21.37 | / | / | 17.87 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 21.58 | / | / | 18.08 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 22.69 | / | / | 19.19 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 22.26 | / | / | 18.76 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 22.3  | / | / | 18.8  | / | / | <=33 | Pass |
| CP-OFDM 64 QAM                                                                   | 2575 | Edge_1RB_Left   | 20.95 | / | / | 17.45 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 21.03 | / | / | 17.53 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 20.92 | / | / | 17.42 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 21.09 | / | / | 17.59 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 21.01 | / | / | 17.51 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 21.05 | / | / | 17.56 | / | / | <=33 | Pass |
|                                                                                  | 2595 | Edge_1RB_Left   | 20.94 | / | / | 17.44 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 21.11 | / | / | 17.61 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 20.98 | / | / | 17.49 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 21.13 | / | / | 17.63 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 20.99 | / | / | 17.49 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 21.17 | / | / | 17.67 | / | / | <=33 | Pass |
|                                                                                  | 2615 | Edge_1RB_Left   | 21.07 | / | / | 17.57 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 21    | / | / | 17.5  | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 21.05 | / | / | 17.55 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 21.19 | / | / | 17.69 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 21.05 | / | / | 17.55 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 21.16 | / | / | 17.66 | / | / | <=33 | Pass |
| CP-OFDM 256 QAM                                                                  | 2575 | Edge_1RB_Left   | 17.98 | / | / | 14.48 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 17.99 | / | / | 14.49 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 17.94 | / | / | 14.44 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 17.83 | / | / | 14.33 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 17.98 | / | / | 14.48 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 17.98 | / | / | 14.48 | / | / | <=33 | Pass |
|                                                                                  | 2595 | Edge_1RB_Left   | 17.95 | / | / | 14.45 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 18.11 | / | / | 14.61 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 17.97 | / | / | 14.47 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 17.84 | / | / | 14.34 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 18.04 | / | / | 14.54 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 18    | / | / | 14.5  | / | / | <=33 | Pass |
|                                                                                  | 2615 | Edge_1RB_Left   | 17.95 | / | / | 14.45 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 18.07 | / | / | 14.57 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 17.93 | / | / | 14.43 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 17.88 | / | / | 14.38 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 18    | / | / | 14.5  | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 18.05 | / | / | 14.55 | / | / | <=33 | Pass |
| Note1: Antenna Gain: Ant2: -3.50dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |      |                 |       |   |   |       |   |   |      |      |

## 1.1.2 30\_S\_15M\_NTNV\_EIRP

| 5G NR n38 SCS=30kHz SISO 15MHz NTNV |                 |                 |                      |       |     |           |       |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-----|-----------|-------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |     | EIRP(dBm) |       |     |       | Verdict |
|                                     |                 |                 | Ant2                 | Ant2* | Sum | Ant2      | Ant2* | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 2577.5          | Edge_1RB_Left   | 23.87                | /     | /   | 20.37     | /     | /   | <=33  | Pass    |
|                                     |                 | Edge_1RB_Right  | 24.03                | /     | /   | 20.53     | /     | /   | <=33  | Pass    |
|                                     |                 | Outer_Full      | 24.00                | /     | /   | 20.50     | /     | /   | <=33  | Pass    |
|                                     |                 | Inner_Full      | 24.45                | /     | /   | 20.95     | /     | /   | <=33  | Pass    |
|                                     |                 | Inner_1RB_Left  | 24.36                | /     | /   | 20.86     | /     | /   | <=33  | Pass    |
|                                     |                 | Inner_1RB_Right | 24.53                | /     | /   | 21.03     | /     | /   | <=33  | Pass    |
|                                     | 2595            | Edge_1RB_Left   | 23.99                | /     | /   | 20.49     | /     | /   | <=33  | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.94                | /     | /   | 20.44     | /     | /   | <=33  | Pass    |
|                                     |                 | Outer_Full      | 24.04                | /     | /   | 20.54     | /     | /   | <=33  | Pass    |
|                                     |                 | Inner_Full      | 24.45                | /     | /   | 20.96     | /     | /   | <=33  | Pass    |

|                    |        |                 |       |   |   |       |   |   |      |      |
|--------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |        | Inner_1RB_Left  | 24.48 | / | / | 20.98 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 24.46 | / | / | 20.96 | / | / | <=33 | Pass |
|                    | 2612.5 | Edge_1RB_Left   | 23.96 | / | / | 20.46 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 23.99 | / | / | 20.49 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 24.02 | / | / | 20.52 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 24.54 | / | / | 21.04 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 24.42 | / | / | 20.92 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 24.49 | / | / | 20.99 | / | / | <=33 | Pass |
| DFT-s-OFDM QPSK    | 2577.5 | Edge_1RB_Left   | 23.37 | / | / | 19.87 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 23.47 | / | / | 19.97 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 23.49 | / | / | 19.99 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 24.31 | / | / | 20.81 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 24.45 | / | / | 20.95 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 24.57 | / | / | 21.07 | / | / | <=33 | Pass |
|                    | 2595   | Edge_1RB_Left   | 23.55 | / | / | 20.05 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 23.60 | / | / | 20.10 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 23.45 | / | / | 19.95 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 24.36 | / | / | 20.87 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 24.52 | / | / | 21.03 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 24.52 | / | / | 21.02 | / | / | <=33 | Pass |
|                    | 2612.5 | Edge_1RB_Left   | 23.54 | / | / | 20.04 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 23.55 | / | / | 20.06 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 23.54 | / | / | 20.04 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 24.45 | / | / | 20.95 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 24.50 | / | / | 21.00 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 24.55 | / | / | 21.05 | / | / | <=33 | Pass |
| DFT-s-OFDM 16 QAM  | 2577.5 | Edge_1RB_Left   | 22.18 | / | / | 18.68 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 22.33 | / | / | 18.83 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 22.51 | / | / | 19.01 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 23.35 | / | / | 19.85 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 23.30 | / | / | 19.81 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 23.24 | / | / | 19.74 | / | / | <=33 | Pass |
|                    | 2595   | Edge_1RB_Left   | 22.29 | / | / | 18.79 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 22.31 | / | / | 18.81 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 22.53 | / | / | 19.03 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 23.42 | / | / | 19.92 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 23.41 | / | / | 19.91 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 23.27 | / | / | 19.77 | / | / | <=33 | Pass |
|                    | 2612.5 | Edge_1RB_Left   | 22.29 | / | / | 18.79 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 22.29 | / | / | 18.79 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 22.49 | / | / | 18.99 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 23.44 | / | / | 19.94 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 23.32 | / | / | 19.83 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 23.34 | / | / | 19.84 | / | / | <=33 | Pass |
| DFT-s-OFDM 64 QAM  | 2577.5 | Edge_1RB_Left   | 21.92 | / | / | 18.42 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 22.26 | / | / | 18.76 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 22.00 | / | / | 18.50 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 22.15 | / | / | 18.65 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 21.85 | / | / | 18.35 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 22.20 | / | / | 18.70 | / | / | <=33 | Pass |
|                    | 2595   | Edge_1RB_Left   | 21.93 | / | / | 18.43 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 22.21 | / | / | 18.71 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 22.07 | / | / | 18.57 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 21.96 | / | / | 18.47 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 21.90 | / | / | 18.40 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 21.89 | / | / | 18.39 | / | / | <=33 | Pass |
|                    | 2612.5 | Edge_1RB_Left   | 22.00 | / | / | 18.51 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 22.00 | / | / | 18.50 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 22.13 | / | / | 18.63 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 22.21 | / | / | 18.71 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 22.00 | / | / | 18.50 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 22.04 | / | / | 18.54 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 2577.5 | Edge_1RB_Left   | 19.93 | / | / | 16.43 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 20.06 | / | / | 16.56 | / | / | <=33 | Pass |

|                |        |                 |       |   |   |       |   |   |      |      |
|----------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                |        | Outer_Full      | 20.04 | / | / | 16.54 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.01 | / | / | 16.51 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 19.91 | / | / | 16.41 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 20.04 | / | / | 16.54 | / | / | <=33 | Pass |
|                | 2595   | Edge_1RB_Left   | 20.05 | / | / | 16.55 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 20.04 | / | / | 16.54 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 20.18 | / | / | 16.68 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.09 | / | / | 16.59 | / | / | <=33 | Pass |
|                | 2612.5 | Inner_1RB_Left  | 20.10 | / | / | 16.60 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 20.06 | / | / | 16.56 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Left   | 20.00 | / | / | 16.50 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 20.03 | / | / | 16.53 | / | / | <=33 | Pass |
| CP-OFDM QPSK   | 2577.5 | Outer_Full      | 20.13 | / | / | 16.63 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.07 | / | / | 16.57 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 20.05 | / | / | 16.55 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 20.11 | / | / | 16.61 | / | / | <=33 | Pass |
|                | 2595   | Edge_1RB_Left   | 21.44 | / | / | 17.94 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.57 | / | / | 18.07 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 18.10 | / | / | 14.60 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 22.96 | / | / | 19.46 | / | / | <=33 | Pass |
|                | 2612.5 | Inner_1RB_Left  | 22.86 | / | / | 19.36 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 22.94 | / | / | 19.44 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Left   | 21.55 | / | / | 18.05 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.61 | / | / | 18.11 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM | 2577.5 | Outer_Full      | 18.13 | / | / | 14.63 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 22.94 | / | / | 19.44 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 22.82 | / | / | 19.32 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 23.05 | / | / | 19.55 | / | / | <=33 | Pass |
|                | 2595   | Edge_1RB_Left   | 21.51 | / | / | 18.01 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.57 | / | / | 18.07 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 18.18 | / | / | 14.68 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 23.04 | / | / | 19.54 | / | / | <=33 | Pass |
|                | 2612.5 | Inner_1RB_Left  | 22.95 | / | / | 19.45 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 22.93 | / | / | 19.43 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Left   | 21.20 | / | / | 17.70 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.52 | / | / | 18.02 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM | 2577.5 | Outer_Full      | 21.50 | / | / | 18.00 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 22.55 | / | / | 19.05 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 22.07 | / | / | 18.57 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 22.24 | / | / | 18.74 | / | / | <=33 | Pass |
|                | 2595   | Edge_1RB_Left   | 21.35 | / | / | 17.85 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.29 | / | / | 17.79 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 21.52 | / | / | 18.02 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 22.45 | / | / | 18.95 | / | / | <=33 | Pass |
|                | 2612.5 | Inner_1RB_Left  | 22.24 | / | / | 18.74 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 22.26 | / | / | 18.76 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Left   | 21.19 | / | / | 17.69 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.53 | / | / | 18.03 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM | 2577.5 | Outer_Full      | 21.57 | / | / | 18.07 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 22.38 | / | / | 18.88 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 22.17 | / | / | 18.67 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 22.22 | / | / | 18.72 | / | / | <=33 | Pass |
|                | 2595   | Edge_1RB_Left   | 20.92 | / | / | 17.42 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.02 | / | / | 17.52 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 21.07 | / | / | 17.57 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.98 | / | / | 17.48 | / | / | <=33 | Pass |
|                | 2612.5 | Inner_1RB_Left  | 20.95 | / | / | 17.45 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.08 | / | / | 17.58 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Left   | 21.03 | / | / | 17.53 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.04 | / | / | 17.54 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM | 2577.5 | Outer_Full      | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.99 | / | / | 17.49 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 21.02 | / | / | 17.52 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                | 2595   | Edge_1RB_Left   | 20.92 | / | / | 17.42 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.02 | / | / | 17.52 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 21.07 | / | / | 17.57 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.98 | / | / | 17.48 | / | / | <=33 | Pass |
|                | 2612.5 | Inner_1RB_Left  | 20.95 | / | / | 17.45 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.08 | / | / | 17.58 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Left   | 21.03 | / | / | 17.53 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.04 | / | / | 17.54 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM | 2577.5 | Outer_Full      | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.99 | / | / | 17.49 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 21.02 | / | / | 17.52 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                | 2595   | Edge_1RB_Left   | 20.92 | / | / | 17.42 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.02 | / | / | 17.52 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 21.07 | / | / | 17.57 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.98 | / | / | 17.48 | / | / | <=33 | Pass |
|                | 2612.5 | Inner_1RB_Left  | 20.95 | / | / | 17.45 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.08 | / | / | 17.58 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Left   | 21.03 | / | / | 17.53 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.04 | / | / | 17.54 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM | 2577.5 | Outer_Full      | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.99 | / | / | 17.49 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 21.02 | / | / | 17.52 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                | 2595   | Edge_1RB_Left   | 20.92 | / | / | 17.42 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.02 | / | / | 17.52 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 21.07 | / | / | 17.57 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.98 | / | / | 17.48 | / | / | <=33 | Pass |
|                | 2612.5 | Inner_1RB_Left  | 20.95 | / | / | 17.45 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.08 | / | / | 17.58 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Left   | 21.03 | / | / | 17.53 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.04 | / | / | 17.54 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM | 2577.5 | Outer_Full      | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.99 | / | / | 17.49 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 21.02 | / | / | 17.52 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                | 2595   | Edge_1RB_Left   | 20.92 | / | / | 17.42 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.02 | / | / | 17.52 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 21.07 | / | / | 17.57 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.98 | / | / | 17.48 | / | / | <=33 | Pass |
|                | 2612.5 | Inner_1RB_Left  | 20.95 | / | / | 17.45 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.08 | / | / | 17.58 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Left   | 21.03 | / | / | 17.53 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 21.04 | / | / | 17.54 | / | / | <=33 | Pass |

|                                                                                  |        |                 |       |   |   |       |   |   |      |      |
|----------------------------------------------------------------------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                  | 2612.5 | Edge_1RB_Left   | 21.04 | / | / | 17.54 | / | / | <=33 | Pass |
|                                                                                  |        | Edge_1RB_Right  | 21.08 | / | / | 17.58 | / | / | <=33 | Pass |
|                                                                                  |        | Outer_Full      | 21.09 | / | / | 17.59 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_Full      | 21.05 | / | / | 17.55 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_1RB_Left  | 20.88 | / | / | 17.38 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_1RB_Right | 21.11 | / | / | 17.61 | / | / | <=33 | Pass |
| CP-OFDM 256 QAM                                                                  | 2577.5 | Edge_1RB_Left   | 17.78 | / | / | 14.28 | / | / | <=33 | Pass |
|                                                                                  |        | Edge_1RB_Right  | 17.96 | / | / | 14.46 | / | / | <=33 | Pass |
|                                                                                  |        | Outer_Full      | 18.08 | / | / | 14.58 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_Full      | 18.10 | / | / | 14.60 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_1RB_Left  | 17.82 | / | / | 14.32 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_1RB_Right | 17.95 | / | / | 14.45 | / | / | <=33 | Pass |
|                                                                                  | 2595   | Edge_1RB_Left   | 17.79 | / | / | 14.29 | / | / | <=33 | Pass |
|                                                                                  |        | Edge_1RB_Right  | 17.85 | / | / | 14.35 | / | / | <=33 | Pass |
|                                                                                  |        | Outer_Full      | 18.17 | / | / | 14.67 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_Full      | 18.08 | / | / | 14.58 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_1RB_Left  | 17.92 | / | / | 14.42 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_1RB_Right | 17.83 | / | / | 14.33 | / | / | <=33 | Pass |
|                                                                                  | 2612.5 | Edge_1RB_Left   | 17.87 | / | / | 14.37 | / | / | <=33 | Pass |
|                                                                                  |        | Edge_1RB_Right  | 17.94 | / | / | 14.44 | / | / | <=33 | Pass |
|                                                                                  |        | Outer_Full      | 18.15 | / | / | 14.65 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_Full      | 18.10 | / | / | 14.60 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_1RB_Left  | 17.89 | / | / | 14.39 | / | / | <=33 | Pass |
|                                                                                  |        | Inner_1RB_Right | 17.94 | / | / | 14.44 | / | / | <=33 | Pass |
| Note1: Antenna Gain: Ant2: -3.50dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |        |                 |       |   |   |       |   |   |      |      |

## 1.1.3 30\_S\_20M\_NTNV\_EIRP

| 5G NR n38 SCS=30kHz SISO 20MHz NTN |                 |                 |                      |       |     |           |       |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|-------|-----|-----------|-------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |     | EIRP(dBm) |       |     |       | Verdict |
|                                    |                 |                 | Ant2                 | Ant2* | Sum | Ant2      | Ant2* | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2580            | Edge_1RB_Left   | 23.85                | /     | /   | 20.35     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.01                | /     | /   | 20.51     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 24.00                | /     | /   | 20.50     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.56                | /     | /   | 21.06     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.32                | /     | /   | 20.82     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.51                | /     | /   | 21.01     | /     | /   | <=33  | Pass    |
|                                    | 2595            | Edge_1RB_Left   | 23.94                | /     | /   | 20.44     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.99                | /     | /   | 20.49     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 24.05                | /     | /   | 20.55     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.48                | /     | /   | 20.99     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.39                | /     | /   | 20.89     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.46                | /     | /   | 20.96     | /     | /   | <=33  | Pass    |
|                                    | 2610            | Edge_1RB_Left   | 23.96                | /     | /   | 20.47     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.99                | /     | /   | 20.49     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 24.04                | /     | /   | 20.54     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.47                | /     | /   | 20.97     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.36                | /     | /   | 20.86     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.45                | /     | /   | 20.95     | /     | /   | <=33  | Pass    |
| DFT-s-OFDM QPSK                    | 2580            | Edge_1RB_Left   | 23.38                | /     | /   | 19.88     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.54                | /     | /   | 20.04     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 23.44                | /     | /   | 19.94     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.47                | /     | /   | 20.97     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.35                | /     | /   | 20.85     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.55                | /     | /   | 21.06     | /     | /   | <=33  | Pass    |
|                                    | 2595            | Edge_1RB_Left   | 23.56                | /     | /   | 20.06     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.41                | /     | /   | 19.92     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 23.49                | /     | /   | 19.99     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.48                | /     | /   | 20.98     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.54                | /     | /   | 21.04     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.59                | /     | /   | 21.09     | /     | /   | <=33  | Pass    |

|                    |      |                 |       |   |   |       |   |   |      |      |
|--------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                    | 2610 | Edge_1RB_Left   | 23.49 | / | / | 19.99 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 23.52 | / | / | 20.02 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 23.51 | / | / | 20.01 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 24.45 | / | / | 20.95 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 24.47 | / | / | 20.97 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 24.48 | / | / | 20.98 | / | / | <=33 | Pass |
| DFT-s-OFDM 16 QAM  | 2580 | Edge_1RB_Left   | 22.19 | / | / | 18.69 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.46 | / | / | 18.96 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 22.53 | / | / | 19.03 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.48 | / | / | 19.98 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 23.24 | / | / | 19.74 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.28 | / | / | 19.78 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 22.36 | / | / | 18.86 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.48 | / | / | 18.98 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 22.58 | / | / | 19.08 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.49 | / | / | 19.99 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 23.24 | / | / | 19.74 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.37 | / | / | 19.87 | / | / | <=33 | Pass |
|                    | 2610 | Edge_1RB_Left   | 22.34 | / | / | 18.84 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.40 | / | / | 18.90 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 22.57 | / | / | 19.07 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.50 | / | / | 20.00 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 23.29 | / | / | 19.79 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.41 | / | / | 19.91 | / | / | <=33 | Pass |
| DFT-s-OFDM 64 QAM  | 2580 | Edge_1RB_Left   | 21.90 | / | / | 18.40 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.07 | / | / | 18.57 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 21.94 | / | / | 18.44 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.07 | / | / | 18.58 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 21.92 | / | / | 18.42 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.03 | / | / | 18.53 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 22.02 | / | / | 18.52 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.22 | / | / | 18.72 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 22.09 | / | / | 18.59 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.16 | / | / | 18.66 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.19 | / | / | 18.69 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.21 | / | / | 18.71 | / | / | <=33 | Pass |
|                    | 2610 | Edge_1RB_Left   | 22.03 | / | / | 18.53 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.01 | / | / | 18.51 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 22.03 | / | / | 18.53 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.17 | / | / | 18.67 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 21.98 | / | / | 18.48 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 21.95 | / | / | 18.45 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 2580 | Edge_1RB_Left   | 19.92 | / | / | 16.42 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.08 | / | / | 16.58 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 20.12 | / | / | 16.62 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 20.07 | / | / | 16.57 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 19.93 | / | / | 16.43 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.06 | / | / | 16.56 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 19.96 | / | / | 16.47 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.03 | / | / | 16.53 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 20.13 | / | / | 16.63 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 20.06 | / | / | 16.56 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 20.00 | / | / | 16.50 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.08 | / | / | 16.58 | / | / | <=33 | Pass |
|                    | 2610 | Edge_1RB_Left   | 19.94 | / | / | 16.44 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.03 | / | / | 16.53 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 20.17 | / | / | 16.67 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 20.07 | / | / | 16.57 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 19.91 | / | / | 16.41 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.03 | / | / | 16.53 | / | / | <=33 | Pass |
| CP-OFDM QPSK       | 2580 | Edge_1RB_Left   | 21.49 | / | / | 17.99 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.63 | / | / | 18.13 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 18.17 | / | / | 14.67 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.97 | / | / | 19.47 | / | / | <=33 | Pass |

|                 |      |                 |       |   |   |       |   |   |      |      |
|-----------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                 |      | Inner_1RB_Left  | 22.80 | / | / | 19.30 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 23.05 | / | / | 19.55 | / | / | <=33 | Pass |
|                 | 2595 | Edge_1RB_Left   | 21.49 | / | / | 17.99 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 21.62 | / | / | 18.12 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 18.17 | / | / | 14.67 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 23.08 | / | / | 19.58 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 22.92 | / | / | 19.42 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 22.92 | / | / | 19.42 | / | / | <=33 | Pass |
|                 | 2610 | Edge_1RB_Left   | 21.48 | / | / | 17.98 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 21.54 | / | / | 18.04 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 18.19 | / | / | 14.69 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 22.97 | / | / | 19.47 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 22.85 | / | / | 19.35 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 23.01 | / | / | 19.51 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM  | 2580 | Edge_1RB_Left   | 21.27 | / | / | 17.77 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 21.44 | / | / | 17.94 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 21.55 | / | / | 18.05 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 22.46 | / | / | 18.96 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 22.09 | / | / | 18.59 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 22.24 | / | / | 18.74 | / | / | <=33 | Pass |
|                 | 2595 | Edge_1RB_Left   | 21.24 | / | / | 17.74 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 21.52 | / | / | 18.02 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 21.54 | / | / | 18.04 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 22.69 | / | / | 19.19 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 22.18 | / | / | 18.68 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 22.30 | / | / | 18.80 | / | / | <=33 | Pass |
|                 | 2610 | Edge_1RB_Left   | 21.42 | / | / | 17.92 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 21.55 | / | / | 18.05 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 21.50 | / | / | 18.01 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 22.66 | / | / | 19.16 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 22.15 | / | / | 18.65 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 22.30 | / | / | 18.80 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM  | 2580 | Edge_1RB_Left   | 20.91 | / | / | 17.41 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 21.08 | / | / | 17.58 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 21.07 | / | / | 17.57 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 21.06 | / | / | 17.56 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 20.86 | / | / | 17.36 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 21.08 | / | / | 17.58 | / | / | <=33 | Pass |
|                 | 2595 | Edge_1RB_Left   | 20.99 | / | / | 17.49 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 21.04 | / | / | 17.54 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 21.12 | / | / | 17.62 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 21.16 | / | / | 17.66 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 20.99 | / | / | 17.49 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 21.05 | / | / | 17.55 | / | / | <=33 | Pass |
|                 | 2610 | Edge_1RB_Left   | 20.93 | / | / | 17.43 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 21.06 | / | / | 17.56 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 21.09 | / | / | 17.59 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 21.11 | / | / | 17.61 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 20.92 | / | / | 17.42 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 21.06 | / | / | 17.56 | / | / | <=33 | Pass |
| CP-OFDM 256 QAM | 2580 | Edge_1RB_Left   | 17.79 | / | / | 14.29 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 18.00 | / | / | 14.50 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 18.16 | / | / | 14.66 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 18.07 | / | / | 14.57 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 17.82 | / | / | 14.32 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 17.98 | / | / | 14.48 | / | / | <=33 | Pass |
|                 | 2595 | Edge_1RB_Left   | 17.83 | / | / | 14.33 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 17.95 | / | / | 14.45 | / | / | <=33 | Pass |
|                 |      | Outer_Full      | 18.15 | / | / | 14.65 | / | / | <=33 | Pass |
|                 |      | Inner_Full      | 18.09 | / | / | 14.59 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Left  | 17.82 | / | / | 14.32 | / | / | <=33 | Pass |
|                 |      | Inner_1RB_Right | 17.94 | / | / | 14.44 | / | / | <=33 | Pass |
|                 | 2610 | Edge_1RB_Left   | 17.87 | / | / | 14.37 | / | / | <=33 | Pass |
|                 |      | Edge_1RB_Right  | 17.93 | / | / | 14.43 | / | / | <=33 | Pass |

|                                                                                  |  |                 |       |   |   |       |   |   |      |      |
|----------------------------------------------------------------------------------|--|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                  |  | Outer_Full      | 18.17 | / | / | 14.67 | / | / | <=33 | Pass |
|                                                                                  |  | Inner_Full      | 18.13 | / | / | 14.63 | / | / | <=33 | Pass |
|                                                                                  |  | Inner_1RB_Left  | 17.87 | / | / | 14.37 | / | / | <=33 | Pass |
|                                                                                  |  | Inner_1RB_Right | 18.01 | / | / | 14.51 | / | / | <=33 | Pass |
| Note1: Antenna Gain: Ant2: -3.50dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |   |   |       |   |   |      |      |

## 1.1.4 30\_S\_30M\_NTNV\_EIRP

| 5G NR n38 SCS=30kHz SISO 30MHz NTN |                 |                 |                      |       |     |           |       |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|-------|-----|-----------|-------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |     | EIRP(dBm) |       |     |       | Verdict |
|                                    |                 |                 | Ant2                 | Ant2* | Sum | Ant2      | Ant2* | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2585            | Edge_1RB_Left   | 23.88                | /     | /   | 20.38     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.05                | /     | /   | 20.55     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 24.16                | /     | /   | 20.67     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.63                | /     | /   | 21.13     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.43                | /     | /   | 20.93     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.54                | /     | /   | 21.04     | /     | /   | <=33  | Pass    |
|                                    | 2595            | Edge_1RB_Left   | 24.01                | /     | /   | 20.51     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.05                | /     | /   | 20.55     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 24.13                | /     | /   | 20.63     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.60                | /     | /   | 21.10     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.52                | /     | /   | 21.02     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.51                | /     | /   | 21.01     | /     | /   | <=33  | Pass    |
|                                    | 2605            | Edge_1RB_Left   | 24.00                | /     | /   | 20.50     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.08                | /     | /   | 20.58     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 24.16                | /     | /   | 20.67     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.59                | /     | /   | 21.09     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.45                | /     | /   | 20.95     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.60                | /     | /   | 21.10     | /     | /   | <=33  | Pass    |
| DFT-s-OFDM QPSK                    | 2585            | Edge_1RB_Left   | 23.48                | /     | /   | 19.98     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.65                | /     | /   | 20.15     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 23.56                | /     | /   | 20.06     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.47                | /     | /   | 20.97     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.41                | /     | /   | 20.91     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.66                | /     | /   | 21.16     | /     | /   | <=33  | Pass    |
|                                    | 2595            | Edge_1RB_Left   | 23.65                | /     | /   | 20.15     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.62                | /     | /   | 20.12     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 23.56                | /     | /   | 20.06     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.46                | /     | /   | 20.96     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.56                | /     | /   | 21.06     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.64                | /     | /   | 21.14     | /     | /   | <=33  | Pass    |
|                                    | 2605            | Edge_1RB_Left   | 23.57                | /     | /   | 20.07     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.64                | /     | /   | 20.14     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 23.60                | /     | /   | 20.10     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.48                | /     | /   | 20.98     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.51                | /     | /   | 21.01     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.68                | /     | /   | 21.19     | /     | /   | <=33  | Pass    |
| DFT-s-OFDM 16 QAM                  | 2585            | Edge_1RB_Left   | 22.26                | /     | /   | 18.76     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.29                | /     | /   | 18.79     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 22.60                | /     | /   | 19.10     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 23.55                | /     | /   | 20.05     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.18                | /     | /   | 19.68     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 23.33                | /     | /   | 19.83     | /     | /   | <=33  | Pass    |
|                                    | 2595            | Edge_1RB_Left   | 22.34                | /     | /   | 18.84     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.36                | /     | /   | 18.86     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 22.62                | /     | /   | 19.12     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 23.51                | /     | /   | 20.01     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.25                | /     | /   | 19.75     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 23.27                | /     | /   | 19.77     | /     | /   | <=33  | Pass    |
|                                    | 2605            | Edge_1RB_Left   | 22.35                | /     | /   | 18.85     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.41                | /     | /   | 18.91     | /     | /   | <=33  | Pass    |

|                    |      |                 |       |   |   |       |   |   |      |      |
|--------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM 64 QAM  |      | Outer_Full      | 22.64 | / | / | 19.14 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.56 | / | / | 20.06 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 23.30 | / | / | 19.80 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.46 | / | / | 19.96 | / | / | <=33 | Pass |
|                    | 2585 | Edge_1RB_Left   | 21.88 | / | / | 18.38 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.10 | / | / | 18.60 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 22.08 | / | / | 18.58 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.18 | / | / | 18.68 | / | / | <=33 | Pass |
|                    | 2595 | Inner_1RB_Left  | 21.91 | / | / | 18.41 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.14 | / | / | 18.64 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Left   | 22.07 | / | / | 18.57 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.01 | / | / | 18.51 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 2585 | Outer_Full      | 22.22 | / | / | 18.72 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.21 | / | / | 18.71 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.03 | / | / | 18.53 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.14 | / | / | 18.64 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 21.98 | / | / | 18.48 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 22.31 | / | / | 18.81 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 22.22 | / | / | 18.72 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.14 | / | / | 18.64 | / | / | <=33 | Pass |
|                    | 2605 | Inner_1RB_Left  | 22.26 | / | / | 18.76 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.13 | / | / | 18.63 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Left   | 19.92 | / | / | 16.42 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.08 | / | / | 16.58 | / | / | <=33 | Pass |
| CP-OFDM QPSK       | 2585 | Outer_Full      | 20.18 | / | / | 16.68 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 20.22 | / | / | 16.72 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 19.95 | / | / | 16.45 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.16 | / | / | 16.66 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 20.02 | / | / | 16.52 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.10 | / | / | 16.60 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 20.20 | / | / | 16.70 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 20.22 | / | / | 16.72 | / | / | <=33 | Pass |
|                    | 2605 | Inner_1RB_Left  | 19.98 | / | / | 16.48 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.09 | / | / | 16.59 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Left   | 20.03 | / | / | 16.53 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.20 | / | / | 16.70 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM     | 2585 | Outer_Full      | 20.19 | / | / | 16.69 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 20.18 | / | / | 16.68 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 20.07 | / | / | 16.57 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.15 | / | / | 16.65 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 21.41 | / | / | 17.91 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.59 | / | / | 18.09 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 18.20 | / | / | 14.70 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.01 | / | / | 19.51 | / | / | <=33 | Pass |
|                    | 2605 | Inner_1RB_Left  | 22.81 | / | / | 19.31 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.03 | / | / | 19.53 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Left   | 21.50 | / | / | 18.00 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.62 | / | / | 18.12 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM     | 2585 | Outer_Full      | 18.14 | / | / | 14.65 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.03 | / | / | 19.53 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 23.02 | / | / | 19.52 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.13 | / | / | 19.63 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 21.60 | / | / | 18.10 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.69 | / | / | 18.19 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 18.21 | / | / | 14.71 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.17 | / | / | 19.67 | / | / | <=33 | Pass |
|                    | 2605 | Inner_1RB_Left  | 22.93 | / | / | 19.43 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.04 | / | / | 19.54 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Left   | 21.38 | / | / | 17.88 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.35 | / | / | 17.85 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM     | 2585 | Outer_Full      | 21.63 | / | / | 18.13 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.61 | / | / | 19.11 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.15 | / | / | 18.65 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.31 | / | / | 18.81 | / | / | <=33 | Pass |

|                                                                                  |      |                 |       |   |   |       |   |   |      |      |
|----------------------------------------------------------------------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                  | 2595 | Edge_1RB_Left   | 21.31 | / | / | 17.81 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 21.56 | / | / | 18.06 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 21.63 | / | / | 18.13 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 22.61 | / | / | 19.11 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 22.25 | / | / | 18.75 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 22.37 | / | / | 18.87 | / | / | <=33 | Pass |
|                                                                                  | 2605 | Edge_1RB_Left   | 21.49 | / | / | 17.99 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 21.50 | / | / | 18.00 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 21.62 | / | / | 18.12 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 22.56 | / | / | 19.06 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 22.26 | / | / | 18.76 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 22.33 | / | / | 18.83 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM                                                                   | 2585 | Edge_1RB_Left   | 20.85 | / | / | 17.35 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 21.06 | / | / | 17.56 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 21.20 | / | / | 17.70 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 21.06 | / | / | 17.56 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 21.16 | / | / | 17.66 | / | / | <=33 | Pass |
|                                                                                  | 2595 | Edge_1RB_Left   | 21.00 | / | / | 17.50 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 21.16 | / | / | 17.66 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 21.17 | / | / | 17.67 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 21.16 | / | / | 17.66 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 20.87 | / | / | 17.37 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 21.19 | / | / | 17.69 | / | / | <=33 | Pass |
|                                                                                  | 2605 | Edge_1RB_Left   | 20.96 | / | / | 17.46 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 21.18 | / | / | 17.68 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 21.18 | / | / | 17.68 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 21.18 | / | / | 17.68 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 21.11 | / | / | 17.61 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 21.08 | / | / | 17.58 | / | / | <=33 | Pass |
| CP-OFDM 256 QAM                                                                  | 2585 | Edge_1RB_Left   | 17.75 | / | / | 14.25 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 17.98 | / | / | 14.48 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 18.20 | / | / | 14.70 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 18.20 | / | / | 14.70 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 17.85 | / | / | 14.35 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 18.00 | / | / | 14.50 | / | / | <=33 | Pass |
|                                                                                  | 2595 | Edge_1RB_Left   | 17.82 | / | / | 14.32 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 17.94 | / | / | 14.44 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 18.21 | / | / | 14.71 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 18.16 | / | / | 14.66 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 17.78 | / | / | 14.28 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 17.98 | / | / | 14.48 | / | / | <=33 | Pass |
|                                                                                  | 2605 | Edge_1RB_Left   | 17.90 | / | / | 14.40 | / | / | <=33 | Pass |
|                                                                                  |      | Edge_1RB_Right  | 18.00 | / | / | 14.50 | / | / | <=33 | Pass |
|                                                                                  |      | Outer_Full      | 18.19 | / | / | 14.69 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_Full      | 18.22 | / | / | 14.72 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Left  | 17.95 | / | / | 14.45 | / | / | <=33 | Pass |
|                                                                                  |      | Inner_1RB_Right | 17.94 | / | / | 14.44 | / | / | <=33 | Pass |
| Note1: Antenna Gain: Ant2: -3.50dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |      |                 |       |   |   |       |   |   |      |      |

## 1.1.5 30\_S\_40M\_NTNV\_EIRP

| 5G NR n38 SCS=30kHz SISO 40MHz NTN |                 |                 |                      |       |     |           |       |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|-------|-----|-----------|-------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |     | EIRP(dBm) |       |     |       | Verdict |
|                                    |                 |                 | Ant2                 | Ant2* | Sum | Ant2      | Ant2* | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2590            | Edge_1RB_Left   | 23.99                | /     | /   | 20.49     | /     | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.16                | /     | /   | 20.66     | /     | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 24.13                | /     | /   | 20.63     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 24.58                | /     | /   | 21.08     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.43                | /     | /   | 20.93     | /     | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 24.58                | /     | /   | 21.08     | /     | /   | <=33  | Pass    |

|                   |      |                 |       |   |   |       |   |   |      |      |
|-------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                   | 2595 | Edge_1RB_Left   | 23.93 | / | / | 20.43 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 24.19 | / | / | 20.69 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 24.07 | / | / | 20.57 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 24.66 | / | / | 21.16 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 24.45 | / | / | 20.95 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 24.60 | / | / | 21.10 | / | / | <=33 | Pass |
|                   | 2600 | Edge_1RB_Left   | 24.09 | / | / | 20.59 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 24.14 | / | / | 20.64 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 24.13 | / | / | 20.63 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 24.59 | / | / | 21.09 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 24.54 | / | / | 21.04 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 24.57 | / | / | 21.07 | / | / | <=33 | Pass |
| DFT-s-OFDM QPSK   | 2590 | Edge_1RB_Left   | 23.51 | / | / | 20.01 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 23.73 | / | / | 20.23 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 23.56 | / | / | 20.06 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 24.51 | / | / | 21.01 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 24.44 | / | / | 20.94 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 24.77 | / | / | 21.27 | / | / | <=33 | Pass |
|                   | 2595 | Edge_1RB_Left   | 23.56 | / | / | 20.06 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 23.73 | / | / | 20.23 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 23.56 | / | / | 20.06 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 24.57 | / | / | 21.07 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 24.51 | / | / | 21.01 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 24.76 | / | / | 21.26 | / | / | <=33 | Pass |
|                   | 2600 | Edge_1RB_Left   | 23.64 | / | / | 20.14 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 23.68 | / | / | 20.18 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 23.62 | / | / | 20.12 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 24.62 | / | / | 21.12 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 24.65 | / | / | 21.15 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 24.74 | / | / | 21.24 | / | / | <=33 | Pass |
| DFT-s-OFDM 16 QAM | 2590 | Edge_1RB_Left   | 22.31 | / | / | 18.81 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 22.53 | / | / | 19.03 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 22.59 | / | / | 19.09 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 23.53 | / | / | 20.03 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 23.25 | / | / | 19.76 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 23.54 | / | / | 20.04 | / | / | <=33 | Pass |
|                   | 2595 | Edge_1RB_Left   | 22.34 | / | / | 18.84 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 22.47 | / | / | 18.97 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 22.67 | / | / | 19.17 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 23.61 | / | / | 20.11 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 23.17 | / | / | 19.67 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 23.44 | / | / | 19.94 | / | / | <=33 | Pass |
|                   | 2600 | Edge_1RB_Left   | 22.34 | / | / | 18.84 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 22.50 | / | / | 19.00 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 22.66 | / | / | 19.16 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 23.54 | / | / | 20.04 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 23.25 | / | / | 19.75 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 23.54 | / | / | 20.04 | / | / | <=33 | Pass |
| DFT-s-OFDM 64 QAM | 2590 | Edge_1RB_Left   | 22.00 | / | / | 18.50 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 22.20 | / | / | 18.70 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 22.12 | / | / | 18.62 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 22.11 | / | / | 18.61 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 22.01 | / | / | 18.51 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 22.24 | / | / | 18.74 | / | / | <=33 | Pass |
|                   | 2595 | Edge_1RB_Left   | 22.03 | / | / | 18.53 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 22.24 | / | / | 18.74 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 22.20 | / | / | 18.70 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 22.13 | / | / | 18.63 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Left  | 22.11 | / | / | 18.61 | / | / | <=33 | Pass |
|                   |      | Inner_1RB_Right | 22.21 | / | / | 18.72 | / | / | <=33 | Pass |
|                   | 2600 | Edge_1RB_Left   | 22.16 | / | / | 18.66 | / | / | <=33 | Pass |
|                   |      | Edge_1RB_Right  | 22.15 | / | / | 18.65 | / | / | <=33 | Pass |
|                   |      | Outer_Full      | 22.07 | / | / | 18.57 | / | / | <=33 | Pass |
|                   |      | Inner_Full      | 22.12 | / | / | 18.62 | / | / | <=33 | Pass |

|                    |      |                 |       |   |   |       |   |   |      |      |
|--------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |      | Inner_1RB_Left  | 22.18 | / | / | 18.68 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.26 | / | / | 18.76 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 2590 | Edge_1RB_Left   | 20.02 | / | / | 16.52 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.14 | / | / | 16.64 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 20.14 | / | / | 16.64 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 20.25 | / | / | 16.75 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 19.94 | / | / | 16.44 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.17 | / | / | 16.67 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 19.99 | / | / | 16.49 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.19 | / | / | 16.69 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 20.21 | / | / | 16.71 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 20.21 | / | / | 16.71 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 20.03 | / | / | 16.53 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.08 | / | / | 16.58 | / | / | <=33 | Pass |
|                    | 2600 | Edge_1RB_Left   | 20.04 | / | / | 16.54 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 20.18 | / | / | 16.68 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 20.21 | / | / | 16.71 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 20.23 | / | / | 16.73 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 19.97 | / | / | 16.47 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 20.15 | / | / | 16.65 | / | / | <=33 | Pass |
| CP-OFDM QPSK       | 2590 | Edge_1RB_Left   | 21.51 | / | / | 18.01 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.72 | / | / | 18.22 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 18.16 | / | / | 14.66 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.02 | / | / | 19.52 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.89 | / | / | 19.39 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.15 | / | / | 19.65 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 21.51 | / | / | 18.01 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.68 | / | / | 18.18 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 18.15 | / | / | 14.65 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.03 | / | / | 19.53 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.88 | / | / | 19.38 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.13 | / | / | 19.63 | / | / | <=33 | Pass |
|                    | 2600 | Edge_1RB_Left   | 21.51 | / | / | 18.01 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.76 | / | / | 18.26 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 18.14 | / | / | 14.64 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 23.00 | / | / | 19.50 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.98 | / | / | 19.49 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 23.27 | / | / | 19.77 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM     | 2590 | Edge_1RB_Left   | 21.41 | / | / | 17.91 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.56 | / | / | 18.06 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 21.61 | / | / | 18.11 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.54 | / | / | 19.04 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.21 | / | / | 18.71 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.36 | / | / | 18.86 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 21.21 | / | / | 17.71 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.51 | / | / | 18.01 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 21.61 | / | / | 18.11 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.59 | / | / | 19.09 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.17 | / | / | 18.67 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.45 | / | / | 18.95 | / | / | <=33 | Pass |
|                    | 2600 | Edge_1RB_Left   | 21.35 | / | / | 17.85 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.42 | / | / | 17.92 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 21.64 | / | / | 18.14 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 22.79 | / | / | 19.29 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 22.29 | / | / | 18.79 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 22.40 | / | / | 18.90 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM     | 2590 | Edge_1RB_Left   | 20.93 | / | / | 17.43 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.15 | / | / | 17.65 | / | / | <=33 | Pass |
|                    |      | Outer_Full      | 21.16 | / | / | 17.66 | / | / | <=33 | Pass |
|                    |      | Inner_Full      | 21.18 | / | / | 17.68 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Left  | 20.99 | / | / | 17.49 | / | / | <=33 | Pass |
|                    |      | Inner_1RB_Right | 21.18 | / | / | 17.68 | / | / | <=33 | Pass |
|                    | 2595 | Edge_1RB_Left   | 20.96 | / | / | 17.46 | / | / | <=33 | Pass |
|                    |      | Edge_1RB_Right  | 21.19 | / | / | 17.69 | / | / | <=33 | Pass |

|                                          |      |                 |       |   |   |       |   |   |      |      |
|------------------------------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                                          |      | Outer_Full      | 21.18 | / | / | 17.68 | / | / | <=33 | Pass |
|                                          |      | Inner_Full      | 21.14 | / | / | 17.64 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Left  | 21.04 | / | / | 17.54 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Right | 21.13 | / | / | 17.63 | / | / | <=33 | Pass |
|                                          | 2600 | Edge_1RB_Left   | 20.91 | / | / | 17.41 | / | / | <=33 | Pass |
|                                          |      | Edge_1RB_Right  | 21.13 | / | / | 17.63 | / | / | <=33 | Pass |
|                                          |      | Outer_Full      | 21.14 | / | / | 17.64 | / | / | <=33 | Pass |
|                                          |      | Inner_Full      | 21.12 | / | / | 17.62 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Left  | 21.05 | / | / | 17.55 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Right | 21.06 | / | / | 17.56 | / | / | <=33 | Pass |
| CP-OFDM 256 QAM                          | 2590 | Edge_1RB_Left   | 17.84 | / | / | 14.35 | / | / | <=33 | Pass |
|                                          |      | Edge_1RB_Right  | 18.07 | / | / | 14.57 | / | / | <=33 | Pass |
|                                          |      | Outer_Full      | 18.17 | / | / | 14.67 | / | / | <=33 | Pass |
|                                          |      | Inner_Full      | 18.18 | / | / | 14.68 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Left  | 17.82 | / | / | 14.32 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Right | 17.97 | / | / | 14.47 | / | / | <=33 | Pass |
|                                          | 2595 | Edge_1RB_Left   | 17.88 | / | / | 14.38 | / | / | <=33 | Pass |
|                                          |      | Edge_1RB_Right  | 18.01 | / | / | 14.51 | / | / | <=33 | Pass |
|                                          |      | Outer_Full      | 18.21 | / | / | 14.71 | / | / | <=33 | Pass |
|                                          |      | Inner_Full      | 18.15 | / | / | 14.65 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Left  | 17.88 | / | / | 14.38 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Right | 17.99 | / | / | 14.49 | / | / | <=33 | Pass |
|                                          | 2600 | Edge_1RB_Left   | 17.85 | / | / | 14.35 | / | / | <=33 | Pass |
|                                          |      | Edge_1RB_Right  | 17.96 | / | / | 14.46 | / | / | <=33 | Pass |
|                                          |      | Outer_Full      | 18.18 | / | / | 14.68 | / | / | <=33 | Pass |
|                                          |      | Inner_Full      | 18.12 | / | / | 14.62 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Left  | 17.78 | / | / | 14.28 | / | / | <=33 | Pass |
|                                          |      | Inner_1RB_Right | 18.02 | / | / | 14.52 | / | / | <=33 | Pass |
| Note1: Antenna Gain: Ant2: -3.50dBi;     |      |                 |       |   |   |       |   |   |      |      |
| Note2: EIRP=Conducted Power+Antenna Gain |      |                 |       |   |   |       |   |   |      |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 30\_S\_40M

| 5G NR n38 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 QPSK                | 2595            | Outer_Full    | 20         | LV    | -3.21            | -0.0012               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -7.05            | -0.0027               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -10.09           | -0.0039               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -4.18            | -0.0016               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -6.00            | -0.0023               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -1.12            | -0.0004               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -5.97            | -0.0023               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -4.62            | -0.0018               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -4.36            | -0.0017               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -4.40            | -0.0017               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | -6.69            | -0.0026               | >=-2.5 & <=2.5 | Pass    |

## 3. 99% & 26dB Bandwidth

### 3.1 Test Result

#### 3.1.1 30\_S\_10M\_NTNV

| 5G NR n38 SCS=30kHz SISO 10MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 2595            | Outer_Full    | 8.65                | 9.50                 | /           | Pass    |
| DFT-s-OFDM QPSK                    | 2595            | Outer_Full    | 8.66                | 9.51                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 2595            | Outer_Full    | 8.66                | 9.54                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 2595            | Outer_Full    | 8.68                | 9.47                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 2595            | Outer_Full    | 8.73                | 9.65                 | /           | Pass    |
| CP-OFDM QPSK                       | 2595            | Outer_Full    | 8.66                | 9.53                 | /           | Pass    |
| CP-OFDM 16 QAM                     | 2595            | Outer_Full    | 8.72                | 9.56                 | /           | Pass    |
| CP-OFDM 64 QAM                     | 2595            | Outer_Full    | 8.68                | 9.56                 | /           | Pass    |
| CP-OFDM 256 QAM                    | 2595            | Outer_Full    | 8.69                | 9.47                 | /           | Pass    |

## 3.1.2 30\_S\_15M\_NTNV

| 5G NR n38 SCS=30kHz SISO 15MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 2595            | Outer_Full    | 13.00               | 14.12                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 2595            | Outer_Full    | 13.01               | 14.13                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 2595            | Outer_Full    | 13.04               | 14.05                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 2595            | Outer_Full    | 13.06               | 14.28                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 2595            | Outer_Full    | 13.05               | 14.03                | /           | Pass    |
| CP-OFDM QPSK                       | 2595            | Outer_Full    | 13.73               | 14.78                | /           | Pass    |
| CP-OFDM 16 QAM                     | 2595            | Outer_Full    | 13.71               | 14.85                | /           | Pass    |
| CP-OFDM 64 QAM                     | 2595            | Outer_Full    | 13.69               | 14.99                | /           | Pass    |
| CP-OFDM 256 QAM                    | 2595            | Outer_Full    | 13.69               | 14.74                | /           | Pass    |

## 3.1.3 30\_S\_20M\_NTNV

| 5G NR n38 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               | 2595            | Outer_Full    | 18.08               | 19.36                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 2595            | Outer_Full    | 18.08               | 19.48                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 2595            | Outer_Full    | 18.07               | 19.44                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 2595            | Outer_Full    | 18.12               | 19.42                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 2595            | Outer_Full    | 18.08               | 19.30                | /           | Pass    |
| CP-OFDM QPSK                       | 2595            | Outer_Full    | 18.38               | 19.78                | /           | Pass    |
| CP-OFDM 16 QAM                     | 2595            | Outer_Full    | 18.43               | 19.79                | /           | Pass    |
| CP-OFDM 64 QAM                     | 2595            | Outer_Full    | 18.41               | 19.75                | /           | Pass    |
| CP-OFDM 256 QAM                    | 2595            | Outer_Full    | 18.31               | 19.66                | /           | Pass    |

## 3.1.4 30\_S\_30M\_NTNV

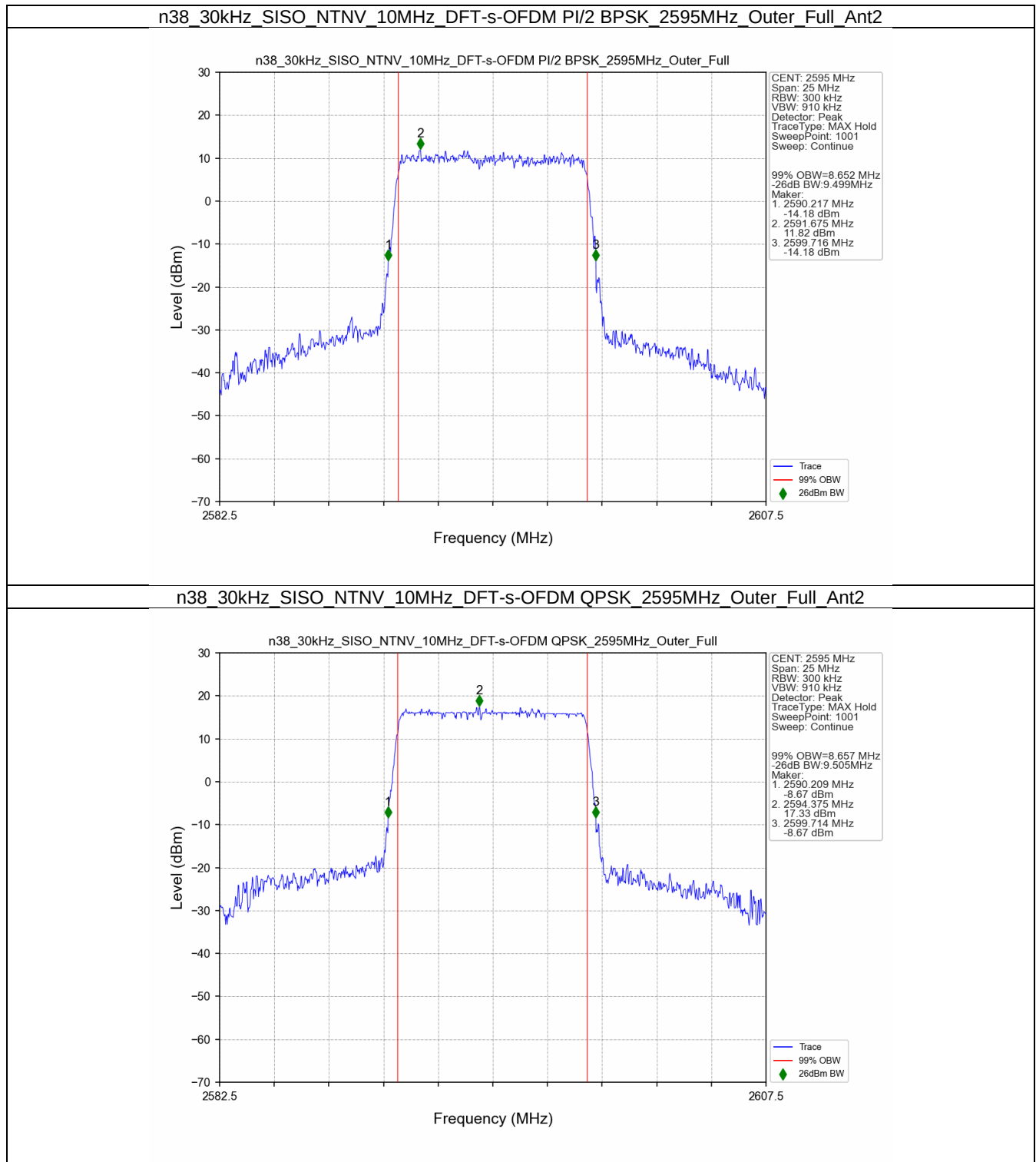
| 5G NR n38 SCS=30kHz SISO 30MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 2595            | Outer_Full    | 27.01               | 29.00                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 2595            | Outer_Full    | 27.00               | 29.05                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 2595            | Outer_Full    | 27.06               | 29.16                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 2595            | Outer_Full    | 27.12               | 29.05                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 2595            | Outer_Full    | 27.10               | 29.20                | /           | Pass    |
| CP-OFDM QPSK                       | 2595            | Outer_Full    | 28.10               | 30.16                | /           | Pass    |
| CP-OFDM 16 QAM                     | 2595            | Outer_Full    | 28.08               | 30.09                | /           | Pass    |
| CP-OFDM 64 QAM                     | 2595            | Outer_Full    | 28.07               | 30.05                | /           | Pass    |
| CP-OFDM 256 QAM                    | 2595            | Outer_Full    | 28.00               | 30.16                | /           | Pass    |

## 3.1.5 30\_S\_40M\_NTNV

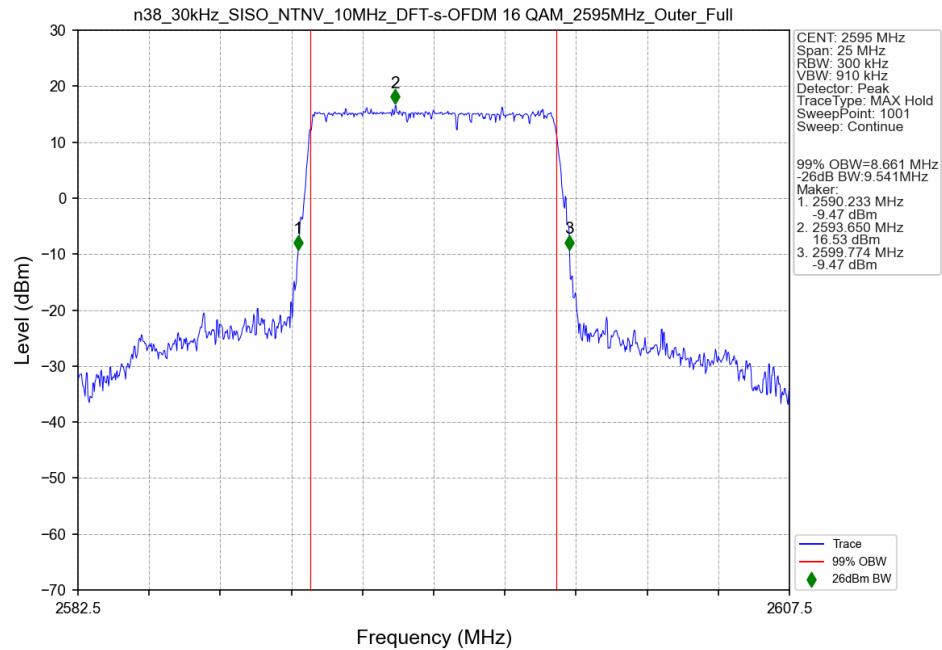
| 5G NR n38 SCS=30kHz SISO 40MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 2595            | Outer Full    | 36.02               | 38.62                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 2595            | Outer Full    | 36.13               | 38.64                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 2595            | Outer Full    | 35.99               | 38.68                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 2595            | Outer Full    | 36.05               | 38.65                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 2595            | Outer Full    | 35.98               | 38.67                | /           | Pass    |
| CP-OFDM QPSK                       | 2595            | Outer Full    | 38.05               | 40.61                | /           | Pass    |
| CP-OFDM 16 QAM                     | 2595            | Outer Full    | 38.12               | 40.81                | /           | Pass    |
| CP-OFDM 64 QAM                     | 2595            | Outer Full    | 38.11               | 40.81                | /           | Pass    |
| CP-OFDM 256 QAM                    | 2595            | Outer Full    | 37.98               | 40.70                | /           | Pass    |

## 3.2 Test Graph

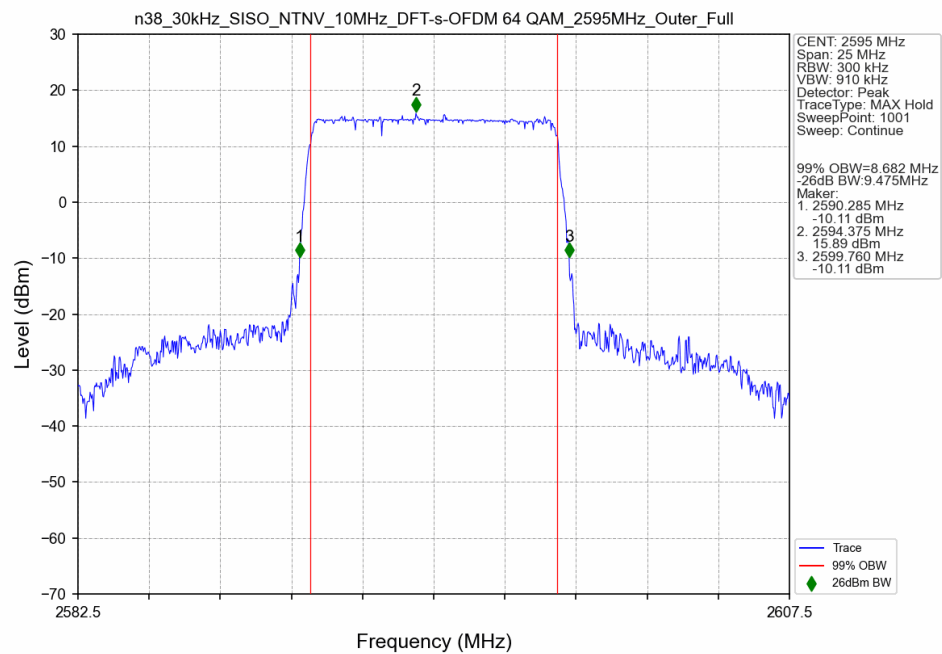
## 3.2.1 30\_S\_10M\_NTNV



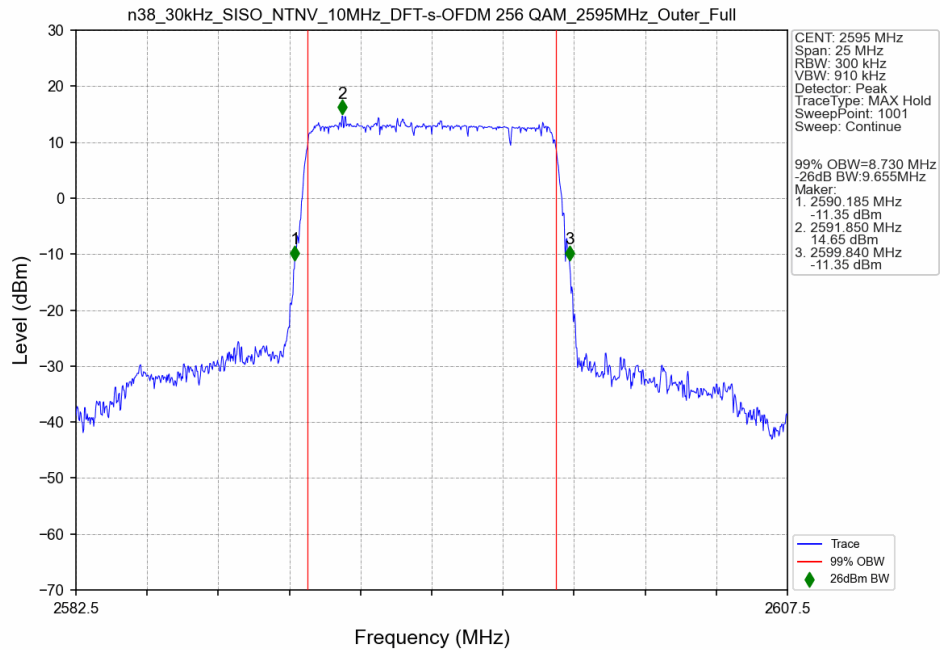
n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_2595MHz\_Outer\_Full\_Ant2



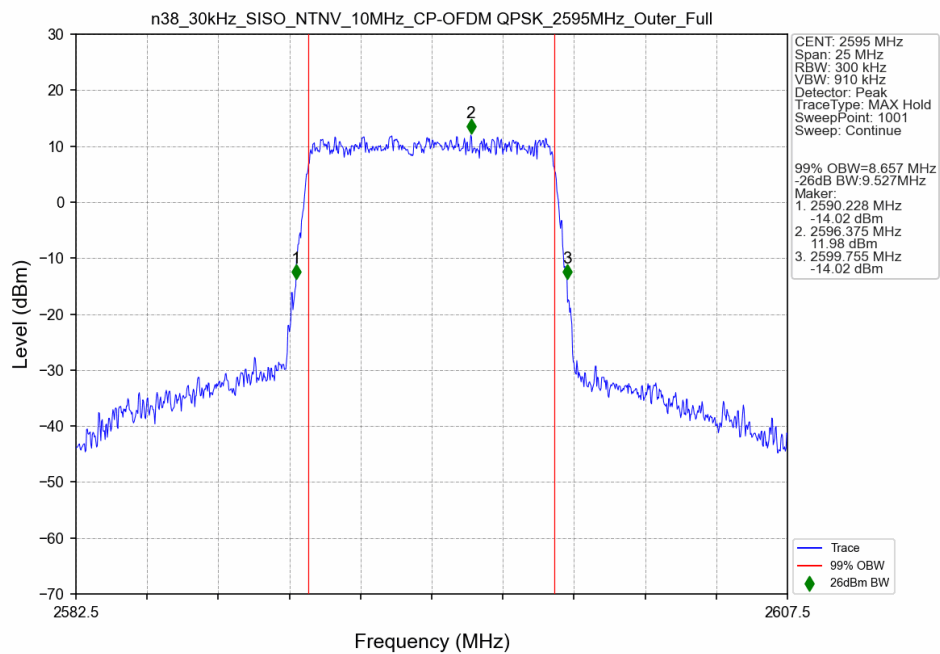
n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_2595MHz\_Outer\_Full\_Ant2



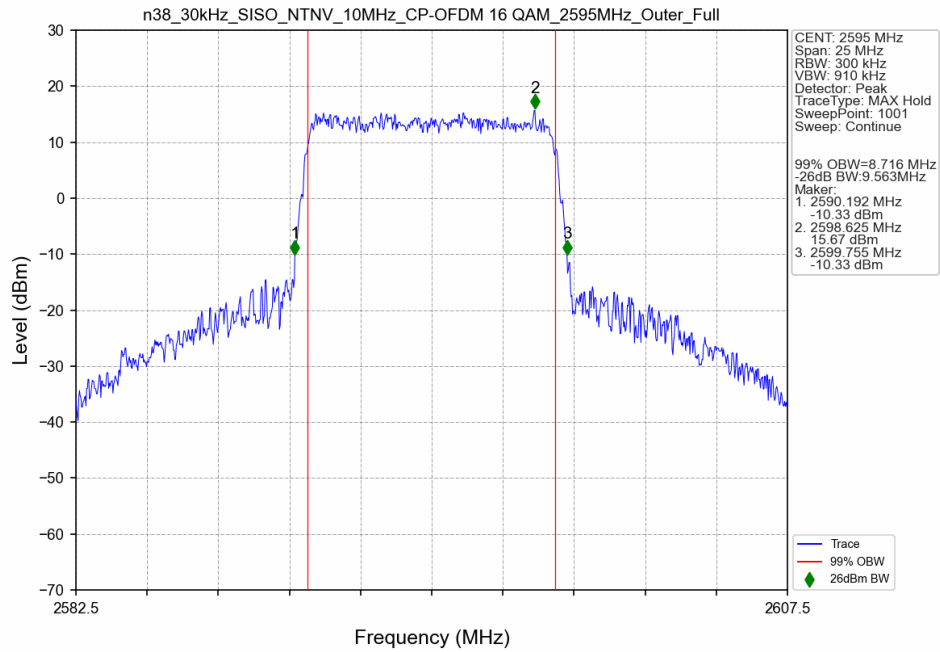
## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM 2595MHz\_Outer\_Full\_Ant2



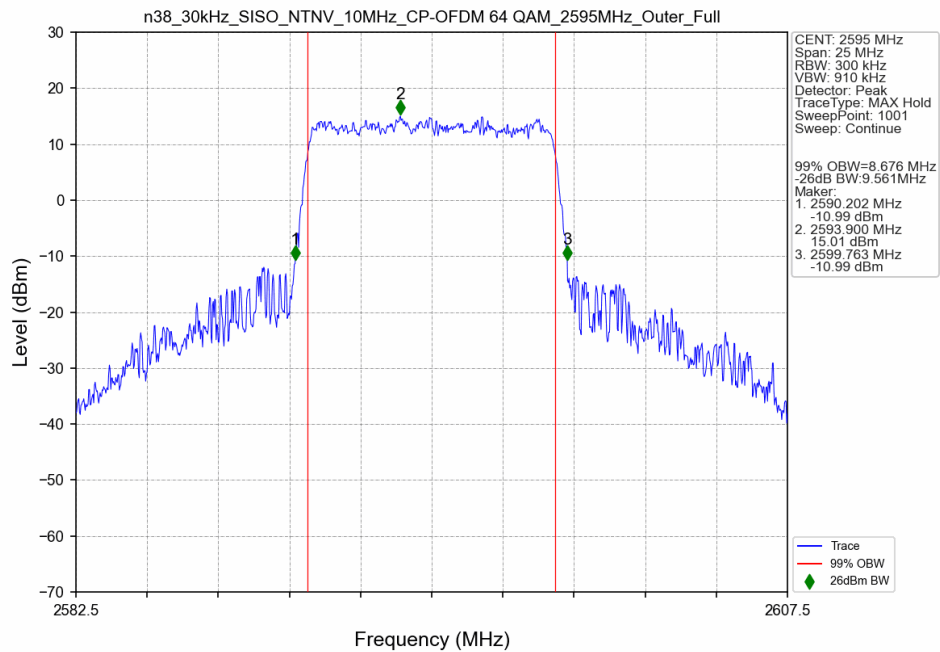
## n38\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK 2595MHz\_Outer\_Full\_Ant2

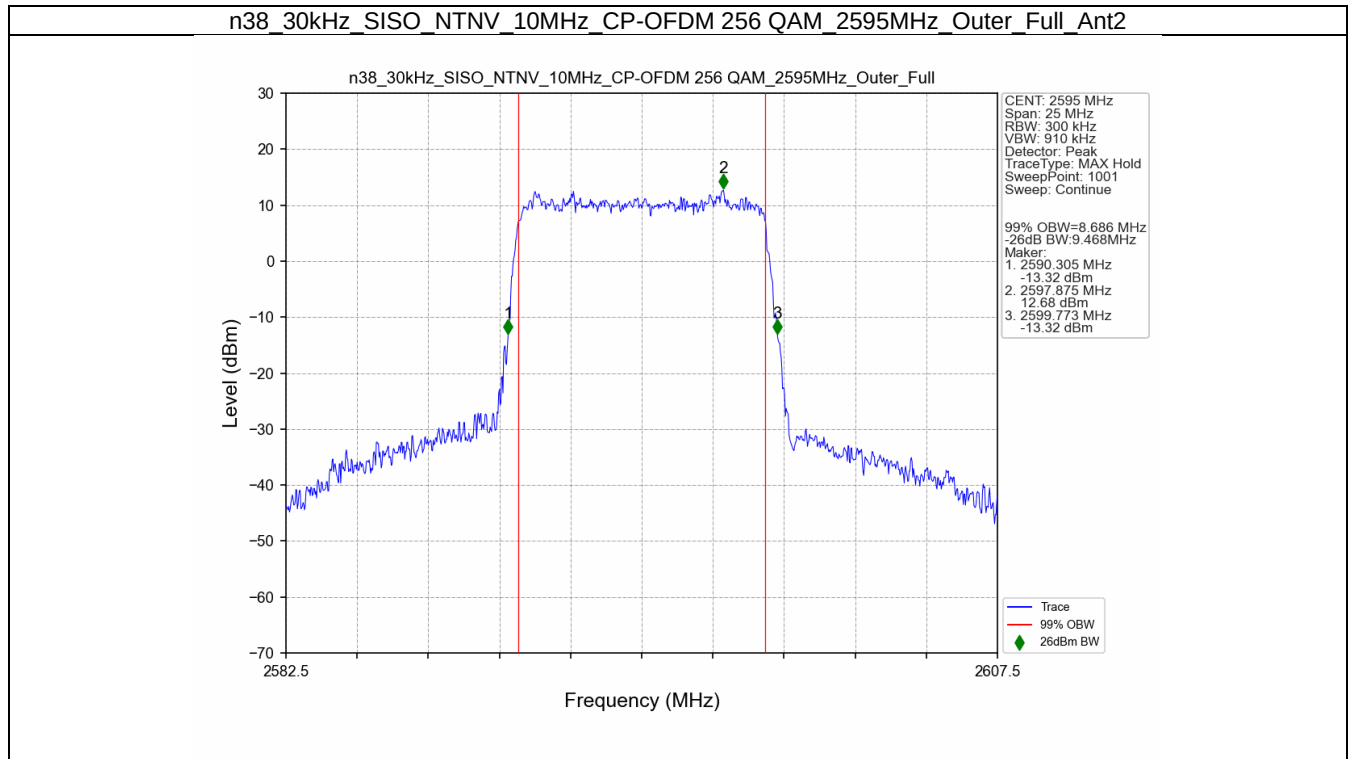


## n38\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM 2595MHz\_Outer\_Full\_Ant2



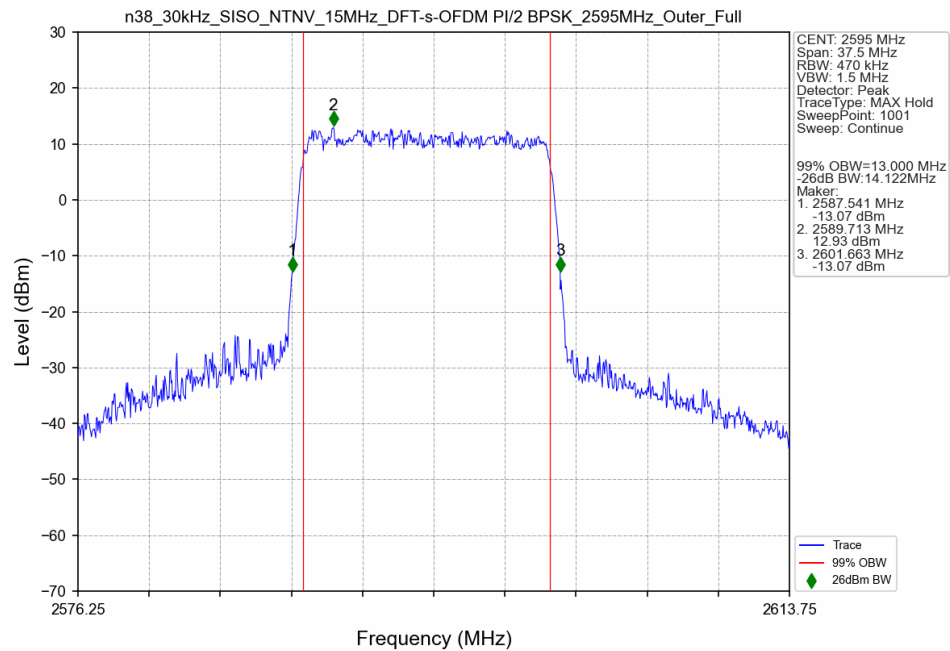
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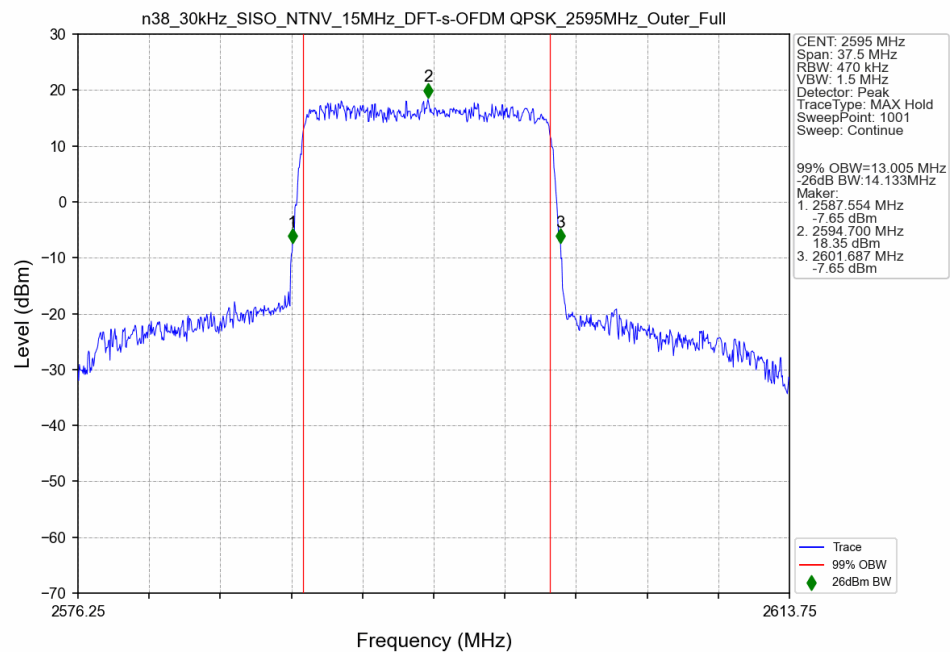


## 3.2.2 30\_S\_15M\_NTNV

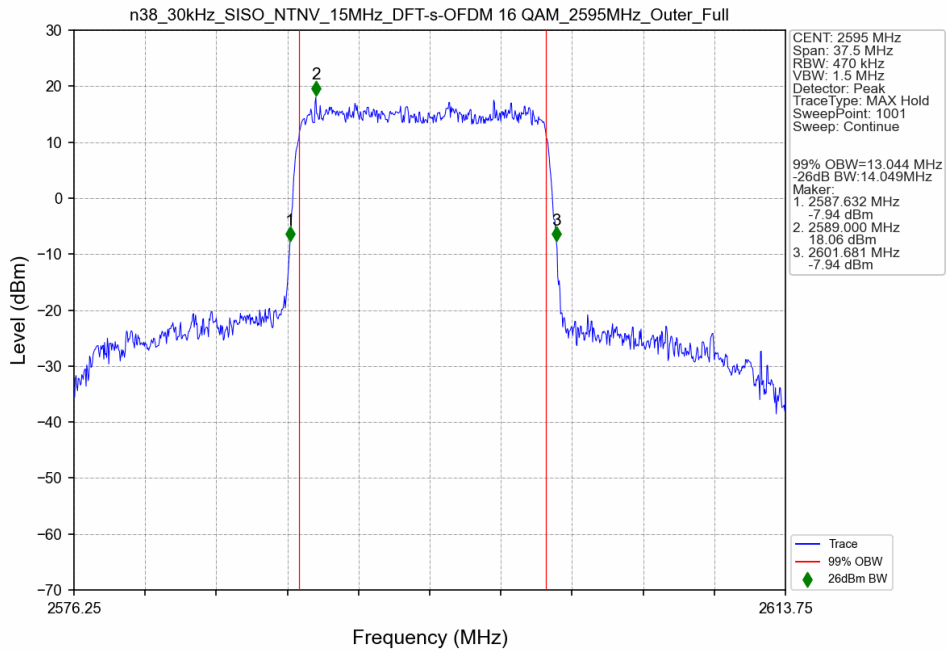
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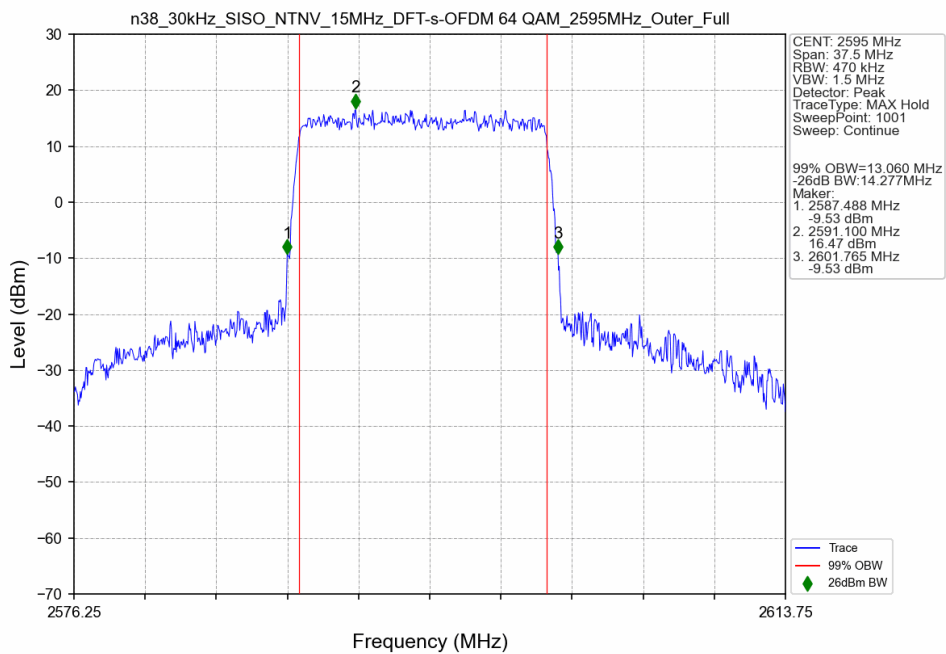
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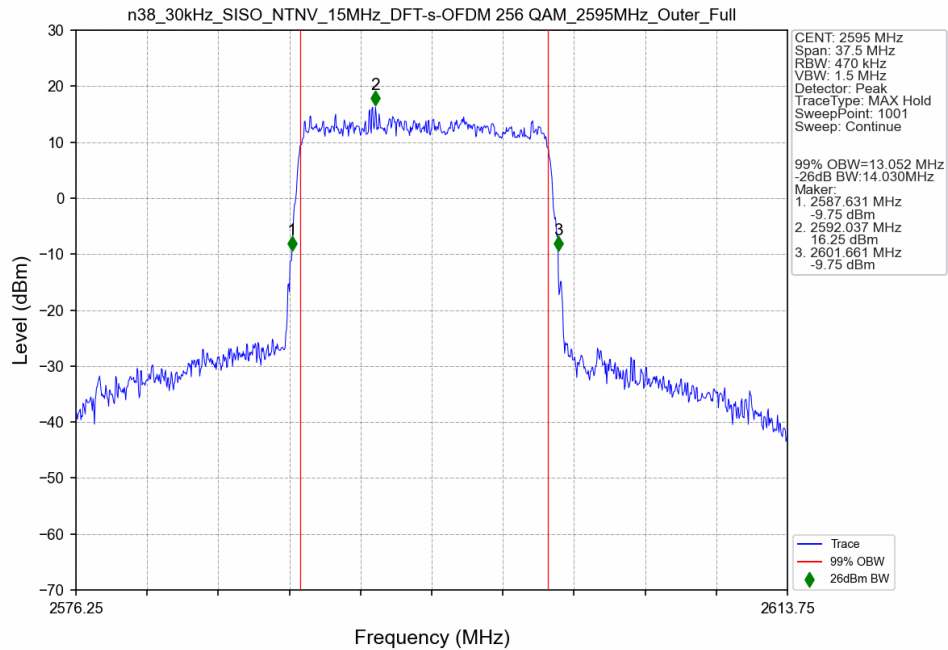
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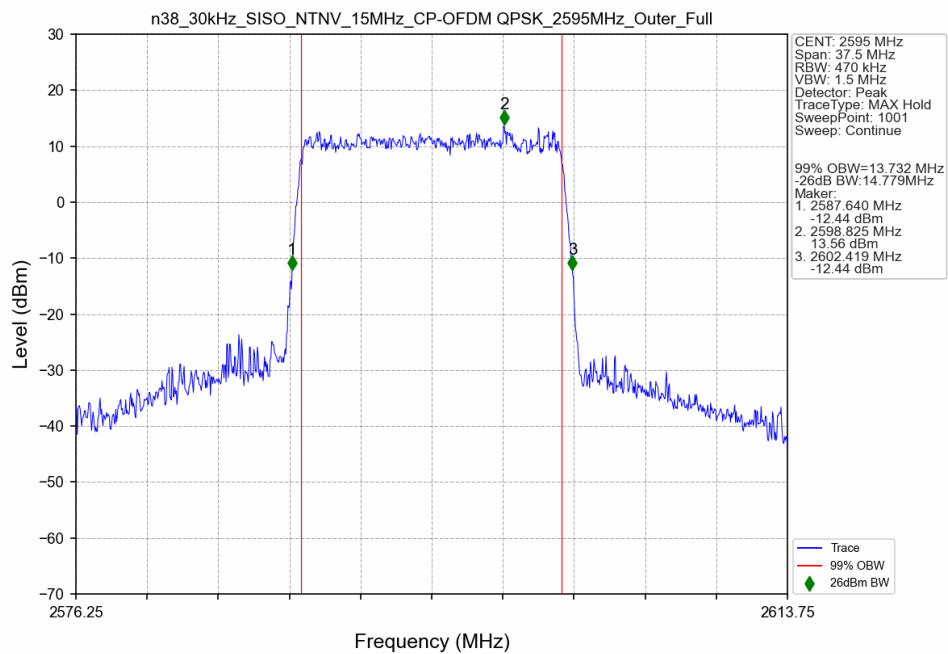
n38\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM 64 QAM\_2595MHz\_Outer\_Full\_Ant2



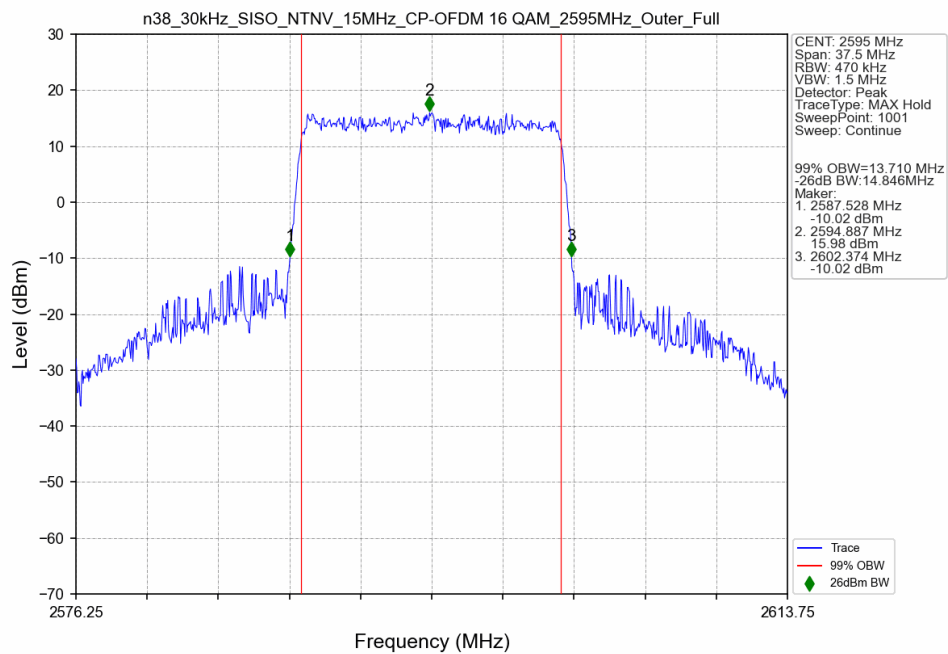
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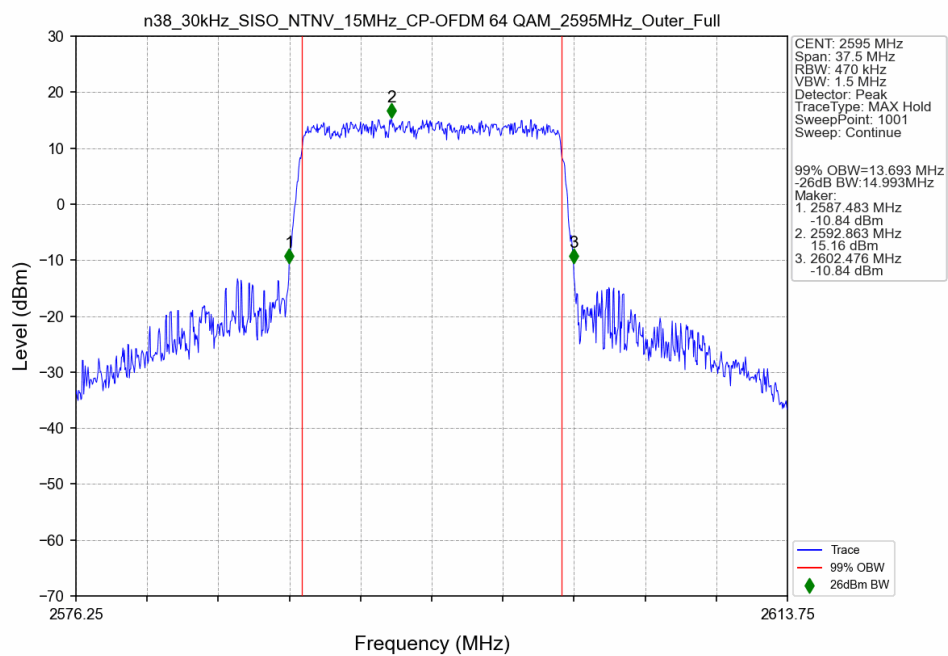
## n38\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK 2595MHz\_Outer\_Full\_Ant2



## n38\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 16 QAM 2595MHz\_Outer\_Full\_Ant2



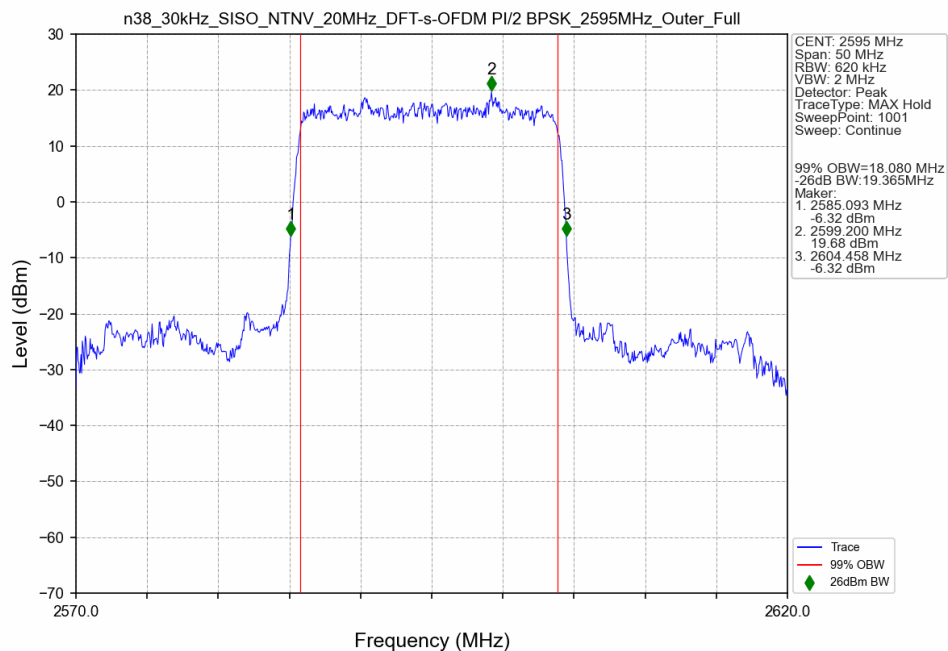
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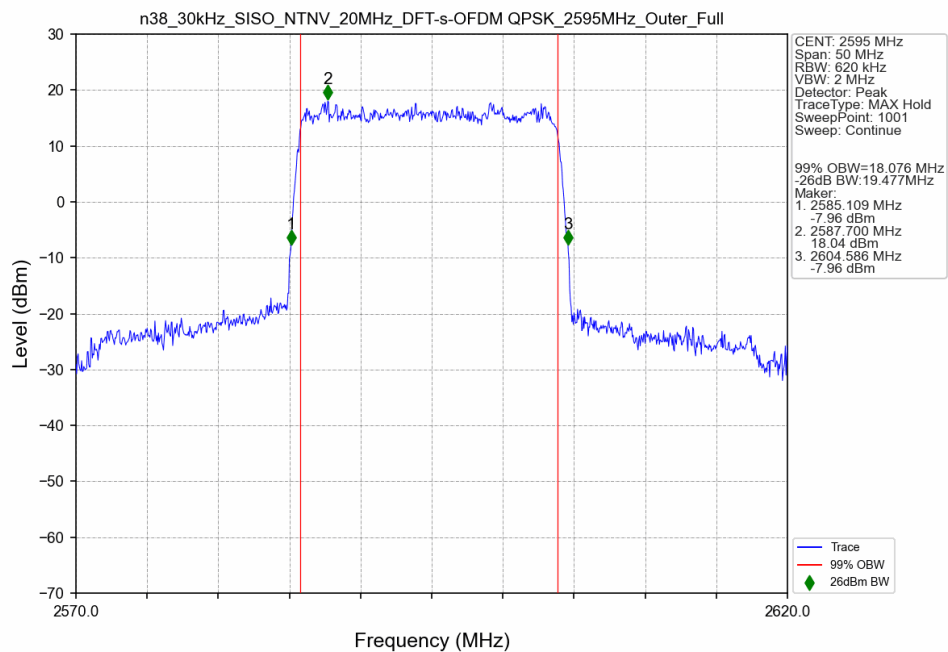


## 3.2.3 30\_S\_20M\_NTNV

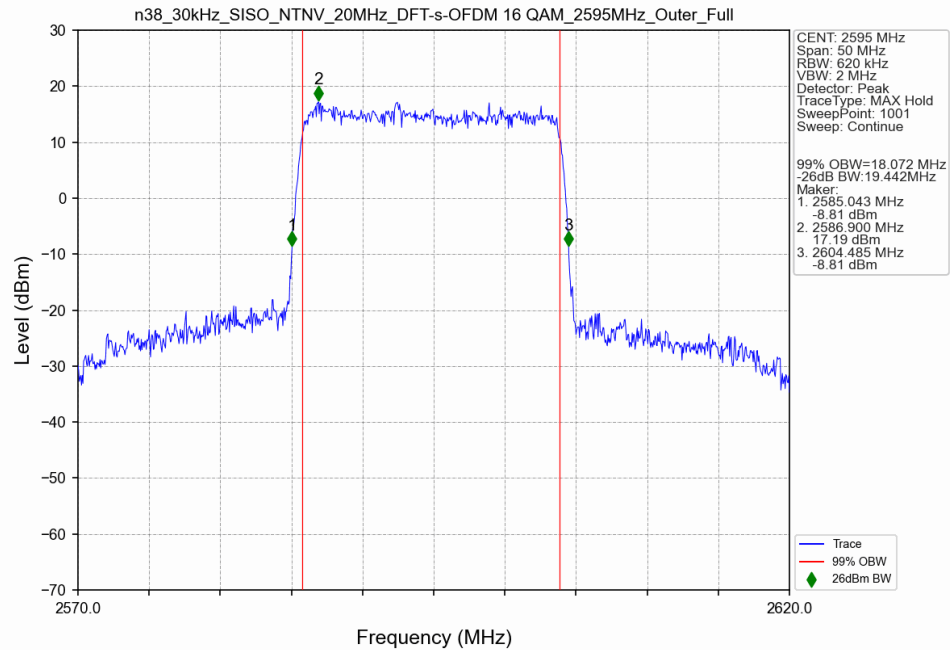
n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_2595MHz\_Outer\_Full\_Ant2



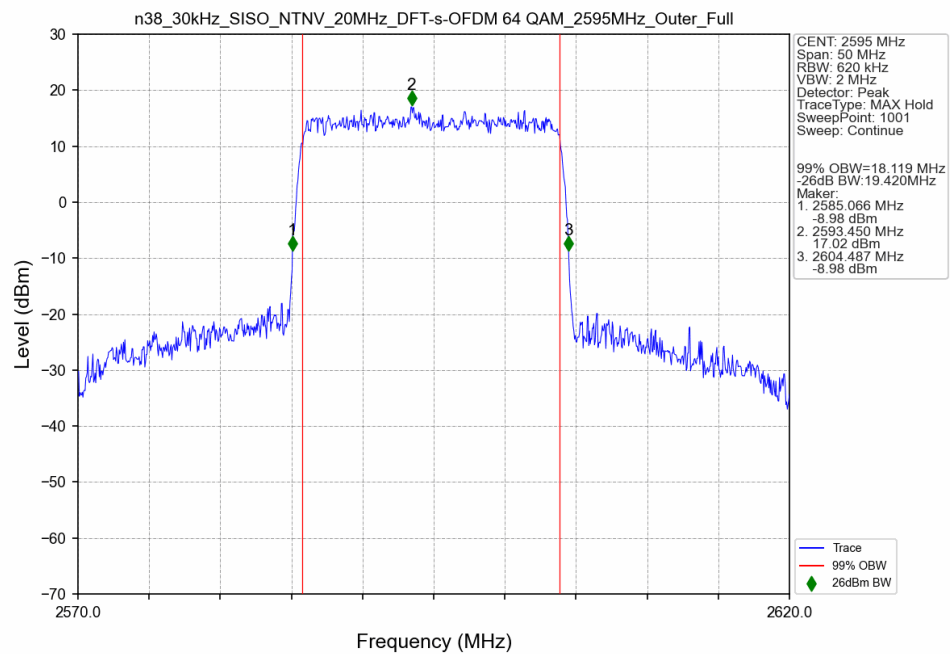
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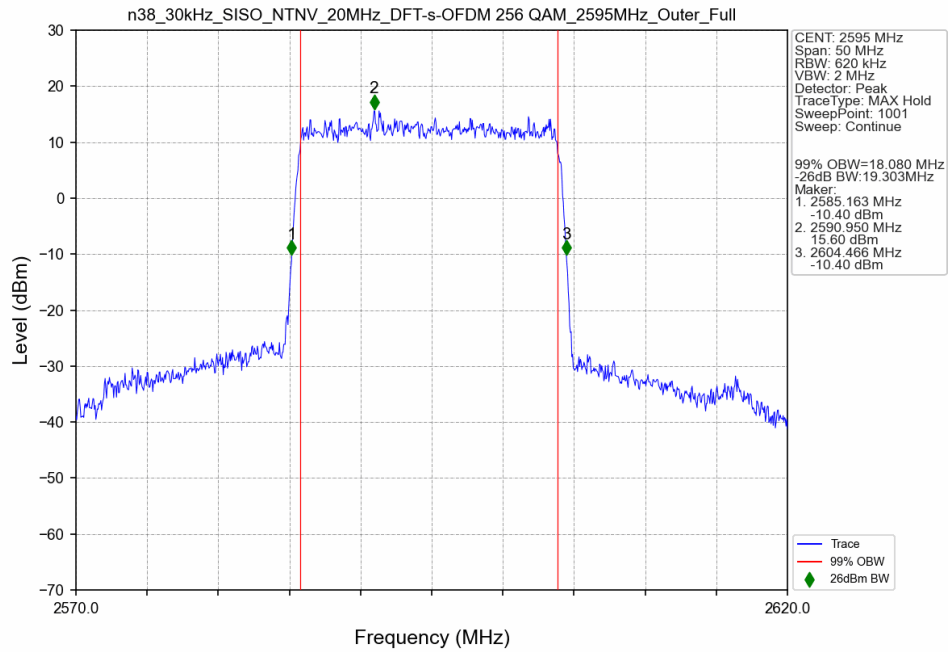
n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_2595MHz\_Outer\_Full\_Ant2



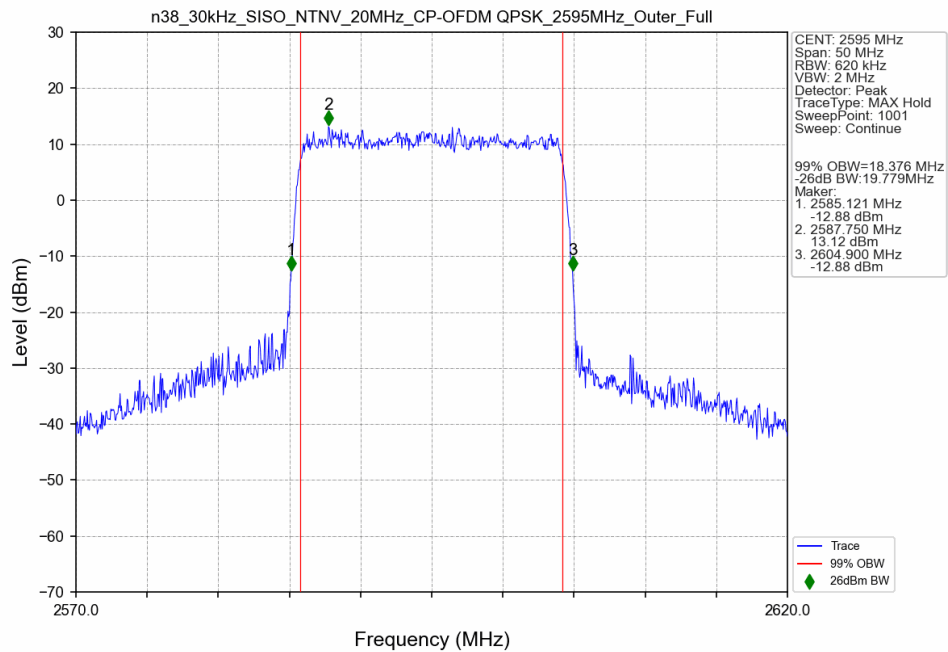
n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_2595MHz\_Outer\_Full\_Ant2



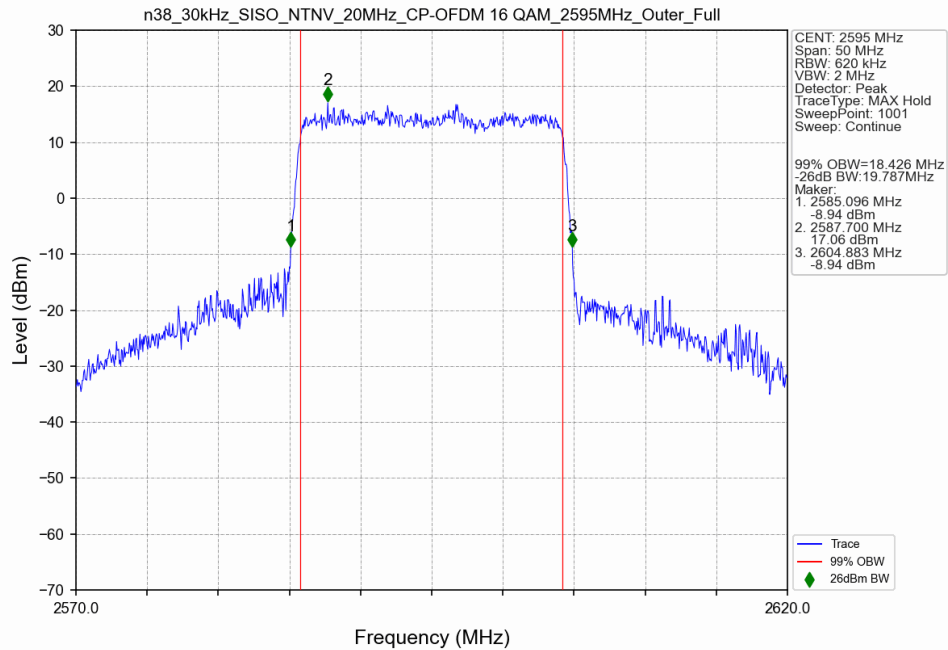
## n38\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM 2595MHz\_Outer\_Full\_Ant2



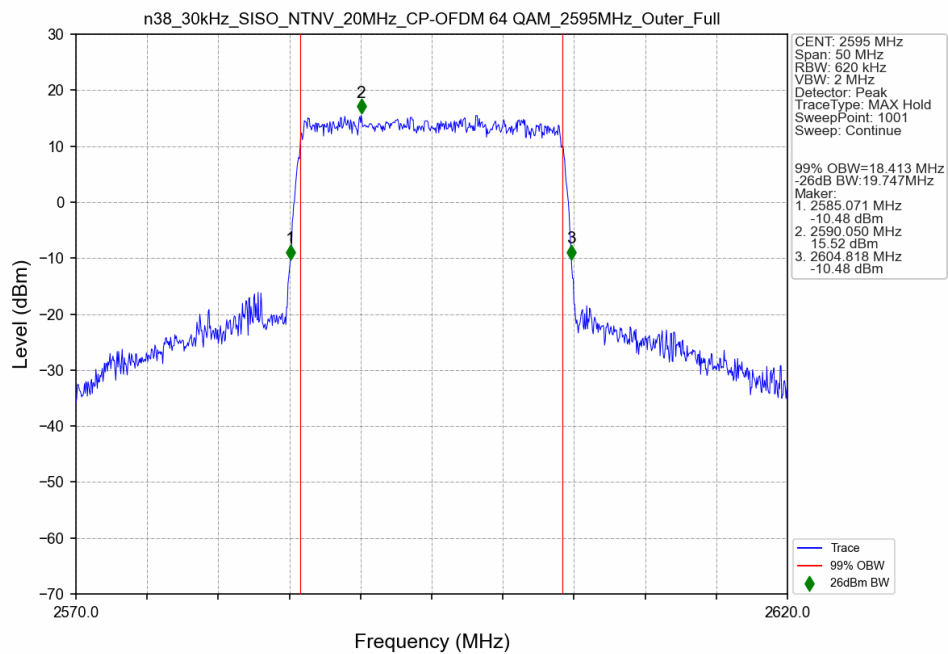
## n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK 2595MHz\_Outer\_Full\_Ant2

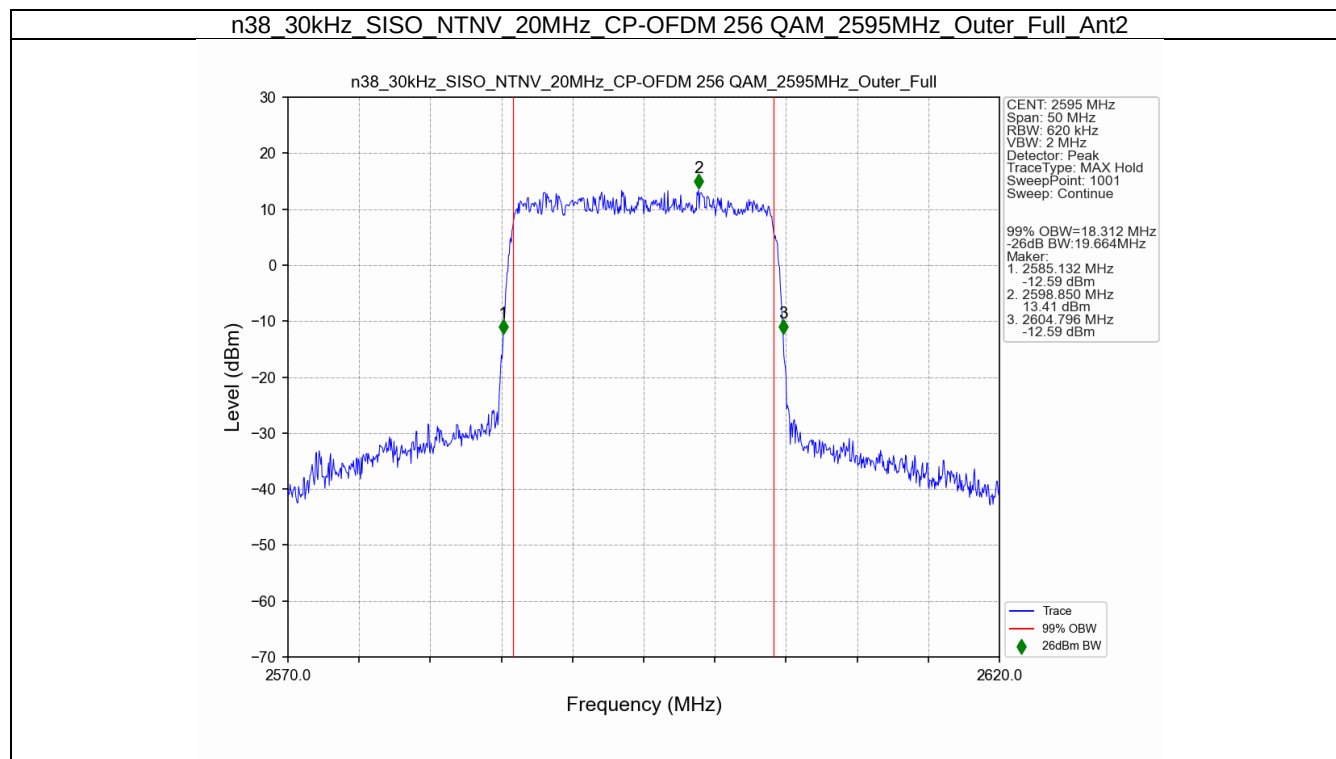


n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM 2595MHz\_Outer\_Full\_Ant2

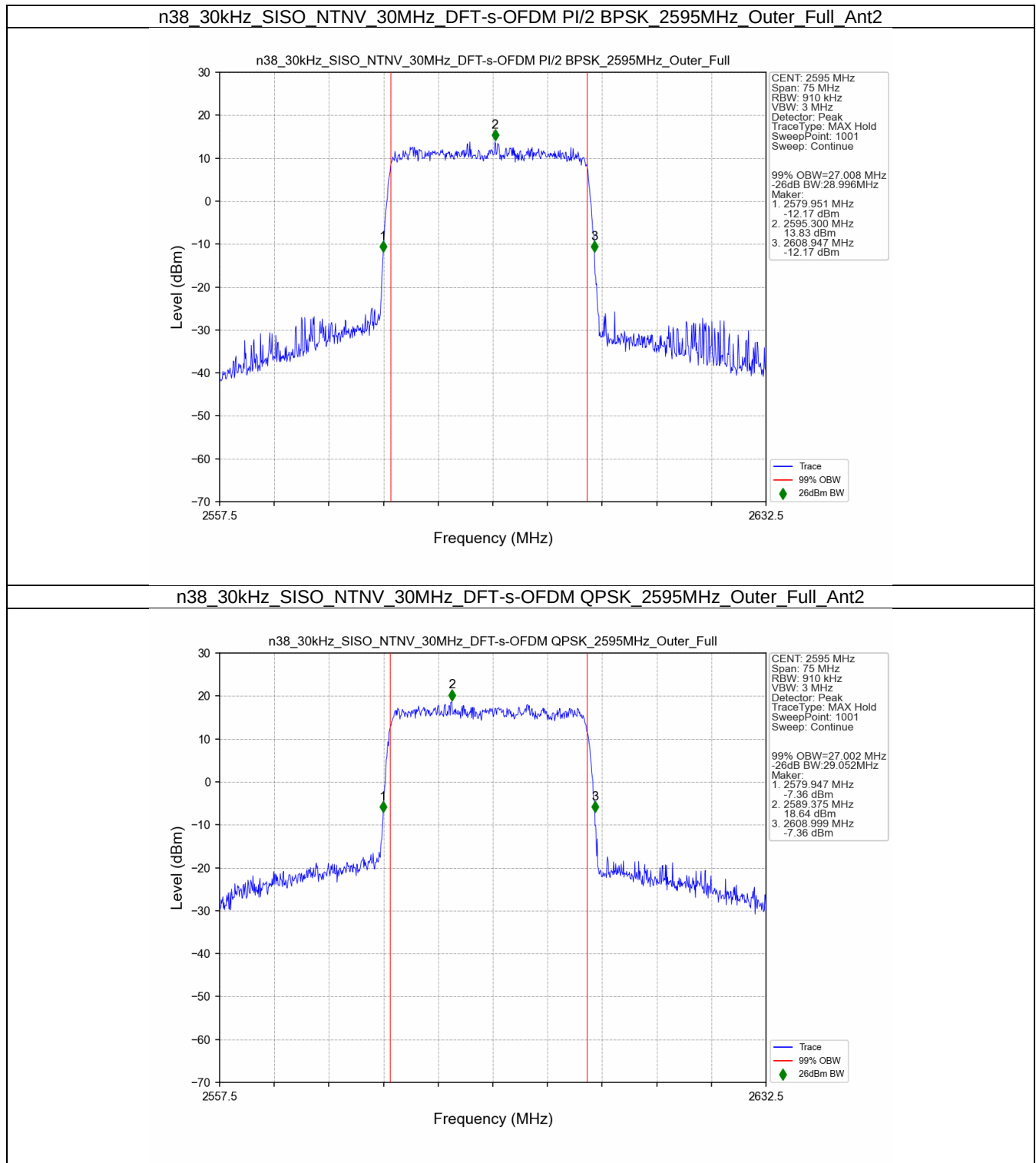


n38\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM 2595MHz\_Outer\_Full\_Ant2

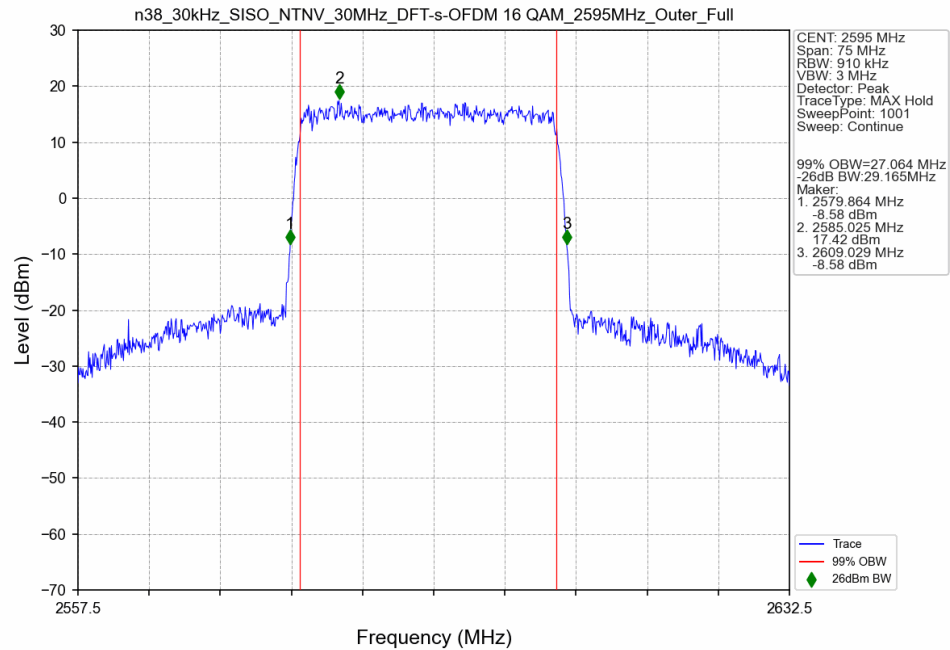




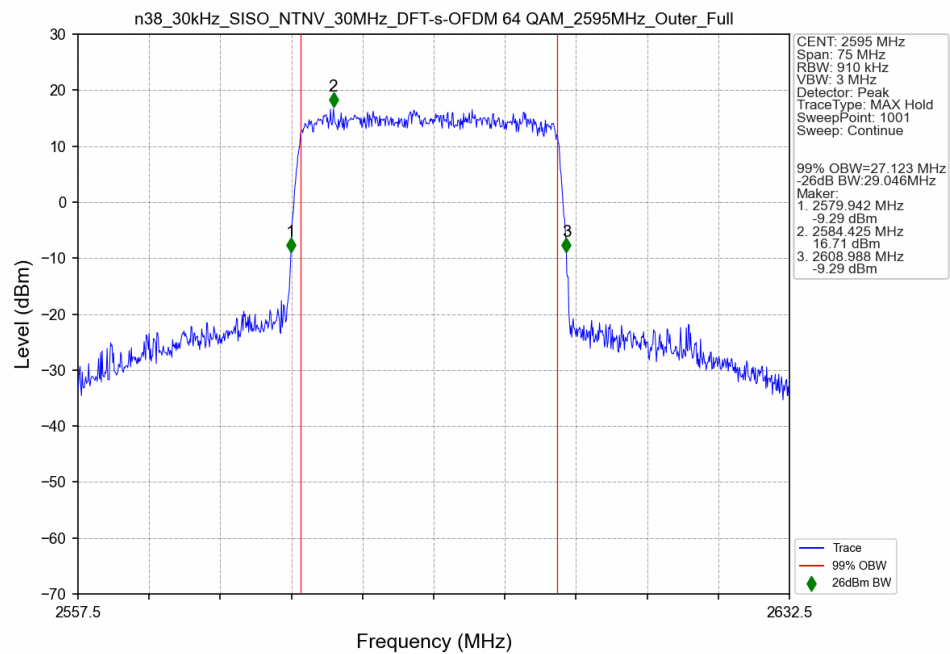
## 3.2.4 30\_S\_30M\_NTNV



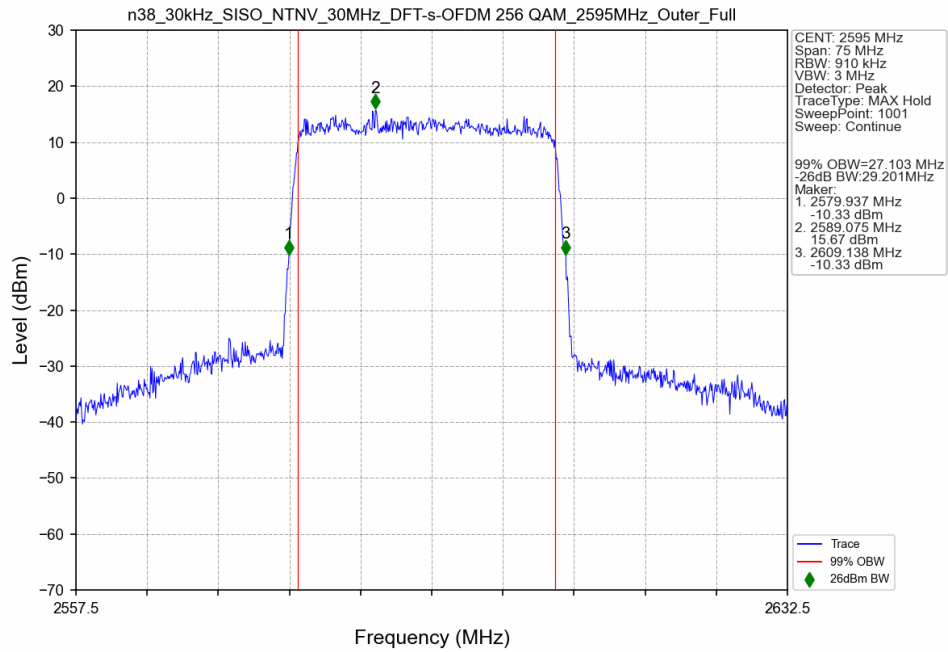
## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 16 QAM\_2595MHz\_Outer\_Full\_Ant2



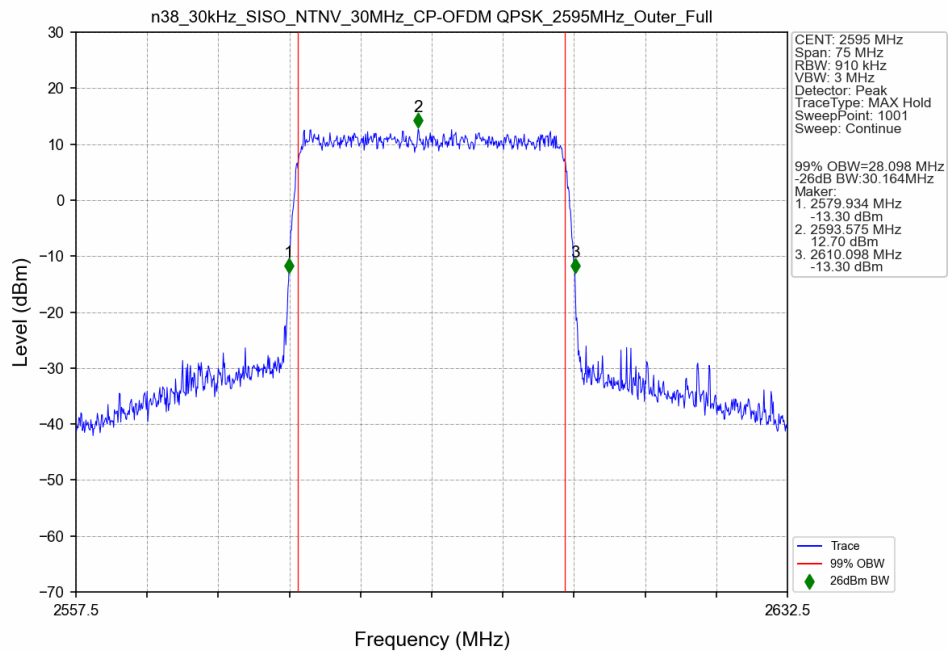
## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 64 QAM\_2595MHz\_Outer\_Full\_Ant2



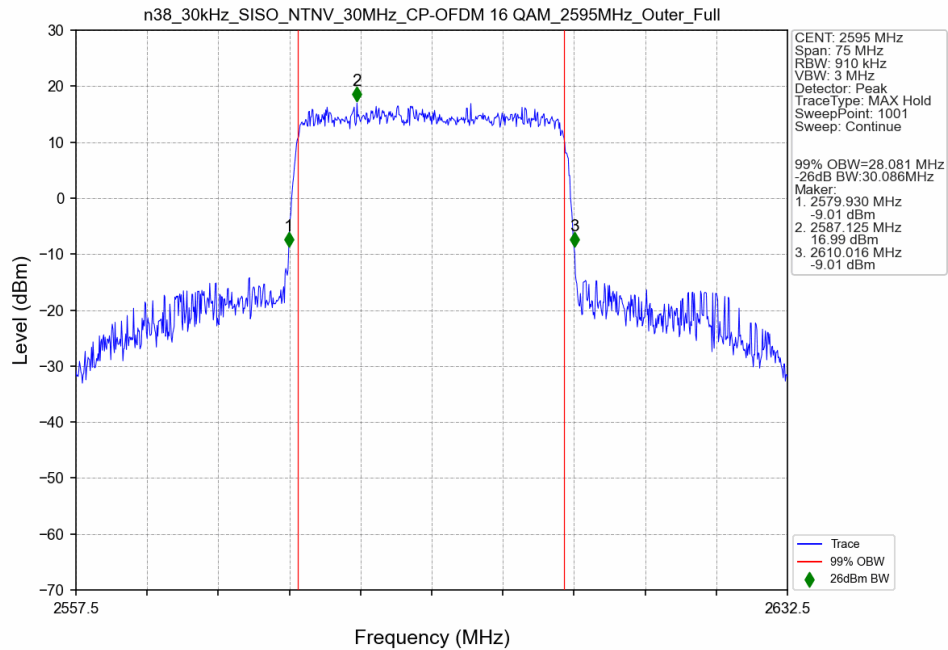
## n38\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 256 QAM 2595MHz\_Outer\_Full\_Ant2



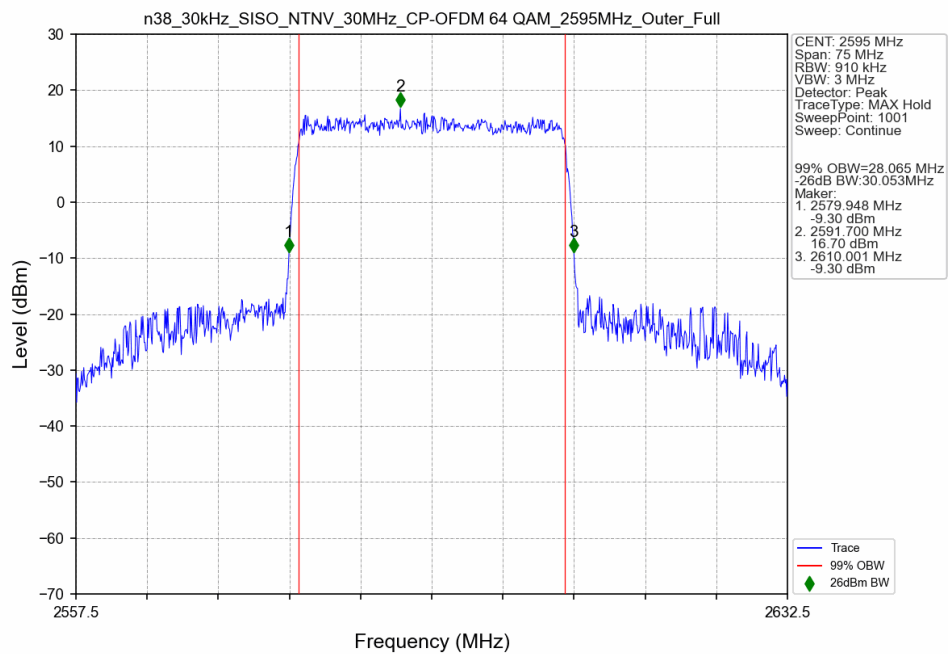
## n38\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK 2595MHz\_Outer\_Full\_Ant2



## n38\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM 16 QAM\_2595MHz\_Outer\_Full\_Ant2

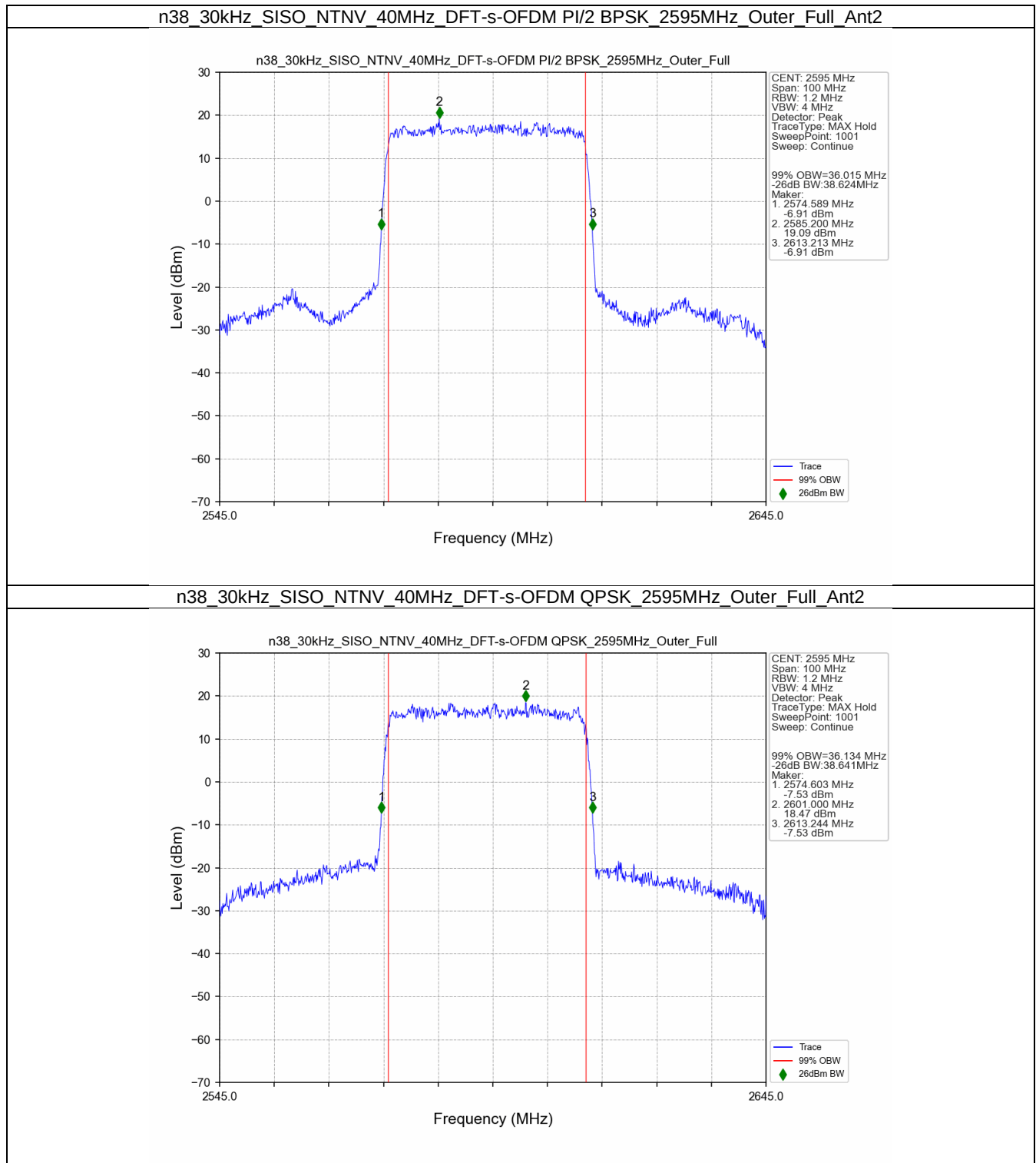


## n38\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM 64 QAM\_2595MHz\_Outer\_Full\_Ant2

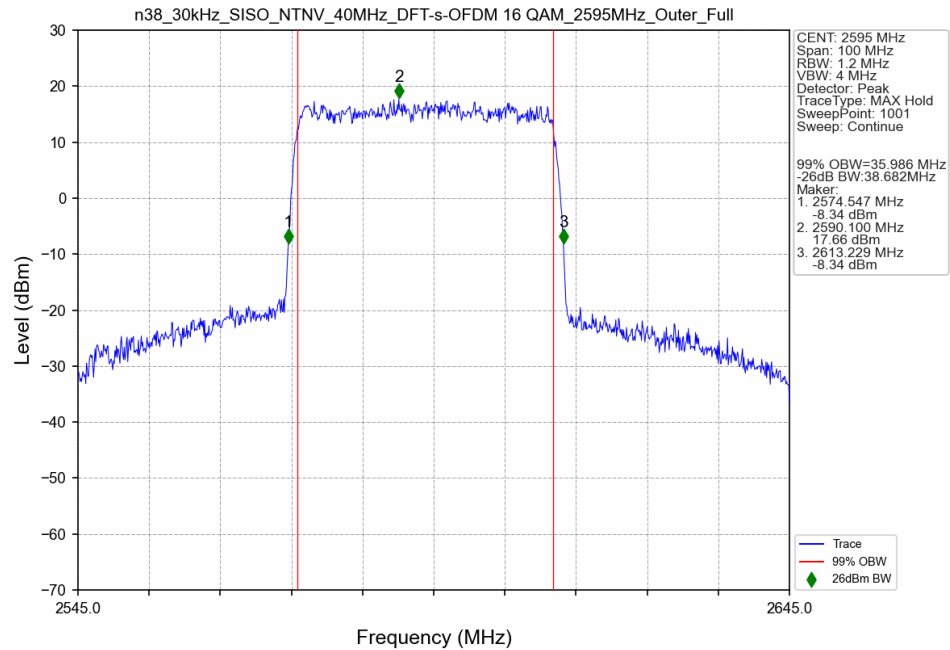




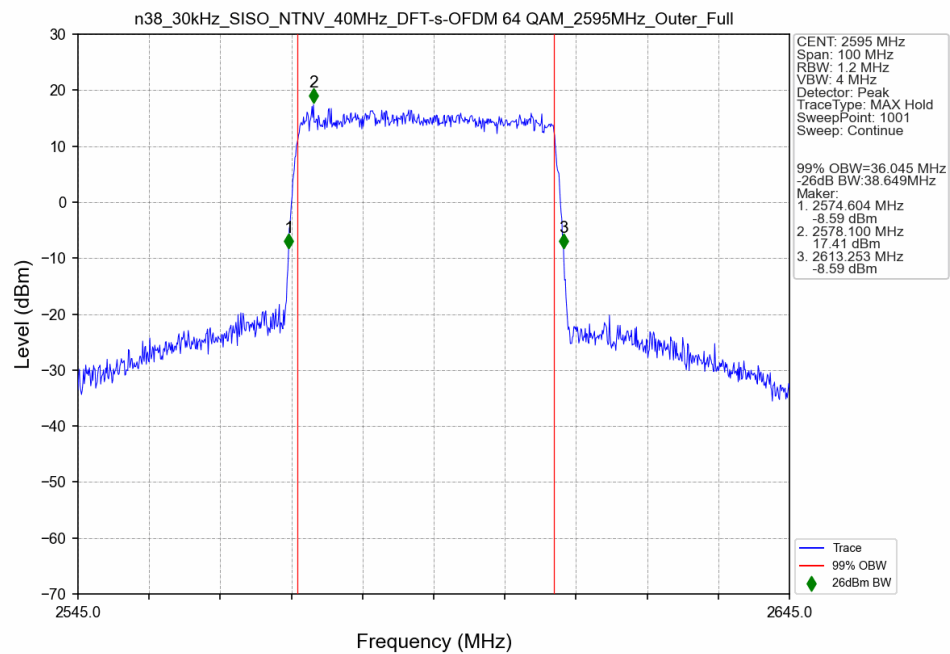
## 3.2.5 30\_S\_40M\_NTNV



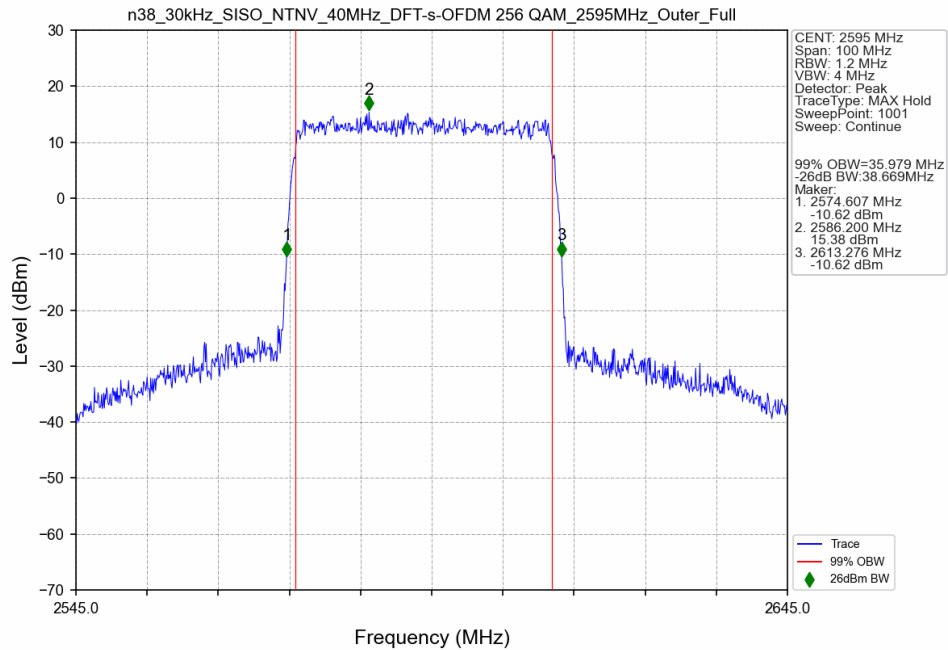
## n38\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 16 QAM\_2595MHz\_Outer\_Full\_Ant2



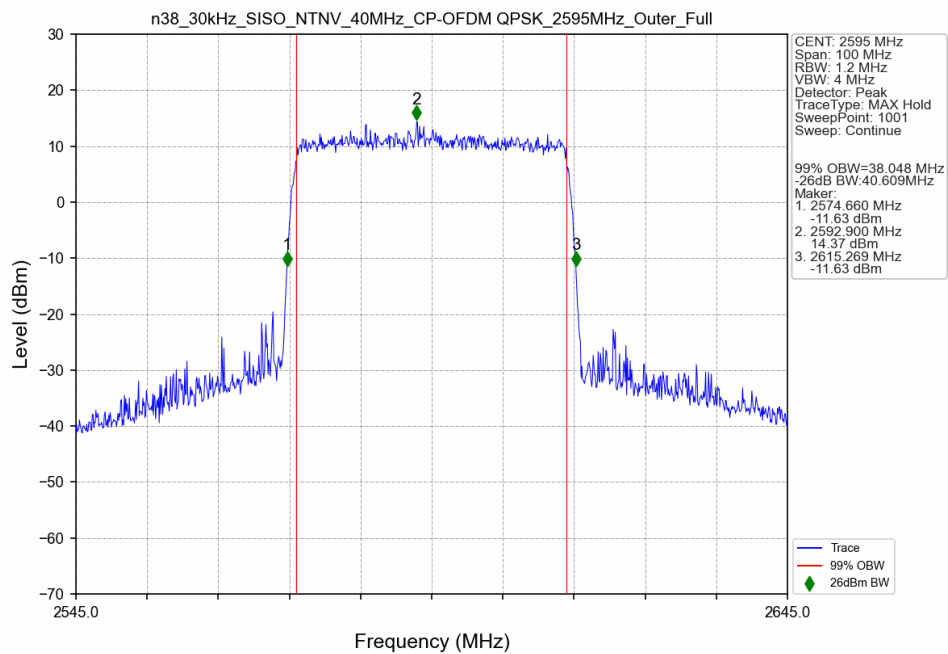
## n38\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_2595MHz\_Outer\_Full\_Ant2



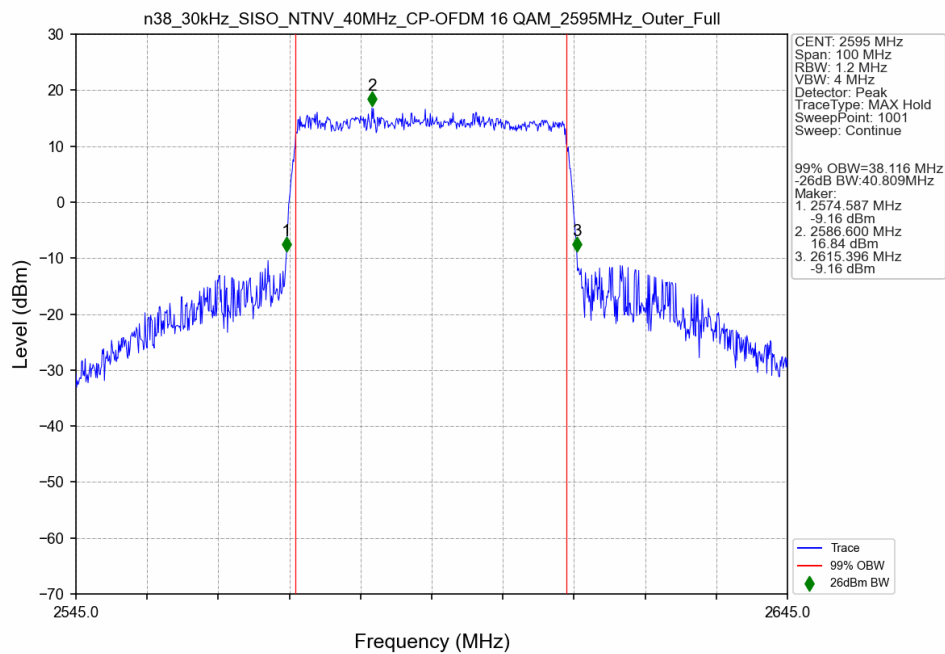
## n38\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM 2595MHz\_Outer\_Full\_Ant2



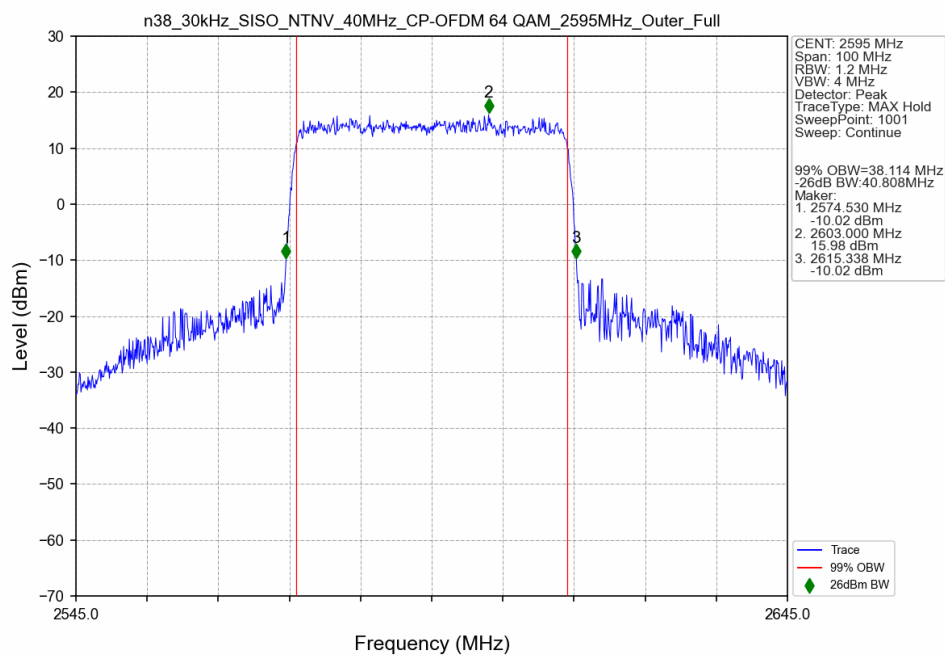
## n38\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK 2595MHz\_Outer\_Full\_Ant2

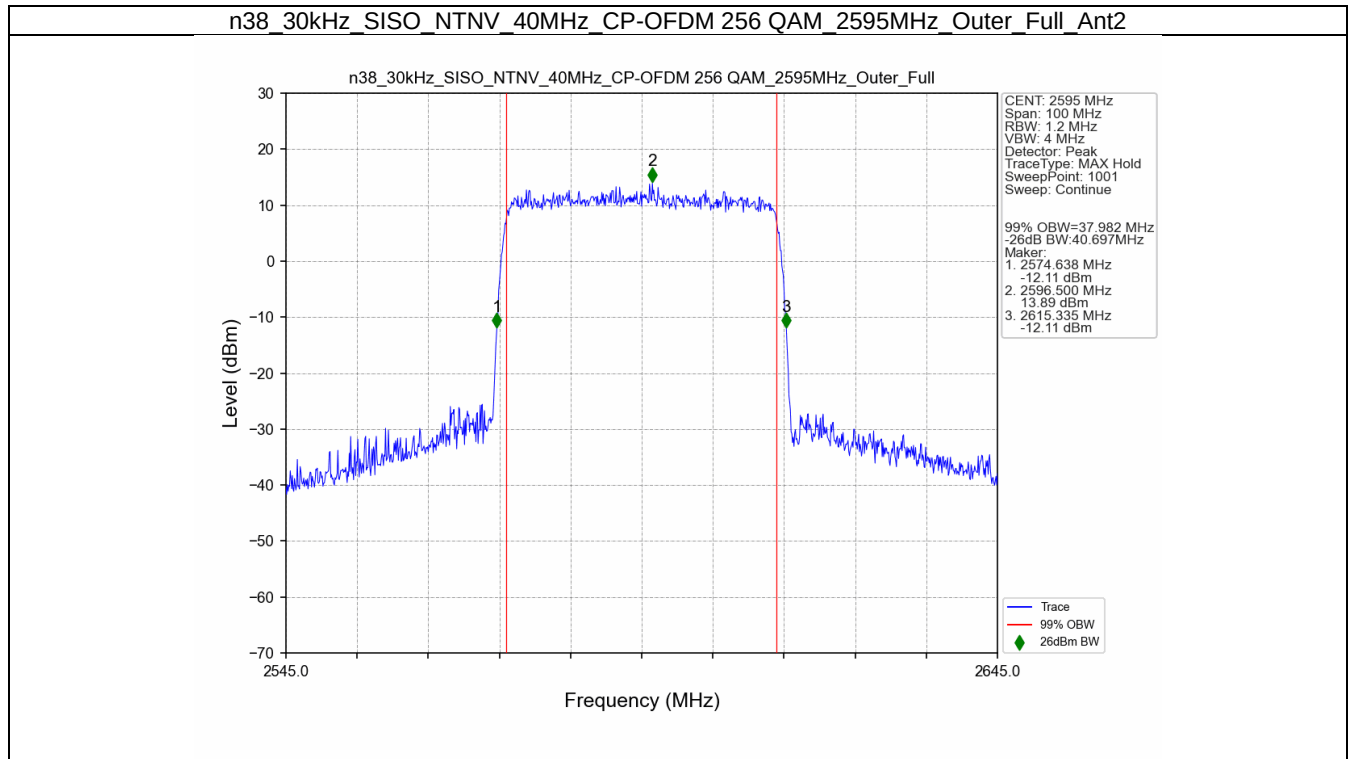


## n38\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM 2595MHz\_Outer\_Full\_Ant2



## n38\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM 2595MHz\_Outer\_Full\_Ant2





## 4. Peak-Average Ratio

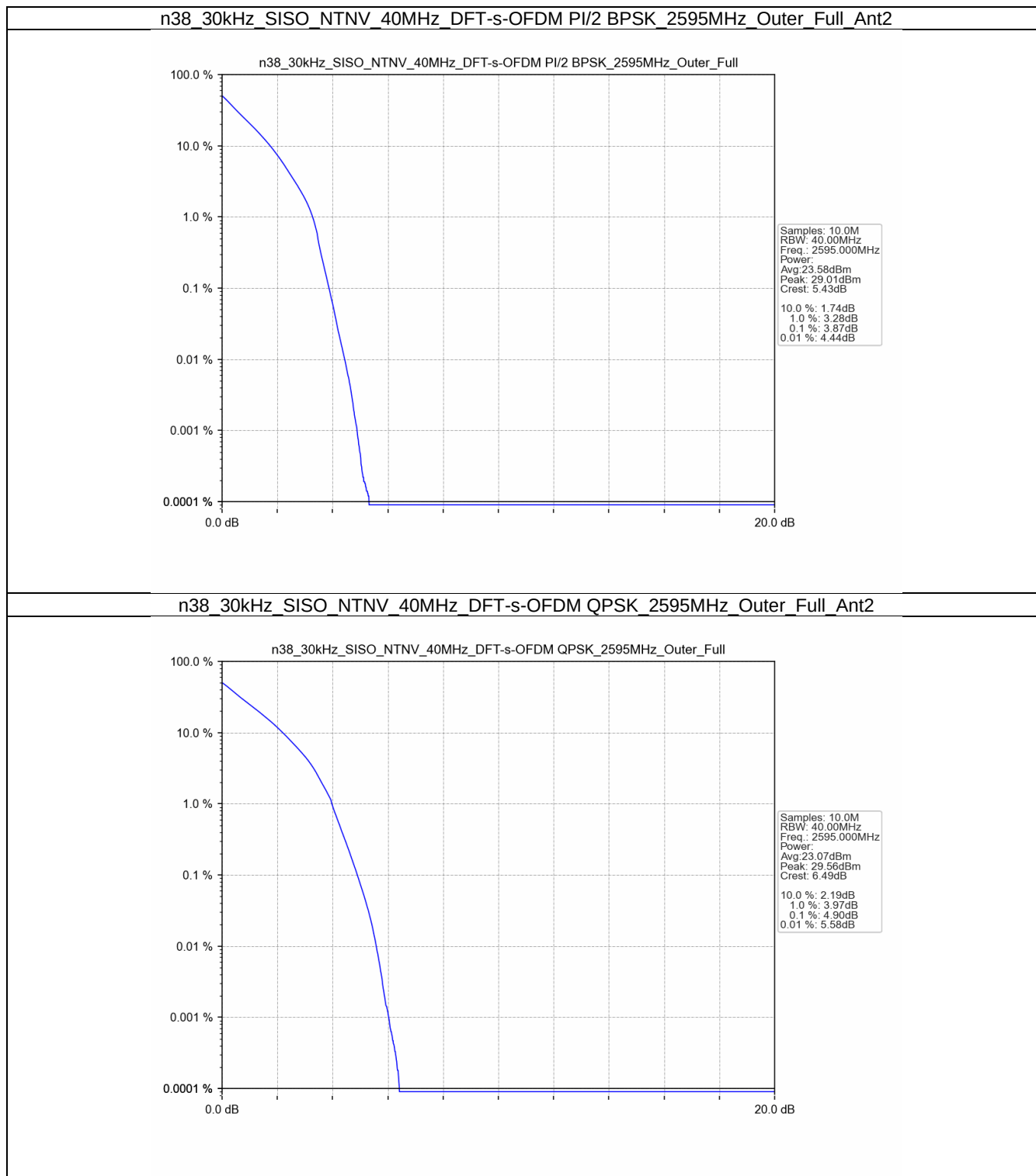
### 4.1 Test Result

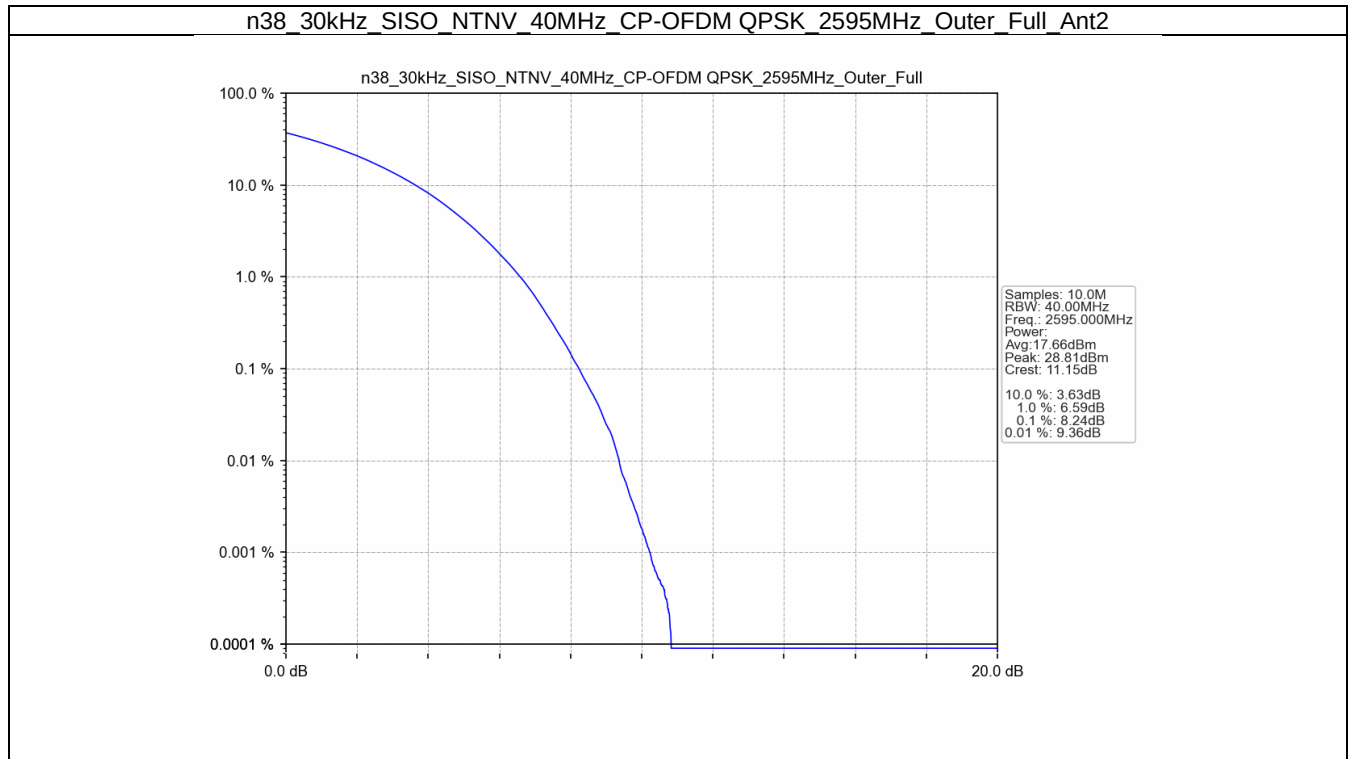
#### 4.1.1 30\_S\_40M\_NTNV

| 5G NR n38 SCS=30kHz SISO 40MHz NTN |                 |               |                         |       |     |       |         |
|------------------------------------|-----------------|---------------|-------------------------|-------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |       |     |       | Verdict |
|                                    |                 |               | Ant2                    | Ant2* | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2595            | Outer_Full    | 3.87                    | /     | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                    | 2595            | Outer_Full    | 4.90                    | /     | /   | <=13  | Pass    |
| CP-OFDM QPSK                       | 2595            | Outer_Full    | 8.24                    | /     | /   | <=13  | Pass    |

## 4.2 Test Graph

## 4.2.1 30\_S\_40M\_NTNV





## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 30\_S\_10M\_NTNV

| 5G NR n38 SCS=30kHz SISO 10MHz NTN |                 |                |                     |       |     |       |         |
|------------------------------------|-----------------|----------------|---------------------|-------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation  | Spurious Emission   |       |     |       | Verdict |
|                                    |                 |                | Ant2                | Ant2* | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2575            | Edge_1RB_Left  | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |       |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left  | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Edge_1RB_Right | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |       |     |       | Pass    |
| DFT-s-OFDM QPSK                    | 2575            | Edge_1RB_Left  | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |       |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left  | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Edge_1RB_Right | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |       |     |       | Pass    |
| CP-OFDM QPSK                       | 2575            | Edge_1RB_Left  | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |       |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left  | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Edge_1RB_Right | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |       |     |       | Pass    |

#### 5.1.2 30\_S\_20M\_NTNV

| 5G NR n38 SCS=30kHz SISO 20MHz NTN |                 |               |                     |                     |     |       |         |
|------------------------------------|-----------------|---------------|---------------------|---------------------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Spurious Emission   |                     |     |       | Verdict |
|                                    |                 |               | Ant2                | Ant2*               | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2580            | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | Outer_Full    | Refer To Test Graph |                     |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | 2610          | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |     |       | Pass    |
|                                    | DFT-s-OFDM QPSK | 2580          | Edge_1RB_Left       | Refer To Test Graph |     |       |         |
| Outer_Full                         |                 |               | Refer To Test Graph |                     |     |       | Pass    |
| 2595                               |                 | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | 2610          | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
| Outer_Full                         |                 |               | Refer To Test Graph |                     |     |       | Pass    |
| CP-OFDM QPSK                       |                 | 2580          | Edge_1RB_Left       | Refer To Test Graph |     |       |         |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                    |                 | 2610          | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
|                                    | Outer_Full      |               | Refer To Test Graph |                     |     |       | Pass    |

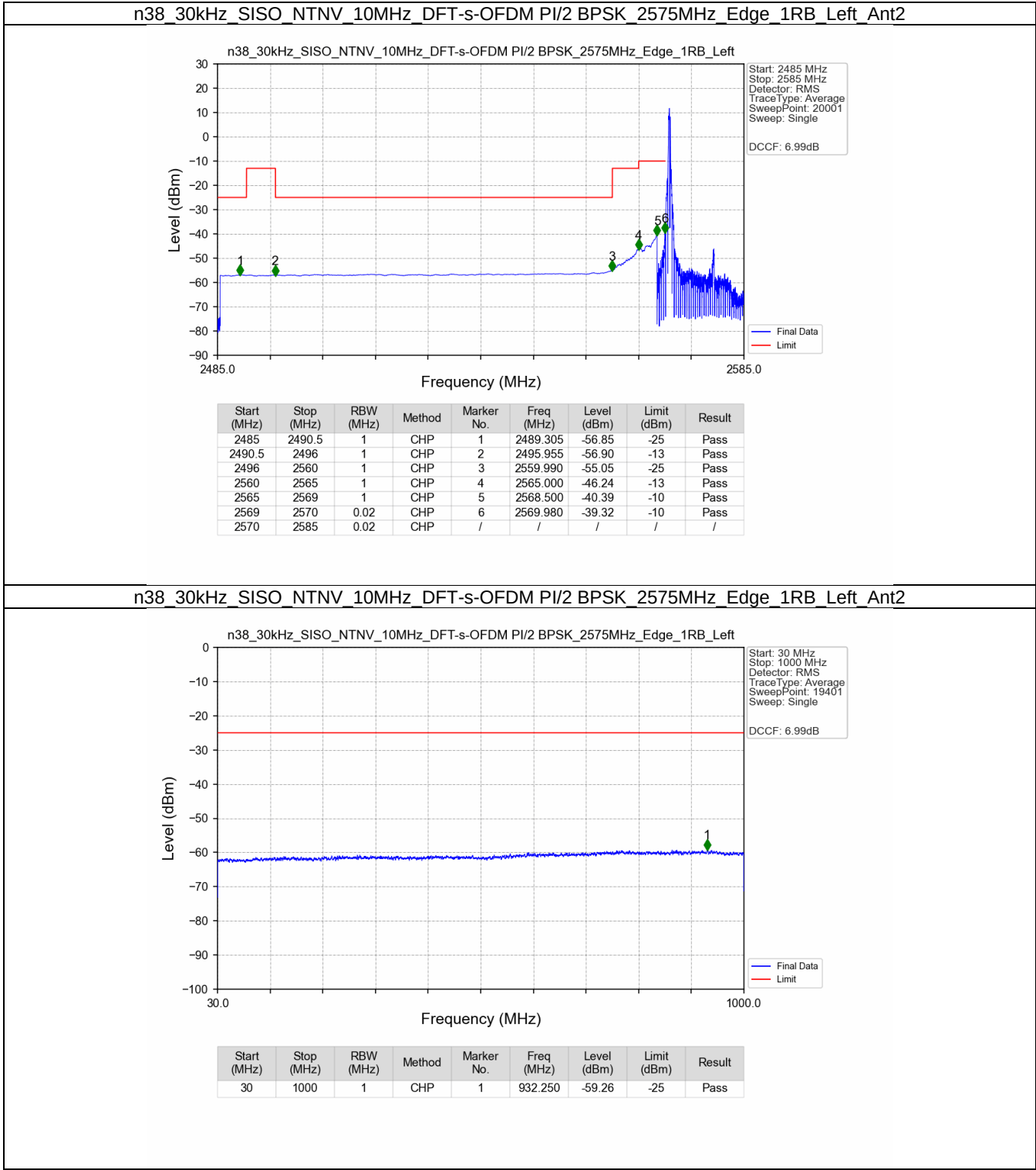
#### 5.1.3 30\_S\_40M\_NTNV

| 5G NR n38 SCS=30kHz SISO 40MHz NTN |                 |                |                     |       |     |       |         |
|------------------------------------|-----------------|----------------|---------------------|-------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation  | Spurious Emission   |       |     |       | Verdict |
|                                    |                 |                | Ant2                | Ant2* | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 2590            | Edge_1RB_Left  | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |       |     |       | Pass    |
|                                    | 2595            | Edge_1RB_Left  | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Edge_1RB_Right | Refer To Test Graph |       |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |       |     |       | Pass    |
| DFT-s-OFDM QPSK                    | 2590            | Edge_1RB_Left  | Refer To Test Graph |       |     |       | Pass    |

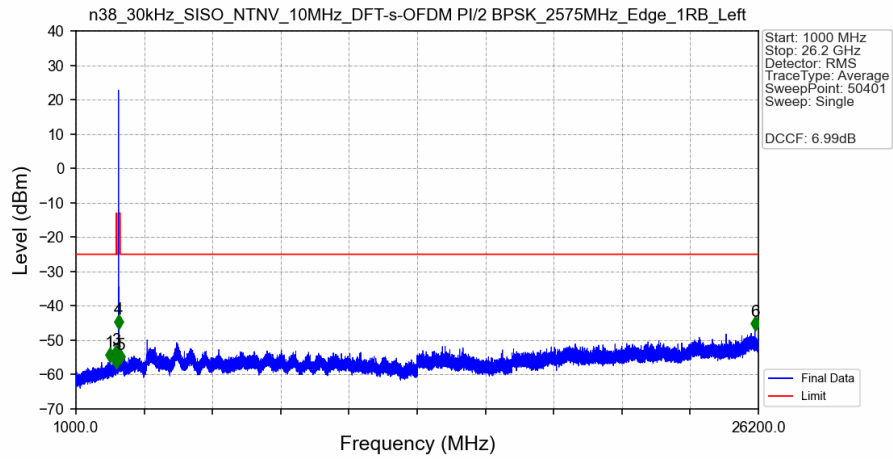
|              |      |                |                     |      |
|--------------|------|----------------|---------------------|------|
|              |      | Outer_Full     | Refer To Test Graph | Pass |
|              | 2595 | Edge_1RB_Left  | Refer To Test Graph | Pass |
|              | 2600 | Edge_1RB_Right | Refer To Test Graph | Pass |
|              |      | Outer_Full     | Refer To Test Graph | Pass |
| CP-OFDM QPSK | 2590 | Edge_1RB_Left  | Refer To Test Graph | Pass |
|              |      | Outer_Full     | Refer To Test Graph | Pass |
|              | 2595 | Edge_1RB_Left  | Refer To Test Graph | Pass |
|              | 2600 | Edge_1RB_Right | Refer To Test Graph | Pass |
|              |      | Outer_Full     | Refer To Test Graph | Pass |

5.2 Test Graph

5.2.1 30\_S\_10M\_NTNV

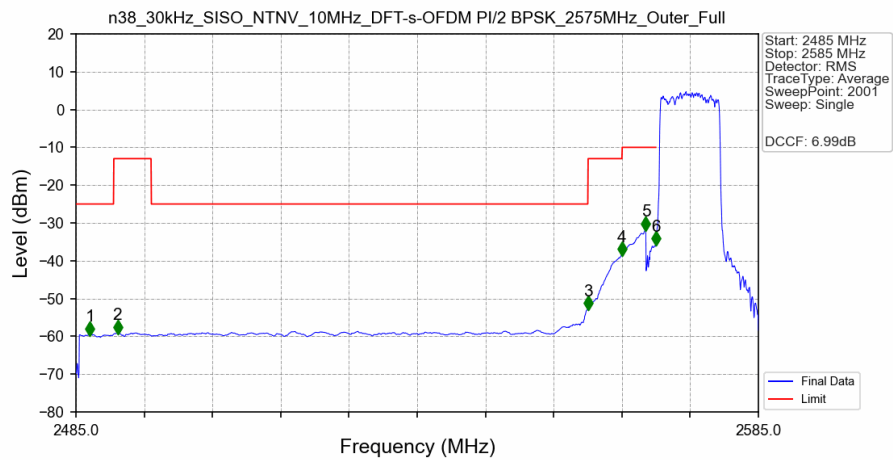


## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_2575MHz\_Edge\_1RB\_Left\_Ant2

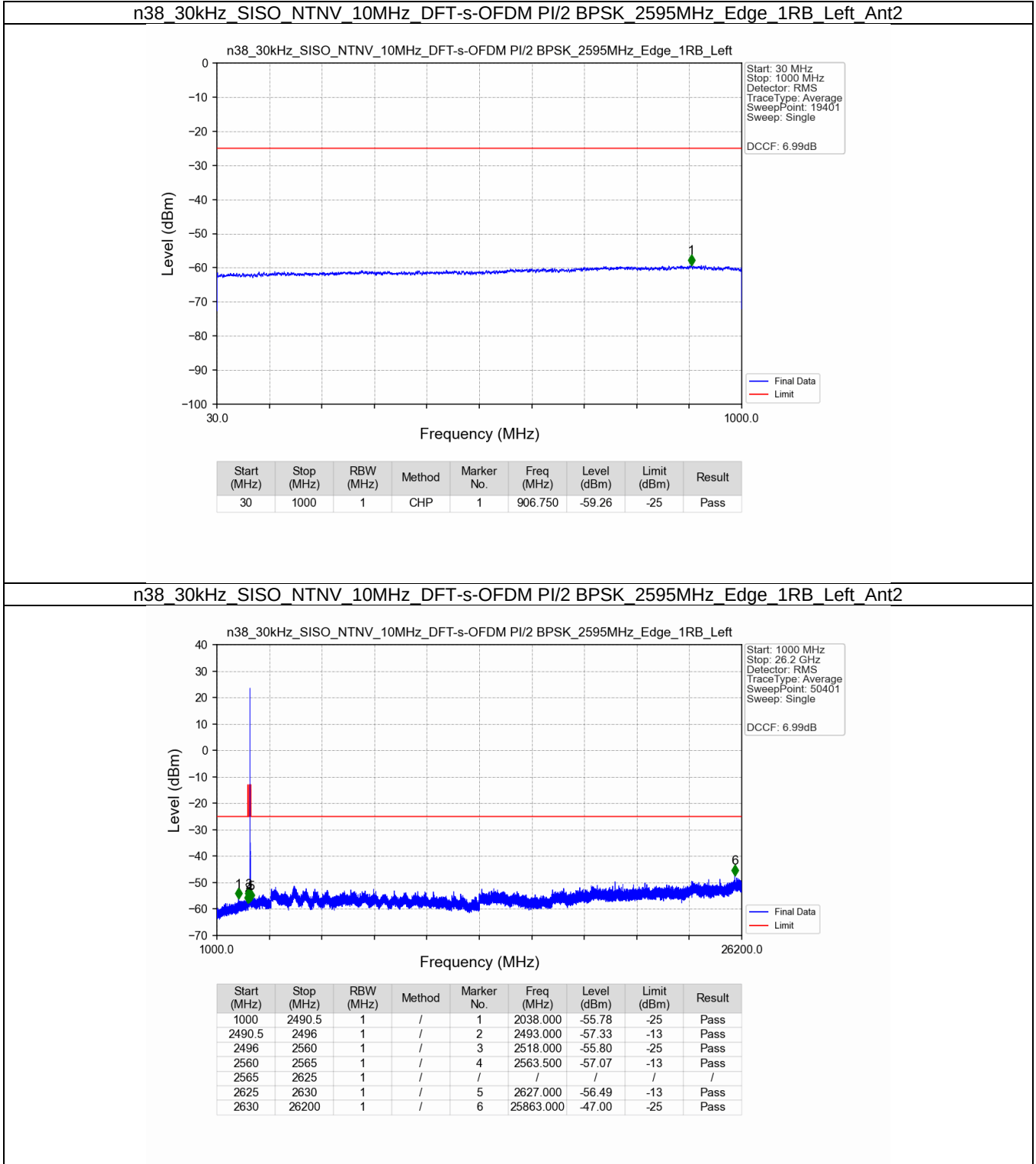


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2240.000   | -55.89      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2494.000   | -57.92      | -13         | Pass   |
| 2496        | 2560       | 1         | /      | 3          | 2502.000   | -55.10      | -25         | Pass   |
| 2560        | 2565       | 1         | /      | 4          | 2564.500   | -46.28      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2630       | 1         | /      | 5          | 2629.000   | -56.47      | -13         | Pass   |
| 2630        | 26200      | 1         | /      | 6          | 26073.500  | -46.80      | -25         | Pass   |

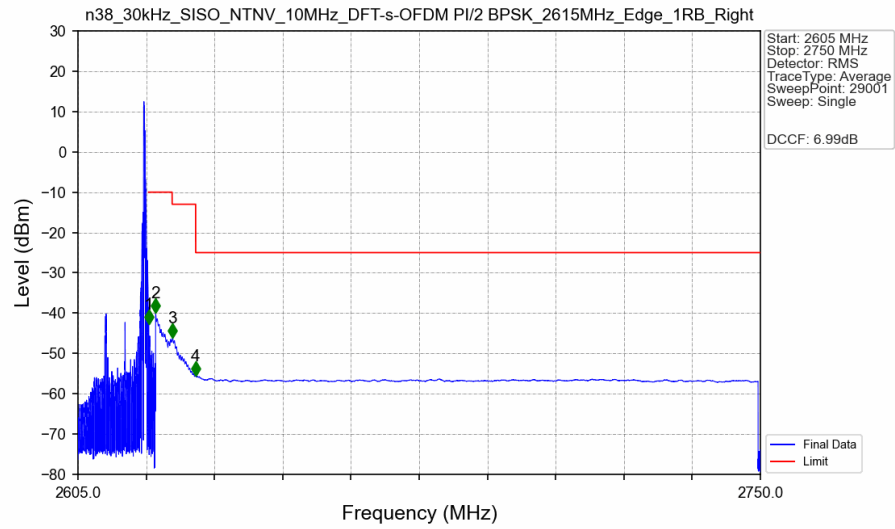
## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_2575MHz\_Outer\_Full\_Ant2



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2487.050   | -59.48      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2491.100   | -59.04      | -13         | Pass   |
| 2496        | 2560       | 1         | CHP    | 3          | 2560.000   | -52.77      | -25         | Pass   |
| 2560        | 2565       | 1         | CHP    | 4          | 2565.000   | -38.40      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -31.69      | -10         | Pass   |
| 2569        | 2570       | 0.19      | CHP    | 6          | 2569.950   | -35.68      | -10         | Pass   |
| 2570        | 2585       | 0.19      | CHP    | /          | /          | /           | /           | /      |

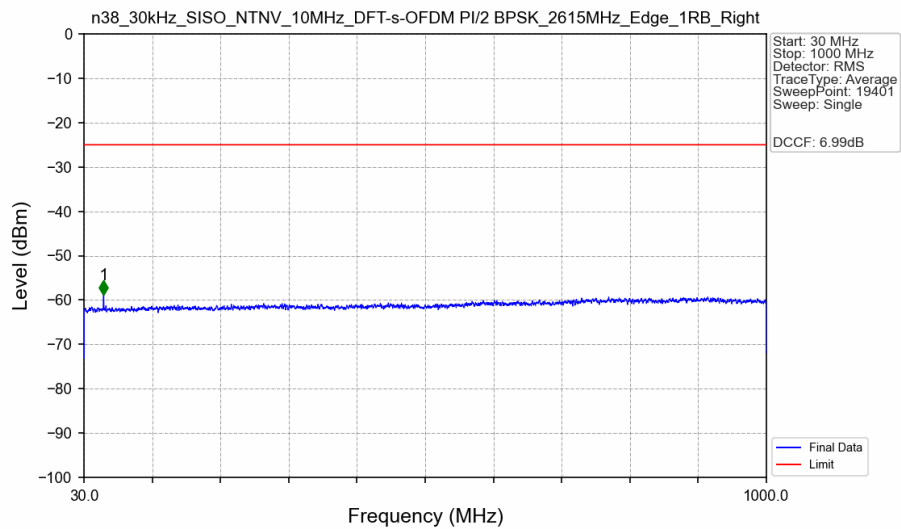


## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_2615MHz\_Edge\_1RB\_Right\_Ant2



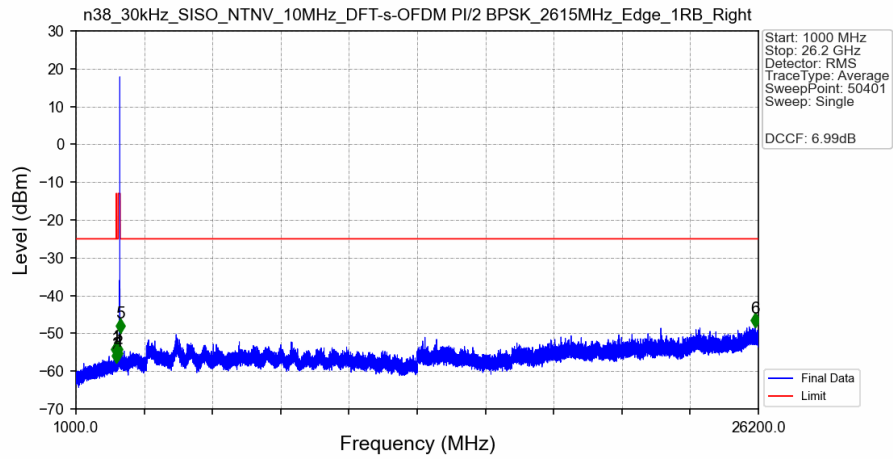
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2605        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.025   | -42.75      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.500   | -39.84      | -10         | Pass   |
| 2625        | 2630       | 1         | CHP    | 3          | 2625.090   | -46.12      | -13         | Pass   |
| 2630        | 2750       | 1         | CHP    | 4          | 2630.005   | -55.52      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_2615MHz\_Edge\_1RB\_Right\_Ant2



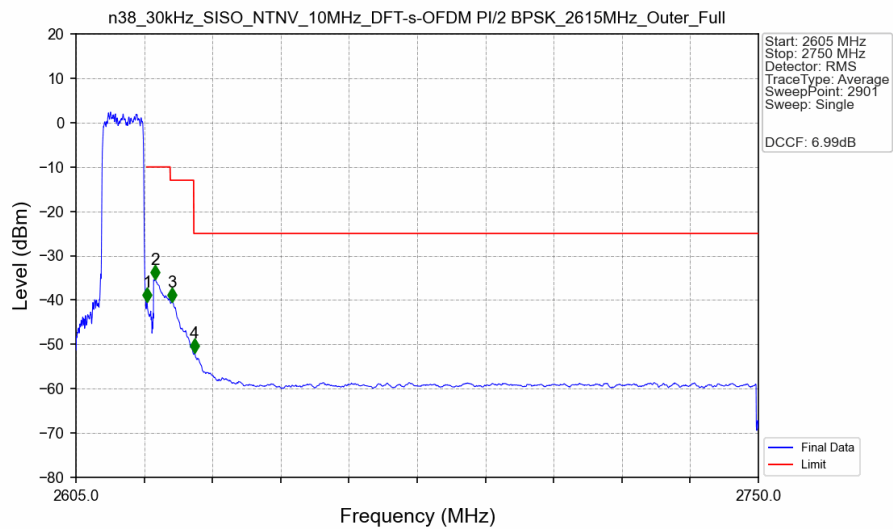
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 57.750     | -58.74      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_2615MHz\_Edge\_1RB\_Right\_Ant2



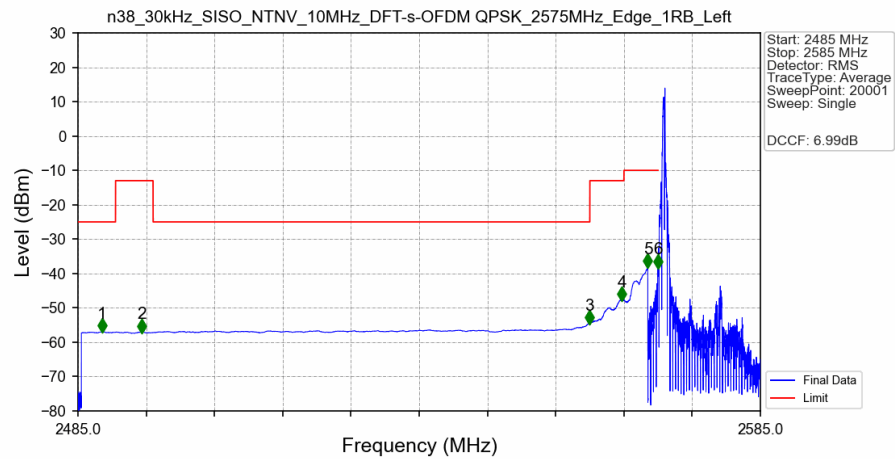
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2472.000   | -55.79      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2493.500   | -57.50      | -13         | Pass   |
| 2496        | 2560       | 1         | /      | 3          | 2546.500   | -55.69      | -25         | Pass   |
| 2560        | 2565       | 1         | /      | 4          | 2563.500   | -56.91      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2630       | 1         | /      | 5          | 2625.500   | -49.52      | -13         | Pass   |
| 2630        | 26200      | 1         | /      | 6          | 26078.000  | -48.15      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_2615MHz\_Outer\_Full\_Ant2



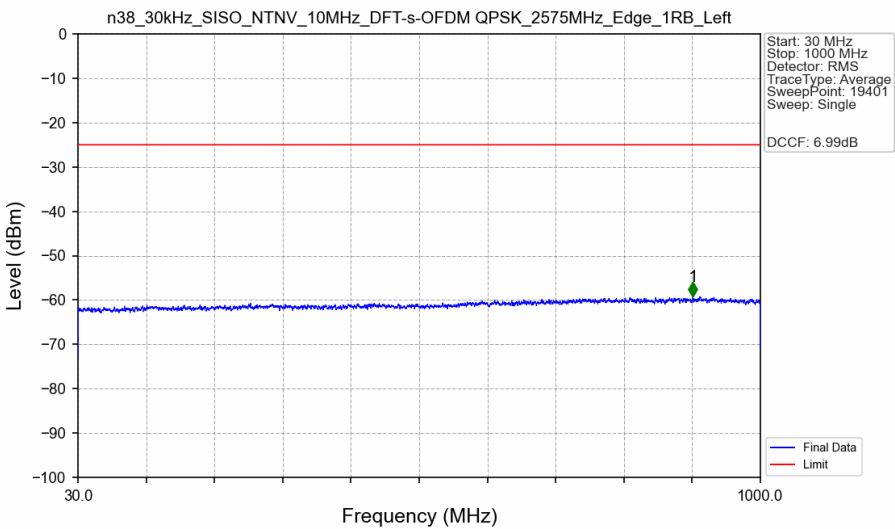
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2605        | 2620       | 0.19      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.19      | CHP    | 1          | 2620.100   | -40.47      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.800   | -35.35      | -10         | Pass   |
| 2625        | 2630       | 1         | CHP    | 3          | 2625.400   | -40.38      | -13         | Pass   |
| 2630        | 2750       | 1         | CHP    | 4          | 2630.200   | -51.91      | -25         | Pass   |

n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_2575MHz\_Edge\_1RB\_Left\_Ant2



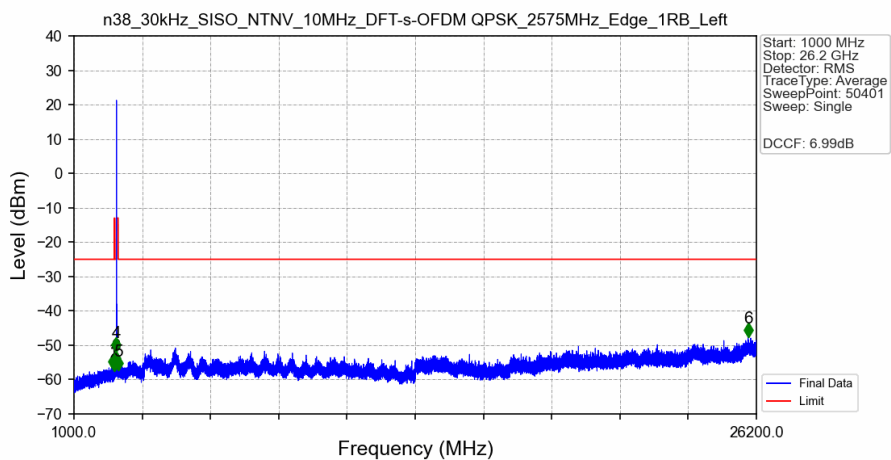
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2488.520   | -56.93      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2494.315   | -57.00      | -13         | Pass   |
| 2496        | 2560       | 1         | CHP    | 3          | 2559.995   | -54.49      | -25         | Pass   |
| 2560        | 2565       | 1         | CHP    | 4          | 2564.720   | -47.63      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -37.99      | -10         | Pass   |
| 2569        | 2570       | 0.02      | CHP    | 6          | 2569.955   | -38.18      | -10         | Pass   |
| 2570        | 2585       | 0.02      | CHP    | /          | /          | /           | /           | /      |

n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_2575MHz\_Edge\_1RB\_Left\_Ant2



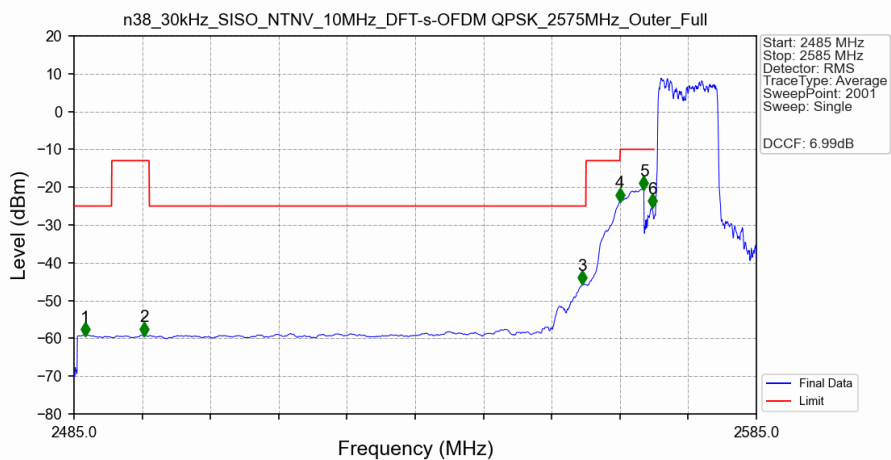
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 903.950    | -59.19      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_2575MHz\_Edge\_1RB\_Left\_Ant2



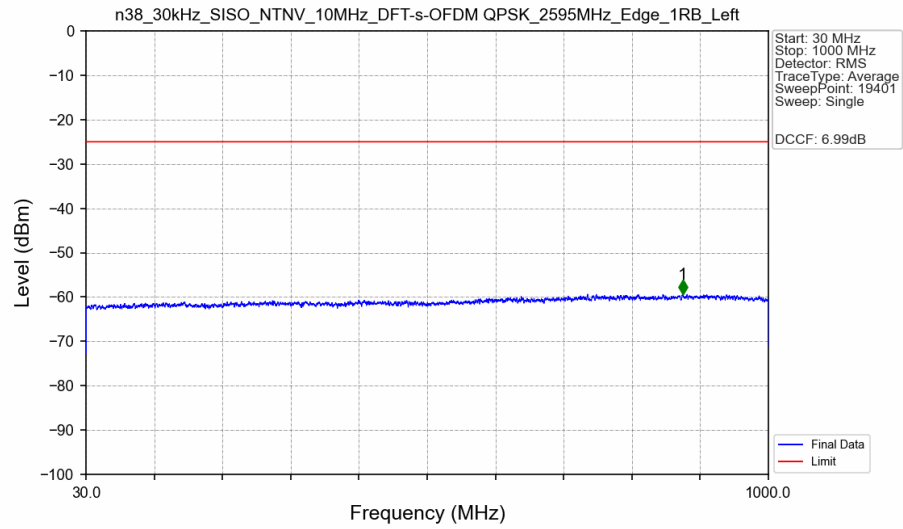
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2441.000   | -56.39      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2492.500   | -57.19      | -13         | Pass   |
| 2496        | 2560       | 1         | /      | 3          | 2557.500   | -55.46      | -25         | Pass   |
| 2560        | 2565       | 1         | /      | 4          | 2561.500   | -51.50      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2630       | 1         | /      | 5          | 2629.000   | -57.05      | -13         | Pass   |
| 2630        | 26200      | 1         | /      | 6          | 25891.000  | -47.36      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_2575MHz\_Outer\_Full\_Ant2



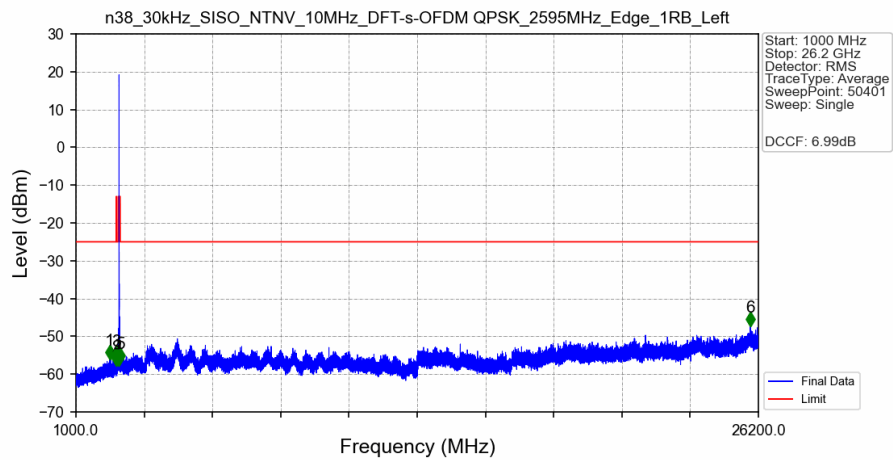
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2485        | 2490.5     | 1         | CHP    | 1          | 2486.600   | -59.13      | -25         | Pass   |
| 2490.5      | 2496       | 1         | CHP    | 2          | 2495.250   | -59.10      | -13         | Pass   |
| 2496        | 2560       | 1         | CHP    | 3          | 2559.500   | -45.50      | -25         | Pass   |
| 2560        | 2565       | 1         | CHP    | 4          | 2565.000   | -23.63      | -13         | Pass   |
| 2565        | 2569       | 1         | CHP    | 5          | 2568.500   | -20.49      | -10         | Pass   |
| 2569        | 2570       | 0.19      | CHP    | 6          | 2569.750   | -25.19      | -10         | Pass   |
| 2570        | 2585       | 0.19      | CHP    | /          | /          | /           | /           | /      |

## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_2595MHz\_Edge\_1RB\_Left\_Ant2



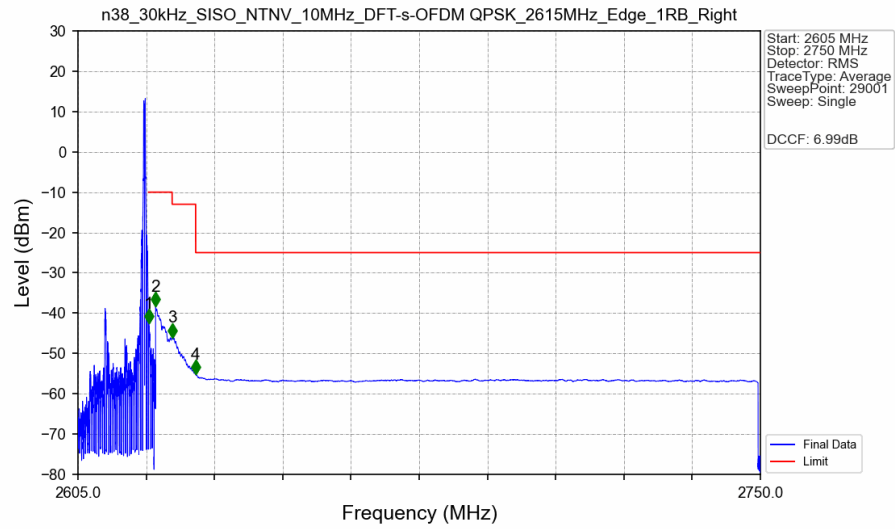
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 878.000    | -59.33      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_2595MHz\_Edge\_1RB\_Left\_Ant2



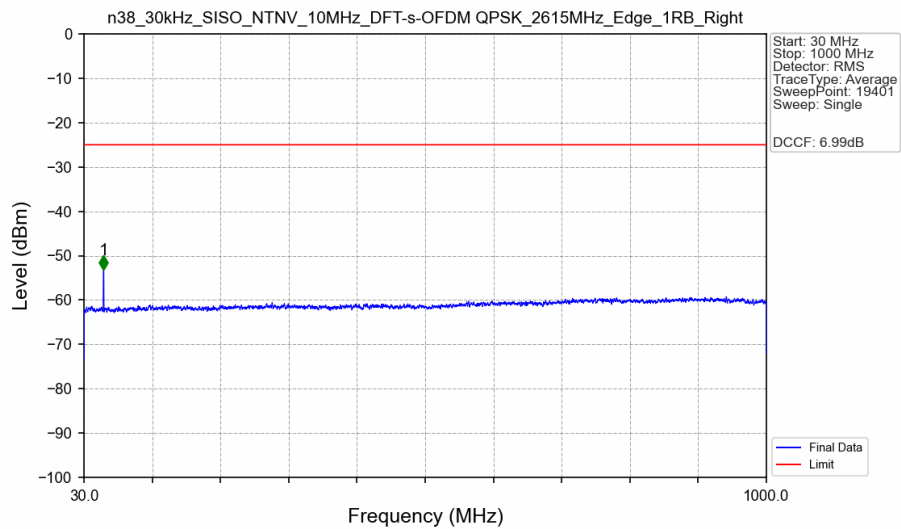
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 2490.5     | 1         | /      | 1          | 2251.500   | -55.83      | -25         | Pass   |
| 2490.5      | 2496       | 1         | /      | 2          | 2492.000   | -57.44      | -13         | Pass   |
| 2496        | 2560       | 1         | /      | 3          | 2502.000   | -56.11      | -25         | Pass   |
| 2560        | 2565       | 1         | /      | 4          | 2564.000   | -57.58      | -13         | Pass   |
| 2565        | 2625       | 1         | /      | /          | /          | /           | /           | /      |
| 2625        | 2630       | 1         | /      | 5          | 2628.500   | -56.62      | -13         | Pass   |
| 2630        | 26200      | 1         | /      | 6          | 25909.500  | -47.02      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_2615MHz\_Edge\_1RB\_Right\_Ant2



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 2605        | 2620       | 0.02      | CHP    | /          | /          | /           | /           | /      |
| 2620        | 2621       | 0.02      | CHP    | 1          | 2620.055   | -42.39      | -10         | Pass   |
| 2621        | 2625       | 1         | CHP    | 2          | 2621.500   | -38.32      | -10         | Pass   |
| 2625        | 2630       | 1         | CHP    | 3          | 2625.065   | -45.98      | -13         | Pass   |
| 2630        | 2750       | 1         | CHP    | 4          | 2630.005   | -55.15      | -25         | Pass   |

## n38\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_2615MHz\_Edge\_1RB\_Right\_Ant2



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 1000       | 1         | CHP    | 1          | 57.650     | -53.21      | -25         | Pass   |