

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

### 1.1 Test Result

#### 1.1.1 15k\_SISO\_5MHz\_NTNV\_EIRP

| 5G NR n25 SCS=15kHz SISO 5MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                   | 1852.5          | Edge_1RB_Left   | 18.93                | /    | /   | 20.48     | /    | /   | <=33  | Pass    |
|                                   |                 | Edge_1RB_Right  | 21.63                | /    | /   | 23.18     | /    | /   | <=33  | Pass    |
|                                   |                 | Outer_Full      | 21.14                | /    | /   | 22.69     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_Full      | 21.41                | /    | /   | 22.96     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Left  | 21.48                | /    | /   | 23.03     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Right | 22.03                | /    | /   | 23.58     | /    | /   | <=33  | Pass    |
|                                   | 1882.5          | Edge_1RB_Left   | 20.53                | /    | /   | 22.08     | /    | /   | <=33  | Pass    |
|                                   |                 | Edge_1RB_Right  | 20.76                | /    | /   | 22.31     | /    | /   | <=33  | Pass    |
|                                   |                 | Outer_Full      | 20.59                | /    | /   | 22.14     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_Full      | 20.85                | /    | /   | 22.4      | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Left  | 20.96                | /    | /   | 22.51     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Right | 21.15                | /    | /   | 22.7      | /    | /   | <=33  | Pass    |
|                                   | 1912.5          | Edge_1RB_Left   | 20                   | /    | /   | 21.55     | /    | /   | <=33  | Pass    |
|                                   |                 | Edge_1RB_Right  | 20.03                | /    | /   | 21.58     | /    | /   | <=33  | Pass    |
|                                   |                 | Outer_Full      | 20.39                | /    | /   | 21.94     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_Full      | 20.83                | /    | /   | 22.38     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Left  | 20.55                | /    | /   | 22.1      | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Right | 20.42                | /    | /   | 21.97     | /    | /   | <=33  | Pass    |
| DFT-s-OFDM 16 QAM                 | 1852.5          | Edge_1RB_Left   | 20.14                | /    | /   | 21.69     | /    | /   | <=33  | Pass    |
|                                   |                 | Edge_1RB_Right  | 20.75                | /    | /   | 22.3      | /    | /   | <=33  | Pass    |
|                                   |                 | Outer_Full      | 20.17                | /    | /   | 21.72     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_Full      | 20.42                | /    | /   | 21.97     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Left  | 20.53                | /    | /   | 22.08     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Right | 21.11                | /    | /   | 22.66     | /    | /   | <=33  | Pass    |
|                                   | 1882.5          | Edge_1RB_Left   | 19.43                | /    | /   | 20.98     | /    | /   | <=33  | Pass    |
|                                   |                 | Edge_1RB_Right  | 19.83                | /    | /   | 21.38     | /    | /   | <=33  | Pass    |
|                                   |                 | Outer_Full      | 19.31                | /    | /   | 20.86     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_Full      | 19.84                | /    | /   | 21.39     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Left  | 19.89                | /    | /   | 21.44     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Right | 20.25                | /    | /   | 21.8      | /    | /   | <=33  | Pass    |
|                                   | 1912.5          | Edge_1RB_Left   | 18.83                | /    | /   | 20.38     | /    | /   | <=33  | Pass    |
|                                   |                 | Edge_1RB_Right  | 18.75                | /    | /   | 20.3      | /    | /   | <=33  | Pass    |
|                                   |                 | Outer_Full      | 19.05                | /    | /   | 20.6      | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_Full      | 19.72                | /    | /   | 21.27     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Left  | 19.44                | /    | /   | 20.99     | /    | /   | <=33  | Pass    |
|                                   |                 | Inner_1RB_Right | 19.31                | /    | /   | 20.86     | /    | /   | <=33  | Pass    |
| DFT-s-OFDM 64 QAM                 | 1852.5          | Edge_1RB_Left   | 19.14                | /    | /   | 20.69     | /    | /   | <=33  | Pass    |
|                                   |                 | Edge_1RB_Right  | 19.76                | /    | /   | 21.31     | /    | /   | <=33  | Pass    |
|                                   |                 | Outer_Full      | 19.22                | /    | /   | 20.77     | /    | /   | <=33  | Pass    |

|                    |        |                 |       |   |   |       |   |   |      |      |
|--------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |        | Inner_Full      | 19.07 | / | / | 20.62 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 19.11 | / | / | 20.66 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 19.67 | / | / | 21.22 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 18.88 | / | / | 20.43 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.09 | / | / | 20.64 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.56 | / | / | 20.11 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 18.48 | / | / | 20.03 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 18.82 | / | / | 20.37 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 19.05 | / | / | 20.6  | / | / | <=33 | Pass |
|                    | 1912.5 | Edge_1RB_Left   | 18.4  | / | / | 19.95 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.28 | / | / | 19.83 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.55 | / | / | 20.1  | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 18.72 | / | / | 20.27 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 18.4  | / | / | 19.95 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.49 | / | / | 20.04 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 1852.5 | Edge_1RB_Left   | 17.43 | / | / | 18.98 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.07 | / | / | 19.62 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 17.56 | / | / | 19.11 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.48 | / | / | 19.03 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 17.42 | / | / | 18.97 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 17.98 | / | / | 19.53 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 16.89 | / | / | 18.44 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 17.14 | / | / | 18.69 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 16.95 | / | / | 18.5  | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 16.86 | / | / | 18.41 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 16.85 | / | / | 18.4  | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 17.09 | / | / | 18.64 | / | / | <=33 | Pass |
|                    | 1912.5 | Edge_1RB_Left   | 16.53 | / | / | 18.08 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 16.48 | / | / | 18.03 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 16.88 | / | / | 18.43 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.14 | / | / | 18.69 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 16.6  | / | / | 18.15 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 16.6  | / | / | 18.15 | / | / | <=33 | Pass |
| CP-OFDM QPSK       | 1852.5 | Edge_1RB_Left   | 19.01 | / | / | 20.56 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.61 | / | / | 21.16 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 19.18 | / | / | 20.73 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 19.77 | / | / | 21.32 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 19.79 | / | / | 21.34 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 20.32 | / | / | 21.87 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 18.59 | / | / | 20.14 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.79 | / | / | 20.34 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.57 | / | / | 20.12 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 19.17 | / | / | 20.72 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 19.29 | / | / | 20.84 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 19.45 | / | / | 21    | / | / | <=33 | Pass |
|                    | 1912.5 | Edge_1RB_Left   | 18.19 | / | / | 19.74 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.08 | / | / | 19.63 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.57 | / | / | 20.12 | / | / | <=33 | Pass |

|                 |        |                 |       |   |   |       |   |   |      |      |
|-----------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM 16 QAM  |        | Inner_Full      | 19.14 | / | / | 20.69 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 18.79 | / | / | 20.34 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 18.68 | / | / | 20.23 | / | / | <=33 | Pass |
|                 | 1852.5 | Edge_1RB_Left   | 18.67 | / | / | 20.22 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 19.25 | / | / | 20.8  | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 18.59 | / | / | 20.14 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 18.92 | / | / | 20.47 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 19.07 | / | / | 20.62 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 19.63 | / | / | 21.18 | / | / | <=33 | Pass |
|                 | 1882.5 | Edge_1RB_Left   | 18.29 | / | / | 19.84 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 18.51 | / | / | 20.06 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 18.04 | / | / | 19.59 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 18.43 | / | / | 19.98 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 18.76 | / | / | 20.31 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 18.94 | / | / | 20.49 | / | / | <=33 | Pass |
|                 | 1912.5 | Edge_1RB_Left   | 17.87 | / | / | 19.42 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 17.71 | / | / | 19.26 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 18.03 | / | / | 19.58 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 18.58 | / | / | 20.13 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 18.38 | / | / | 19.93 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 18.28 | / | / | 19.83 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM  | 1852.5 | Edge_1RB_Left   | 18.01 | / | / | 19.56 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 18.64 | / | / | 20.19 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 17.96 | / | / | 19.51 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 18.89 | / | / | 20.44 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 19.05 | / | / | 20.6  | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 19.62 | / | / | 21.17 | / | / | <=33 | Pass |
|                 | 1882.5 | Edge_1RB_Left   | 17.72 | / | / | 19.27 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 17.96 | / | / | 19.51 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 17.36 | / | / | 18.91 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 18.37 | / | / | 19.92 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 18.82 | / | / | 20.37 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 19.02 | / | / | 20.57 | / | / | <=33 | Pass |
|                 | 1912.5 | Edge_1RB_Left   | 17.27 | / | / | 18.82 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 17.18 | / | / | 18.73 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 17.34 | / | / | 18.89 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 18.58 | / | / | 20.13 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 18.34 | / | / | 19.89 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 18.32 | / | / | 19.87 | / | / | <=33 | Pass |
| CP-OFDM 256 QAM | 1852.5 | Edge_1RB_Left   | 15.37 | / | / | 16.92 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 16.05 | / | / | 17.6  | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 15.36 | / | / | 16.91 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 15.3  | / | / | 16.85 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 15.38 | / | / | 16.93 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 15.98 | / | / | 17.53 | / | / | <=33 | Pass |
|                 | 1882.5 | Edge_1RB_Left   | 15.01 | / | / | 16.56 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 15.31 | / | / | 16.86 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 14.81 | / | / | 16.36 | / | / | <=33 | Pass |

|                                                                                 |        |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |        | Inner_Full      | 14.79 | / | / | 16.34 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 15.01 | / | / | 16.56 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 15.25 | / | / | 16.8  | / | / | <=33 | Pass |
|                                                                                 | 1912.5 | Edge_1RB_Left   | 14.68 | / | / | 16.23 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 14.73 | / | / | 16.28 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 14.88 | / | / | 16.43 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 15.17 | / | / | 16.72 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 14.78 | / | / | 16.33 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 14.81 | / | / | 16.36 | / | / | <=33 | Pass |
|                                                                                 |        |                 |       |   |   |       |   |   |      |      |
| Note1: Antenna Gain: Ant1: 1.55dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |        |                 |       |   |   |       |   |   |      |      |

## 1.1.2 15k\_SISO\_10MHz\_NTNV\_EIRP

| 5G NR n25 SCS=15kHz SISO 10MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1855            | Edge_1RB_Left   | 9.23                 | /    | /   | 21.1      | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 10.27                | /    | /   | 24.14     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 9.48                 | /    | /   | 23.35     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 9.60                 | /    | /   | 23.47     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 8.94                 | /    | /   | 22.81     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 10.56                | /    | /   | 24.43     | /    | /   | <=33  | Pass    |
|                                    | 1882.5          | Edge_1RB_Left   | 8.91                 | /    | /   | 22.78     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 9.17                 | /    | /   | 23.04     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 8.46                 | /    | /   | 22.33     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 8.60                 | /    | /   | 22.47     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 8.68                 | /    | /   | 22.55     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 9.50                 | /    | /   | 23.37     | /    | /   | <=33  | Pass    |
|                                    | 1910            | Edge_1RB_Left   | 8.72                 | /    | /   | 22.59     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 8.64                 | /    | /   | 22.51     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 8.58                 | /    | /   | 22.45     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 8.72                 | /    | /   | 22.59     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 8.39                 | /    | /   | 22.26     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 8.98                 | /    | /   | 22.85     | /    | /   | <=33  | Pass    |
| DFT-s-OFDM 16 QAM                  | 1855            | Edge_1RB_Left   | 8.18                 | /    | /   | 22.05     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 9.21                 | /    | /   | 23.08     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 8.22                 | /    | /   | 22.09     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 8.58                 | /    | /   | 22.45     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 7.91                 | /    | /   | 21.78     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 9.57                 | /    | /   | 23.44     | /    | /   | <=33  | Pass    |
|                                    | 1882.5          | Edge_1RB_Left   | 7.82                 | /    | /   | 21.69     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 8.07                 | /    | /   | 21.94     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 7.11                 | /    | /   | 20.98     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 7.42                 | /    | /   | 21.29     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 7.66                 | /    | /   | 21.53     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 8.43                 | /    | /   | 22.3      | /    | /   | <=33  | Pass    |

|                    |        |                 |      |   |   |       |   |   |      |      |
|--------------------|--------|-----------------|------|---|---|-------|---|---|------|------|
|                    | 1910   | Edge_1RB_Left   | 7.49 | / | / | 21.36 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 7.49 | / | / | 21.36 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 7.30 | / | / | 21.17 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 7.61 | / | / | 21.48 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 7.08 | / | / | 20.95 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 7.78 | / | / | 21.65 | / | / | <=33 | Pass |
| DFT-s-OFDM 64 QAM  | 1855   | Edge_1RB_Left   | 7.61 | / | / | 21.48 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 8.65 | / | / | 22.52 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 7.50 | / | / | 21.37 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 7.48 | / | / | 21.35 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 6.93 | / | / | 20.8  | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 8.64 | / | / | 22.51 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 7.18 | / | / | 21.05 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 7.46 | / | / | 21.33 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 6.45 | / | / | 20.32 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 6.20 | / | / | 20.07 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 6.45 | / | / | 20.32 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 7.33 | / | / | 21.2  | / | / | <=33 | Pass |
|                    | 1910   | Edge_1RB_Left   | 6.94 | / | / | 20.81 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 6.89 | / | / | 20.76 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 6.62 | / | / | 20.49 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 6.52 | / | / | 20.39 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 6.22 | / | / | 20.09 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 6.91 | / | / | 20.78 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 1855   | Edge_1RB_Left   | 5.85 | / | / | 19.72 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 6.92 | / | / | 20.79 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 5.97 | / | / | 19.84 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 5.79 | / | / | 19.66 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 5.10 | / | / | 18.97 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 6.94 | / | / | 20.81 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 5.39 | / | / | 19.26 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 5.72 | / | / | 19.59 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 4.77 | / | / | 18.64 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 4.57 | / | / | 18.44 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 4.65 | / | / | 18.52 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 5.68 | / | / | 19.55 | / | / | <=33 | Pass |
|                    | 1910   | Edge_1RB_Left   | 5.11 | / | / | 18.98 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 5.17 | / | / | 19.04 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 5.04 | / | / | 18.91 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 4.90 | / | / | 18.77 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 4.37 | / | / | 18.24 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 5.28 | / | / | 19.15 | / | / | <=33 | Pass |
| CP-OFDM QPSK       | 1855   | Edge_1RB_Left   | 7.32 | / | / | 21.19 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 8.32 | / | / | 22.19 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 7.49 | / | / | 21.36 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 8.16 | / | / | 22.03 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 7.40 | / | / | 21.27 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 9.05 | / | / | 22.92 | / | / | <=33 | Pass |

|                |        |                 |      |   |   |       |   |   |      |      |
|----------------|--------|-----------------|------|---|---|-------|---|---|------|------|
|                | 1882.5 | Edge_1RB_Left   | 6.98 | / | / | 20.85 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 7.14 | / | / | 21.01 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 6.43 | / | / | 20.3  | / | / | <=33 | Pass |
|                |        | Inner_Full      | 6.94 | / | / | 20.81 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 6.98 | / | / | 20.85 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 7.74 | / | / | 21.61 | / | / | <=33 | Pass |
|                | 1910   | Edge_1RB_Left   | 6.85 | / | / | 20.72 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 6.72 | / | / | 20.59 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 6.71 | / | / | 20.58 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 7.17 | / | / | 21.04 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 6.71 | / | / | 20.58 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 7.26 | / | / | 21.13 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM | 1855   | Edge_1RB_Left   | 7.06 | / | / | 20.93 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 8.08 | / | / | 21.95 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 7.13 | / | / | 21    | / | / | <=33 | Pass |
|                |        | Inner_Full      | 7.48 | / | / | 21.35 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 6.89 | / | / | 20.76 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 8.56 | / | / | 22.43 | / | / | <=33 | Pass |
|                | 1882.5 | Edge_1RB_Left   | 6.71 | / | / | 20.58 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 6.96 | / | / | 20.83 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 5.95 | / | / | 19.82 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 6.20 | / | / | 20.07 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 6.45 | / | / | 20.32 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 7.31 | / | / | 21.18 | / | / | <=33 | Pass |
|                | 1910   | Edge_1RB_Left   | 6.50 | / | / | 20.37 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 6.47 | / | / | 20.34 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 6.19 | / | / | 20.06 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 6.52 | / | / | 20.39 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 6.28 | / | / | 20.15 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 6.90 | / | / | 20.77 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM | 1855   | Edge_1RB_Left   | 6.49 | / | / | 20.36 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 7.55 | / | / | 21.42 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 6.53 | / | / | 20.4  | / | / | <=33 | Pass |
|                |        | Inner_Full      | 7.50 | / | / | 21.37 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 6.84 | / | / | 20.71 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 8.68 | / | / | 22.55 | / | / | <=33 | Pass |
|                | 1882.5 | Edge_1RB_Left   | 6.06 | / | / | 19.93 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 6.36 | / | / | 20.23 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 5.35 | / | / | 19.22 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 6.23 | / | / | 20.1  | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 6.43 | / | / | 20.3  | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 7.40 | / | / | 21.27 | / | / | <=33 | Pass |
|                | 1910   | Edge_1RB_Left   | 5.82 | / | / | 19.69 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 5.80 | / | / | 19.67 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 5.53 | / | / | 19.4  | / | / | <=33 | Pass |
|                |        | Inner_Full      | 6.56 | / | / | 20.43 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 6.27 | / | / | 20.14 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 6.89 | / | / | 20.76 | / | / | <=33 | Pass |

|                                                                                 |        |                 |                 |      |   |       |       |   |      |      |
|---------------------------------------------------------------------------------|--------|-----------------|-----------------|------|---|-------|-------|---|------|------|
| CP-OFDM 256 QAM                                                                 | 1855   | Edge_1RB_Left   | 3.92            | /    | / | 17.79 | /     | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 4.82            | /    | / | 18.69 | /     | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 4.00            | /    | / | 17.87 | /     | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 3.76            | /    | / | 17.63 | /     | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 2.97            | /    | / | 16.84 | /     | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 4.86            | /    | / | 18.73 | /     | / | <=33 | Pass |
|                                                                                 | 1882.5 | Edge_1RB_Left   | 3.45            | /    | / | 17.32 | /     | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 3.83            | /    | / | 17.7  | /     | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 2.73            | /    | / | 16.6  | /     | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 2.58            | /    | / | 16.45 | /     | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 2.72            | /    | / | 16.59 | /     | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 3.77            | /    | / | 17.64 | /     | / | <=33 | Pass |
|                                                                                 | 1910   | Edge_1RB_Left   | 3.31            | /    | / | 17.18 | /     | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 3.44            | /    | / | 17.31 | /     | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 3.05            | /    | / | 16.92 | /     | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 3.05            | /    | / | 16.92 | /     | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 2.58            | /    | / | 16.45 | /     | / | <=33 | Pass |
|                                                                                 |        |                 | Inner_1RB_Right | 3.55 | / | /     | 17.42 | / | /    | <=33 |
| Note1: Antenna Gain: Ant1: 1.55dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |        |                 |                 |      |   |       |       |   |      |      |

### 1.1.3 15k\_SISO\_15MHz\_NTNV\_EIRP

| 5G NR n25 SCS=15kHz SISO 15MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1857.5          | Edge_1RB_Left   | 19.52                | /    | /   | 21.07     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.42                | /    | /   | 23.97     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 21.58                | /    | /   | 23.13     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 21.76                | /    | /   | 23.31     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.74                | /    | /   | 23.29     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 22.83                | /    | /   | 24.38     | /    | /   | <=33  | Pass    |
|                                    | 1882.5          | Edge_1RB_Left   | 21.96                | /    | /   | 23.51     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.34                | /    | /   | 23.89     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 21.22                | /    | /   | 22.77     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 21.26                | /    | /   | 22.81     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.15                | /    | /   | 23.7      | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 22.74                | /    | /   | 24.29     | /    | /   | <=33  | Pass    |
|                                    | 1907.5          | Edge_1RB_Left   | 21.62                | /    | /   | 23.17     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 20.64                | /    | /   | 22.19     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 20.31                | /    | /   | 21.86     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 19.91                | /    | /   | 21.46     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.68                | /    | /   | 23.23     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 20.95                | /    | /   | 22.5      | /    | /   | <=33  | Pass    |
| DFT-s-OFDM 16 QAM                  | 1857.5          | Edge_1RB_Left   | 20.33                | /    | /   | 21.88     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.22                | /    | /   | 22.77     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 20.32                | /    | /   | 21.87     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 20.58                | /    | /   | 22.13     | /    | /   | <=33  | Pass    |

|                    |        |                 |       |   |   |       |   |   |      |      |
|--------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |        | Inner_1RB_Left  | 20.44 | / | / | 21.99 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 21.58 | / | / | 23.13 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 20.87 | / | / | 22.42 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 21.34 | / | / | 22.89 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 19.97 | / | / | 21.52 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 19.97 | / | / | 21.52 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 21.09 | / | / | 22.64 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 21.66 | / | / | 23.21 | / | / | <=33 | Pass |
|                    | 1907.5 | Edge_1RB_Left   | 20.49 | / | / | 22.04 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.53 | / | / | 21.08 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.97 | / | / | 20.52 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 18.75 | / | / | 20.3  | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 20.67 | / | / | 22.22 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 20.01 | / | / | 21.56 | / | / | <=33 | Pass |
| DFT-s-OFDM 64 QAM  | 1857.5 | Edge_1RB_Left   | 19.6  | / | / | 21.15 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 20.49 | / | / | 22.04 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 19.64 | / | / | 21.19 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 19.46 | / | / | 21.01 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 19.38 | / | / | 20.93 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 20.58 | / | / | 22.13 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 20.19 | / | / | 21.74 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 20.76 | / | / | 22.31 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 19.21 | / | / | 20.76 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 18.77 | / | / | 20.32 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 19.98 | / | / | 21.53 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 20.7  | / | / | 22.25 | / | / | <=33 | Pass |
|                    | 1907.5 | Edge_1RB_Left   | 19.79 | / | / | 21.34 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.87 | / | / | 20.42 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.19 | / | / | 19.74 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.61 | / | / | 19.16 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 19.58 | / | / | 21.13 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 19.02 | / | / | 20.57 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 1857.5 | Edge_1RB_Left   | 17.78 | / | / | 19.33 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.69 | / | / | 20.24 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.01 | / | / | 19.56 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.9  | / | / | 19.45 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 17.64 | / | / | 19.19 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.87 | / | / | 20.42 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 18.46 | / | / | 20.01 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.17 | / | / | 20.72 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 17.64 | / | / | 19.19 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.04 | / | / | 18.59 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 18.09 | / | / | 19.64 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.95 | / | / | 20.5  | / | / | <=33 | Pass |
|                    | 1907.5 | Edge_1RB_Left   | 18.21 | / | / | 19.76 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 17.27 | / | / | 18.82 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 16.75 | / | / | 18.3  | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 16.09 | / | / | 17.64 | / | / | <=33 | Pass |

|                |        |                 |       |   |   |       |   |   |      |      |
|----------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM QPSK   |        | Inner_1RB_Left  | 17.91 | / | / | 19.46 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 17.38 | / | / | 18.93 | / | / | <=33 | Pass |
|                | 1857.5 | Edge_1RB_Left   | 19.47 | / | / | 21.02 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 20.28 | / | / | 21.83 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 19.71 | / | / | 21.26 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.2  | / | / | 21.75 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 19.92 | / | / | 21.47 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.05 | / | / | 22.6  | / | / | <=33 | Pass |
|                | 1882.5 | Edge_1RB_Left   | 19.89 | / | / | 21.44 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 20.33 | / | / | 21.88 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 19.19 | / | / | 20.74 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 19.43 | / | / | 20.98 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 20.42 | / | / | 21.97 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 20.86 | / | / | 22.41 | / | / | <=33 | Pass |
|                | 1907.5 | Edge_1RB_Left   | 19.63 | / | / | 21.18 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 18.64 | / | / | 20.19 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 18.33 | / | / | 19.88 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 18.41 | / | / | 19.96 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 20.16 | / | / | 21.71 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 19.34 | / | / | 20.89 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM | 1857.5 | Edge_1RB_Left   | 19.24 | / | / | 20.79 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 20.04 | / | / | 21.59 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 19.2  | / | / | 20.75 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 19.52 | / | / | 21.07 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 19.39 | / | / | 20.94 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 20.53 | / | / | 22.08 | / | / | <=33 | Pass |
|                | 1882.5 | Edge_1RB_Left   | 19.7  | / | / | 21.25 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 20.14 | / | / | 21.69 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 18.72 | / | / | 20.27 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 18.7  | / | / | 20.25 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 19.92 | / | / | 21.47 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 20.47 | / | / | 22.02 | / | / | <=33 | Pass |
|                | 1907.5 | Edge_1RB_Left   | 19.42 | / | / | 20.97 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 18.42 | / | / | 19.97 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 17.82 | / | / | 19.37 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 17.66 | / | / | 19.21 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 19.59 | / | / | 21.14 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 18.88 | / | / | 20.43 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM | 1857.5 | Edge_1RB_Left   | 18.57 | / | / | 20.12 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 19.48 | / | / | 21.03 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 18.59 | / | / | 20.14 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 19.56 | / | / | 21.11 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 19.44 | / | / | 20.99 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 20.59 | / | / | 22.14 | / | / | <=33 | Pass |
|                | 1882.5 | Edge_1RB_Left   | 19.19 | / | / | 20.74 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 19.7  | / | / | 21.25 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 18.09 | / | / | 19.64 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 18.73 | / | / | 20.28 | / | / | <=33 | Pass |

|                 |        |                 |       |   |   |       |   |   |      |      |
|-----------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM 256 QAM |        | Inner_1RB_Left  | 20.02 | / | / | 21.57 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 20.56 | / | / | 22.11 | / | / | <=33 | Pass |
|                 | 1907.5 | Edge_1RB_Left   | 18.88 | / | / | 20.43 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 17.94 | / | / | 19.49 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 17.32 | / | / | 18.87 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 17.68 | / | / | 19.23 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 19.54 | / | / | 21.09 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 18.86 | / | / | 20.41 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Left   | 15.98 | / | / | 17.53 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 16.91 | / | / | 18.46 | / | / | <=33 | Pass |
|                 | 1857.5 | Outer_Full      | 16.05 | / | / | 17.6  | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 15.75 | / | / | 17.3  | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 15.79 | / | / | 17.34 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 17.02 | / | / | 18.57 | / | / | <=33 | Pass |
|                 | 1882.5 | Edge_1RB_Left   | 16.46 | / | / | 18.01 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 17.15 | / | / | 18.7  | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 15.52 | / | / | 17.07 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 15.01 | / | / | 16.56 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 16.19 | / | / | 17.74 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 17.1  | / | / | 18.65 | / | / | <=33 | Pass |
|                 | 1907.5 | Edge_1RB_Left   | 16.2  | / | / | 17.75 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 15.31 | / | / | 16.86 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 14.57 | / | / | 16.12 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 13.95 | / | / | 15.5  | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 15.89 | / | / | 17.44 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 15.28 | / | / | 16.83 | / | / | <=33 | Pass |

Note1: Antenna Gain: Ant1: 1.55dBi;  
Note2: EIRP=Conducted Power+Antenna Gain

## 1.1.4 15k\_SISO\_20MHz\_NTNV\_EIRP

| 5G NR n25 SCS=15kHz SISO 20MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1860            | Edge_1RB_Left   | 19.46                | /    | /   | 21.01     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.62                | /    | /   | 23.17     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 21.47                | /    | /   | 23.02     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 21.87                | /    | /   | 23.42     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.72                | /    | /   | 23.27     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 22.05                | /    | /   | 23.6      | /    | /   | <=33  | Pass    |
|                                    | 1882.5          | Edge_1RB_Left   | 22.4                 | /    | /   | 23.95     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.58                | /    | /   | 24.13     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 21.36                | /    | /   | 22.91     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 21.16                | /    | /   | 22.71     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.78                | /    | /   | 24.33     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 22.96                | /    | /   | 24.51     | /    | /   | <=33  | Pass    |
|                                    | 1905            | Edge_1RB_Left   | 22.33                | /    | /   | 23.88     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 20.44                | /    | /   | 21.99     | /    | /   | <=33  | Pass    |

|                    |        |                 |       |   |   |       |   |   |      |      |
|--------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM 16 QAM  |        | Outer_Full      | 20.31 | / | / | 21.86 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 19.67 | / | / | 21.22 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 22.36 | / | / | 23.91 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 20.85 | / | / | 22.4  | / | / | <=33 | Pass |
|                    | 1860   | Edge_1RB_Left   | 20.34 | / | / | 21.89 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 20.45 | / | / | 22    | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 20.19 | / | / | 21.74 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 20.69 | / | / | 22.24 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 20.64 | / | / | 22.19 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 20.96 | / | / | 22.51 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 21.31 | / | / | 22.86 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 21.59 | / | / | 23.14 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 20.08 | / | / | 21.63 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 19.87 | / | / | 21.42 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 21.56 | / | / | 23.11 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 21.93 | / | / | 23.48 | / | / | <=33 | Pass |
|                    | 1905   | Edge_1RB_Left   | 21.2  | / | / | 22.75 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.41 | / | / | 20.96 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 19.01 | / | / | 20.56 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 18.61 | / | / | 20.16 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 21.4  | / | / | 22.95 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 19.9  | / | / | 21.45 | / | / | <=33 | Pass |
| DFT-s-OFDM 64 QAM  | 1860   | Edge_1RB_Left   | 19.8  | / | / | 21.35 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.9  | / | / | 21.45 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 19.55 | / | / | 21.1  | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 19.63 | / | / | 21.18 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 19.63 | / | / | 21.18 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 19.86 | / | / | 21.41 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 20.47 | / | / | 22.02 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 21.12 | / | / | 22.67 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 19.32 | / | / | 20.87 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 18.63 | / | / | 20.18 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 20.43 | / | / | 21.98 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 21.13 | / | / | 22.68 | / | / | <=33 | Pass |
|                    | 1905   | Edge_1RB_Left   | 20.62 | / | / | 22.17 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.84 | / | / | 20.39 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.34 | / | / | 19.89 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.46 | / | / | 19.01 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 20.39 | / | / | 21.94 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.87 | / | / | 20.42 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 1860   | Edge_1RB_Left   | 17.87 | / | / | 19.42 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 17.93 | / | / | 19.48 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 17.92 | / | / | 19.47 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.98 | / | / | 19.53 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 17.71 | / | / | 19.26 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.02 | / | / | 19.57 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 18.88 | / | / | 20.43 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.44 | / | / | 20.99 | / | / | <=33 | Pass |

|                |        |                 |       |   |   |       |   |   |      |      |
|----------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                |        | Outer_Full      | 17.75 | / | / | 19.3  | / | / | <=33 | Pass |
|                |        | Inner_Full      | 17.07 | / | / | 18.62 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 18.71 | / | / | 20.26 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 19.47 | / | / | 21.02 | / | / | <=33 | Pass |
|                | 1905   | Edge_1RB_Left   | 19.08 | / | / | 20.63 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 17.21 | / | / | 18.76 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 16.96 | / | / | 18.51 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 15.95 | / | / | 17.5  | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 18.9  | / | / | 20.45 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 17.34 | / | / | 18.89 | / | / | <=33 | Pass |
| CP-OFDM QPSK   | 1860   | Edge_1RB_Left   | 19.68 | / | / | 21.23 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 19.85 | / | / | 21.4  | / | / | <=33 | Pass |
|                |        | Outer_Full      | 19.72 | / | / | 21.27 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 20.24 | / | / | 21.79 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 20.04 | / | / | 21.59 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 20.32 | / | / | 21.87 | / | / | <=33 | Pass |
|                | 1882.5 | Edge_1RB_Left   | 20.36 | / | / | 21.91 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 20.68 | / | / | 22.23 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 19.49 | / | / | 21.04 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 19.44 | / | / | 20.99 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 20.98 | / | / | 22.53 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 21.12 | / | / | 22.67 | / | / | <=33 | Pass |
|                | 1905   | Edge_1RB_Left   | 20.26 | / | / | 21.81 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 18.5  | / | / | 20.05 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 18.39 | / | / | 19.94 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 18.26 | / | / | 19.81 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 20.63 | / | / | 22.18 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 19.18 | / | / | 20.73 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM | 1860   | Edge_1RB_Left   | 19.41 | / | / | 20.96 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 19.58 | / | / | 21.13 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 19.16 | / | / | 20.71 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 19.69 | / | / | 21.24 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 19.72 | / | / | 21.27 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 19.99 | / | / | 21.54 | / | / | <=33 | Pass |
|                | 1882.5 | Edge_1RB_Left   | 20.17 | / | / | 21.72 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 20.45 | / | / | 22    | / | / | <=33 | Pass |
|                |        | Outer_Full      | 18.98 | / | / | 20.53 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 18.74 | / | / | 20.29 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 20.44 | / | / | 21.99 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 20.74 | / | / | 22.29 | / | / | <=33 | Pass |
|                | 1905   | Edge_1RB_Left   | 20.41 | / | / | 21.96 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 18.51 | / | / | 20.06 | / | / | <=33 | Pass |
|                |        | Outer_Full      | 18.01 | / | / | 19.56 | / | / | <=33 | Pass |
|                |        | Inner_Full      | 17.52 | / | / | 19.07 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Left  | 20.54 | / | / | 22.09 | / | / | <=33 | Pass |
|                |        | Inner_1RB_Right | 18.66 | / | / | 20.21 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM | 1860   | Edge_1RB_Left   | 18.68 | / | / | 20.23 | / | / | <=33 | Pass |
|                |        | Edge_1RB_Right  | 18.83 | / | / | 20.38 | / | / | <=33 | Pass |

|                                                                                 |        |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |        | Outer_Full      | 18.49 | / | / | 20.04 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 19.68 | / | / | 21.23 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 19.84 | / | / | 21.39 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 20.12 | / | / | 21.67 | / | / | <=33 | Pass |
|                                                                                 | 1882.5 | Edge_1RB_Left   | 19.78 | / | / | 21.33 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 19.91 | / | / | 21.46 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 18.42 | / | / | 19.97 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 18.74 | / | / | 20.29 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 20.47 | / | / | 22.02 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 20.78 | / | / | 22.33 | / | / | <=33 | Pass |
|                                                                                 | 1905   | Edge_1RB_Left   | 19.54 | / | / | 21.09 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 17.86 | / | / | 19.41 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 17.52 | / | / | 19.07 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 17.49 | / | / | 19.04 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 20.32 | / | / | 21.87 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 18.75 | / | / | 20.3  | / | / | <=33 | Pass |
| CP-OFDM 256 QAM                                                                 | 1860   | Edge_1RB_Left   | 15.99 | / | / | 17.54 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 16.13 | / | / | 17.68 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 15.92 | / | / | 17.47 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 15.97 | / | / | 17.52 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 15.83 | / | / | 17.38 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 16.14 | / | / | 17.69 | / | / | <=33 | Pass |
|                                                                                 | 1882.5 | Edge_1RB_Left   | 16.82 | / | / | 18.37 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 17.45 | / | / | 19    | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 15.73 | / | / | 17.28 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 14.52 | / | / | 16.07 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 16.09 | / | / | 17.64 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 16.98 | / | / | 18.53 | / | / | <=33 | Pass |
|                                                                                 | 1905   | Edge_1RB_Left   | 17.21 | / | / | 18.76 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 15.35 | / | / | 16.9  | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 14.88 | / | / | 16.43 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 14.02 | / | / | 15.57 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 17.09 | / | / | 18.64 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 15.47 | / | / | 17.02 | / | / | <=33 | Pass |
| Note1: Antenna Gain: Ant1: 1.55dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |        |                 |       |   |   |       |   |   |      |      |

## 1.1.5 30k\_SISO\_10MHz\_NTNV\_EIRP

| 5G NR n25 SCS=30kHz SISO 10MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1855            | Edge_1RB_Left   | 19.88                | /    | /   | 21.43     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 20.68                | /    | /   | 22.23     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 20.31                | /    | /   | 21.86     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 20.28                | /    | /   | 21.83     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.01                | /    | /   | 21.56     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 20.98                | /    | /   | 22.53     | /    | /   | <=33  | Pass    |

|                   |        |                 |       |   |   |       |   |   |      |      |
|-------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                   | 1882.5 | Edge_1RB_Left   | 18.7  | / | / | 20.25 | / | / | <=33 | Pass |
|                   |        | Edge_1RB_Right  | 19.11 | / | / | 20.66 | / | / | <=33 | Pass |
|                   |        | Outer_Full      | 18.72 | / | / | 20.27 | / | / | <=33 | Pass |
|                   |        | Inner_Full      | 18.83 | / | / | 20.38 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Left  | 18.88 | / | / | 20.43 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Right | 19.49 | / | / | 21.04 | / | / | <=33 | Pass |
|                   | 1910   | Edge_1RB_Left   | 18.66 | / | / | 20.21 | / | / | <=33 | Pass |
|                   |        | Edge_1RB_Right  | 18.77 | / | / | 20.32 | / | / | <=33 | Pass |
|                   |        | Outer_Full      | 18.93 | / | / | 20.48 | / | / | <=33 | Pass |
|                   |        | Inner_Full      | 18.93 | / | / | 20.48 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Left  | 18.8  | / | / | 20.35 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Right | 19.31 | / | / | 20.86 | / | / | <=33 | Pass |
| DFT-s-OFDM 16 QAM | 1855   | Edge_1RB_Left   | 18.35 | / | / | 19.9  | / | / | <=33 | Pass |
|                   |        | Edge_1RB_Right  | 19.08 | / | / | 20.63 | / | / | <=33 | Pass |
|                   |        | Outer_Full      | 18.53 | / | / | 20.08 | / | / | <=33 | Pass |
|                   |        | Inner_Full      | 18.79 | / | / | 20.34 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Left  | 18.57 | / | / | 20.12 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Right | 19.57 | / | / | 21.12 | / | / | <=33 | Pass |
|                   | 1882.5 | Edge_1RB_Left   | 17.56 | / | / | 19.11 | / | / | <=33 | Pass |
|                   |        | Edge_1RB_Right  | 18.05 | / | / | 19.6  | / | / | <=33 | Pass |
|                   |        | Outer_Full      | 17.4  | / | / | 18.95 | / | / | <=33 | Pass |
|                   |        | Inner_Full      | 17.68 | / | / | 19.23 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Left  | 17.81 | / | / | 19.36 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Right | 18.42 | / | / | 19.97 | / | / | <=33 | Pass |
|                   | 1910   | Edge_1RB_Left   | 17.49 | / | / | 19.04 | / | / | <=33 | Pass |
|                   |        | Edge_1RB_Right  | 17.65 | / | / | 19.2  | / | / | <=33 | Pass |
|                   |        | Outer_Full      | 17.58 | / | / | 19.13 | / | / | <=33 | Pass |
|                   |        | Inner_Full      | 17.87 | / | / | 19.42 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Left  | 17.76 | / | / | 19.31 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Right | 18.33 | / | / | 19.88 | / | / | <=33 | Pass |
| DFT-s-OFDM 64 QAM | 1855   | Edge_1RB_Left   | 17.38 | / | / | 18.93 | / | / | <=33 | Pass |
|                   |        | Edge_1RB_Right  | 18.25 | / | / | 19.8  | / | / | <=33 | Pass |
|                   |        | Outer_Full      | 17.62 | / | / | 19.17 | / | / | <=33 | Pass |
|                   |        | Inner_Full      | 17.5  | / | / | 19.05 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Left  | 17.27 | / | / | 18.82 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Right | 18.19 | / | / | 19.74 | / | / | <=33 | Pass |
|                   | 1882.5 | Edge_1RB_Left   | 16.75 | / | / | 18.3  | / | / | <=33 | Pass |
|                   |        | Edge_1RB_Right  | 17.28 | / | / | 18.83 | / | / | <=33 | Pass |
|                   |        | Outer_Full      | 16.57 | / | / | 18.12 | / | / | <=33 | Pass |
|                   |        | Inner_Full      | 16.41 | / | / | 17.96 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Left  | 16.53 | / | / | 18.08 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Right | 17.31 | / | / | 18.86 | / | / | <=33 | Pass |
|                   | 1910   | Edge_1RB_Left   | 16.86 | / | / | 18.41 | / | / | <=33 | Pass |
|                   |        | Edge_1RB_Right  | 17.03 | / | / | 18.58 | / | / | <=33 | Pass |
|                   |        | Outer_Full      | 16.84 | / | / | 18.39 | / | / | <=33 | Pass |
|                   |        | Inner_Full      | 16.74 | / | / | 18.29 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Left  | 16.63 | / | / | 18.18 | / | / | <=33 | Pass |
|                   |        | Inner_1RB_Right | 17.19 | / | / | 18.74 | / | / | <=33 | Pass |

|                    |        |                 |       |   |   |       |   |   |      |      |
|--------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM 256 QAM | 1855   | Edge_1RB_Left   | 15.94 | / | / | 17.49 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 16.69 | / | / | 18.24 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 16.2  | / | / | 17.75 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 16.07 | / | / | 17.62 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 15.68 | / | / | 17.23 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 16.79 | / | / | 18.34 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 14.97 | / | / | 16.52 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 15.56 | / | / | 17.11 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 14.94 | / | / | 16.49 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 14.79 | / | / | 16.34 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 14.75 | / | / | 16.3  | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 15.57 | / | / | 17.12 | / | / | <=33 | Pass |
|                    | 1910   | Edge_1RB_Left   | 15.19 | / | / | 16.74 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 15.45 | / | / | 17    | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 15.34 | / | / | 16.89 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 15.21 | / | / | 16.76 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 14.96 | / | / | 16.51 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 15.73 | / | / | 17.28 | / | / | <=33 | Pass |
| CP-OFDM QPSK       | 1855   | Edge_1RB_Left   | 17.32 | / | / | 18.87 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.04 | / | / | 19.59 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 17.76 | / | / | 19.31 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 18.2  | / | / | 19.75 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 17.78 | / | / | 19.33 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.75 | / | / | 20.3  | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 16.67 | / | / | 18.22 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 17.05 | / | / | 18.6  | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 16.61 | / | / | 18.16 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.15 | / | / | 18.7  | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 17.16 | / | / | 18.71 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 17.74 | / | / | 19.29 | / | / | <=33 | Pass |
|                    | 1910   | Edge_1RB_Left   | 16.69 | / | / | 18.24 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 16.75 | / | / | 18.3  | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 16.87 | / | / | 18.42 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.31 | / | / | 18.86 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 17.14 | / | / | 18.69 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 17.61 | / | / | 19.16 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM     | 1855   | Edge_1RB_Left   | 16.95 | / | / | 18.5  | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 17.67 | / | / | 19.22 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 17.06 | / | / | 18.61 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.43 | / | / | 18.98 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 17.18 | / | / | 18.73 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.19 | / | / | 19.74 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 16.29 | / | / | 17.84 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 16.72 | / | / | 18.27 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 16.06 | / | / | 17.61 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 16.4  | / | / | 17.95 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 16.54 | / | / | 18.09 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 17.19 | / | / | 18.74 | / | / | <=33 | Pass |

|                                                                                 |        |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 | 1910   | Edge_1RB_Left   | 16.38 | / | / | 17.93 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 16.47 | / | / | 18.02 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 16.33 | / | / | 17.88 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 16.67 | / | / | 18.22 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 16.62 | / | / | 18.17 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 17.18 | / | / | 18.73 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM                                                                  | 1855   | Edge_1RB_Left   | 16.58 | / | / | 18.13 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 17.29 | / | / | 18.84 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 16.53 | / | / | 18.08 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 17.38 | / | / | 18.93 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 17.2  | / | / | 18.75 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 18.3  | / | / | 19.85 | / | / | <=33 | Pass |
|                                                                                 | 1882.5 | Edge_1RB_Left   | 15.76 | / | / | 17.31 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 16.25 | / | / | 17.8  | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 15.4  | / | / | 16.95 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 16.41 | / | / | 17.96 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 16.71 | / | / | 18.26 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 17.35 | / | / | 18.9  | / | / | <=33 | Pass |
|                                                                                 | 1910   | Edge_1RB_Left   | 15.91 | / | / | 17.46 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 16.07 | / | / | 17.62 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 15.72 | / | / | 17.27 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 16.67 | / | / | 18.22 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 16.78 | / | / | 18.33 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 17.31 | / | / | 18.86 | / | / | <=33 | Pass |
| CP-OFDM 256 QAM                                                                 | 1855   | Edge_1RB_Left   | 13.8  | / | / | 15.35 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 14.63 | / | / | 16.18 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 13.93 | / | / | 15.48 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 13.93 | / | / | 15.48 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 13.59 | / | / | 15.14 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 14.78 | / | / | 16.33 | / | / | <=33 | Pass |
|                                                                                 | 1882.5 | Edge_1RB_Left   | 13.1  | / | / | 14.65 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 13.72 | / | / | 15.27 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 12.95 | / | / | 14.5  | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 12.79 | / | / | 14.34 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 12.88 | / | / | 14.43 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 13.73 | / | / | 15.28 | / | / | <=33 | Pass |
|                                                                                 | 1910   | Edge_1RB_Left   | 13.28 | / | / | 14.83 | / | / | <=33 | Pass |
|                                                                                 |        | Edge_1RB_Right  | 13.6  | / | / | 15.15 | / | / | <=33 | Pass |
|                                                                                 |        | Outer_Full      | 13.29 | / | / | 14.84 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_Full      | 13.22 | / | / | 14.77 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Left  | 13.07 | / | / | 14.62 | / | / | <=33 | Pass |
|                                                                                 |        | Inner_1RB_Right | 13.97 | / | / | 15.52 | / | / | <=33 | Pass |
| Note1: Antenna Gain: Ant1: 1.55dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |        |                 |       |   |   |       |   |   |      |      |

## 1.1.6 30k\_SISO\_15MHz\_NTNV\_EIRP

5G NR n25 SCS=30kHz SISO 15MHz NTNv

| Modulation        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|-------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
|                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK   | 1857.5          | Edge_1RB_Left   | 19.93                | /    | /   | 21.48     | /    | /   | <=33  | Pass    |
|                   |                 | Edge_1RB_Right  | 20.94                | /    | /   | 22.49     | /    | /   | <=33  | Pass    |
|                   |                 | Outer_Full      | 20.28                | /    | /   | 21.83     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_Full      | 20.3                 | /    | /   | 21.85     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Left  | 20.15                | /    | /   | 21.7      | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Right | 21.09                | /    | /   | 22.64     | /    | /   | <=33  | Pass    |
|                   | 1882.5          | Edge_1RB_Left   | 19.48                | /    | /   | 21.03     | /    | /   | <=33  | Pass    |
|                   |                 | Edge_1RB_Right  | 20.45                | /    | /   | 22        | /    | /   | <=33  | Pass    |
|                   |                 | Outer_Full      | 19.3                 | /    | /   | 20.85     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_Full      | 19.19                | /    | /   | 20.74     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Left  | 19.85                | /    | /   | 21.4      | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Right | 20.56                | /    | /   | 22.11     | /    | /   | <=33  | Pass    |
|                   | 1907.5          | Edge_1RB_Left   | 19.39                | /    | /   | 20.94     | /    | /   | <=33  | Pass    |
|                   |                 | Edge_1RB_Right  | 19.18                | /    | /   | 20.73     | /    | /   | <=33  | Pass    |
|                   |                 | Outer_Full      | 18.67                | /    | /   | 20.22     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_Full      | 18.35                | /    | /   | 19.9      | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Left  | 19.64                | /    | /   | 21.19     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Right | 19.53                | /    | /   | 21.08     | /    | /   | <=33  | Pass    |
| DFT-s-OFDM 16 QAM | 1857.5          | Edge_1RB_Left   | 18.71                | /    | /   | 20.26     | /    | /   | <=33  | Pass    |
|                   |                 | Edge_1RB_Right  | 19.55                | /    | /   | 21.1      | /    | /   | <=33  | Pass    |
|                   |                 | Outer_Full      | 18.76                | /    | /   | 20.31     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_Full      | 19.07                | /    | /   | 20.62     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Left  | 19.03                | /    | /   | 20.58     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Right | 19.95                | /    | /   | 21.5      | /    | /   | <=33  | Pass    |
|                   | 1882.5          | Edge_1RB_Left   | 18.43                | /    | /   | 19.98     | /    | /   | <=33  | Pass    |
|                   |                 | Edge_1RB_Right  | 19.43                | /    | /   | 20.98     | /    | /   | <=33  | Pass    |
|                   |                 | Outer_Full      | 18.01                | /    | /   | 19.56     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_Full      | 18.05                | /    | /   | 19.6      | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Left  | 18.79                | /    | /   | 20.34     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Right | 19.62                | /    | /   | 21.17     | /    | /   | <=33  | Pass    |
|                   | 1907.5          | Edge_1RB_Left   | 18.29                | /    | /   | 19.84     | /    | /   | <=33  | Pass    |
|                   |                 | Edge_1RB_Right  | 18.09                | /    | /   | 19.64     | /    | /   | <=33  | Pass    |
|                   |                 | Outer_Full      | 17.42                | /    | /   | 18.97     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_Full      | 17.24                | /    | /   | 18.79     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Left  | 18.55                | /    | /   | 20.1      | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Right | 18.48                | /    | /   | 20.03     | /    | /   | <=33  | Pass    |
| DFT-s-OFDM 64 QAM | 1857.5          | Edge_1RB_Left   | 17.84                | /    | /   | 19.39     | /    | /   | <=33  | Pass    |
|                   |                 | Edge_1RB_Right  | 18.71                | /    | /   | 20.26     | /    | /   | <=33  | Pass    |
|                   |                 | Outer_Full      | 17.88                | /    | /   | 19.43     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_Full      | 17.74                | /    | /   | 19.29     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Left  | 17.74                | /    | /   | 19.29     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Right | 18.69                | /    | /   | 20.24     | /    | /   | <=33  | Pass    |
|                   | 1882.5          | Edge_1RB_Left   | 17.51                | /    | /   | 19.06     | /    | /   | <=33  | Pass    |
|                   |                 | Edge_1RB_Right  | 18.58                | /    | /   | 20.13     | /    | /   | <=33  | Pass    |
|                   |                 | Outer_Full      | 17.08                | /    | /   | 18.63     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_Full      | 16.72                | /    | /   | 18.27     | /    | /   | <=33  | Pass    |
|                   |                 | Inner_1RB_Left  | 17.28                | /    | /   | 18.83     | /    | /   | <=33  | Pass    |

|                    |        |                 |       |   |   |       |   |   |      |      |
|--------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                    | 1907.5 | Inner_1RB_Right | 18.41 | / | / | 19.96 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Left   | 17.58 | / | / | 19.13 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 17.24 | / | / | 18.79 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 16.5  | / | / | 18.05 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 16.09 | / | / | 17.64 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 17.26 | / | / | 18.81 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 17.43 | / | / | 18.98 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 1857.5 | Edge_1RB_Left   | 16.2  | / | / | 17.75 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 17.05 | / | / | 18.6  | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 16.31 | / | / | 17.86 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 16.23 | / | / | 17.78 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 16.12 | / | / | 17.67 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 17.03 | / | / | 18.58 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 15.93 | / | / | 17.48 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 17.12 | / | / | 18.67 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 15.53 | / | / | 17.08 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 15.19 | / | / | 16.74 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 15.8  | / | / | 17.35 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 16.87 | / | / | 18.42 | / | / | <=33 | Pass |
|                    | 1907.5 | Edge_1RB_Left   | 16.19 | / | / | 17.74 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 16.04 | / | / | 17.59 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 15.56 | / | / | 17.11 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 14.68 | / | / | 16.23 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 16.03 | / | / | 17.58 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 16.07 | / | / | 17.62 | / | / | <=33 | Pass |
| CP-OFDM QPSK       | 1857.5 | Edge_1RB_Left   | 17.72 | / | / | 19.27 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.95 | / | / | 20.5  | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.09 | / | / | 19.64 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 18.55 | / | / | 20.1  | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 18.4  | / | / | 19.95 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 19.25 | / | / | 20.8  | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 17.57 | / | / | 19.12 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.37 | / | / | 19.92 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 17.41 | / | / | 18.96 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.62 | / | / | 19.17 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 18.22 | / | / | 19.77 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.88 | / | / | 20.43 | / | / | <=33 | Pass |
|                    | 1907.5 | Edge_1RB_Left   | 17.7  | / | / | 19.25 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 17.41 | / | / | 18.96 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 17.05 | / | / | 18.6  | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.19 | / | / | 18.74 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 18.39 | / | / | 19.94 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.21 | / | / | 19.76 | / | / | <=33 | Pass |
| CP-OFDM 16 QAM     | 1857.5 | Edge_1RB_Left   | 17.24 | / | / | 18.79 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.2  | / | / | 19.75 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 17.4  | / | / | 18.95 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.79 | / | / | 19.34 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 17.78 | / | / | 19.33 | / | / | <=33 | Pass |

|                 |        |                 |       |   |   |       |   |   |      |      |
|-----------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                 | 1882.5 | Inner_1RB_Right | 18.66 | / | / | 20.21 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Left   | 17.18 | / | / | 18.73 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 18.04 | / | / | 19.59 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 16.71 | / | / | 18.26 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 16.79 | / | / | 18.34 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 17.46 | / | / | 19.01 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 18.27 | / | / | 19.82 | / | / | <=33 | Pass |
|                 | 1907.5 | Edge_1RB_Left   | 17.53 | / | / | 19.08 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 17.3  | / | / | 18.85 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 16.61 | / | / | 18.16 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 16.47 | / | / | 18.02 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 17.83 | / | / | 19.38 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 17.7  | / | / | 19.25 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM  | 1857.5 | Edge_1RB_Left   | 16.99 | / | / | 18.54 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 17.82 | / | / | 19.37 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 16.93 | / | / | 18.48 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 17.8  | / | / | 19.35 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 17.88 | / | / | 19.43 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 18.79 | / | / | 20.34 | / | / | <=33 | Pass |
|                 | 1882.5 | Edge_1RB_Left   | 16.68 | / | / | 18.23 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 17.72 | / | / | 19.27 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 16.16 | / | / | 17.71 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 16.77 | / | / | 18.32 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 17.62 | / | / | 19.17 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 18.39 | / | / | 19.94 | / | / | <=33 | Pass |
|                 | 1907.5 | Edge_1RB_Left   | 17.16 | / | / | 18.71 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 16.86 | / | / | 18.41 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 16.11 | / | / | 17.66 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 16.49 | / | / | 18.04 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 17.96 | / | / | 19.51 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 17.85 | / | / | 19.4  | / | / | <=33 | Pass |
| CP-OFDM 256 QAM | 1857.5 | Edge_1RB_Left   | 14.05 | / | / | 15.6  | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 14.97 | / | / | 16.52 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 14.1  | / | / | 15.65 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 14.35 | / | / | 15.9  | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 14.06 | / | / | 15.61 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 15.17 | / | / | 16.72 | / | / | <=33 | Pass |
|                 | 1882.5 | Edge_1RB_Left   | 13.88 | / | / | 15.43 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 15.11 | / | / | 16.66 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 13.54 | / | / | 15.09 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 13.13 | / | / | 14.68 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 13.73 | / | / | 15.28 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 14.85 | / | / | 16.4  | / | / | <=33 | Pass |
|                 | 1907.5 | Edge_1RB_Left   | 14.36 | / | / | 15.91 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 14.3  | / | / | 15.85 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 13.42 | / | / | 14.97 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 12.82 | / | / | 14.37 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 14.24 | / | / | 15.79 | / | / | <=33 | Pass |

|                                                                                 |  |                 |      |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--|-----------------|------|---|---|-------|---|---|------|------|
|                                                                                 |  | Inner_1RB_Right | 14.3 | / | / | 15.85 | / | / | <=33 | Pass |
| Note1: Antenna Gain: Ant1: 1.55dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |      |   |   |       |   |   |      |      |

## 1.1.7 30k\_SISO\_20MHz\_NTNV\_EIRP

| 5G NR n25 SCS=30kHz SISO 20MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1860            | Edge_1RB_Left   | 22.17                | /    | /   | 22.17     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.35                | /    | /   | 22.35     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 22.4                 | /    | /   | 22.4      | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 22.62                | /    | /   | 22.62     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.56                | /    | /   | 22.56     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 22.63                | /    | /   | 22.63     | /    | /   | <=33  | Pass    |
|                                    | 1882.5          | Edge_1RB_Left   | 22.1                 | /    | /   | 22.1      | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.91                | /    | /   | 22.91     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 21.59                | /    | /   | 21.59     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 21.41                | /    | /   | 21.41     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.56                | /    | /   | 22.56     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 23.04                | /    | /   | 23.04     | /    | /   | <=33  | Pass    |
|                                    | 1905            | Edge_1RB_Left   | 22.35                | /    | /   | 22.35     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.31                | /    | /   | 21.31     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 20.86                | /    | /   | 20.86     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 20.23                | /    | /   | 20.23     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.57                | /    | /   | 22.57     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.65                | /    | /   | 21.65     | /    | /   | <=33  | Pass    |
| DFT-s-OFDM 16 QAM                  | 1860            | Edge_1RB_Left   | 21.02                | /    | /   | 21.02     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.22                | /    | /   | 21.22     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 20.97                | /    | /   | 20.97     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 21.47                | /    | /   | 21.47     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.46                | /    | /   | 21.46     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 21.55                | /    | /   | 21.55     | /    | /   | <=33  | Pass    |
|                                    | 1882.5          | Edge_1RB_Left   | 21.07                | /    | /   | 21.07     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 21.88                | /    | /   | 21.88     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 20.38                | /    | /   | 20.38     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 20.19                | /    | /   | 20.19     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.45                | /    | /   | 21.45     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 22.09                | /    | /   | 22.09     | /    | /   | <=33  | Pass    |
|                                    | 1905            | Edge_1RB_Left   | 21.21                | /    | /   | 21.21     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 20.26                | /    | /   | 20.26     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 19.55                | /    | /   | 19.55     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_Full      | 19.16                | /    | /   | 19.16     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.59                | /    | /   | 21.59     | /    | /   | <=33  | Pass    |
|                                    |                 | Inner_1RB_Right | 20.59                | /    | /   | 20.59     | /    | /   | <=33  | Pass    |
| DFT-s-OFDM 64 QAM                  | 1860            | Edge_1RB_Left   | 20.35                | /    | /   | 20.35     | /    | /   | <=33  | Pass    |
|                                    |                 | Edge_1RB_Right  | 20.59                | /    | /   | 20.59     | /    | /   | <=33  | Pass    |
|                                    |                 | Outer_Full      | 20.3                 | /    | /   | 20.3      | /    | /   | <=33  | Pass    |

|                    |        |                 |       |   |   |       |   |   |      |      |
|--------------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |        | Inner_Full      | 20.42 | / | / | 20.42 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 20.32 | / | / | 20.32 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 20.49 | / | / | 20.49 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 20.31 | / | / | 20.31 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 21.14 | / | / | 21.14 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 19.6  | / | / | 19.6  | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 19.03 | / | / | 19.03 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 20.22 | / | / | 20.22 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 21.08 | / | / | 21.08 | / | / | <=33 | Pass |
|                    | 1905   | Edge_1RB_Left   | 20.51 | / | / | 20.51 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.5  | / | / | 19.5  | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.8  | / | / | 18.8  | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.99 | / | / | 17.99 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 20.42 | / | / | 20.42 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 19.59 | / | / | 19.59 | / | / | <=33 | Pass |
| DFT-s-OFDM 256 QAM | 1860   | Edge_1RB_Left   | 18.61 | / | / | 18.61 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.8  | / | / | 18.8  | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.68 | / | / | 18.68 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 18.77 | / | / | 18.77 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 18.62 | / | / | 18.62 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.7  | / | / | 18.7  | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 18.65 | / | / | 18.65 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.75 | / | / | 19.75 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.06 | / | / | 18.06 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 17.38 | / | / | 17.38 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 18.57 | / | / | 18.57 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 19.61 | / | / | 19.61 | / | / | <=33 | Pass |
|                    | 1905   | Edge_1RB_Left   | 19.05 | / | / | 19.05 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 18.09 | / | / | 18.09 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 17.42 | / | / | 17.42 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 16.56 | / | / | 16.56 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 18.98 | / | / | 18.98 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 18.15 | / | / | 18.15 | / | / | <=33 | Pass |
| CP-OFDM QPSK       | 1860   | Edge_1RB_Left   | 20.21 | / | / | 20.21 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 20.38 | / | / | 20.38 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 20.41 | / | / | 20.41 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 20.97 | / | / | 20.97 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 20.84 | / | / | 20.84 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 20.95 | / | / | 20.95 | / | / | <=33 | Pass |
|                    | 1882.5 | Edge_1RB_Left   | 20.14 | / | / | 20.14 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 20.81 | / | / | 20.81 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 19.68 | / | / | 19.68 | / | / | <=33 | Pass |
|                    |        | Inner_Full      | 19.67 | / | / | 19.67 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Left  | 20.86 | / | / | 20.86 | / | / | <=33 | Pass |
|                    |        | Inner_1RB_Right | 21.34 | / | / | 21.34 | / | / | <=33 | Pass |
|                    | 1905   | Edge_1RB_Left   | 20.25 | / | / | 20.25 | / | / | <=33 | Pass |
|                    |        | Edge_1RB_Right  | 19.23 | / | / | 19.23 | / | / | <=33 | Pass |
|                    |        | Outer_Full      | 18.94 | / | / | 18.94 | / | / | <=33 | Pass |

|                 |        |                 |       |   |   |       |   |   |      |      |
|-----------------|--------|-----------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM 16 QAM  |        | Inner_Full      | 18.75 | / | / | 18.75 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 20.83 | / | / | 20.83 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 20.02 | / | / | 20.02 | / | / | <=33 | Pass |
|                 | 1860   | Edge_1RB_Left   | 19.92 | / | / | 19.92 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 20.12 | / | / | 20.12 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 19.87 | / | / | 19.87 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 20.36 | / | / | 20.36 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 20.38 | / | / | 20.38 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 20.5  | / | / | 20.5  | / | / | <=33 | Pass |
|                 | 1882.5 | Edge_1RB_Left   | 19.84 | / | / | 19.84 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 20.6  | / | / | 20.6  | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 19.16 | / | / | 19.16 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 18.94 | / | / | 18.94 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 20.22 | / | / | 20.22 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 20.88 | / | / | 20.88 | / | / | <=33 | Pass |
|                 | 1905   | Edge_1RB_Left   | 20    | / | / | 20    | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 18.98 | / | / | 18.98 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 18.41 | / | / | 18.41 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 17.99 | / | / | 17.99 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 20.3  | / | / | 20.3  | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 19.45 | / | / | 19.45 | / | / | <=33 | Pass |
| CP-OFDM 64 QAM  | 1860   | Edge_1RB_Left   | 19.36 | / | / | 19.36 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 19.54 | / | / | 19.54 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 19.18 | / | / | 19.18 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 20.39 | / | / | 20.39 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 20.54 | / | / | 20.54 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 20.66 | / | / | 20.66 | / | / | <=33 | Pass |
|                 | 1882.5 | Edge_1RB_Left   | 19.27 | / | / | 19.27 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 20.15 | / | / | 20.15 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 18.56 | / | / | 18.56 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 18.96 | / | / | 18.96 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 20.4  | / | / | 20.4  | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 21.01 | / | / | 21.01 | / | / | <=33 | Pass |
|                 | 1905   | Edge_1RB_Left   | 19.7  | / | / | 19.7  | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 18.68 | / | / | 18.68 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 17.89 | / | / | 17.89 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 18.02 | / | / | 18.02 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 20.41 | / | / | 20.41 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 19.62 | / | / | 19.62 | / | / | <=33 | Pass |
| CP-OFDM 256 QAM | 1860   | Edge_1RB_Left   | 16.67 | / | / | 16.67 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 16.9  | / | / | 16.9  | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 16.67 | / | / | 16.67 | / | / | <=33 | Pass |
|                 |        | Inner_Full      | 16.79 | / | / | 16.79 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Left  | 16.71 | / | / | 16.71 | / | / | <=33 | Pass |
|                 |        | Inner_1RB_Right | 16.84 | / | / | 16.84 | / | / | <=33 | Pass |
|                 | 1882.5 | Edge_1RB_Left   | 16.67 | / | / | 16.67 | / | / | <=33 | Pass |
|                 |        | Edge_1RB_Right  | 17.85 | / | / | 17.85 | / | / | <=33 | Pass |
|                 |        | Outer_Full      | 16.02 | / | / | 16.02 | / | / | <=33 | Pass |

|  |      |                                                                                 |       |   |   |       |   |   |      |      |
|--|------|---------------------------------------------------------------------------------|-------|---|---|-------|---|---|------|------|
|  |      | Inner_Full                                                                      | 15.32 | / | / | 15.32 | / | / | <=33 | Pass |
|  |      | Inner_1RB_Left                                                                  | 16.62 | / | / | 16.62 | / | / | <=33 | Pass |
|  |      | Inner_1RB_Right                                                                 | 17.73 | / | / | 17.73 | / | / | <=33 | Pass |
|  | 1905 | Edge_1RB_Left                                                                   | 16.95 | / | / | 16.95 | / | / | <=33 | Pass |
|  |      | Edge_1RB_Right                                                                  | 16.05 | / | / | 16.05 | / | / | <=33 | Pass |
|  |      | Outer_Full                                                                      | 15.24 | / | / | 15.24 | / | / | <=33 | Pass |
|  |      | Inner_Full                                                                      | 14.42 | / | / | 14.42 | / | / | <=33 | Pass |
|  |      | Inner_1RB_Left                                                                  | 16.94 | / | / | 16.94 | / | / | <=33 | Pass |
|  |      | Inner_1RB_Right                                                                 | 16.14 | / | / | 16.14 | / | / | <=33 | Pass |
|  |      | Note1: Antenna Gain: Ant1: 1.55dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |       |   |   |       |   |   |      |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 15k\_SISO\_5MHz

| 5G NR n25 SCS=15kHz SISO 5MHz |                 |               |            |       |                  |                       |                |         |
|-------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                    | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                               |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM QPSK               | 1882.5          | Outer_Full    | 20         | LV    | 2.90             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 1.80             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 1.90             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 2.00             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 1.10             | 0.0006                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 2.90             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 2.70             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -0.90            | -0.0005               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | 1.70             | 0.0009                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 1.30             | 0.0007                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM             | 1882.5          | Outer_Full    | 20         | LV    | 2.70             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 1.70             | 0.0009                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 2.60             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 2.20             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 3.60             | 0.0019                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 1.70             | 0.0009                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 4.60             | 0.0024                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 3.50             | 0.0019                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | 2.00             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 1.70             | 0.0009                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM             | 1882.5          | Outer_Full    | 20         | LV    | 2.80             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 4.40             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 2.50             | 0.0013                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 2.20             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 3.20             | 0.0017                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 4.20             | 0.0022                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 3.70             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 1.90             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | 2.30             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 2.10             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | 2.90             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | NV    | 2.90             | 0.0015                | >=-2.5 & <=2.5 | Pass    |

|                    |        |            |     |    |       |         |                          |      |
|--------------------|--------|------------|-----|----|-------|---------|--------------------------|------|
| DFT-s-OFDM 256 QAM | 1882.5 | Outer_Full | 20  | LV | -0.90 | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -3.50 | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 2.30  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | 2.20  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | -0.70 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | -2.10 | -0.0011 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | 2.60  | 0.0014  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | -2.00 | -0.0011 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | 4.40  | 0.0023  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | -1.80 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK       | 1882.5 | Outer_Full |     | NV | -4.50 | -0.0024 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | 0.90  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -0.70 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | -2.70 | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -3.20 | -0.0017 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | -1.60 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | -1.80 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | -2.10 | -0.0011 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | -2.10 | -0.0011 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM     | 1882.5 | Outer_Full | 40  | NV | -1.00 | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | -2.20 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | 1.50  | 0.0008  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | 1.90  | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 1.70  | 0.0009  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -0.70 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | -1.00 | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 2.10  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | 0.60  | 0.0003  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 1.00  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM     | 1882.5 | Outer_Full | 30  | NV | 1.10  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | -1.10 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 2.10  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | -1.70 | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -3.00 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | -0.90 | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | -1.20 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 2.10  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | 1.20  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 256 QAM    | 1882.5 | Outer_Full | 20  | NV | 3.60  | 0.0019  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | 2.90  | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | 2.20  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 2.60  | 0.0014  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | -1.80 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -1.70 | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | -1.40 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -1.50 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | 2.70  | 0.0014  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 1.10  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    | 1882.5 | Outer_Full | 10  | NV | 1.10  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 0.80  | 0.0004  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | 1.20  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |

| 5G NR n25 SCS=15kHz SISO 10MHz |                 |               |            |       |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM QPSK                | 1882.5          | Outer_Full    | 20         | LV    | 3.30             | 0.0018                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 1.50             | 0.0008                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | 2.90             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 4.30             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 3.40             | 0.0018                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | 3.90             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | 1.70             | 0.0009                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 2.30             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -0.90            | -0.0005               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 4.10             | 0.0022                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM              | 1882.5          | Outer_Full    | 20         | LV    | 2.10             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 1.00             | 0.0005                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | 2.10             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 2.20             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 2.00             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | 2.20             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | 0.40             | 0.0002                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 3.40             | 0.0018                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -2.70            | -0.0014               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 5.00             | 0.0027                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM              | 1882.5          | Outer_Full    | 20         | LV    | 2.10             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 2.30             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -1.20            | -0.0006               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 1.90             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 3.50             | 0.0019                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | 2.00             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | 1.40             | 0.0007                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 1.80             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | 1.00             | 0.0005                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 2.70             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 256 QAM             | 1882.5          | Outer_Full    | 20         | LV    | 2.40             | 0.0013                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 1.30             | 0.0007                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | 2.50             | 0.0013                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 2.10             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 2.20             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -1.80            | -0.0010               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | 2.60             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 2.50             | 0.0013                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | 3.00             | 0.0016                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 2.80             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
| CP-OFDM QPSK                   | 1882.5          | Outer_Full    | 20         | LV    | -1.30            | -0.0007               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -1.50            | -0.0008               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -1.30            | -0.0007               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -2.70            | -0.0014               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 0.50             | 0.0003                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -1.30            | -0.0007               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | 1.30             | 0.0007                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 2.10             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -2.20            | -0.0012               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 1.40             | 0.0007                | >=-2.5 & <=2.5 | Pass    |
| CP-OFDM 16 QAM                 | 1882.5          | Outer_Full    | 20         | NV    | -2.60            | -0.0014               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | LV    | -3.00            | -0.0016               | >=-2.5 & <=2.5 | Pass    |

|                 |        |            |     |    |       |         |                          |      |
|-----------------|--------|------------|-----|----|-------|---------|--------------------------|------|
|                 |        |            | -30 | HV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | -2.00 | -0.0011 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | -2.20 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | -1.50 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | -3.60 | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | -1.30 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -1.50 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | -3.20 | -0.0017 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | -1.70 | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM  | 1882.5 | Outer_Full | 20  | LV | -1.40 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | -0.40 | -0.0002 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | -1.40 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | -0.50 | -0.0003 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | -1.40 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | 1.10  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | 1.90  | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 256 QAM | 1882.5 | Outer_Full | 40  | NV | 2.00  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | -0.30 | -0.0002 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | LV | -0.40 | -0.0002 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | -1.60 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | 0.90  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | -1.60 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | -0.40 | -0.0002 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | -0.80 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | 2.10  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -0.60 | -0.0003 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | 1.00  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |

### 2.1.3 15k\_SISO\_15MHz

| 5G NR n25 SCS=15kHz SISO 15MHz |                 |               |            |       |                  |                       |                          |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|--------------------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                          | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit                    |         |
| DFT-s-OFDM QPSK                | 1882.5          | Outer_Full    | 20         | LV    | -1.40            | -0.0007               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | 1.50             | 0.0008                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | 2.60             | 0.0014                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 1.50             | 0.0008                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | 2.30             | 0.0012                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | 3.70             | 0.0020                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | 1.50             | 0.0008                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | 4.80             | 0.0025                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 30         | NV    | 2.20             | 0.0012                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
| DFT-s-OFDM 16 QAM              | 1882.5          | Outer_Full    | 40         | NV    | 3.20             | 0.0017                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 50         | NV    | 1.70             | 0.0009                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | LV    | 1.20             | 0.0006                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | 2.80             | 0.0015                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | 1.60             | 0.0008                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 1.90             | 0.0010                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | 3.20             | 0.0017                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | 4.60             | 0.0024                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | 3.30             | 0.0018                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | 2.80             | 0.0015                | $\geq -2.5$ & $\leq 2.5$ | Pass    |

|                    |        |            |     |    |       |         |                          |      |
|--------------------|--------|------------|-----|----|-------|---------|--------------------------|------|
|                    |        |            | 30  | NV | 3.30  | 0.0018  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | 2.40  | 0.0013  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 3.40  | 0.0018  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 64 QAM  | 1882.5 | Outer_Full | 20  | LV | 2.10  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -1.30 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | -1.50 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | 3.40  | 0.0018  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | 2.00  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 1.70  | 0.0009  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | 2.30  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 2.00  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | 0.80  | 0.0004  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | 1.60  | 0.0008  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 2.80  | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 256 QAM | 1882.5 | Outer_Full | 20  | LV | 2.20  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -1.10 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | -1.60 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -2.50 | -0.0013 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | 2.90  | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 1.60  | 0.0008  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | -0.50 | -0.0003 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 1.20  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | 3.00  | 0.0016  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | 2.30  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 4.40  | 0.0023  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK       | 1882.5 | Outer_Full | 20  | LV | 0.90  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -2.60 | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 0.90  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -2.70 | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | -1.80 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | -3.00 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | -0.90 | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 1.50  | 0.0008  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | -2.80 | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | -1.10 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | -1.50 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM     | 1882.5 | Outer_Full | 20  | LV | 1.00  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | 1.30  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 1.90  | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -1.20 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | 1.90  | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 1.40  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | 1.70  | 0.0009  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 1.10  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | 1.70  | 0.0009  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | -1.60 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 2.40  | 0.0013  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM     | 1882.5 | Outer_Full | 20  | LV | 1.80  | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -0.80 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | -1.70 | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | 1.20  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | -1.10 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | -2.00 | -0.0011 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | -1.30 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | -1.10 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | 2.10  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 0.50  | 0.0003  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 256 QAM    | 1882.5 | Outer_Full | 20  | LV | -2.40 | -0.0013 | $\geq -2.5$ & $\leq 2.5$ | Pass |

|  |  |  |     |    |       |         |                          |      |
|--|--|--|-----|----|-------|---------|--------------------------|------|
|  |  |  |     | HV | -1.70 | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -30 | NV | -0.70 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -20 | NV | 1.70  | 0.0009  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -10 | NV | -1.10 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 0   | NV | 1.40  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 10  | NV | 1.10  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 20  | NV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 30  | NV | -0.90 | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 40  | NV | -1.40 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 50  | NV | 0.60  | 0.0003  | $\geq -2.5$ & $\leq 2.5$ | Pass |

## 2.1.4 15k\_SISO\_20MHz

| 5G NR n25 SCS=15kHz SISO 20MHz |                 |               |            |       |                  |                       |                          |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|--------------------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                          | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit                    |         |
| DFT-s-OFDM QPSK                | 1882.5          | Outer_Full    | 20         | LV    | 4.40             | 0.0023                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | -2.60            | -0.0014               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | -0.90            | -0.0005               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 3.40             | 0.0018                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | -2.70            | -0.0014               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | 1.10             | 0.0006                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | 3.10             | 0.0016                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | 1.50             | 0.0008                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 30         | NV    | 2.10             | 0.0011                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
| DFT-s-OFDM 16 QAM              | 1882.5          | Outer_Full    | 20         | LV    | 1.90             | 0.0010                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | -1.30            | -0.0007               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | 1.30             | 0.0007                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 1.70             | 0.0009                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | 1.40             | 0.0007                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | 2.90             | 0.0015                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | 2.50             | 0.0013                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | 4.40             | 0.0023                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 30         | NV    | 1.80             | 0.0010                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
| DFT-s-OFDM 64 QAM              | 1882.5          | Outer_Full    | 20         | LV    | 3.10             | 0.0016                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | 1.40             | 0.0007                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | 3.90             | 0.0021                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 1.80             | 0.0010                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | 2.60             | 0.0014                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | 3.80             | 0.0020                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | 4.00             | 0.0021                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | 3.30             | 0.0018                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 30         | NV    | 1.80             | 0.0010                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
| DFT-s-OFDM 256 QAM             | 1882.5          | Outer_Full    | 20         | LV    | 2.20             | 0.0012                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | 1.60             | 0.0008                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | 1.60             | 0.0008                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 1.50             | 0.0008                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | 1.60             | 0.0008                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | -1.50            | -0.0008               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | 2.70             | 0.0014                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | 1.20             | 0.0006                | $\geq -2.5$ & $\leq 2.5$ | Pass    |

|                 |        |            |     |    |       |         |                          |      |
|-----------------|--------|------------|-----|----|-------|---------|--------------------------|------|
|                 |        |            | 30  | NV | 4.90  | 0.0026  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | 3.20  | 0.0017  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | 2.00  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK    | 1882.5 | Outer_Full | 20  | LV | -0.70 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | -1.40 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | 1.00  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | -1.30 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | 1.10  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | 1.40  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | 2.10  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | 0.30  | 0.0002  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -2.50 | -0.0013 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | -1.50 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | -0.50 | -0.0003 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     |    |       |         |                          |      |
| CP-OFDM 16 QAM  | 1882.5 | Outer_Full | 20  | LV | 1.40  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | -0.80 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | 1.40  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | 2.00  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | -1.70 | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | 1.50  | 0.0008  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | 1.40  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | -4.00 | -0.0021 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -1.00 | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | -0.80 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | -1.70 | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     |    |       |         |                          |      |
| CP-OFDM 64 QAM  | 1882.5 | Outer_Full | 20  | LV | 2.50  | 0.0013  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | 0.60  | 0.0003  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | 2.30  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | 1.90  | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | 0.90  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | -1.30 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | -0.80 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | 1.20  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -0.30 | -0.0002 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | 1.30  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | 2.90  | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     |    |       |         |                          |      |
| CP-OFDM 256 QAM | 1882.5 | Outer_Full | 20  | LV | -1.40 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | -2.00 | -0.0011 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | -2.70 | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | 1.30  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | 0.20  | 0.0001  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | -3.30 | -0.0018 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | -2.20 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | -1.20 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | 0.80  | 0.0004  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | 1.70  | 0.0009  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | 1.00  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     |    |       |         |                          |      |

## 2.1.5 30k\_SISO\_10MHz

| 5G NR n25 SCS=30kHz SISO 10MHz |                 |               |            |       |                  |                       |                          |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|--------------------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                          | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit                    |         |
| DFT-s-OFDM QPSK                | 1882.5          | Outer_Full    | 20         | LV    | 4.80             | 0.0025                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | 2.50             | 0.0013                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | 2.70             | 0.0014                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 1.40             | 0.0007                | $\geq -2.5$ & $\leq 2.5$ | Pass    |

|                    |        |            |     |    |       |         |                          |      |
|--------------------|--------|------------|-----|----|-------|---------|--------------------------|------|
|                    |        |            | -10 | NV | 3.20  | 0.0017  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 5.60  | 0.0030  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | 4.50  | 0.0024  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 2.60  | 0.0014  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | 5.10  | 0.0027  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | -3.80 | -0.0020 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 3.20  | 0.0017  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 16 QAM  | 1882.5 | Outer_Full | 20  | LV | 1.80  | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | 6.90  | 0.0037  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 2.90  | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | 4.70  | 0.0025  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | 4.50  | 0.0024  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 4.30  | 0.0023  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | 5.50  | 0.0029  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | 2.60  | 0.0014  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | 4.40  | 0.0023  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 6.30  | 0.0033  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | 3.70  | 0.0020  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | 2.50  | 0.0013  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 3.60  | 0.0019  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 64 QAM  | 1882.5 | Outer_Full | -20 | NV | 2.40  | 0.0013  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | 6.00  | 0.0032  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | -3.00 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | -5.00 | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 4.70  | 0.0025  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | 4.20  | 0.0022  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | 7.80  | 0.0041  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 3.60  | 0.0019  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | 2.50  | 0.0013  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | 6.10  | 0.0032  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | -3.50 | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | 4.50  | 0.0024  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | 3.70  | 0.0020  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 2.90  | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 256 QAM | 1882.5 | Outer_Full | 10  | NV | 0.80  | 0.0004  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 3.80  | 0.0020  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | 5.00  | 0.0027  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 40  | NV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | 4.60  | 0.0024  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | -1.50 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -1.40 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 2.40  | 0.0013  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -2.20 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | 1.60  | 0.0008  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | -5.00 | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | -2.70 | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | -2.90 | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 30  | NV | -3.00 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK       | 1882.5 | Outer_Full | 40  | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 50  | NV | -2.70 | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | 2.30  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -3.00 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 1.30  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -3.20 | -0.0017 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -10 | NV | -3.70 | -0.0020 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 3.30  | 0.0018  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 2.00  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | 2.30  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -3.00 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 1.30  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -20 | NV | -3.20 | -0.0017 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM     | 1882.5 | Outer_Full | -10 | NV | -3.70 | -0.0020 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 0   | NV | 3.30  | 0.0018  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 10  | NV | -1.90 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | NV | 2.00  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | 20  | LV | 2.30  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            |     | HV | -3.00 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |        |            | -30 | NV | 1.30  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |

|                 |        |            |     |    |       |         |                          |      |
|-----------------|--------|------------|-----|----|-------|---------|--------------------------|------|
| CP-OFDM 64 QAM  | 1882.5 | Outer_Full | 30  | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | 2.60  | 0.0014  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | 1.90  | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | LV | -3.40 | -0.0018 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | 5.30  | 0.0028  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | 5.20  | 0.0028  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | 3.20  | 0.0017  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | 1.60  | 0.0008  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | 3.80  | 0.0020  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | 3.20  | 0.0017  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | -1.20 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | 3.80  | 0.0020  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 256 QAM | 1882.5 | Outer_Full | 40  | NV | -3.30 | -0.0018 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | 4.90  | 0.0026  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | LV | 4.20  | 0.0022  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | -0.80 | -0.0004 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | 4.10  | 0.0022  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | -5.00 | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | -2.90 | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | -4.20 | -0.0022 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | -2.10 | -0.0011 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -4.10 | -0.0022 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | -2.80 | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | -1.80 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |

## 2.1.6 30k\_SISO\_15MHz

| 5G NR n25 SCS=30kHz SISO 15MHz |                 |               |            |       |                  |                       |                          |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|--------------------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                          | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit                    |         |
| DFT-s-OFDM QPSK                | 1882.5          | Outer_Full    | 20         | LV    | 1.90             | 0.0010                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | 7.70             | 0.0041                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | 5.40             | 0.0029                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 3.70             | 0.0020                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | 4.90             | 0.0026                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | 6.30             | 0.0033                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | 3.30             | 0.0018                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | 4.60             | 0.0024                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 30         | NV    | 4.60             | 0.0024                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 40         | NV    | 2.60             | 0.0014                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
| DFT-s-OFDM 16 QAM              | 1882.5          | Outer_Full    | 20         | LV    | 1.40             | 0.0007                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | 2.80             | 0.0015                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | 2.70             | 0.0014                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 4.40             | 0.0023                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | 3.00             | 0.0016                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | 5.50             | 0.0029                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | 3.10             | 0.0016                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | 4.80             | 0.0025                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 30         | NV    | 4.40             | 0.0023                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 40         | NV    | 6.50             | 0.0035                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
| DFT-s-OFDM 64 QAM              | 1882.5          | Outer_Full    | 20         | LV    | 5.00             | 0.0027                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | 4.60             | 0.0024                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | 4.80             | 0.0025                | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | 4.50             | 0.0024                | $\geq -2.5$ & $\leq 2.5$ | Pass    |

|                    |        |            |     |    |       |         |                |      |
|--------------------|--------|------------|-----|----|-------|---------|----------------|------|
|                    |        |            | -10 | NV | 6.50  | 0.0035  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 0   | NV | 6.80  | 0.0036  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 10  | NV | 5.10  | 0.0027  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 20  | NV | 5.00  | 0.0027  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 30  | NV | 2.90  | 0.0015  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 40  | NV | 4.20  | 0.0022  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 50  | NV | 3.30  | 0.0018  | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 256 QAM | 1882.5 | Outer_Full | 20  | LV | -2.20 | -0.0012 | >=-2.5 & <=2.5 | Pass |
|                    |        |            |     | HV | -3.20 | -0.0017 | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -30 | NV | 3.60  | 0.0019  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -20 | NV | 5.60  | 0.0030  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -10 | NV | 2.30  | 0.0012  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 0   | NV | 3.30  | 0.0018  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 10  | NV | -3.50 | -0.0019 | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 20  | NV | 4.80  | 0.0025  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 30  | NV | 6.90  | 0.0037  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 40  | NV | 3.10  | 0.0016  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 50  | NV | 4.90  | 0.0026  | >=-2.5 & <=2.5 | Pass |
| CP-OFDM QPSK       | 1882.5 | Outer_Full | 20  | LV | 1.50  | 0.0008  | >=-2.5 & <=2.5 | Pass |
|                    |        |            |     | HV | 2.90  | 0.0015  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -30 | NV | 4.00  | 0.0021  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -20 | NV | 3.40  | 0.0018  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -10 | NV | 1.50  | 0.0008  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 0   | NV | 3.70  | 0.0020  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 10  | NV | 3.40  | 0.0018  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 20  | NV | 1.70  | 0.0009  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 30  | NV | -1.30 | -0.0007 | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 40  | NV | 2.90  | 0.0015  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 50  | NV | 3.50  | 0.0019  | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 16 QAM     | 1882.5 | Outer_Full | 20  | LV | 2.50  | 0.0013  | >=-2.5 & <=2.5 | Pass |
|                    |        |            |     | HV | 2.80  | 0.0015  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -30 | NV | 2.70  | 0.0014  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -20 | NV | -3.00 | -0.0016 | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -10 | NV | 3.20  | 0.0017  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 0   | NV | 2.50  | 0.0013  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 10  | NV | 2.60  | 0.0014  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 20  | NV | 6.40  | 0.0034  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 30  | NV | 2.50  | 0.0013  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 40  | NV | 4.40  | 0.0023  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 50  | NV | 1.40  | 0.0007  | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM     | 1882.5 | Outer_Full | 20  | LV | 3.60  | 0.0019  | >=-2.5 & <=2.5 | Pass |
|                    |        |            |     | HV | 3.80  | 0.0020  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -30 | NV | 3.10  | 0.0016  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -20 | NV | 4.90  | 0.0026  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -10 | NV | 3.30  | 0.0018  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 0   | NV | -3.20 | -0.0017 | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 10  | NV | 6.00  | 0.0032  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 20  | NV | -1.60 | -0.0008 | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 30  | NV | 0.90  | 0.0005  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 40  | NV | 2.80  | 0.0015  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 50  | NV | -1.00 | -0.0005 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM    | 1882.5 | Outer_Full | 20  | LV | 2.50  | 0.0013  | >=-2.5 & <=2.5 | Pass |
|                    |        |            |     | HV | 2.70  | 0.0014  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -30 | NV | 1.30  | 0.0007  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -20 | NV | 1.50  | 0.0008  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | -10 | NV | -3.20 | -0.0017 | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 0   | NV | 1.20  | 0.0006  | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 10  | NV | -1.70 | -0.0009 | >=-2.5 & <=2.5 | Pass |
|                    |        |            | 20  | NV | -2.50 | -0.0013 | >=-2.5 & <=2.5 | Pass |

|  |  |  |    |    |      |        |                |      |
|--|--|--|----|----|------|--------|----------------|------|
|  |  |  | 30 | NV | 2.50 | 0.0013 | >=-2.5 & <=2.5 | Pass |
|  |  |  | 40 | NV | 1.70 | 0.0009 | >=-2.5 & <=2.5 | Pass |
|  |  |  | 50 | NV | 2.70 | 0.0014 | >=-2.5 & <=2.5 | Pass |

## 2.1.7 30k\_SISO\_20MHz

| 5G NR n25 SCS=30kHz SISO 20MHz |                 |               |            |       |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM QPSK                | 1882.5          | Outer_Full    | 20         | LV    | 1.90             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 3.20             | 0.0017                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | 5.40             | 0.0029                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 3.00             | 0.0016                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 5.60             | 0.0030                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | 5.10             | 0.0027                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -1.80            | -0.0010               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 6.60             | 0.0035                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | 1.50             | 0.0008                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 4.00             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | 6.40             | 0.0034                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM              | 1882.5          | Outer_Full    | 20         | LV    | 5.80             | 0.0031                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 3.90             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | 4.40             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 4.00             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 3.00             | 0.0016                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | 2.80             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | 5.00             | 0.0027                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 5.40             | 0.0029                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | 3.80             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 5.80             | 0.0031                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | 5.40             | 0.0029                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM              | 1882.5          | Outer_Full    | 20         | LV    | 5.40             | 0.0029                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 6.10             | 0.0032                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | 5.00             | 0.0027                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 3.70             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 4.60             | 0.0024                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | 4.90             | 0.0026                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | 5.00             | 0.0027                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 3.60             | 0.0019                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | 4.40             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | 4.80             | 0.0025                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | 3.80             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 256 QAM             | 1882.5          | Outer_Full    | 20         | LV    | 4.40             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 7.30             | 0.0039                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | 4.50             | 0.0024                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 3.50             | 0.0019                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | 7.50             | 0.0040                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | 4.70             | 0.0025                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | 4.30             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | 5.60             | 0.0030                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | 3.80             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -6.00            | -0.0032               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | 3.40             | 0.0018                | >=-2.5 & <=2.5 | Pass    |
| CP-OFDM QPSK                   | 1882.5          | Outer_Full    | 20         | LV    | 2.30             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | 2.10             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | 1.30             | 0.0007                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | 3.80             | 0.0020                | >=-2.5 & <=2.5 | Pass    |

|                 |        |            |     |    |       |         |                          |      |
|-----------------|--------|------------|-----|----|-------|---------|--------------------------|------|
|                 |        |            | -10 | NV | 2.70  | 0.0014  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | 3.30  | 0.0018  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | -4.00 | -0.0021 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | 0.90  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | -4.80 | -0.0025 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | 4.40  | 0.0023  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM  | 1882.5 | Outer_Full | 20  | LV | 2.80  | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | 2.30  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | 1.20  | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | -1.20 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | -1.50 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | -3.50 | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | 3.00  | 0.0016  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -2.30 | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | -2.40 | -0.0013 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | -3.80 | -0.0020 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | LV | -2.90 | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | -2.60 | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | -1.70 | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM  | 1882.5 | Outer_Full | -20 | NV | 2.50  | 0.0013  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | -1.30 | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | -1.20 | -0.0006 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 10  | NV | -2.40 | -0.0013 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | 2.70  | 0.0014  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -2.90 | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | 3.00  | 0.0016  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | 3.70  | 0.0020  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | LV | -4.60 | -0.0024 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            |     | HV | 2.10  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -30 | NV | 0.50  | 0.0003  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -20 | NV | -1.00 | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | -10 | NV | 2.30  | 0.0012  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 0   | NV | -3.30 | -0.0018 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 256 QAM | 1882.5 | Outer_Full | 10  | NV | 3.00  | 0.0016  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 20  | NV | -1.80 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 30  | NV | -3.50 | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 40  | NV | 1.40  | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |        |            | 50  | NV | -2.70 | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 15k\_SISO\_20MHz\_NTNV

| 5G NR n25 SCS=15kHz SISO 20MHz NTNv |                 |               |                            |      |     |         |
|-------------------------------------|-----------------|---------------|----------------------------|------|-----|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Modulation Characteristics |      |     | Verdict |
|                                     |                 |               | Ant1                       | Ant2 | Sum |         |
| DFT-s-OFDM QPSK                     | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     | Pass    |
| DFT-s-OFDM 16 QAM                   | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     | Pass    |
| DFT-s-OFDM 64 QAM                   | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     | Pass    |
| DFT-s-OFDM 256 QAM                  | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     | Pass    |
| CP-OFDM QPSK                        | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     | Pass    |

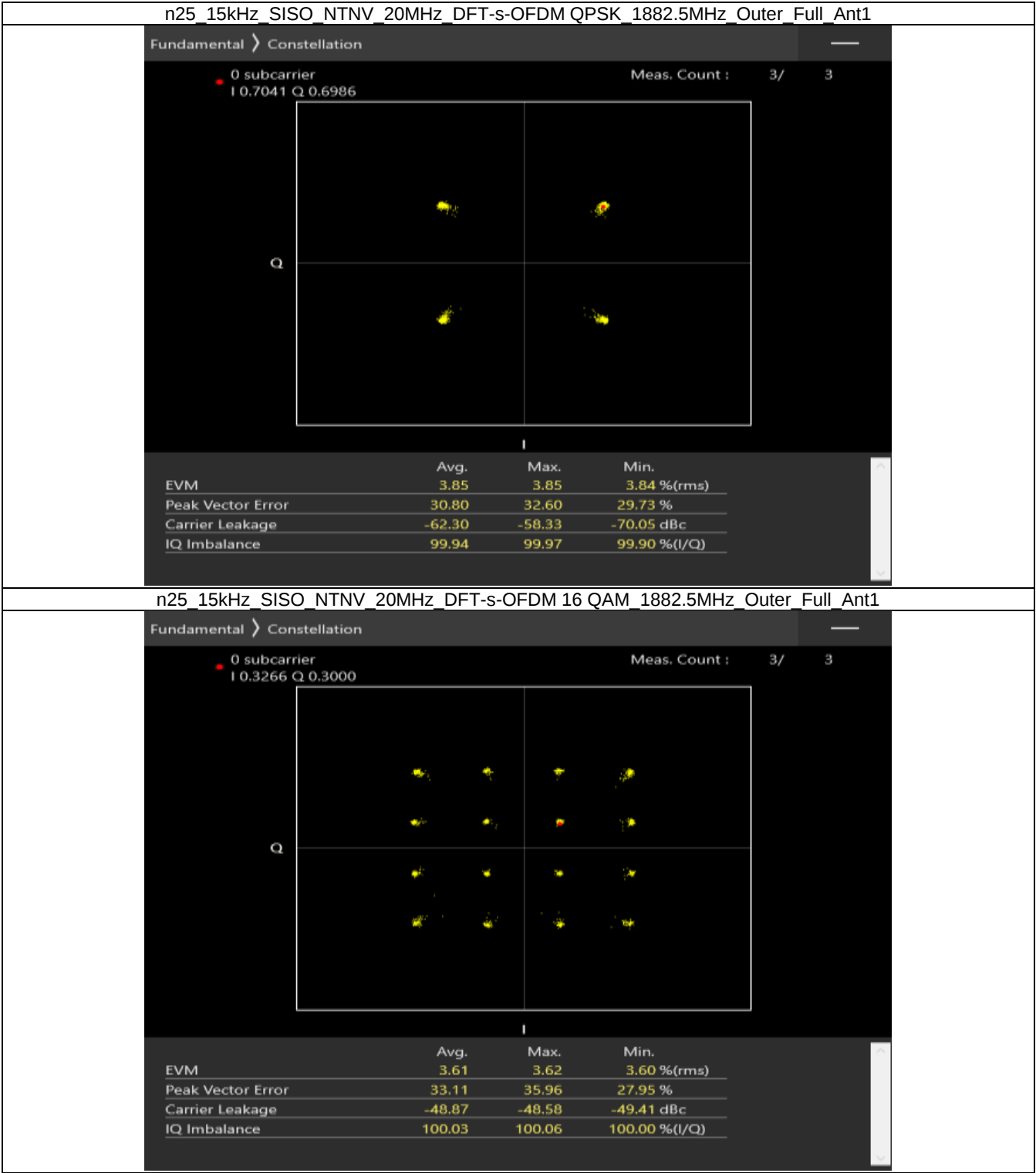
|                 |        |            |                     |      |
|-----------------|--------|------------|---------------------|------|
| CP-OFDM 16 QAM  | 1882.5 | Outer_Full | Refer To Test Graph | Pass |
| CP-OFDM 64 QAM  | 1882.5 | Outer_Full | Refer To Test Graph | Pass |
| CP-OFDM 256 QAM | 1882.5 | Outer_Full | Refer To Test Graph | Pass |

### 3.1.2 30k\_SISO\_20MHz\_NTNV

| 5G NR n25 SCS=30kHz SISO 20MHz NTN |                 |               |                            |      |     |       |         |
|------------------------------------|-----------------|---------------|----------------------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Modulation Characteristics |      |     |       | Verdict |
|                                    |                 |               | Ant1                       | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     |       | Pass    |
| DFT-s-OFDM 16 QAM                  | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     |       | Pass    |
| DFT-s-OFDM 64 QAM                  | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     |       | Pass    |
| DFT-s-OFDM 256 QAM                 | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     |       | Pass    |
| CP-OFDM QPSK                       | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     |       | Pass    |
| CP-OFDM 16 QAM                     | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     |       | Pass    |
| CP-OFDM 64 QAM                     | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     |       | Pass    |
| CP-OFDM 256 QAM                    | 1882.5          | Outer_Full    | Refer To Test Graph        |      |     |       | Pass    |

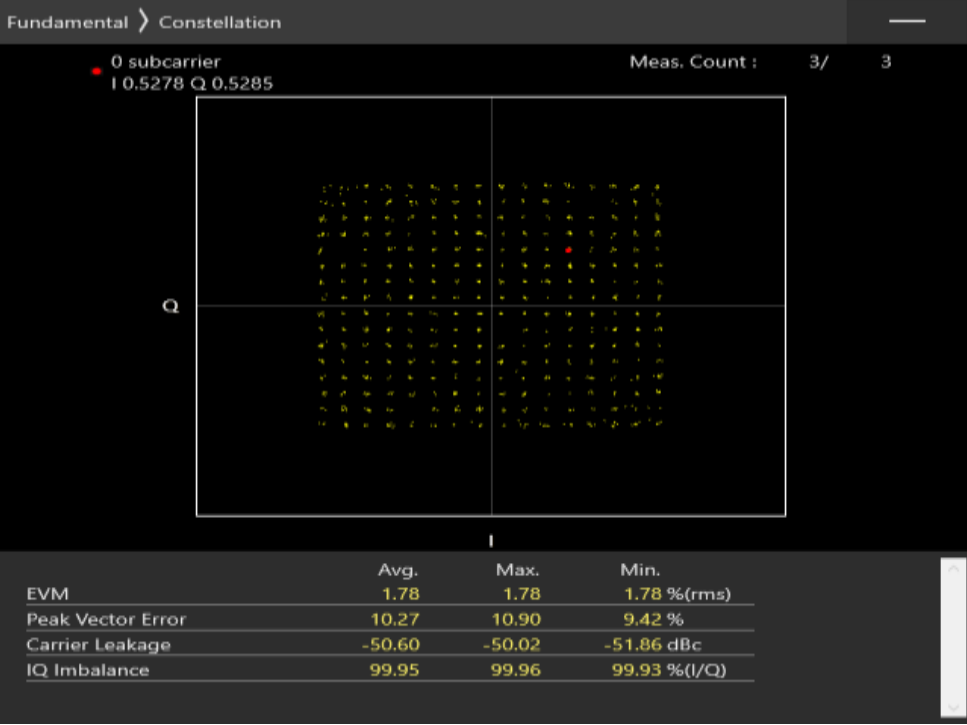
3.2 Test Graph

3.2.1 15k\_SISO\_20MHz\_NTNV



n25\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_64\_QAM\_1882.5MHz\_Outer\_Full\_Ant1

n25\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_1882.5MHz\_Outer\_Full\_Ant1



n25 15kHz SISO NTN 20MHz CP-OFDM QPSK 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier  
I 0.7047 Q 0.7146

Meas. Count : 3/ 3

Q

I

|                   | Avg.   | Max.   | Min.         |
|-------------------|--------|--------|--------------|
| EVM               | 5.87   | 5.89   | 5.86 %(rms)  |
| Peak Vector Error | 19.07  | 19.66  | 18.59 %      |
| Carrier Leakage   | -51.17 | -50.02 | -52.78 dBc   |
| IQ Imbalance      | 99.99  | 100.08 | 99.93 %(I/Q) |

n25 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier  
I 0.3157 Q 0.3480

Meas. Count : 3/ 3

Q

I

|                   | Avg.   | Max.   | Min.          |
|-------------------|--------|--------|---------------|
| EVM               | 5.01   | 5.03   | 4.98 %(rms)   |
| Peak Vector Error | 17.64  | 18.16  | 17.10 %       |
| Carrier Leakage   | -54.84 | -52.46 | -57.03 dBc    |
| IQ Imbalance      | 100.08 | 100.11 | 100.04 %(I/Q) |

n25 15kHz SISO NTNV 20MHz CP-OFDM 64 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier  
I 0.5154 Q 0.4581

Meas. Count : 3/ 3

Q

|                   | Avg.   | Max.   | Min.          |
|-------------------|--------|--------|---------------|
| EVM               | 3.99   | 4.02   | 3.95 %(rms)   |
| Peak Vector Error | 15.05  | 17.18  | 12.99 %       |
| Carrier Leakage   | -46.60 | -45.40 | -47.75 dBc    |
| IQ Imbalance      | 100.05 | 100.07 | 100.04 %(I/Q) |

n25 15kHz SISO NTNV 20MHz CP-OFDM 256 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

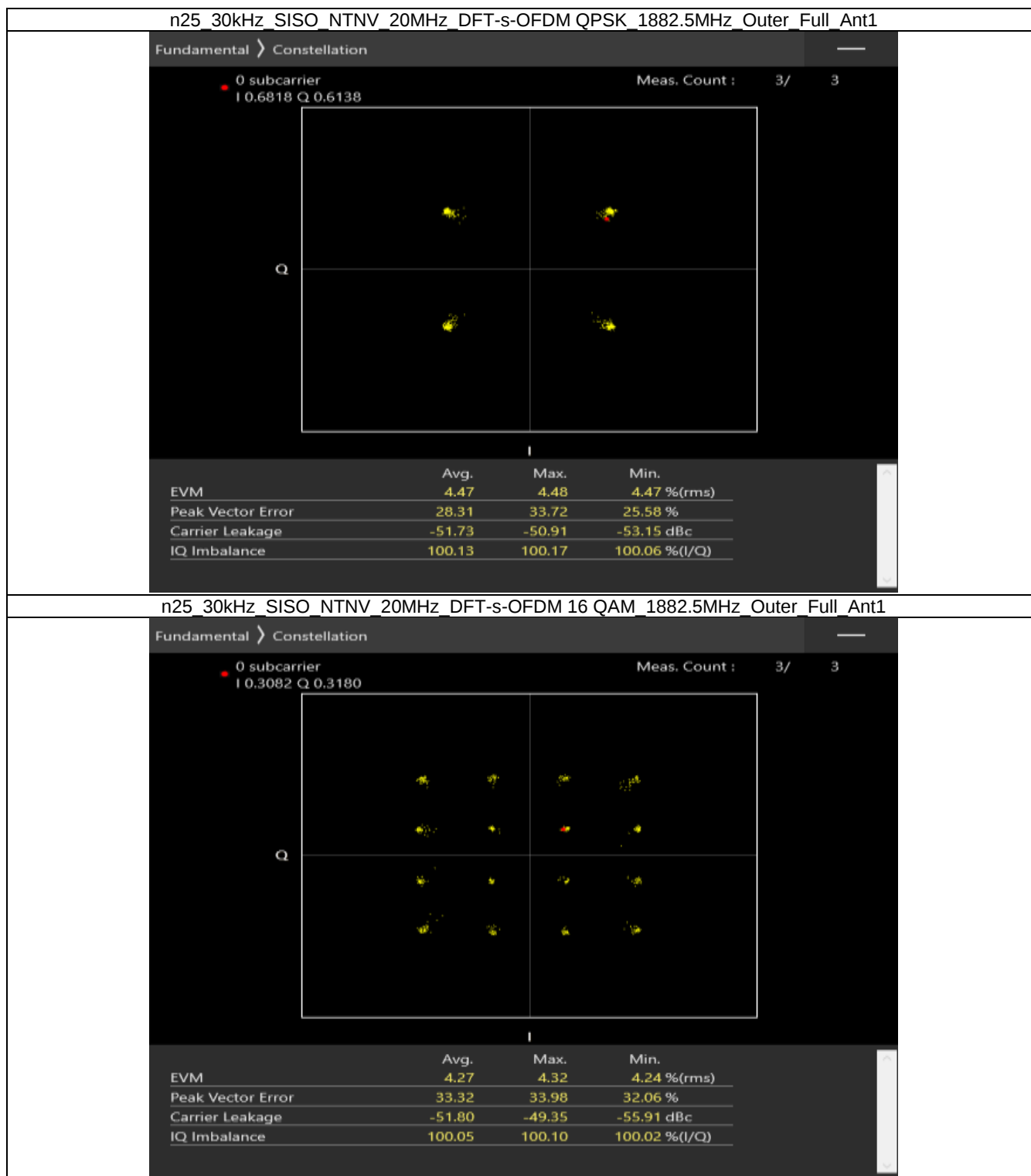
0 subcarrier  
I 0.5219 Q 0.2389

Meas. Count : 3/ 3

Q

|                   | Avg.   | Max.   | Min.          |
|-------------------|--------|--------|---------------|
| EVM               | 1.75   | 1.77   | 1.74 %(rms)   |
| Peak Vector Error | 6.78   | 7.46   | 6.14 %        |
| Carrier Leakage   | -45.60 | -45.35 | -45.99 dBc    |
| IQ Imbalance      | 100.05 | 100.07 | 100.02 %(I/Q) |

### 3.2.2 30k\_SISO\_20MHz\_NTNV



n25 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier  
I 0.4776 Q 0.4709

Meas. Count : 3/ 3

Q

|                   | Avg.   | Max.   | Min.          |
|-------------------|--------|--------|---------------|
| EVM               | 3.47   | 3.51   | 3.44 %(rms)   |
| Peak Vector Error | 20.27  | 20.68  | 19.66 %       |
| Carrier Leakage   | -48.86 | -48.63 | -49.34 dBc    |
| IQ Imbalance      | 100.12 | 100.14 | 100.08 %(I/Q) |

n25 30kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier  
I 0.5314 Q 0.5413

Meas. Count : 3/ 3

Q

|                   | Avg.   | Max.   | Min.         |
|-------------------|--------|--------|--------------|
| EVM               | 2.10   | 2.12   | 2.08 %(rms)  |
| Peak Vector Error | 10.38  | 10.51  | 10.11 %      |
| Carrier Leakage   | -44.81 | -44.67 | -44.94 dBc   |
| IQ Imbalance      | 100.00 | 100.03 | 99.99 %(I/Q) |

n25 30kHz SISO NTN 20MHz CP-OFDM QPSK 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier  
I 0.6818 Q 0.7372

Meas. Count : 3/ 3

Q

I

|                   | Avg.   | Max.   | Min.         |
|-------------------|--------|--------|--------------|
| EVM               | 6.29   | 6.34   | 6.23 %(rms)  |
| Peak Vector Error | 21.56  | 22.41  | 20.66 %      |
| Carrier Leakage   | -49.67 | -48.28 | -50.71 dBc   |
| IQ Imbalance      | 99.89  | 99.92  | 99.88 %(I/Q) |

n25 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier  
I 0.2857 Q 0.2954

Meas. Count : 3/ 3

Q

I

|                   | Avg.   | Max.   | Min.         |
|-------------------|--------|--------|--------------|
| EVM               | 4.53   | 4.78   | 4.39 %(rms)  |
| Peak Vector Error | 16.78  | 17.12  | 16.17 %      |
| Carrier Leakage   | -56.34 | -56.20 | -56.59 dBc   |
| IQ Imbalance      | 99.99  | 100.06 | 99.95 %(I/Q) |

n25 30kHz SISO NTN 20MHz CP-OFDM 64 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier  
I 0.1703 Q 0.4732

Meas. Count : 3/ 3

Q

|                   | Avg.   | Max.   | Min.          |
|-------------------|--------|--------|---------------|
| EVM               | 3.49   | 3.63   | 3.41 %(rms)   |
| Peak Vector Error | 13.40  | 15.15  | 12.32 %       |
| Carrier Leakage   | -55.33 | -54.14 | -57.29 dBc    |
| IQ Imbalance      | 100.09 | 100.13 | 100.05 %(I/Q) |

n25 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 1882.5MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier  
I 0.5397 Q 0.5282

Meas. Count : 3/ 3

Q

|                   | Avg.   | Max.   | Min.         |
|-------------------|--------|--------|--------------|
| EVM               | 1.66   | 1.68   | 1.65 %(rms)  |
| Peak Vector Error | 5.14   | 5.21   | 5.01 %       |
| Carrier Leakage   | -43.22 | -42.96 | -43.41 dBc   |
| IQ Imbalance      | 99.99  | 100.01 | 99.97 %(I/Q) |

## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 15k\_SISO\_5MHz\_NTNV

| 5G NR n25 SCS=15kHz SISO 5MHz NTN |                 |               |                     |                      |             |         |
|-----------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM QPSK                   | 1852.5          | Outer_Full    | 4.57                | 5.05                 | /           | Pass    |
|                                   | 1882.5          | Outer_Full    | 4.57                | 5.06                 | /           | Pass    |
|                                   | 1912.5          | Outer_Full    | 4.60                | 5.08                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                 | 1852.5          | Outer_Full    | 4.56                | 5.06                 | /           | Pass    |
|                                   | 1882.5          | Outer_Full    | 4.57                | 5.06                 | /           | Pass    |
|                                   | 1912.5          | Outer_Full    | 4.56                | 5.06                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                 | 1852.5          | Outer_Full    | 4.57                | 5.00                 | /           | Pass    |
|                                   | 1882.5          | Outer_Full    | 4.57                | 5.06                 | /           | Pass    |
|                                   | 1912.5          | Outer_Full    | 4.61                | 5.06                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                | 1852.5          | Outer_Full    | 4.54                | 5.03                 | /           | Pass    |
|                                   | 1882.5          | Outer_Full    | 4.55                | 5.04                 | /           | Pass    |
|                                   | 1912.5          | Outer_Full    | 4.56                | 5.07                 | /           | Pass    |
| CP-OFDM QPSK                      | 1852.5          | Outer_Full    | 4.58                | 5.07                 | /           | Pass    |
|                                   | 1882.5          | Outer_Full    | 4.57                | 5.04                 | /           | Pass    |
|                                   | 1912.5          | Outer_Full    | 4.57                | 5.14                 | /           | Pass    |
| CP-OFDM 16 QAM                    | 1852.5          | Outer_Full    | 4.56                | 5.04                 | /           | Pass    |
|                                   | 1882.5          | Outer_Full    | 4.57                | 5.07                 | /           | Pass    |
|                                   | 1912.5          | Outer_Full    | 4.55                | 5.03                 | /           | Pass    |
| CP-OFDM 64 QAM                    | 1852.5          | Outer_Full    | 4.56                | 5.07                 | /           | Pass    |
|                                   | 1882.5          | Outer_Full    | 4.54                | 5.06                 | /           | Pass    |
|                                   | 1912.5          | Outer_Full    | 4.56                | 5.53                 | /           | Pass    |
| CP-OFDM 256 QAM                   | 1852.5          | Outer_Full    | 4.55                | 5.04                 | /           | Pass    |
|                                   | 1882.5          | Outer_Full    | 4.53                | 5.06                 | /           | Pass    |
|                                   | 1912.5          | Outer_Full    | 4.53                | 5.04                 | /           | Pass    |

#### 4.1.2 15k\_SISO\_10MHz\_NTNV

| 5G NR n25 SCS=15kHz SISO 10MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM QPSK                    | 1855            | Outer_Full    | 9.08                | 9.93                 | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 9.09                | 9.93                 | /           | Pass    |
|                                    | 1910            | Outer_Full    | 9.08                | 9.91                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 1855            | Outer_Full    | 9.07                | 10.00                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 9.10                | 10.01                | /           | Pass    |
|                                    | 1910            | Outer_Full    | 9.05                | 9.96                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 1855            | Outer_Full    | 9.08                | 9.90                 | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 9.09                | 9.94                 | /           | Pass    |
|                                    | 1910            | Outer_Full    | 9.08                | 9.92                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 1855            | Outer_Full    | 9.06                | 9.99                 | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 9.05                | 9.85                 | /           | Pass    |
|                                    | 1910            | Outer_Full    | 9.05                | 9.97                 | /           | Pass    |
| CP-OFDM QPSK                       | 1855            | Outer_Full    | 9.41                | 11.98                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 9.42                | 11.89                | /           | Pass    |

|                 |        |            |      |       |   |      |
|-----------------|--------|------------|------|-------|---|------|
|                 | 1910   | Outer_Full | 9.40 | 10.28 | / | Pass |
| CP-OFDM 16 QAM  | 1855   | Outer_Full | 9.42 | 10.99 | / | Pass |
|                 | 1882.5 | Outer_Full | 9.42 | 11.09 | / | Pass |
|                 | 1910   | Outer_Full | 9.39 | 10.88 | / | Pass |
| CP-OFDM 64 QAM  | 1855   | Outer_Full | 9.42 | 10.11 | / | Pass |
|                 | 1882.5 | Outer_Full | 9.43 | 10.14 | / | Pass |
|                 | 1910   | Outer_Full | 9.41 | 10.15 | / | Pass |
| CP-OFDM 256 QAM | 1855   | Outer_Full | 9.40 | 10.07 | / | Pass |
|                 | 1882.5 | Outer_Full | 9.42 | 10.19 | / | Pass |
|                 | 1910   | Outer_Full | 9.38 | 10.16 | / | Pass |

#### 4.1.3 15k\_SISO\_15MHz\_NTNV

| 5G NR n25 SCS=15kHz SISO 15MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM QPSK                    | 1857.5          | Outer_Full    | 13.61               | 14.86                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 13.65               | 14.84                | /           | Pass    |
|                                    | 1907.5          | Outer_Full    | 13.65               | 14.84                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 1857.5          | Outer_Full    | 13.59               | 14.84                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 13.66               | 14.85                | /           | Pass    |
|                                    | 1907.5          | Outer_Full    | 13.64               | 14.86                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 1857.5          | Outer_Full    | 13.61               | 14.86                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 13.67               | 14.97                | /           | Pass    |
|                                    | 1907.5          | Outer_Full    | 13.66               | 14.87                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 1857.5          | Outer_Full    | 13.65               | 14.92                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 13.70               | 14.95                | /           | Pass    |
|                                    | 1907.5          | Outer_Full    | 13.67               | 14.96                | /           | Pass    |
| CP-OFDM QPSK                       | 1857.5          | Outer_Full    | 14.27               | 16.07                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 14.33               | 16.93                | /           | Pass    |
|                                    | 1907.5          | Outer_Full    | 14.29               | 15.37                | /           | Pass    |
| CP-OFDM 16 QAM                     | 1857.5          | Outer_Full    | 14.31               | 15.37                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 14.38               | 16.51                | /           | Pass    |
|                                    | 1907.5          | Outer_Full    | 14.34               | 15.40                | /           | Pass    |
| CP-OFDM 64 QAM                     | 1857.5          | Outer_Full    | 14.31               | 15.45                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 14.36               | 15.40                | /           | Pass    |
|                                    | 1907.5          | Outer_Full    | 14.33               | 15.44                | /           | Pass    |
| CP-OFDM 256 QAM                    | 1857.5          | Outer_Full    | 14.28               | 15.44                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 14.33               | 15.45                | /           | Pass    |
|                                    | 1907.5          | Outer_Full    | 14.31               | 15.38                | /           | Pass    |

#### 4.1.4 15k\_SISO\_20MHz\_NTNV

| 5G NR n25 SCS=15kHz SISO 20MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM QPSK                    | 1860            | Outer_Full    | 18.12               | 19.60                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.19               | 19.62                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.23               | 19.61                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 1860            | Outer_Full    | 18.25               | 19.29                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.23               | 19.60                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.23               | 19.62                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 1860            | Outer_Full    | 18.29               | 19.28                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.22               | 19.66                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.25               | 19.58                | /           | Pass    |

|                    |        |            |       |       |   |      |
|--------------------|--------|------------|-------|-------|---|------|
| DFT-s-OFDM 256 QAM | 1860   | Outer_Full | 18.05 | 19.48 | / | Pass |
|                    | 1882.5 | Outer_Full | 18.17 | 19.68 | / | Pass |
|                    | 1905   | Outer_Full | 18.20 | 19.72 | / | Pass |
| CP-OFDM QPSK       | 1860   | Outer_Full | 19.19 | 23.60 | / | Pass |
|                    | 1882.5 | Outer_Full | 19.28 | 23.45 | / | Pass |
|                    | 1905   | Outer_Full | 19.24 | 20.48 | / | Pass |
| CP-OFDM 16 QAM     | 1860   | Outer_Full | 19.12 | 20.52 | / | Pass |
|                    | 1882.5 | Outer_Full | 19.24 | 21.39 | / | Pass |
|                    | 1905   | Outer_Full | 19.24 | 20.56 | / | Pass |
| CP-OFDM 64 QAM     | 1860   | Outer_Full | 19.11 | 20.49 | / | Pass |
|                    | 1882.5 | Outer_Full | 19.24 | 20.52 | / | Pass |
|                    | 1905   | Outer_Full | 19.26 | 20.52 | / | Pass |
| CP-OFDM 256 QAM    | 1860   | Outer_Full | 19.00 | 19.91 | / | Pass |
|                    | 1882.5 | Outer_Full | 19.20 | 20.45 | / | Pass |
|                    | 1905   | Outer_Full | 19.19 | 20.55 | / | Pass |

#### 4.1.5 30k\_SISO\_10MHz\_NTNV

| 5G NR n25 SCS=30kHz SISO 10MHz NTNV |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM QPSK                     | 1855            | Outer_Full    | 8.82                | 10.03                | /           | Pass    |
|                                     | 1882.5          | Outer_Full    | 8.86                | 11.26                | /           | Pass    |
|                                     | 1910            | Outer_Full    | 8.82                | 9.98                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 1855            | Outer_Full    | 8.76                | 9.99                 | /           | Pass    |
|                                     | 1882.5          | Outer_Full    | 8.82                | 10.03                | /           | Pass    |
|                                     | 1910            | Outer_Full    | 8.81                | 9.96                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 1855            | Outer_Full    | 8.77                | 9.95                 | /           | Pass    |
|                                     | 1882.5          | Outer_Full    | 8.77                | 9.94                 | /           | Pass    |
|                                     | 1910            | Outer_Full    | 8.76                | 9.96                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 1855            | Outer_Full    | 8.74                | 9.96                 | /           | Pass    |
|                                     | 1882.5          | Outer_Full    | 8.71                | 9.96                 | /           | Pass    |
|                                     | 1910            | Outer_Full    | 8.71                | 9.88                 | /           | Pass    |
| CP-OFDM QPSK                        | 1855            | Outer_Full    | 8.86                | 10.05                | /           | Pass    |
|                                     | 1882.5          | Outer_Full    | 8.89                | 15.23                | /           | Pass    |
|                                     | 1910            | Outer_Full    | 8.85                | 10.19                | /           | Pass    |
| CP-OFDM 16 QAM                      | 1855            | Outer_Full    | 8.79                | 9.96                 | /           | Pass    |
|                                     | 1882.5          | Outer_Full    | 8.80                | 13.39                | /           | Pass    |
|                                     | 1910            | Outer_Full    | 8.82                | 10.04                | /           | Pass    |
| CP-OFDM 64 QAM                      | 1855            | Outer_Full    | 8.78                | 10.05                | /           | Pass    |
|                                     | 1882.5          | Outer_Full    | 8.86                | 12.44                | /           | Pass    |
|                                     | 1910            | Outer_Full    | 8.77                | 10.29                | /           | Pass    |
| CP-OFDM 256 QAM                     | 1855            | Outer_Full    | 8.79                | 9.92                 | /           | Pass    |
|                                     | 1882.5          | Outer_Full    | 8.80                | 9.99                 | /           | Pass    |
|                                     | 1910            | Outer_Full    | 8.76                | 9.84                 | /           | Pass    |

#### 4.1.6 30k\_SISO\_15MHz\_NTNV

| 5G NR n25 SCS=30kHz SISO 15MHz NTNV |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM QPSK                     | 1857.5          | Outer_Full    | 13.18               | 14.91                | /           | Pass    |
|                                     | 1882.5          | Outer_Full    | 13.25               | 14.99                | /           | Pass    |
|                                     | 1907.5          | Outer_Full    | 13.19               | 14.76                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 1857.5          | Outer_Full    | 13.13               | 14.93                | /           | Pass    |

|                    |        |            |       |       |   |      |
|--------------------|--------|------------|-------|-------|---|------|
|                    | 1882.5 | Outer_Full | 13.15 | 14.97 | / | Pass |
|                    | 1907.5 | Outer_Full | 13.10 | 14.92 | / | Pass |
| DFT-s-OFDM 64 QAM  | 1857.5 | Outer_Full | 13.27 | 14.94 | / | Pass |
|                    | 1882.5 | Outer_Full | 13.25 | 14.95 | / | Pass |
|                    | 1907.5 | Outer_Full | 13.18 | 14.87 | / | Pass |
| DFT-s-OFDM 256 QAM | 1857.5 | Outer_Full | 13.11 | 14.82 | / | Pass |
|                    | 1882.5 | Outer_Full | 13.09 | 14.77 | / | Pass |
|                    | 1907.5 | Outer_Full | 13.06 | 14.75 | / | Pass |
| CP-OFDM QPSK       | 1857.5 | Outer_Full | 13.82 | 15.51 | / | Pass |
|                    | 1882.5 | Outer_Full | 13.89 | 22.72 | / | Pass |
|                    | 1907.5 | Outer_Full | 13.78 | 15.26 | / | Pass |
| CP-OFDM 16 QAM     | 1857.5 | Outer_Full | 13.86 | 15.31 | / | Pass |
|                    | 1882.5 | Outer_Full | 13.89 | 19.82 | / | Pass |
|                    | 1907.5 | Outer_Full | 13.80 | 15.29 | / | Pass |
| CP-OFDM 64 QAM     | 1857.5 | Outer_Full | 13.93 | 15.26 | / | Pass |
|                    | 1882.5 | Outer_Full | 13.95 | 18.88 | / | Pass |
|                    | 1907.5 | Outer_Full | 13.85 | 15.25 | / | Pass |
| CP-OFDM 256 QAM    | 1857.5 | Outer_Full | 13.83 | 15.20 | / | Pass |
|                    | 1882.5 | Outer_Full | 13.81 | 15.17 | / | Pass |
|                    | 1907.5 | Outer_Full | 13.77 | 15.25 | / | Pass |

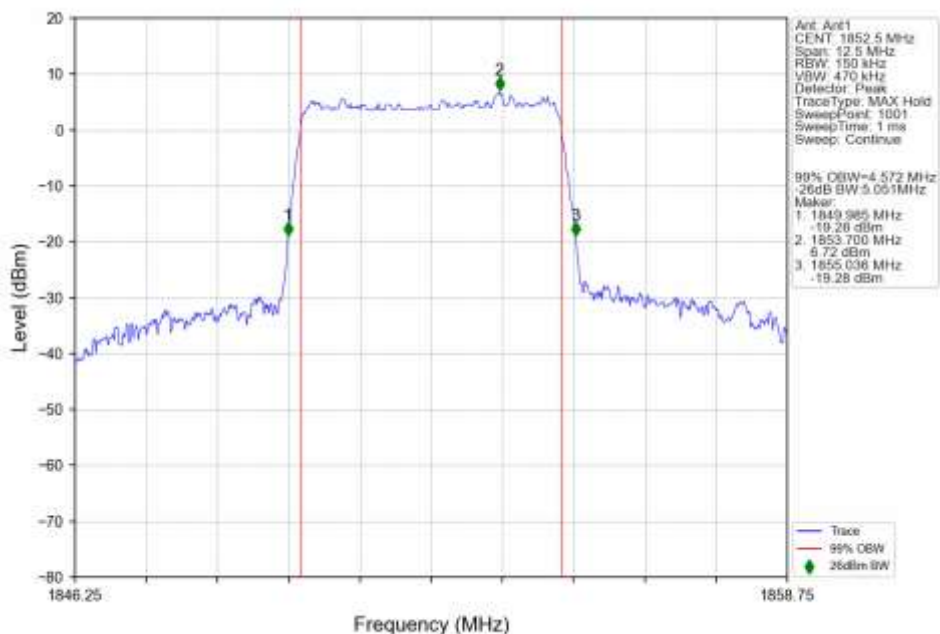
#### 4.1.7 30k\_SISO\_20MHz\_NTNV

| 5G NR n25 SCS=30kHz SISO 20MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM QPSK                    | 1860            | Outer_Full    | 18.18               | 19.79                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.23               | 19.95                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.16               | 19.92                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 1860            | Outer_Full    | 18.15               | 19.90                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.19               | 19.91                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.09               | 19.94                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 1860            | Outer_Full    | 18.20               | 19.95                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.25               | 19.96                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.16               | 19.86                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 1860            | Outer_Full    | 18.15               | 20.10                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.16               | 20.02                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.06               | 19.79                | /           | Pass    |
| CP-OFDM QPSK                       | 1860            | Outer_Full    | 18.50               | 20.17                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.67               | 27.36                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.41               | 20.05                | /           | Pass    |
| CP-OFDM 16 QAM                     | 1860            | Outer_Full    | 18.56               | 20.24                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.67               | 27.57                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.51               | 20.18                | /           | Pass    |
| CP-OFDM 64 QAM                     | 1860            | Outer_Full    | 18.55               | 20.26                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.60               | 23.98                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.47               | 20.20                | /           | Pass    |
| CP-OFDM 256 QAM                    | 1860            | Outer_Full    | 18.50               | 20.18                | /           | Pass    |
|                                    | 1882.5          | Outer_Full    | 18.46               | 20.12                | /           | Pass    |
|                                    | 1905            | Outer_Full    | 18.43               | 20.16                | /           | Pass    |

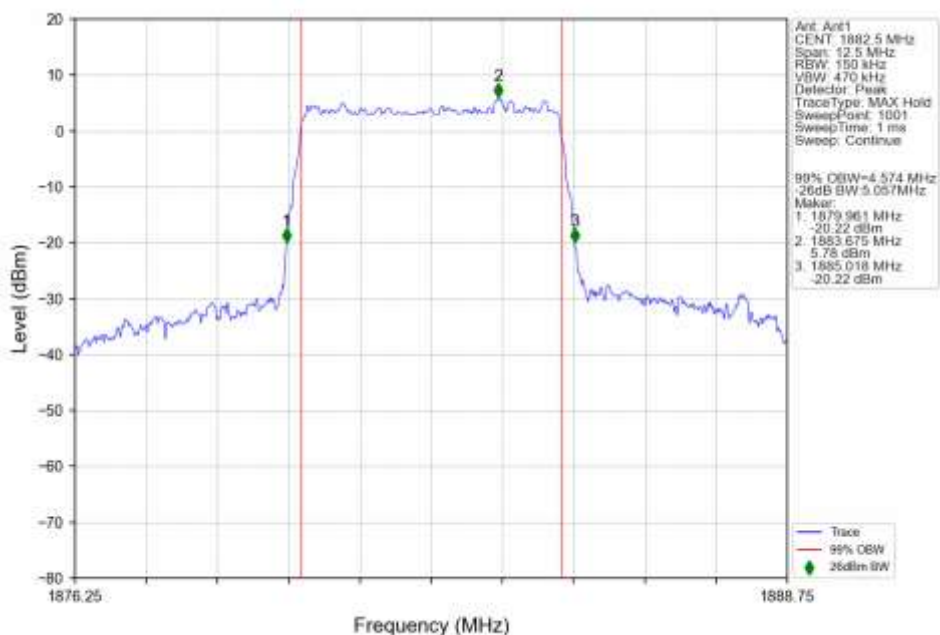
## 4.2 Test Graph

### 4.2.1 15k\_SISO\_5MHz\_NTNV

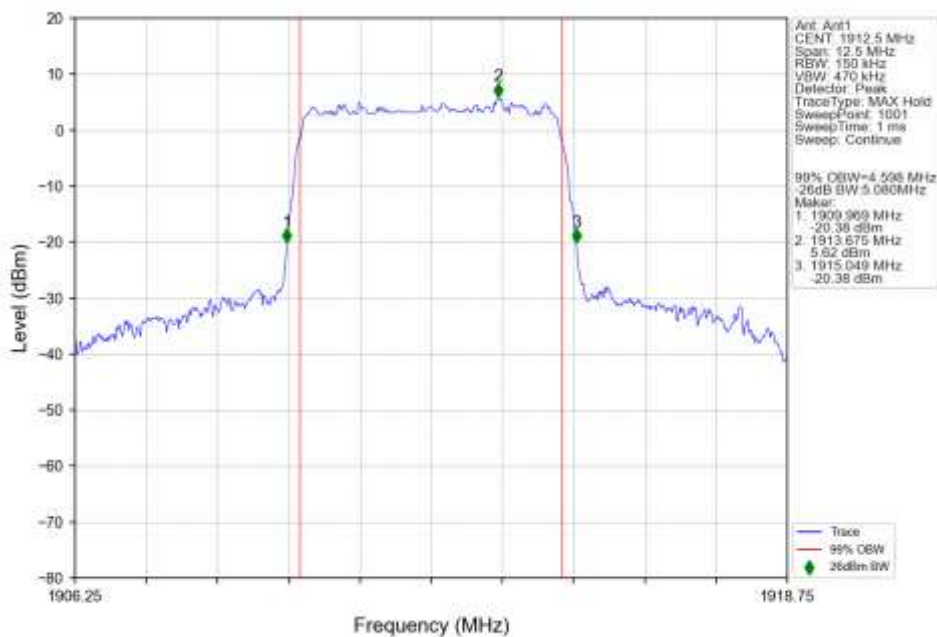
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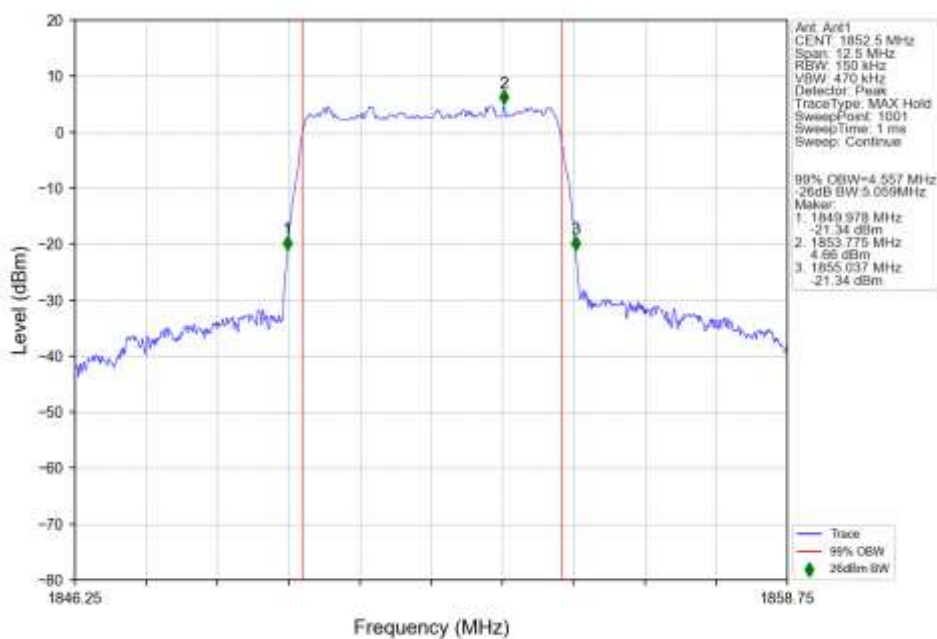
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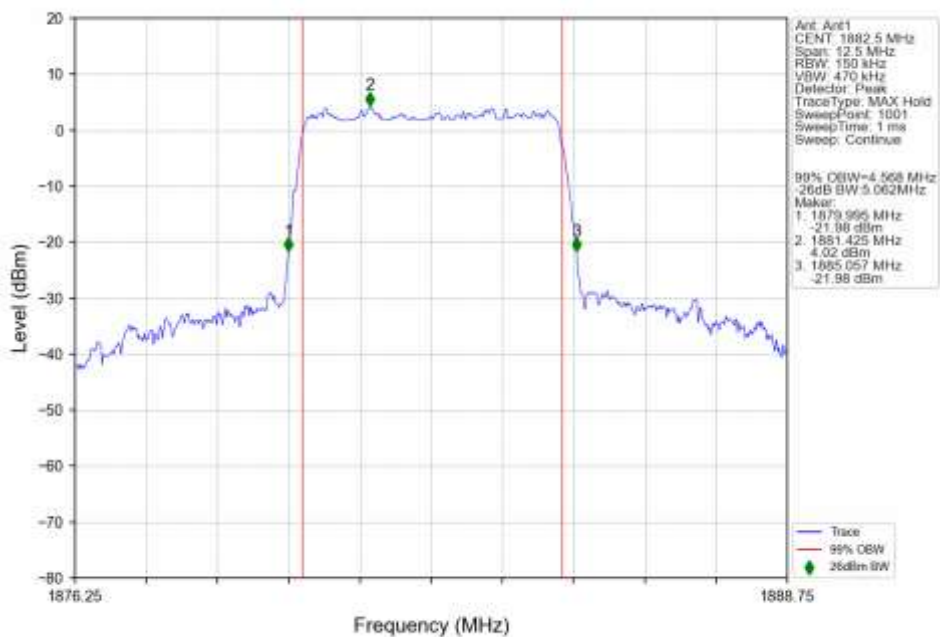
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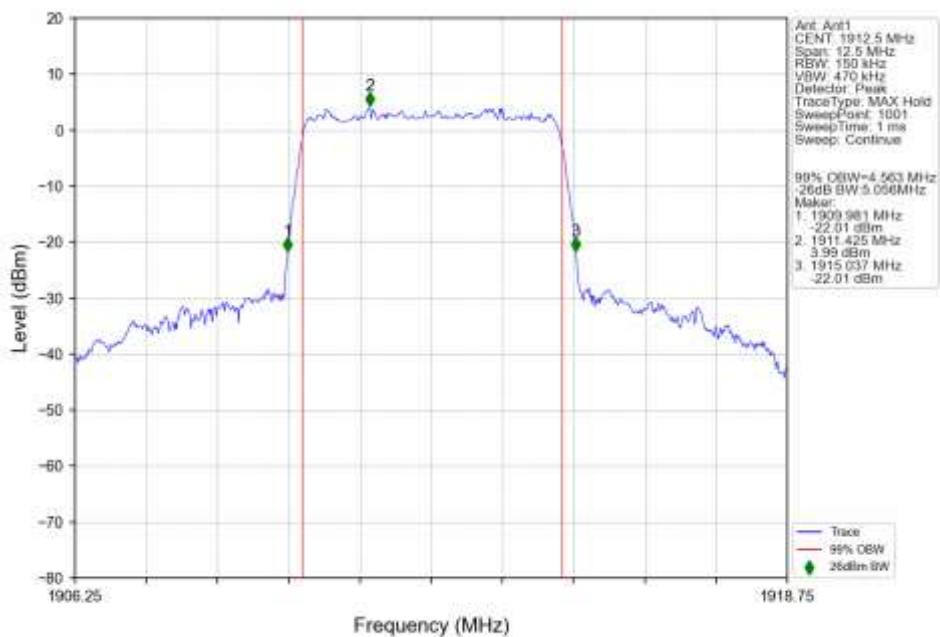
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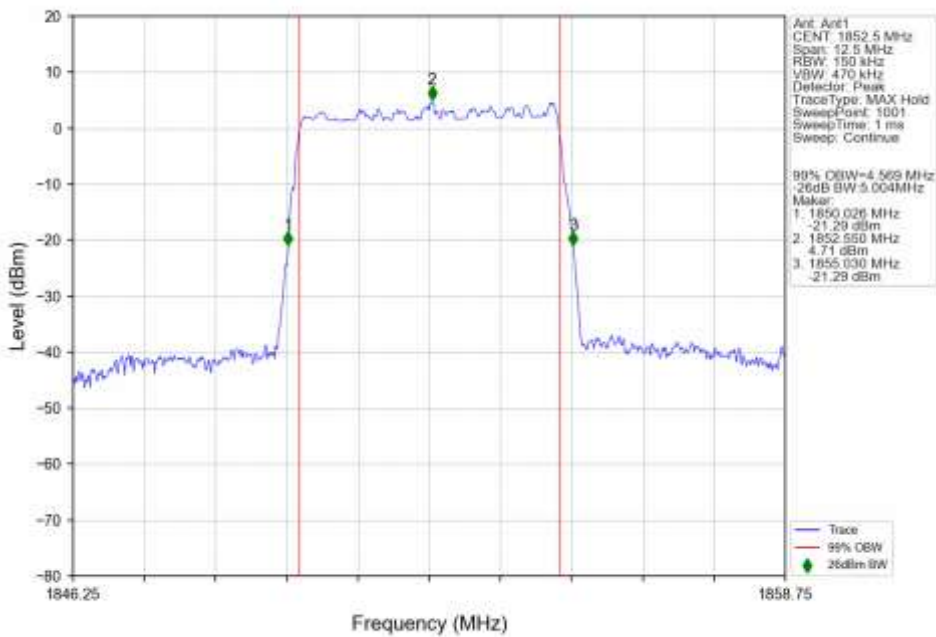
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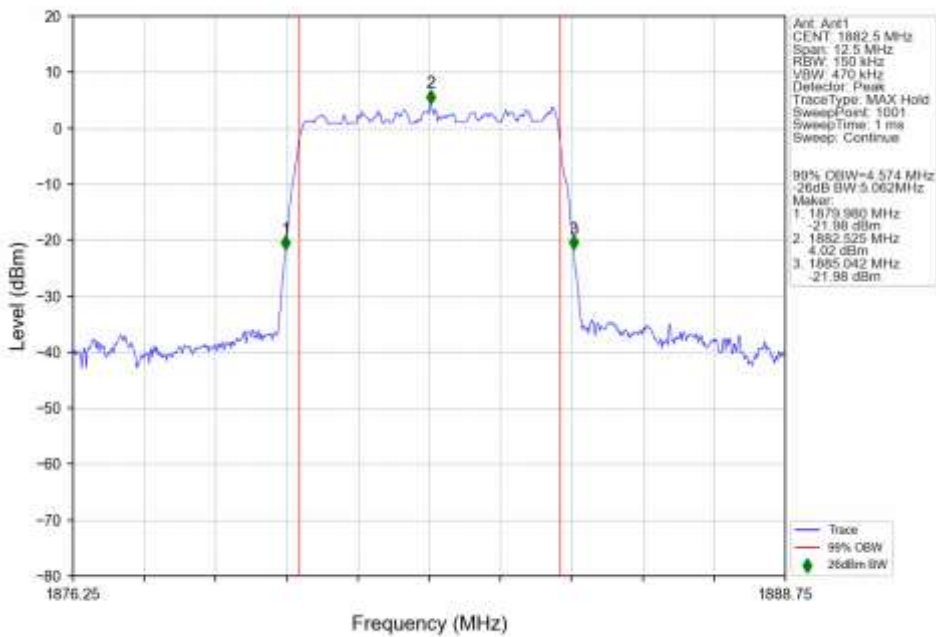
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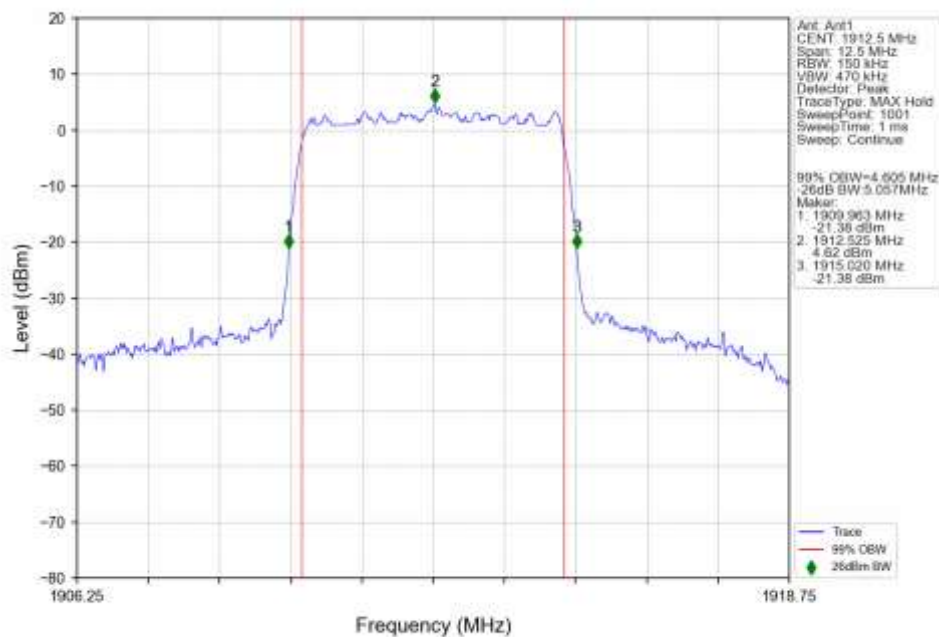
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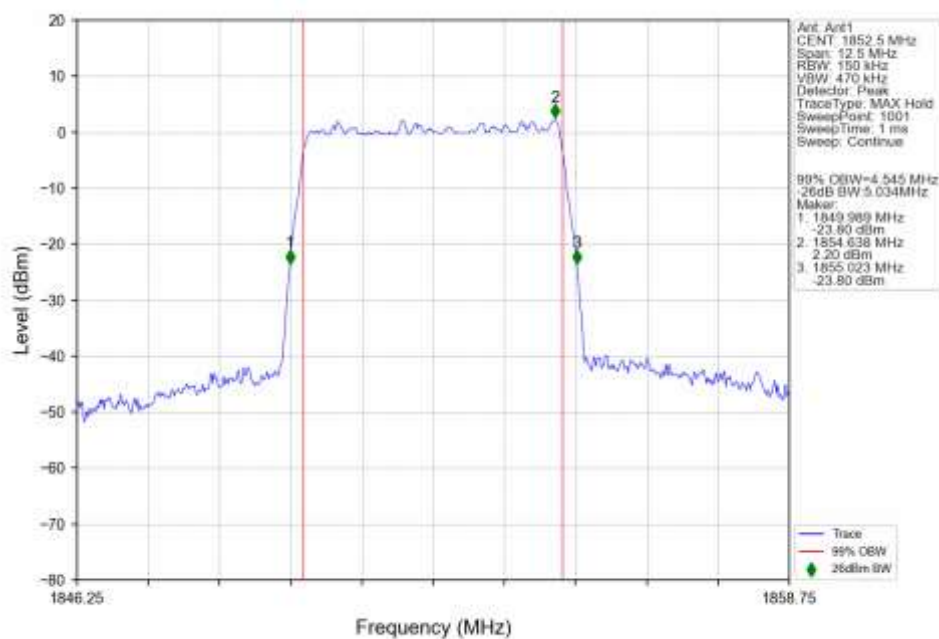
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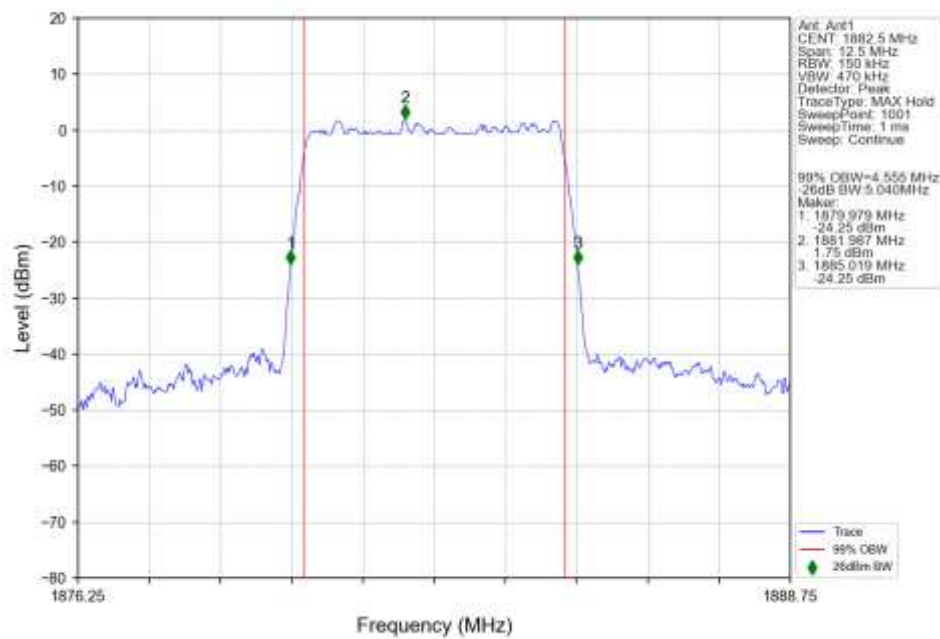
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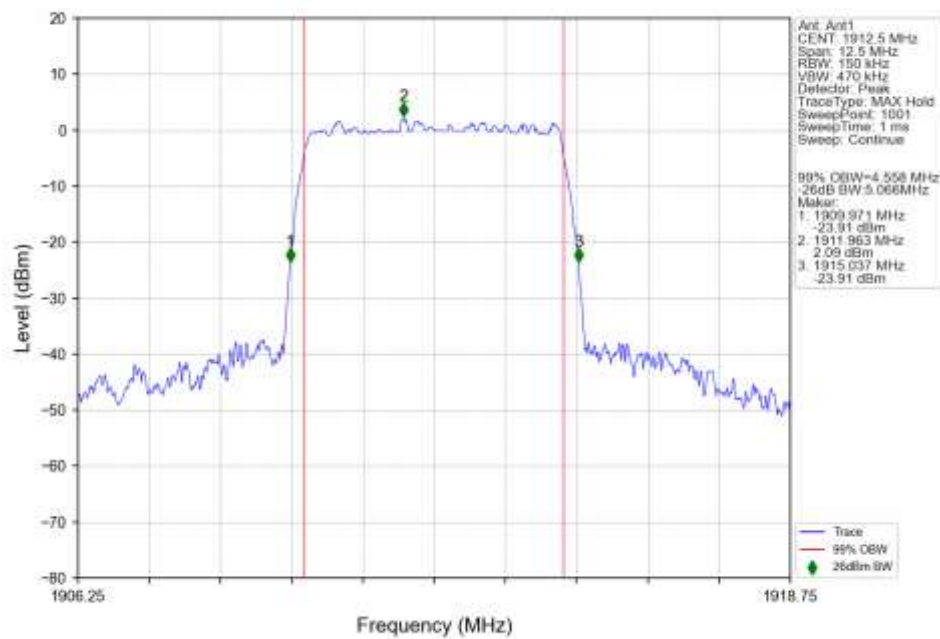
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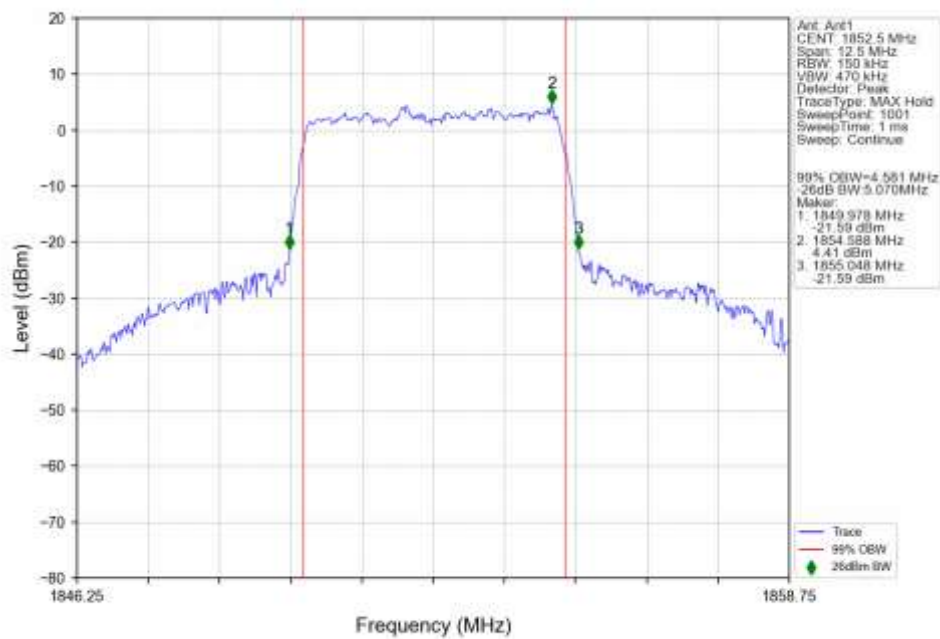
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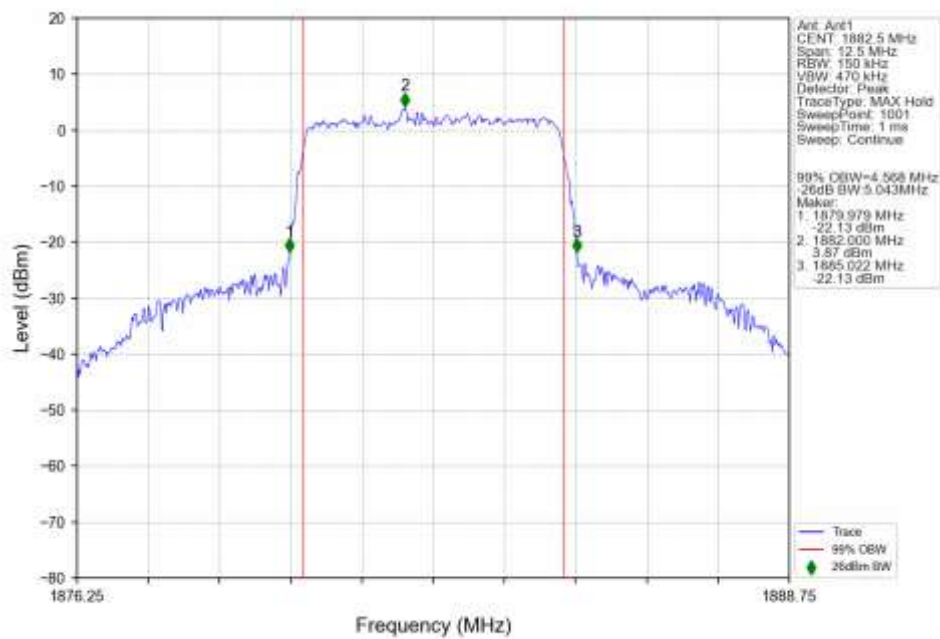
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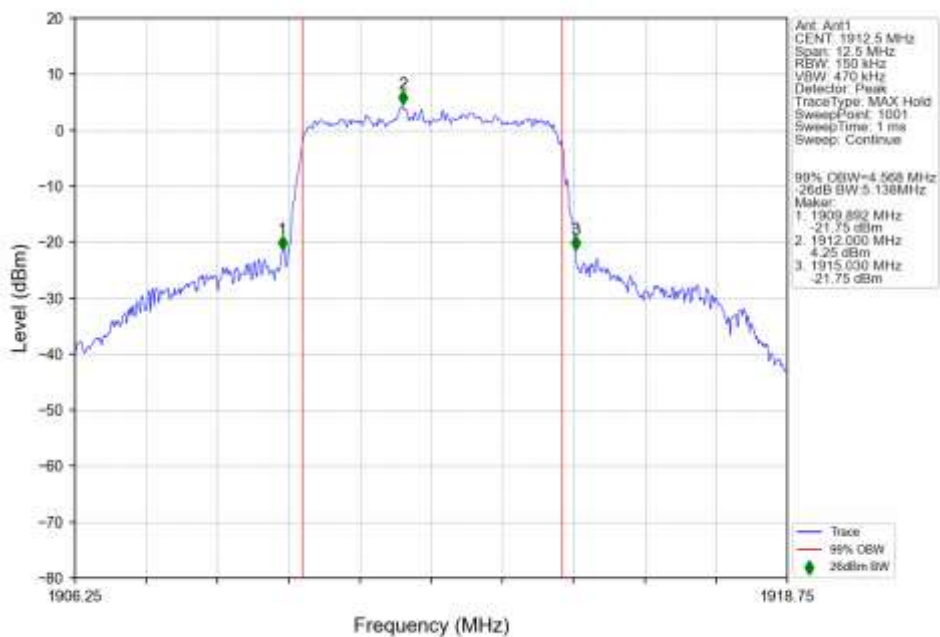
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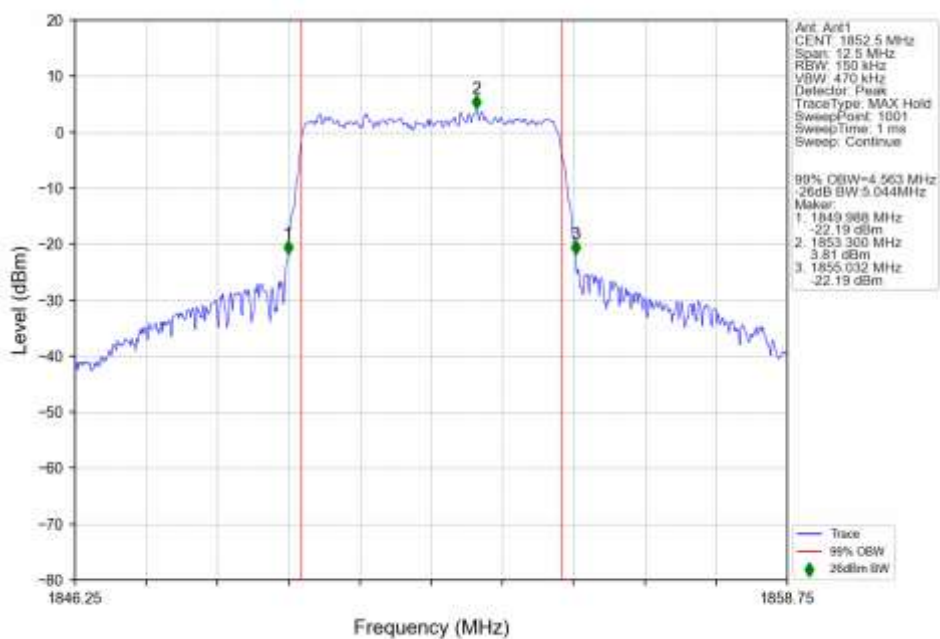
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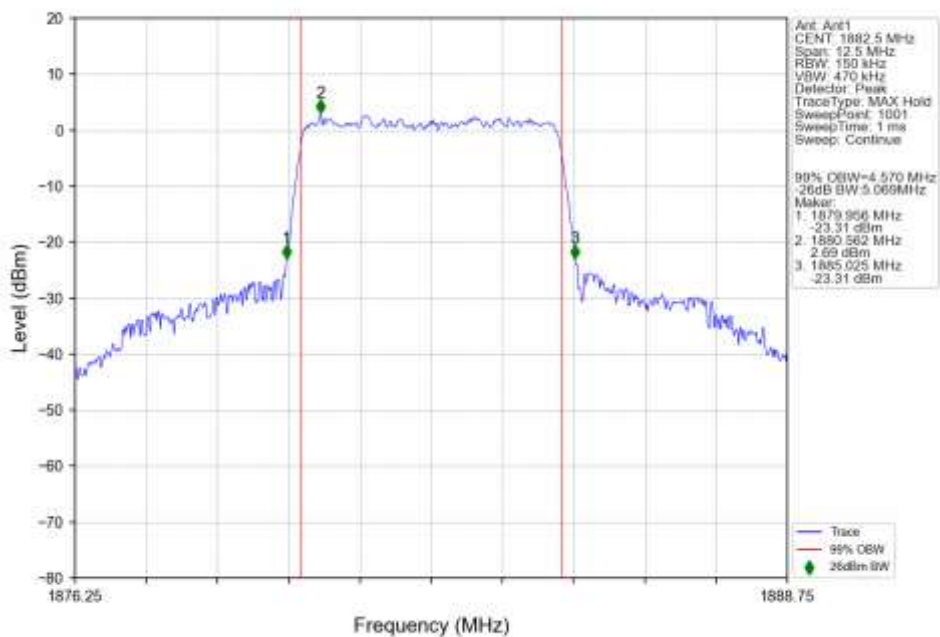
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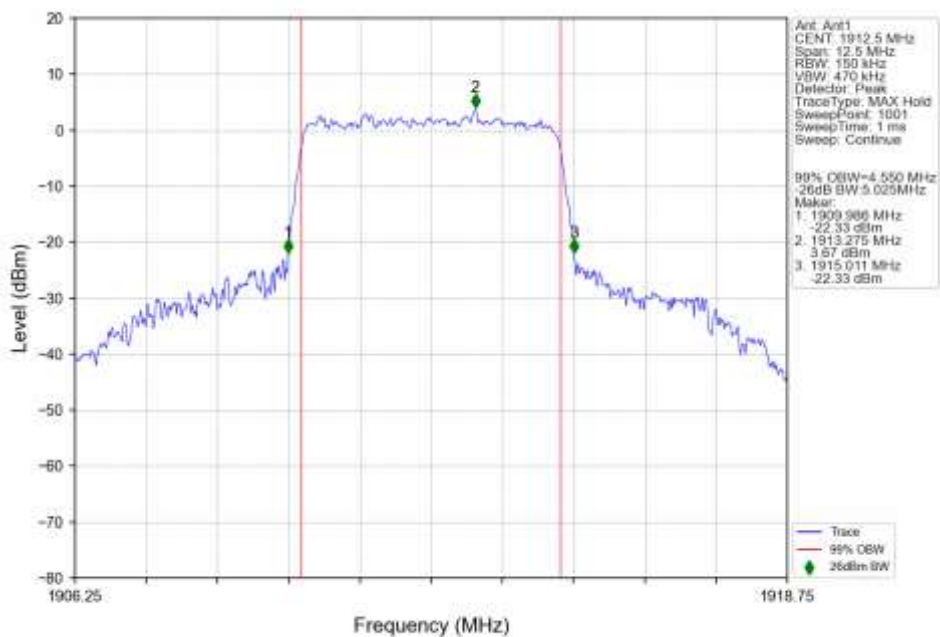
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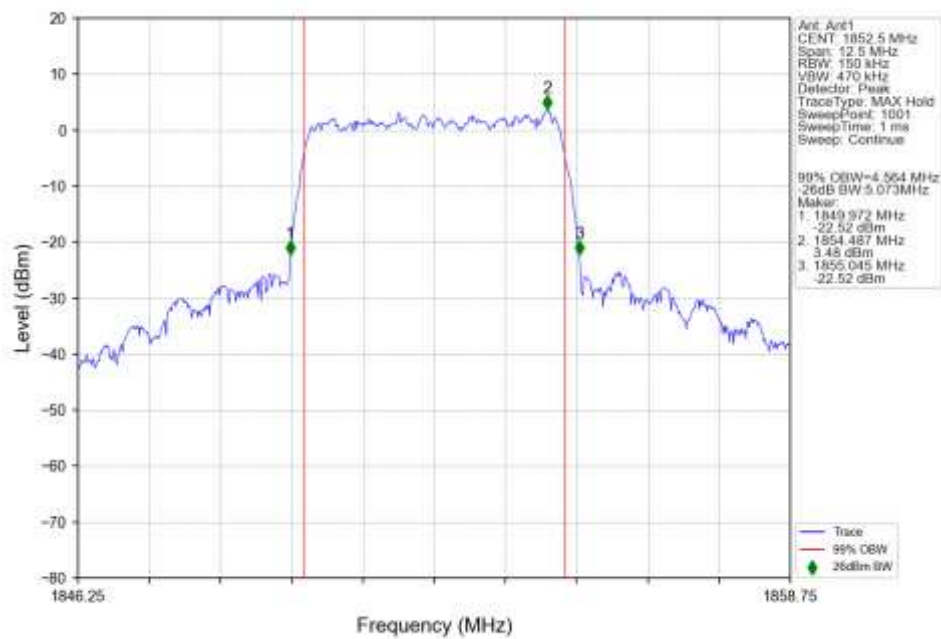
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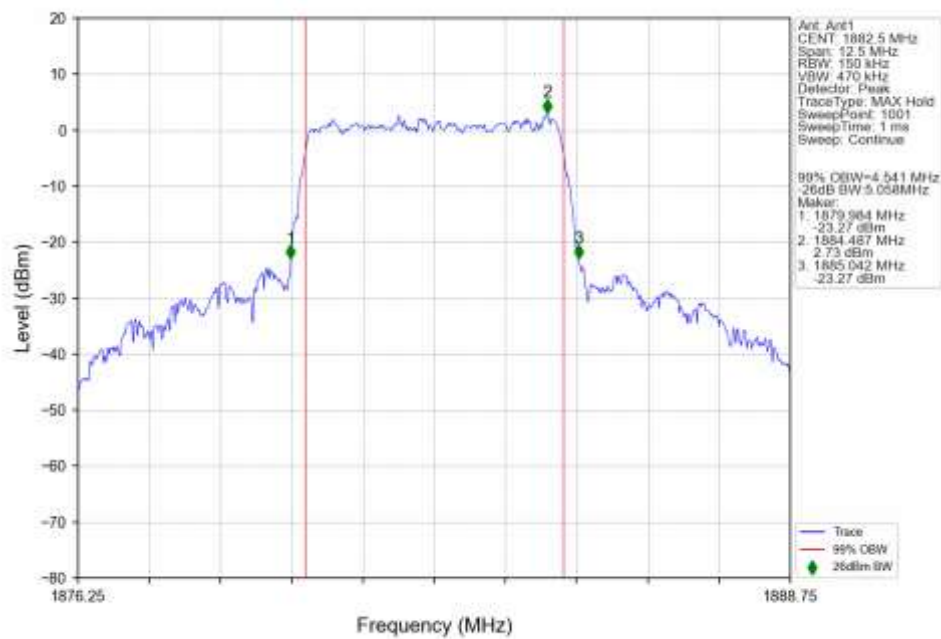
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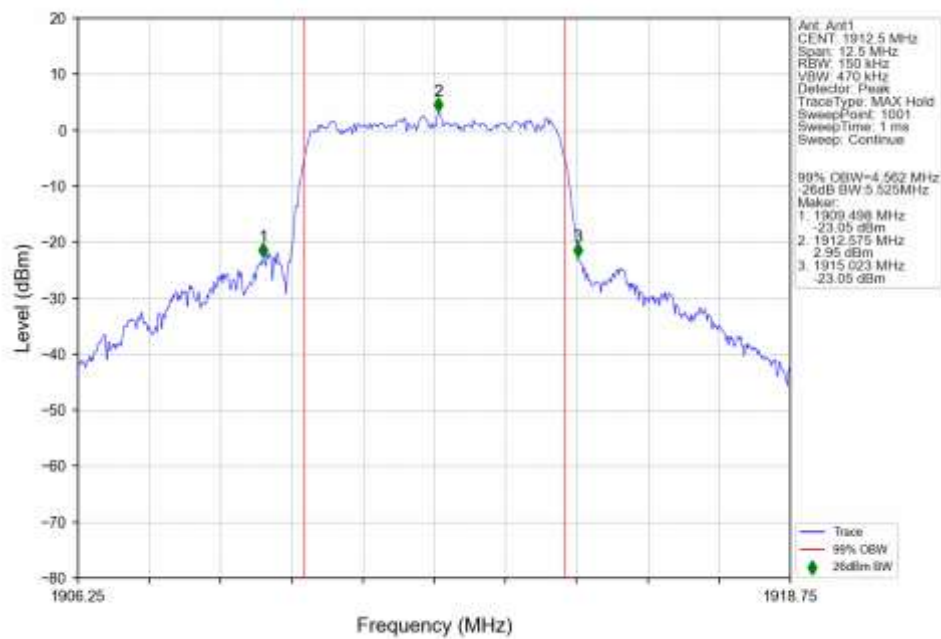
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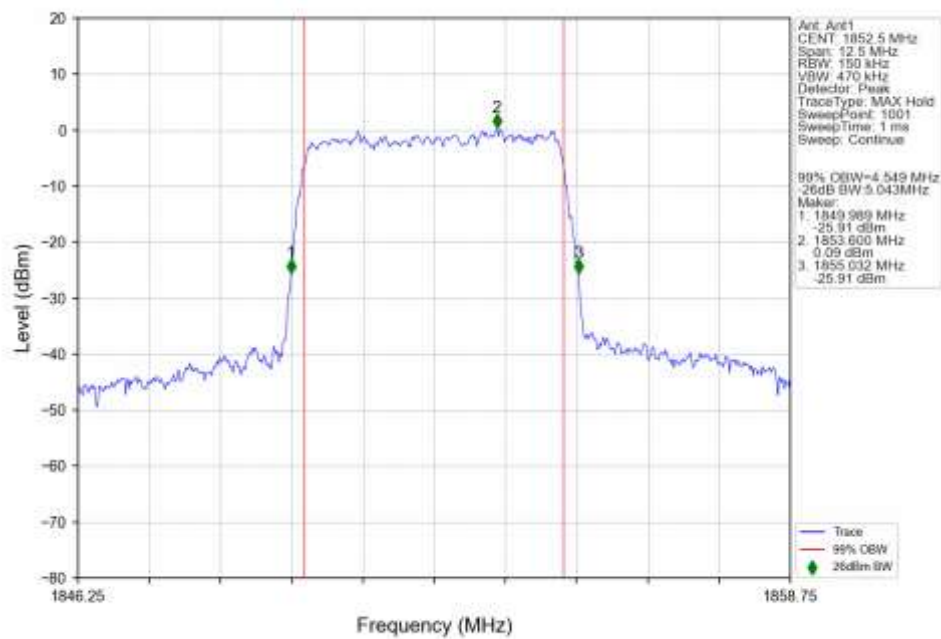
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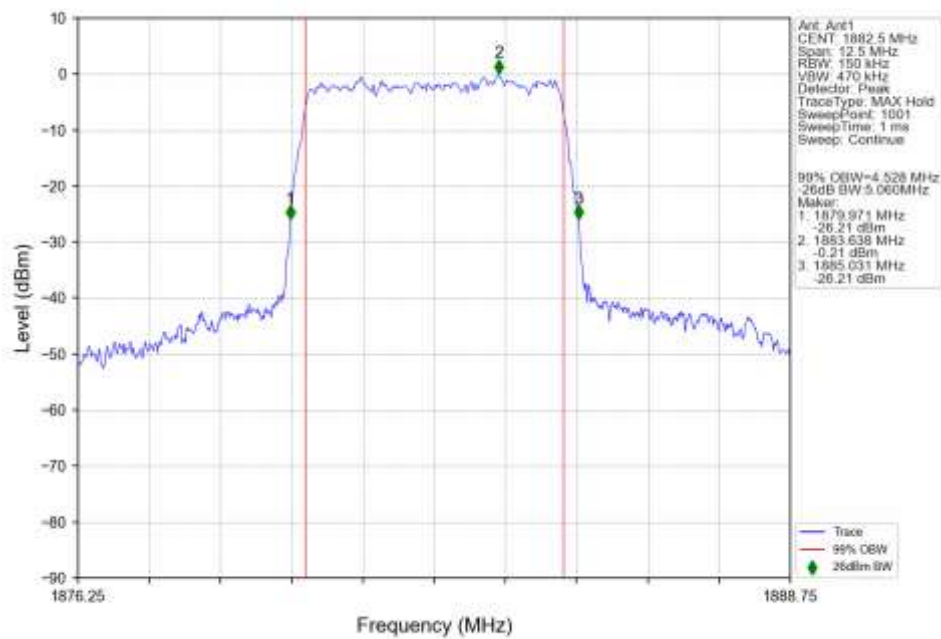
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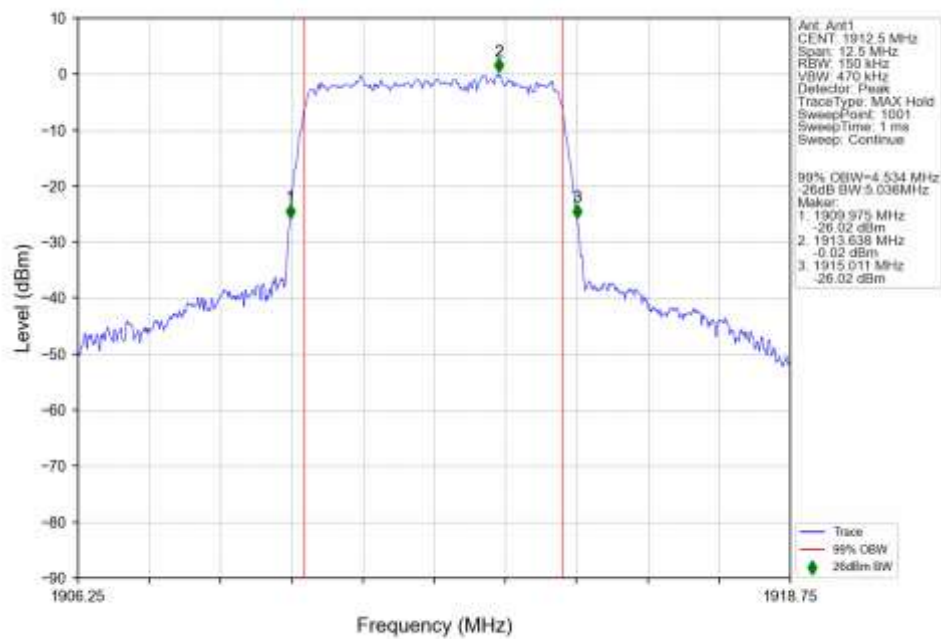
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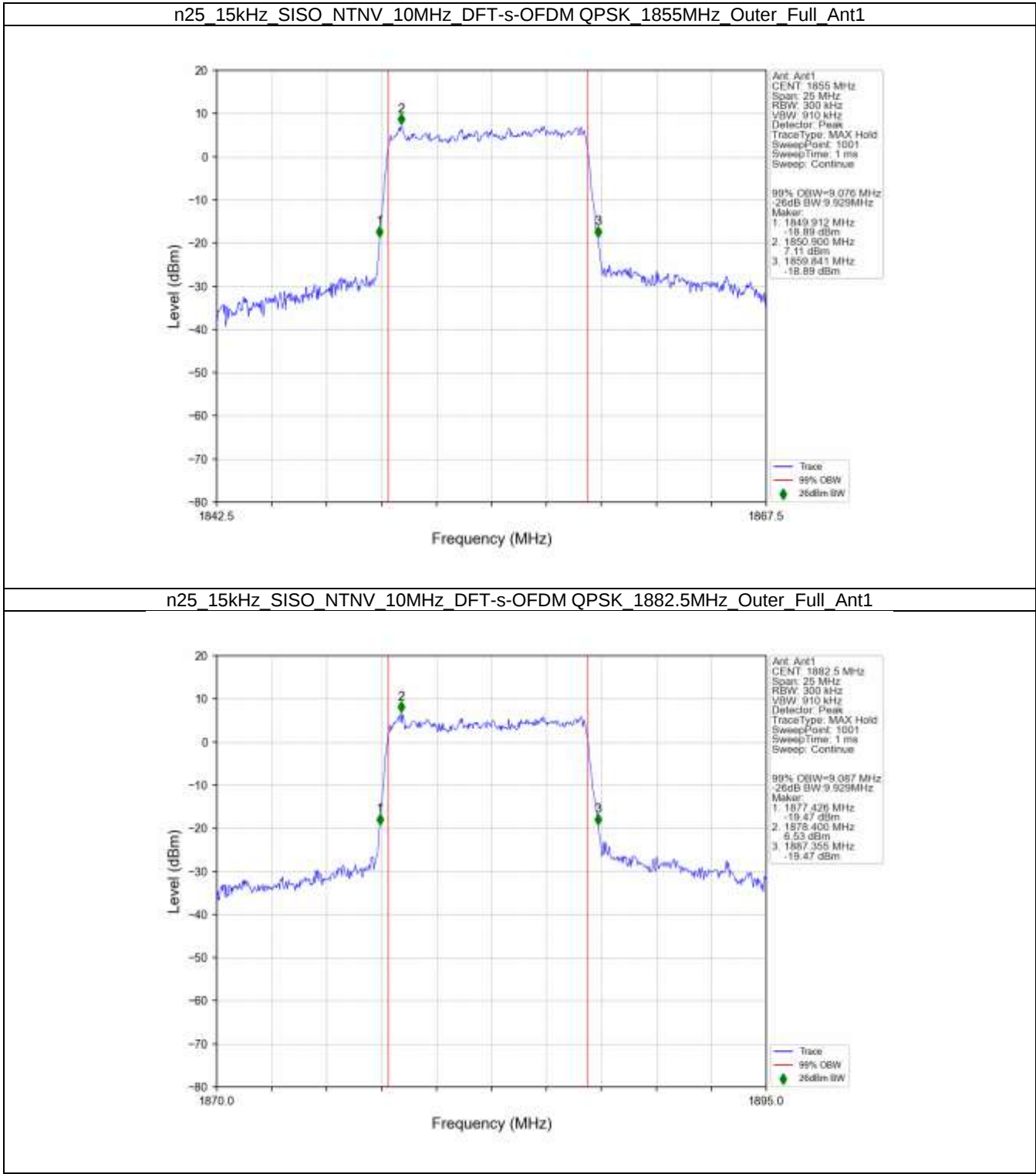
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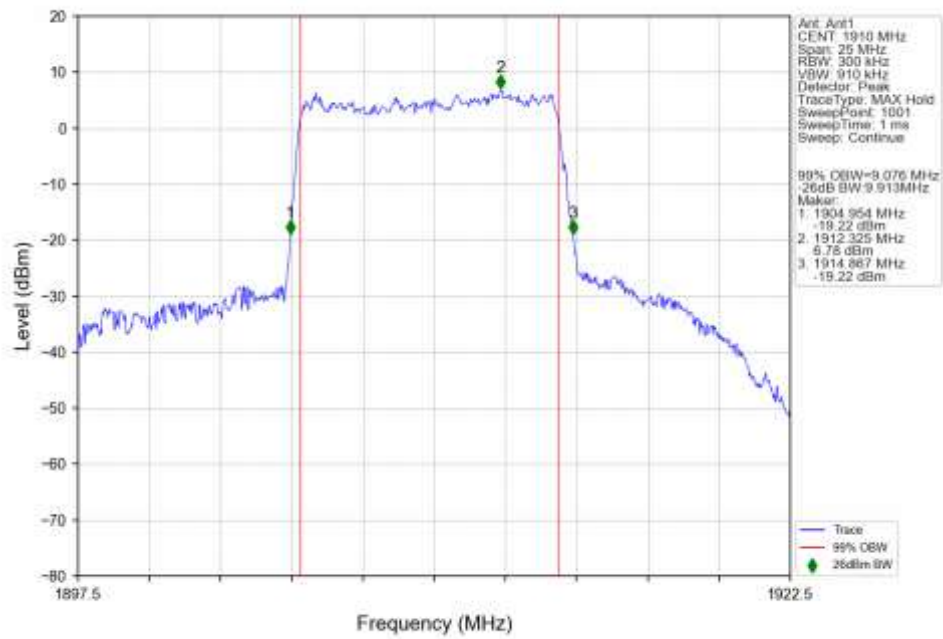
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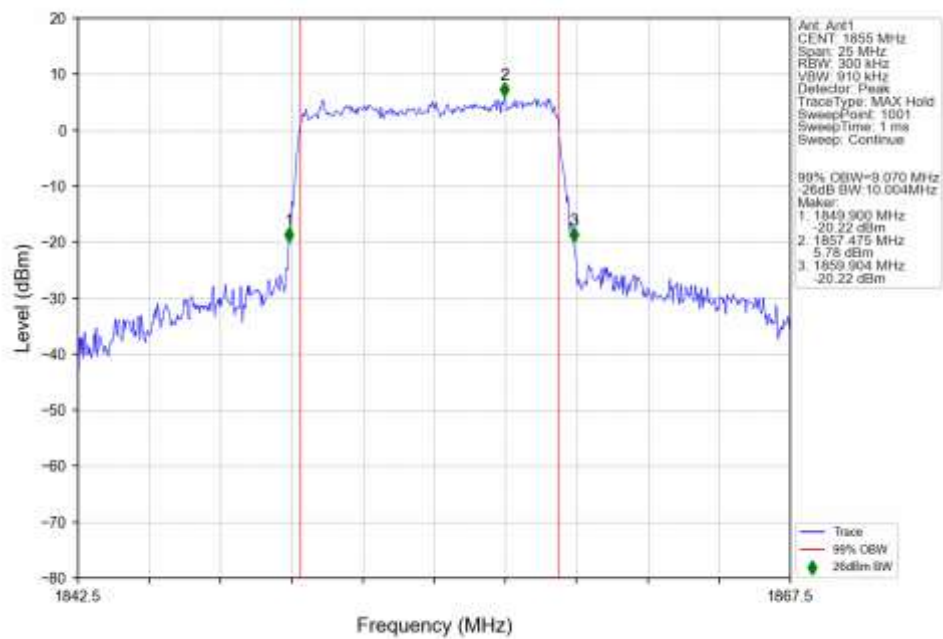
4.2.2 15k\_SISO\_10MHz\_NTNV



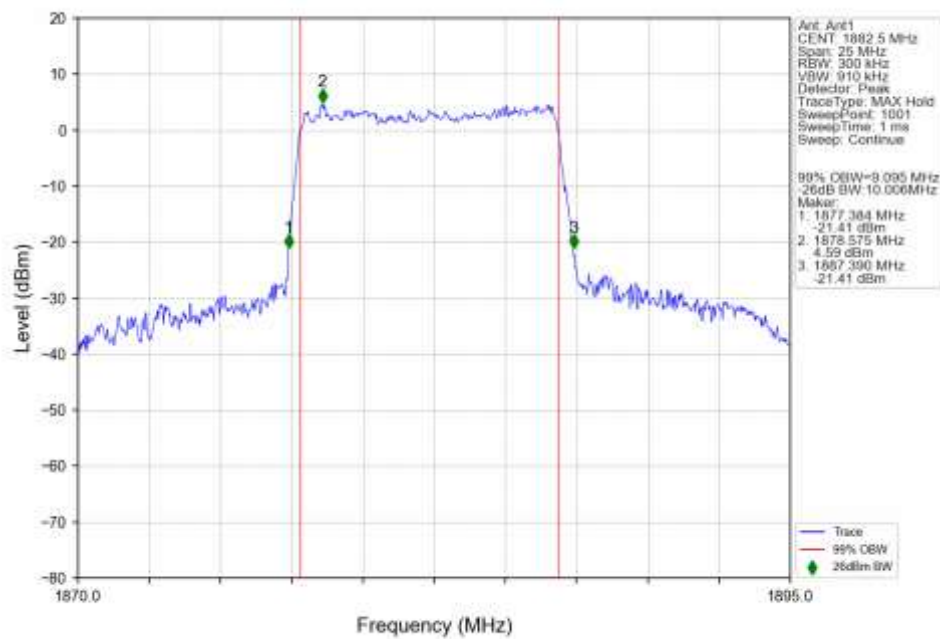
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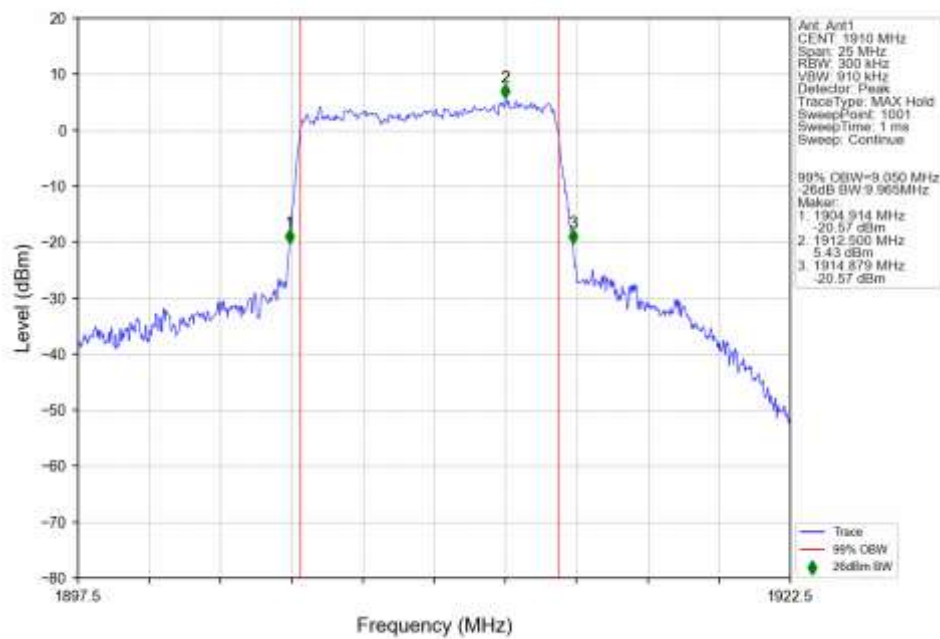
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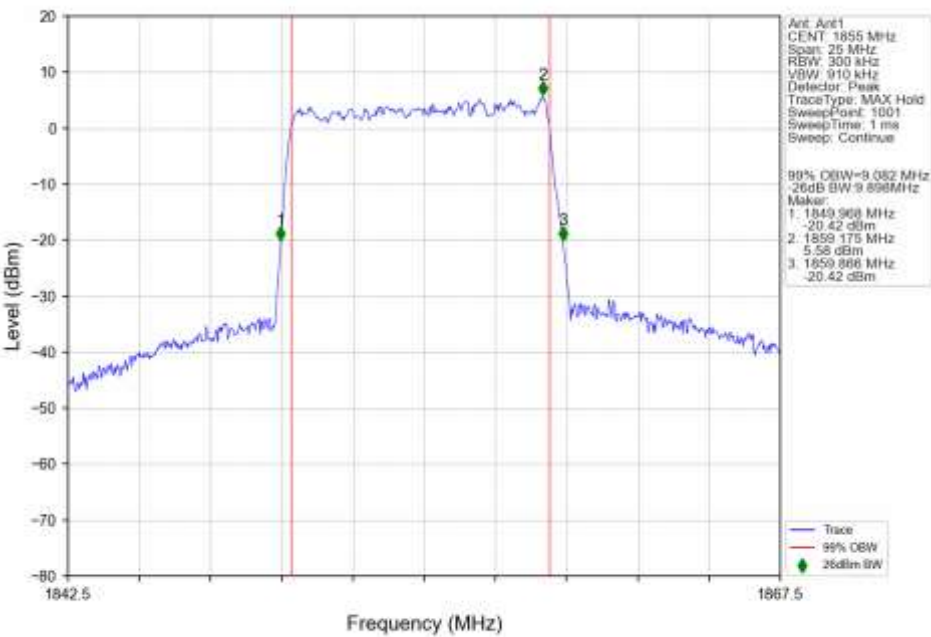
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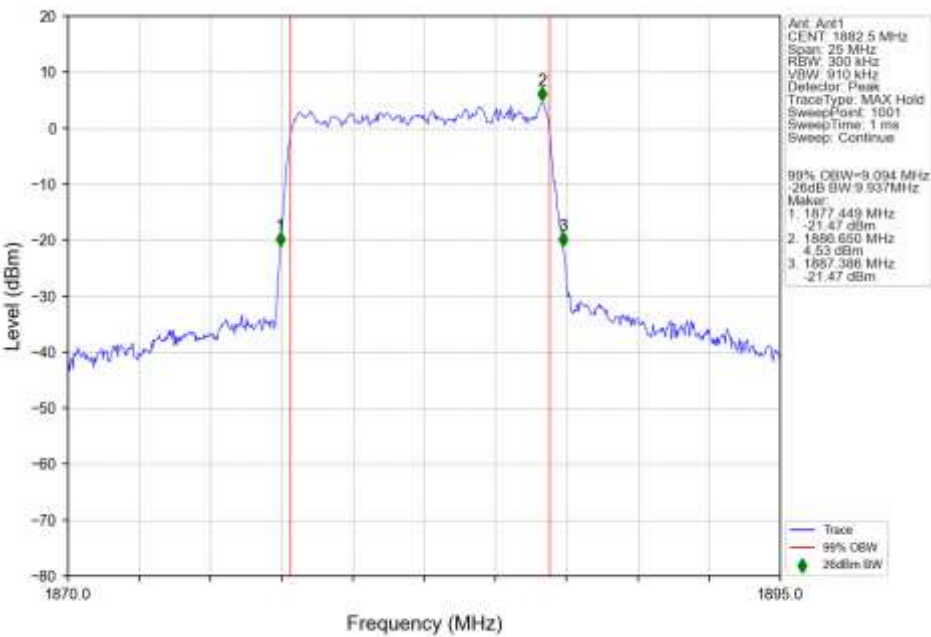
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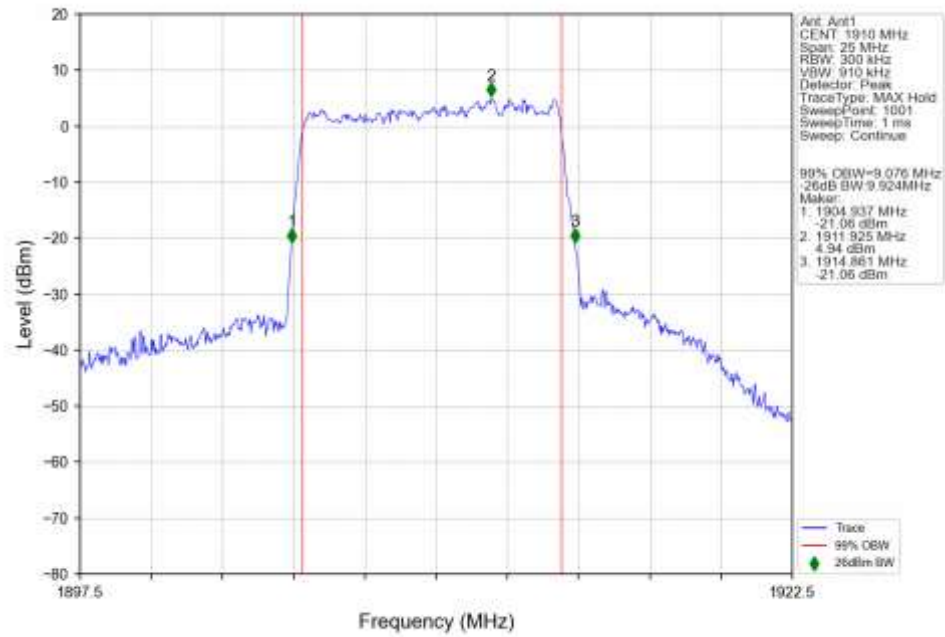
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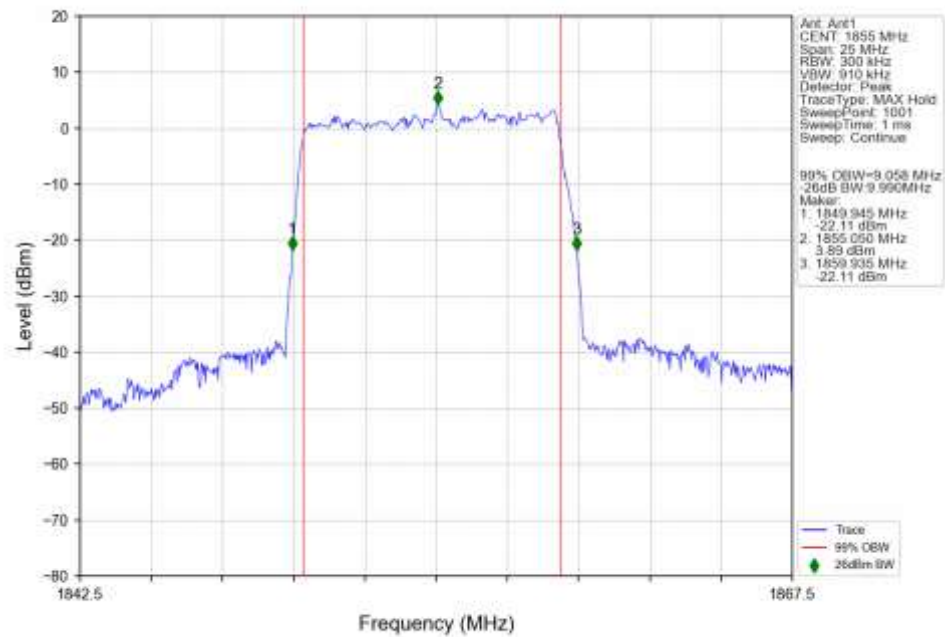
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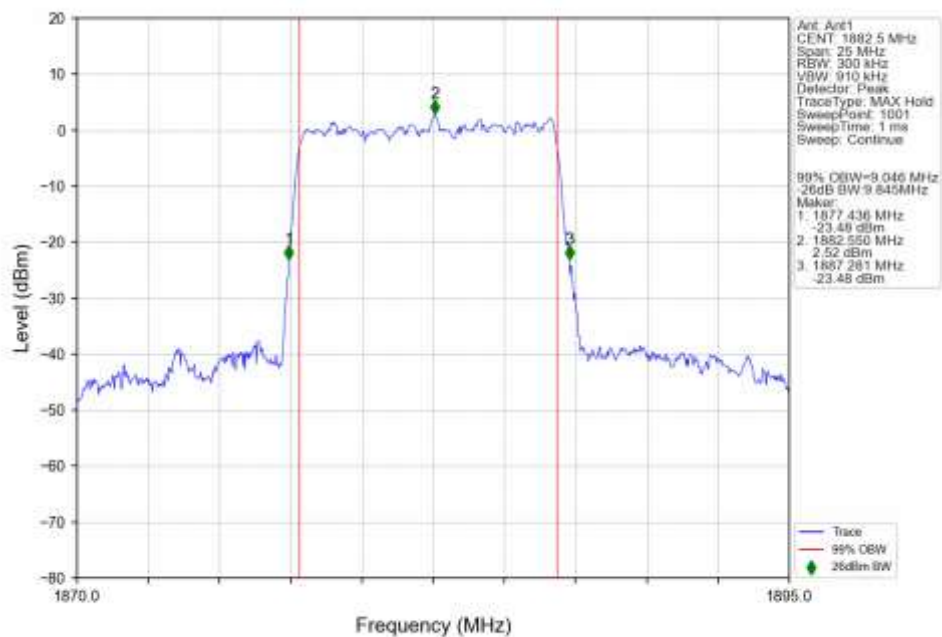
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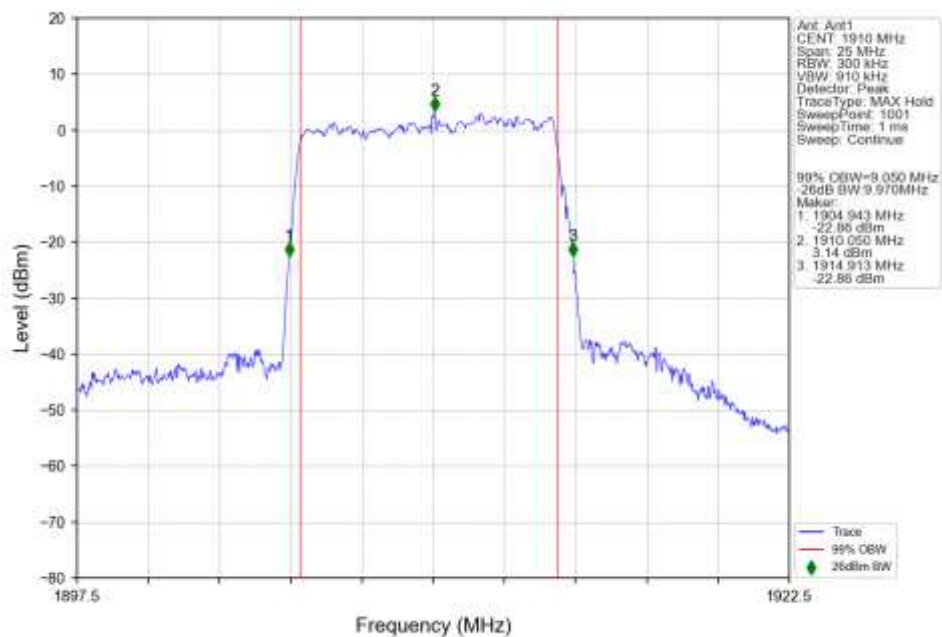
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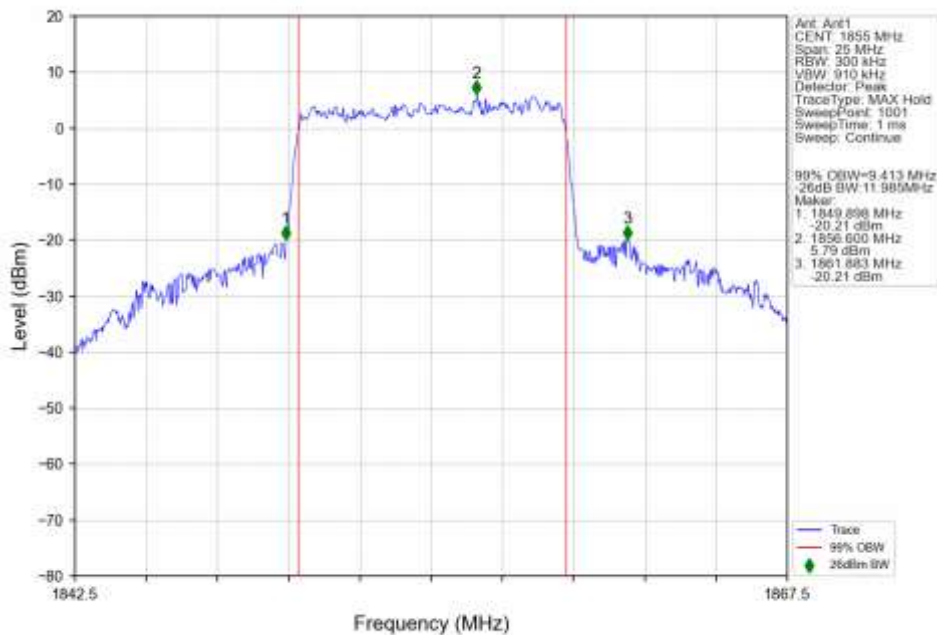
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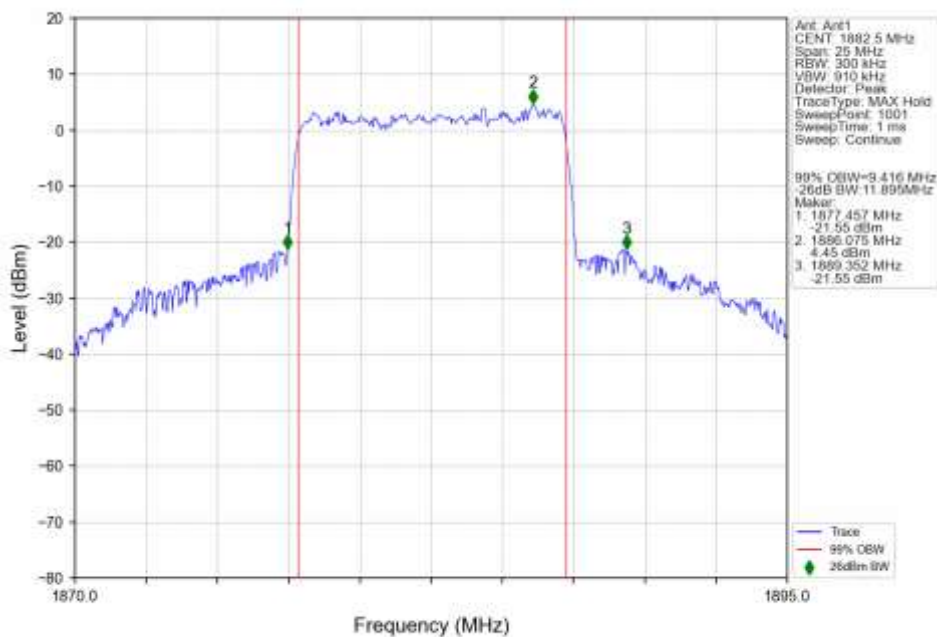
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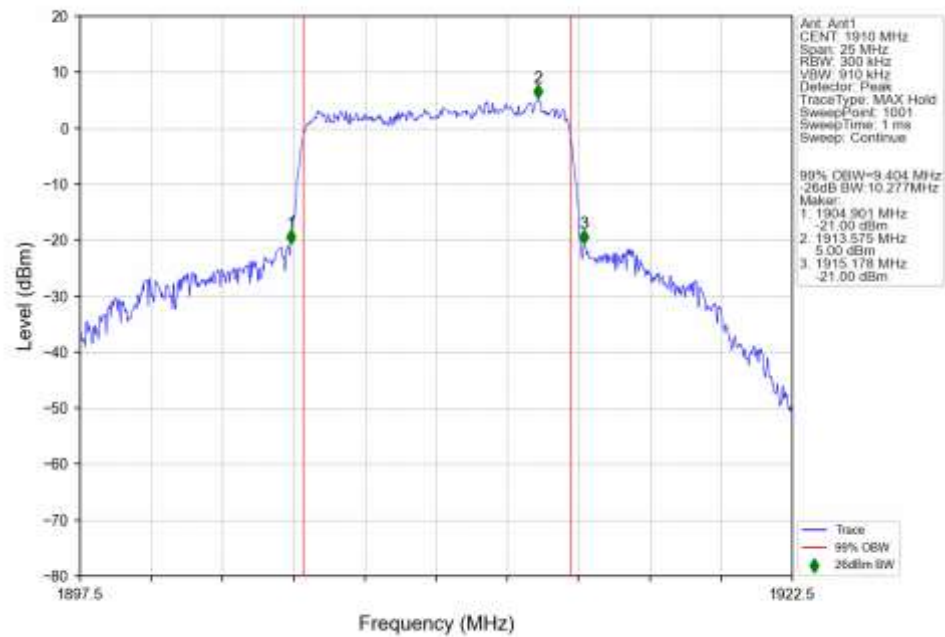
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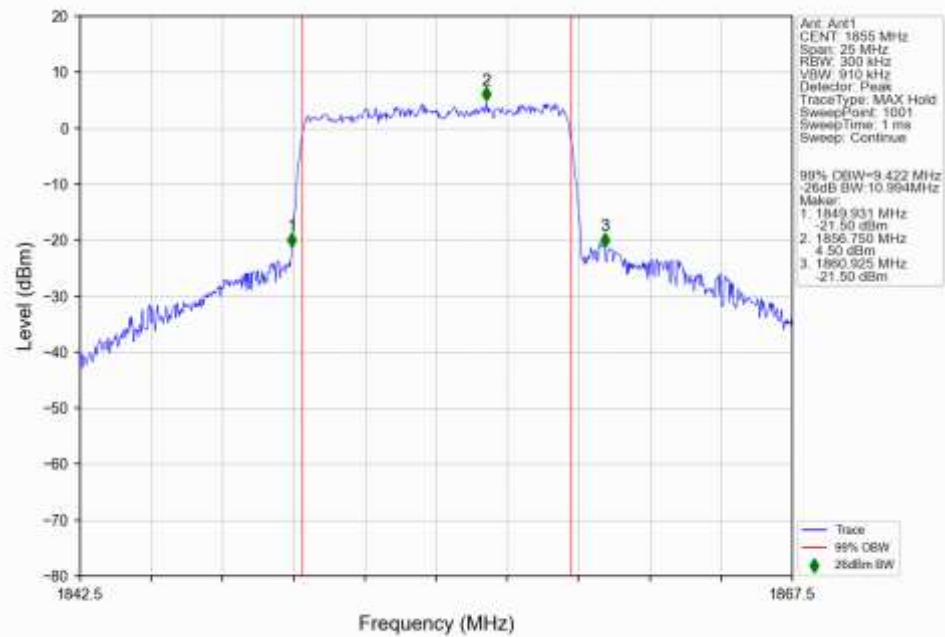
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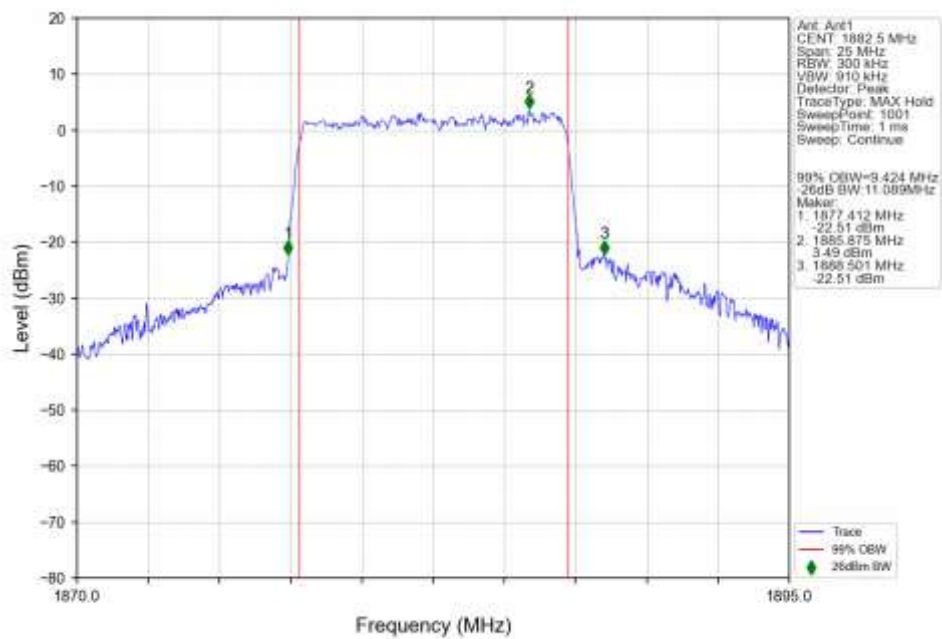
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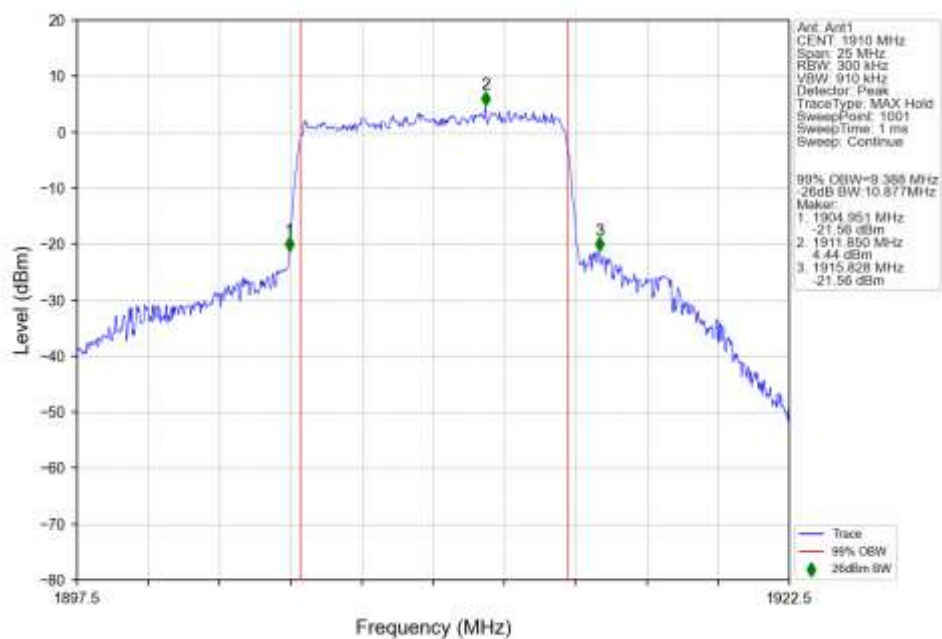
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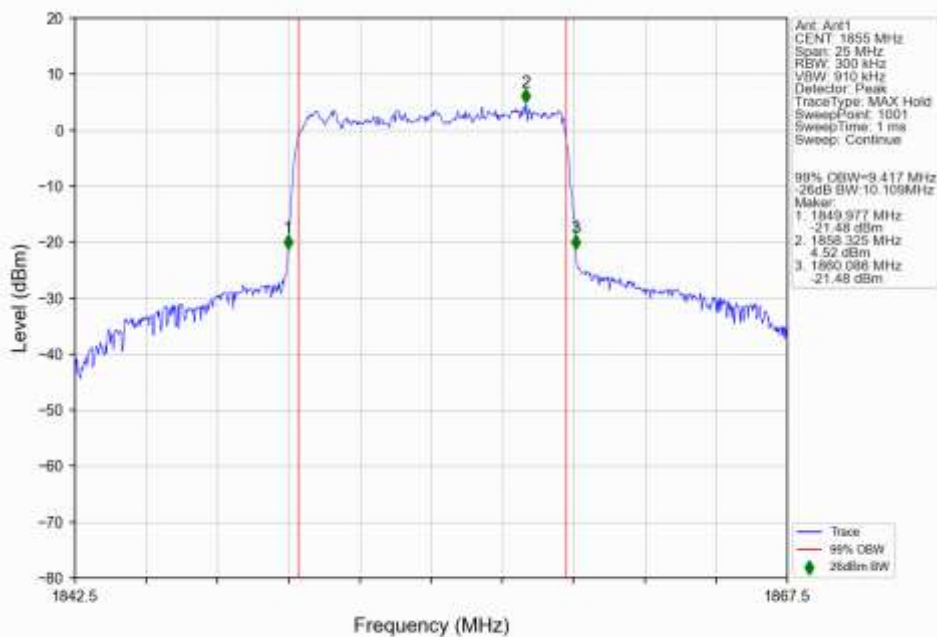
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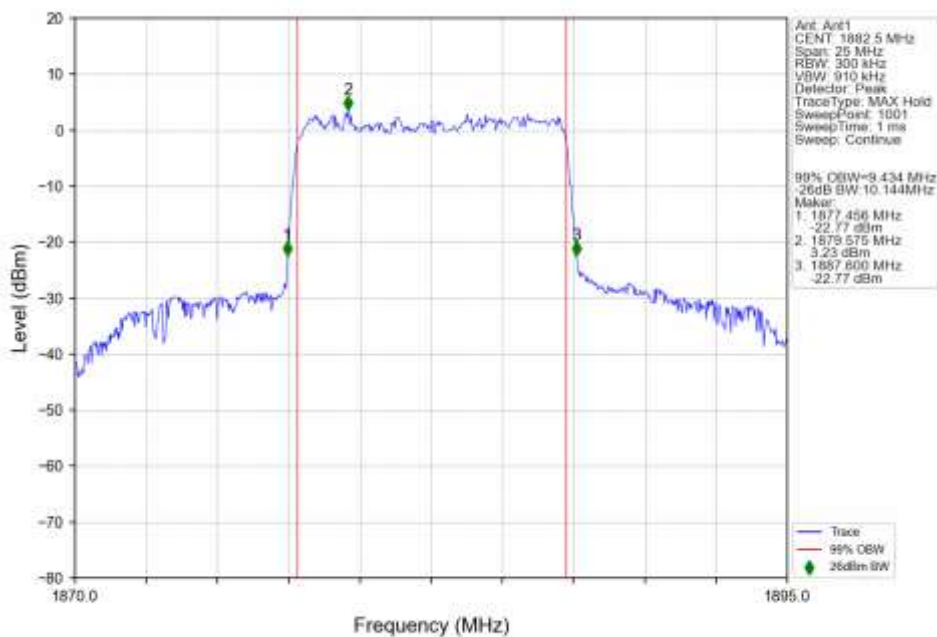
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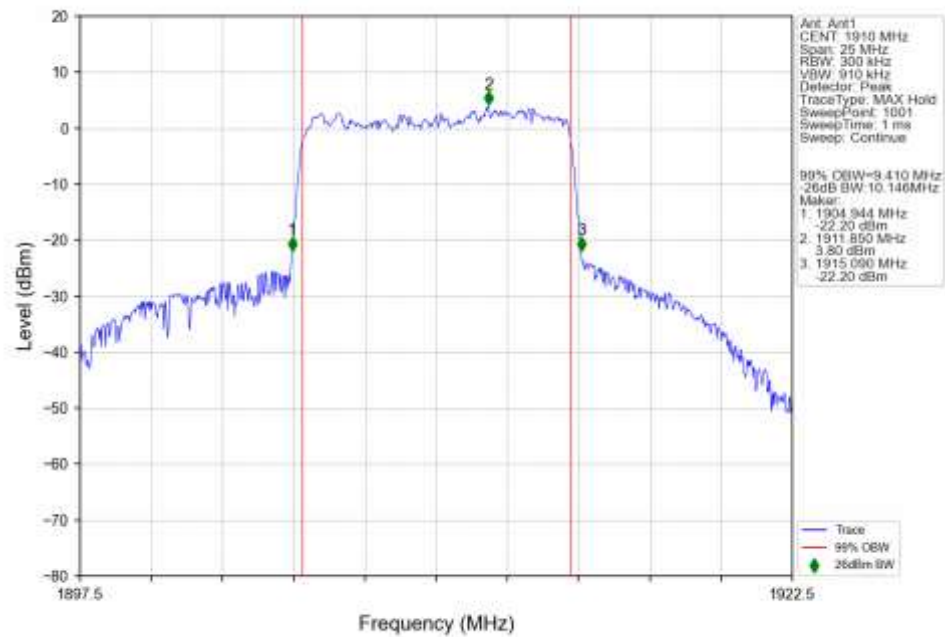
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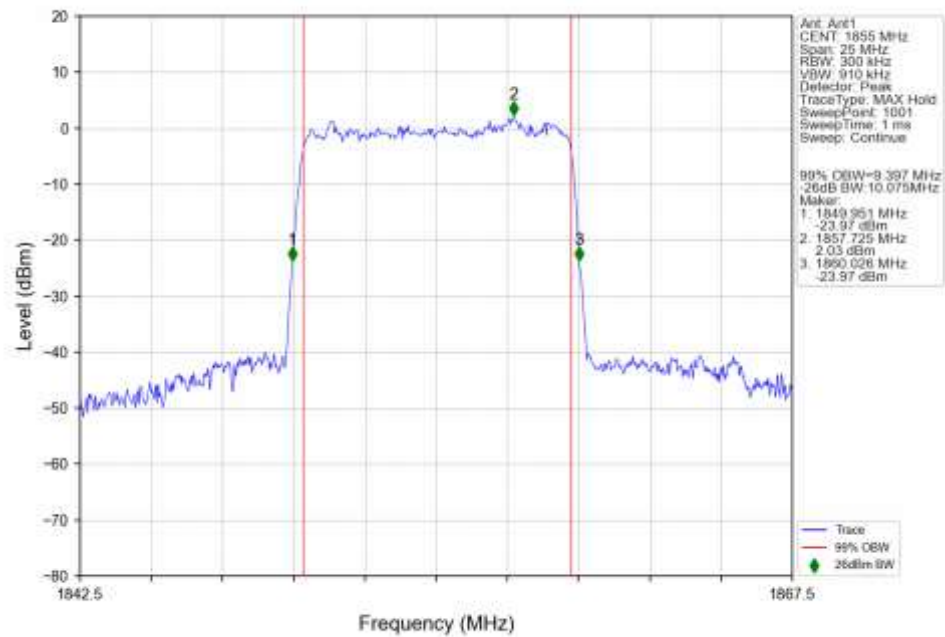
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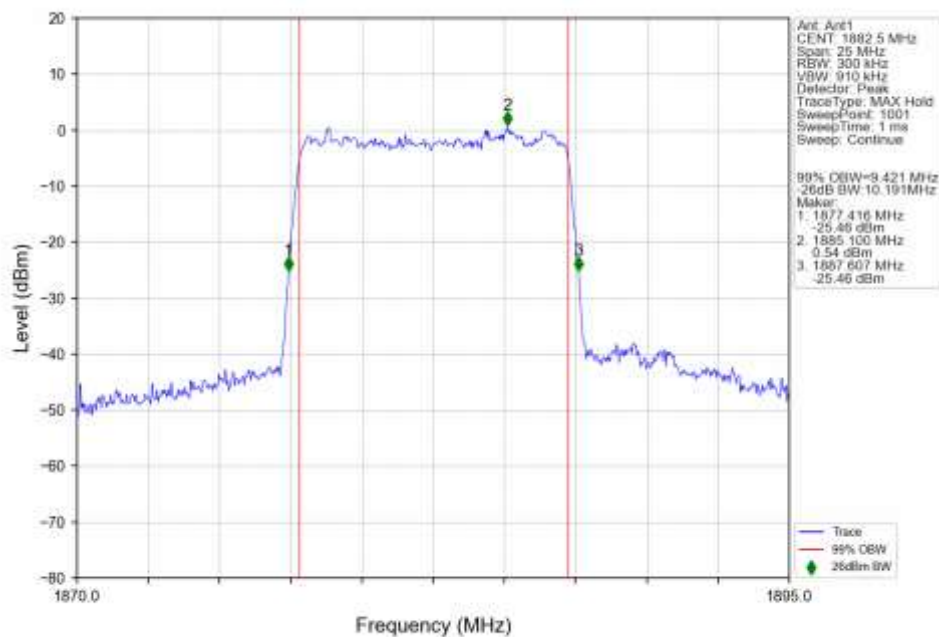
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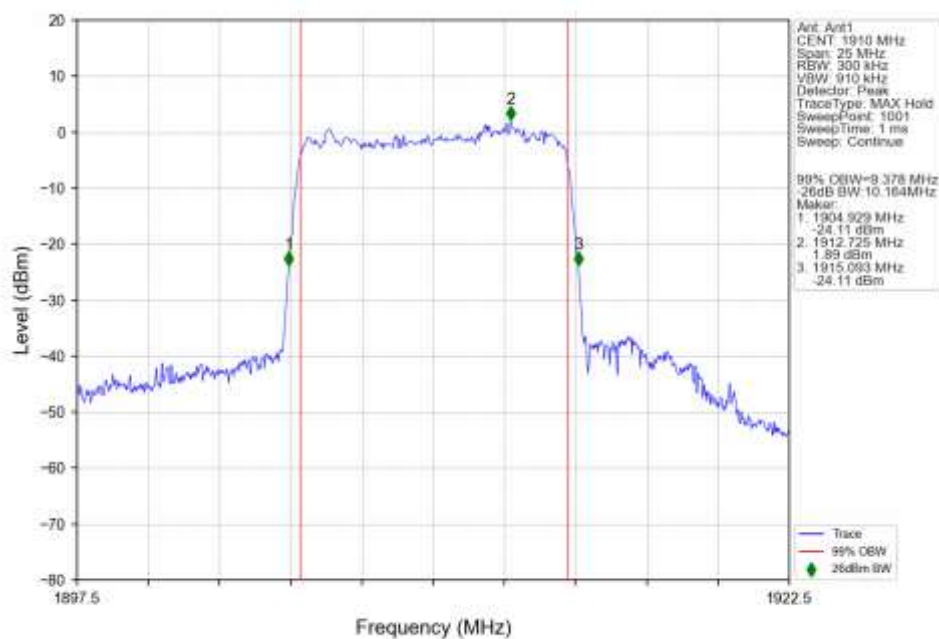
n25\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_1855MHz\_Outer\_Full\_Ant1



n25\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_1882.5MHz\_Outer\_Full\_Ant1

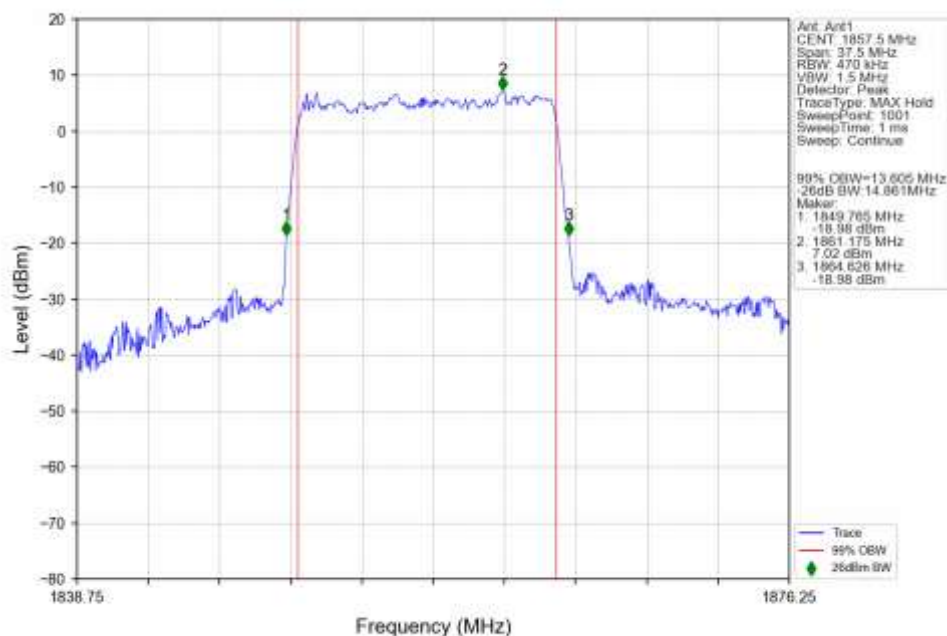


n25\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_1910MHz\_Outer\_Full\_Ant1

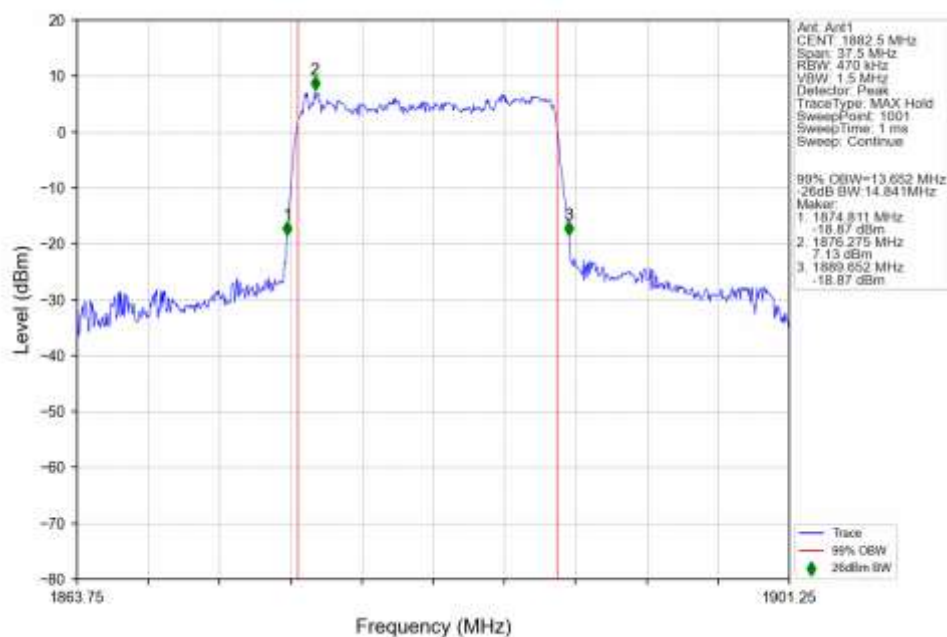


### 4.2.3 15k\_SISO\_15MHz\_NTNV

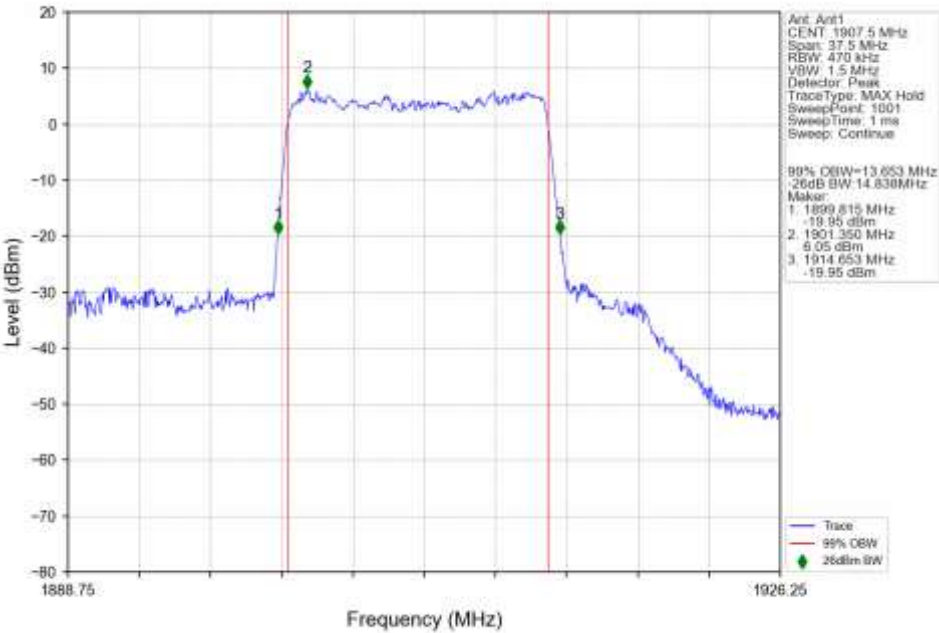
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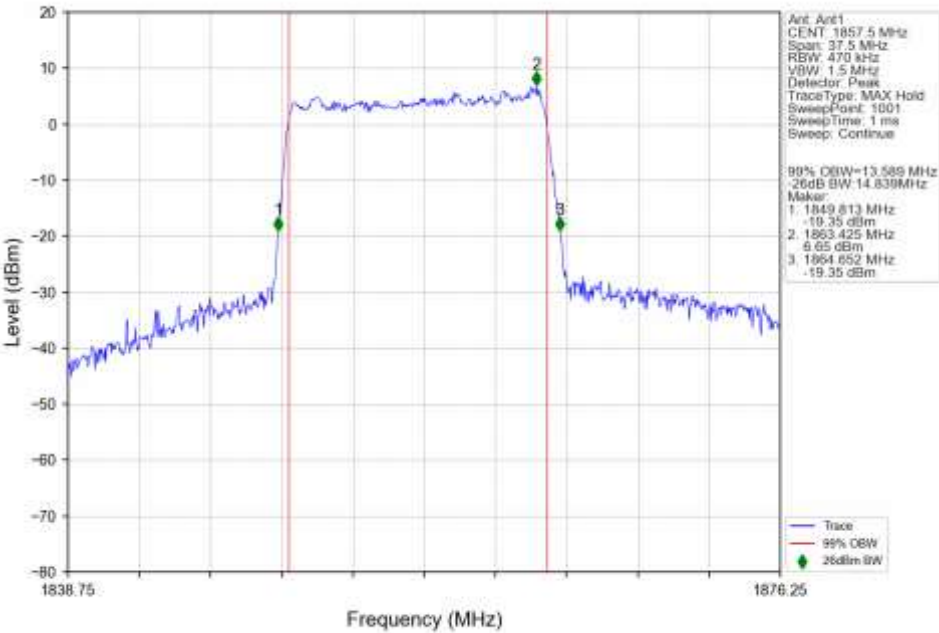
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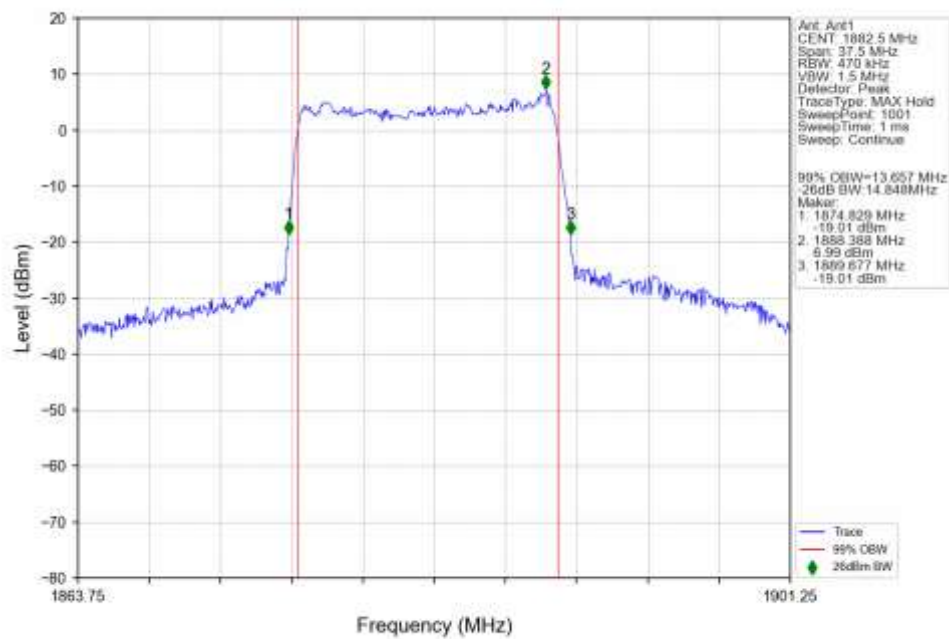
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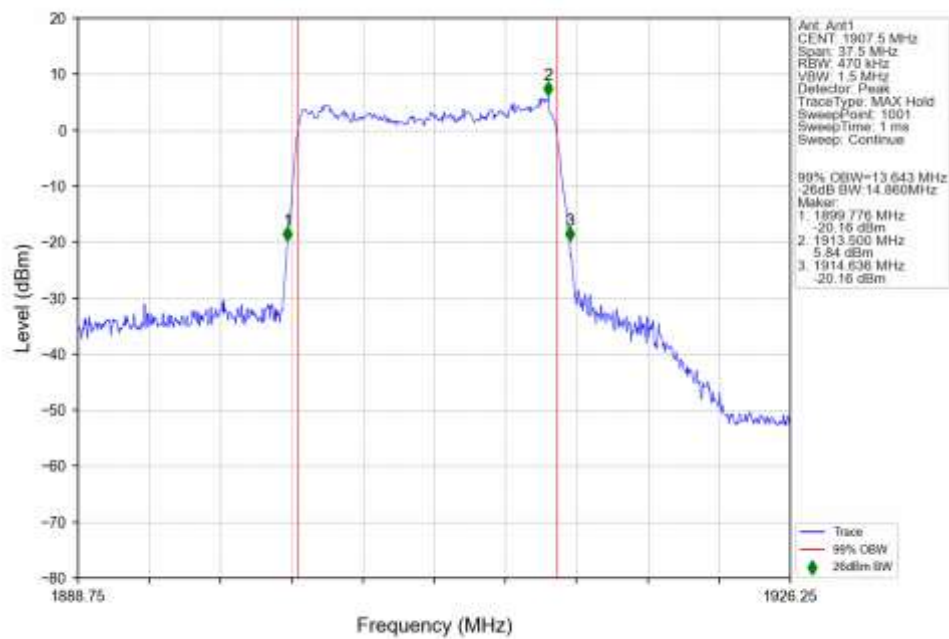
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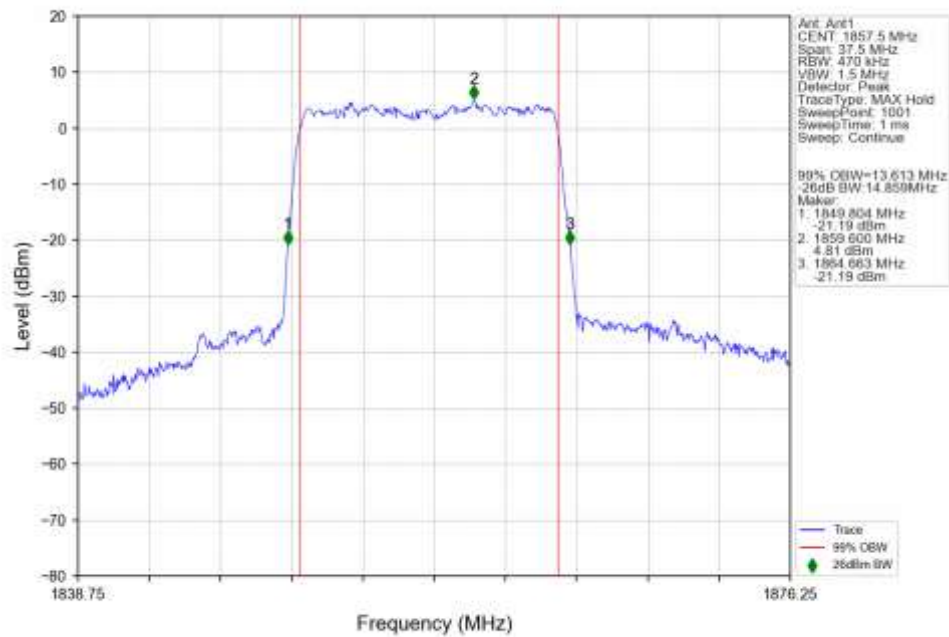
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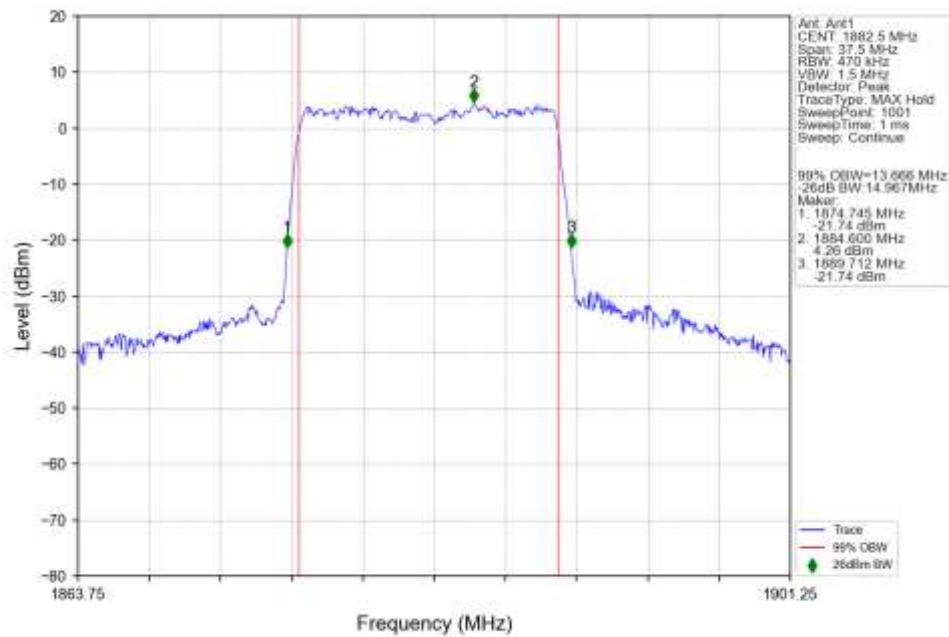
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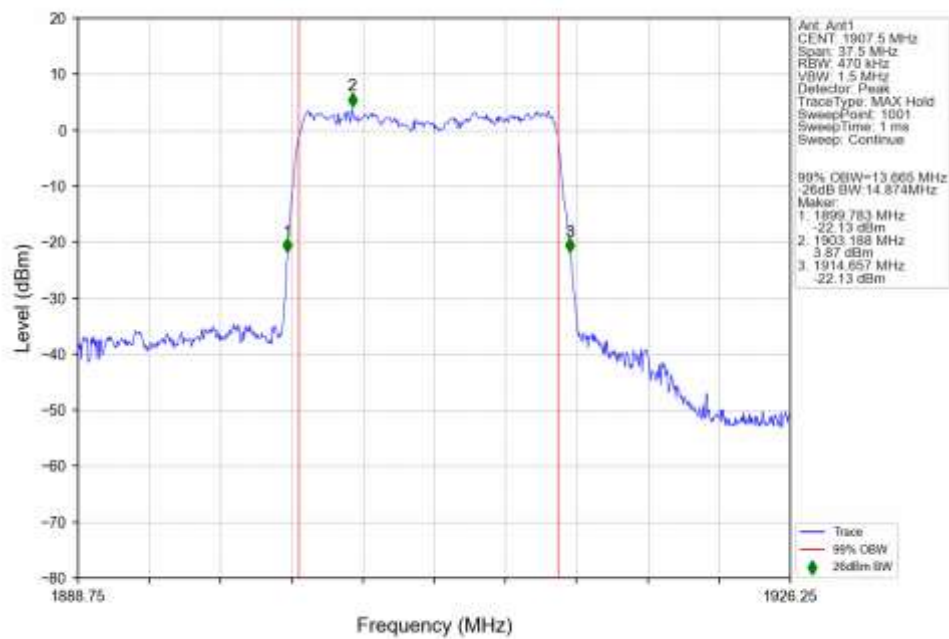
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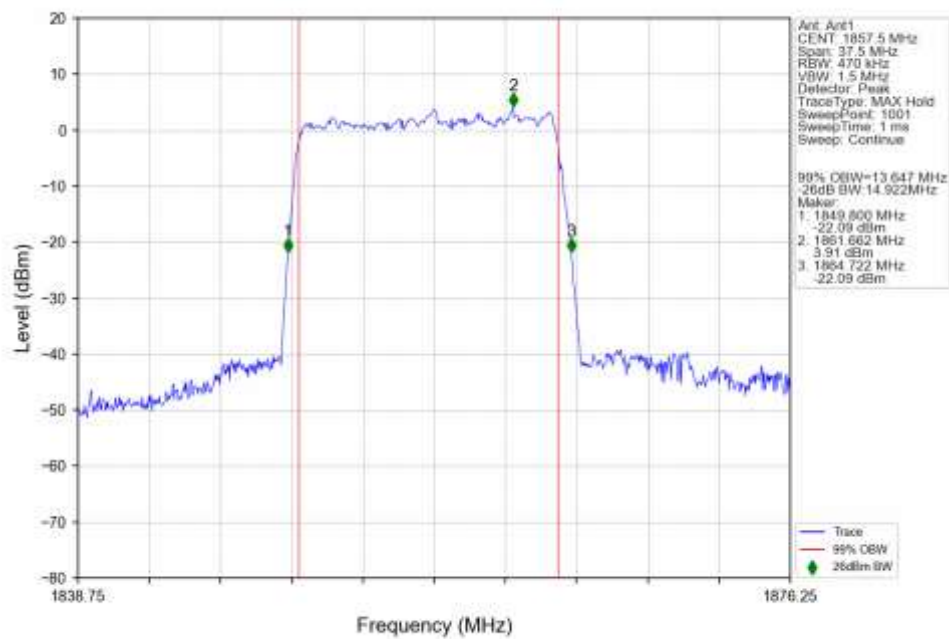
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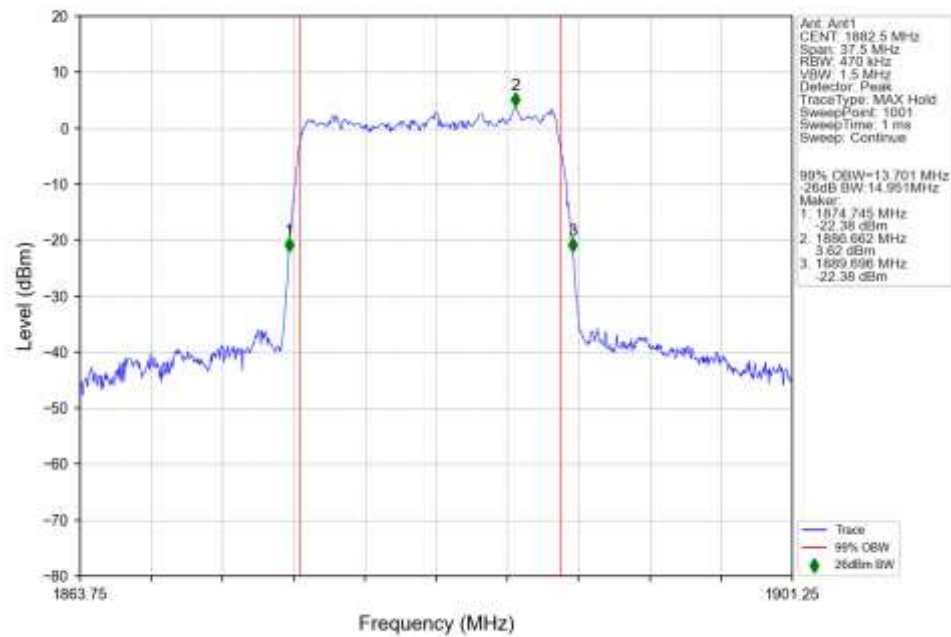
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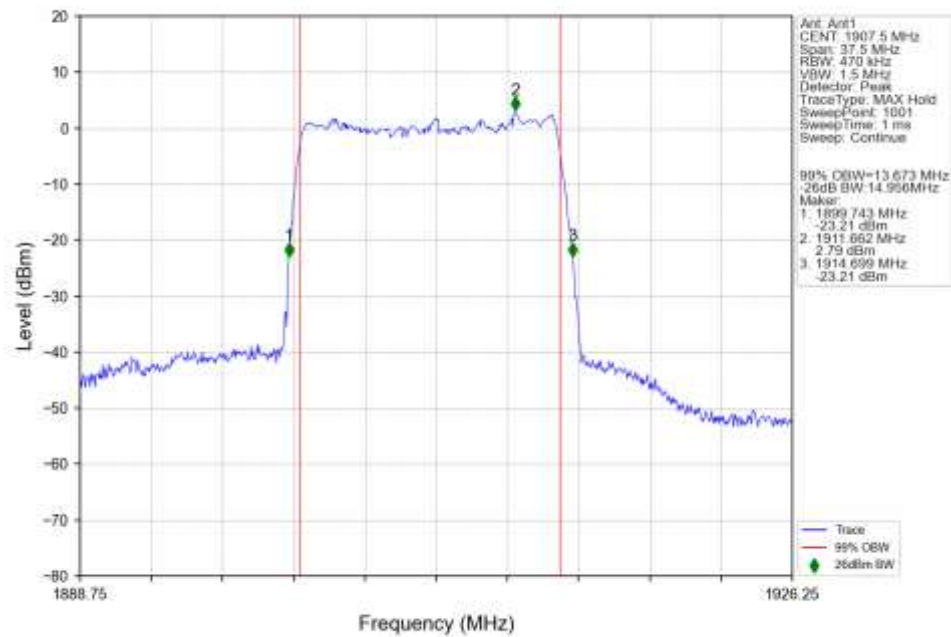
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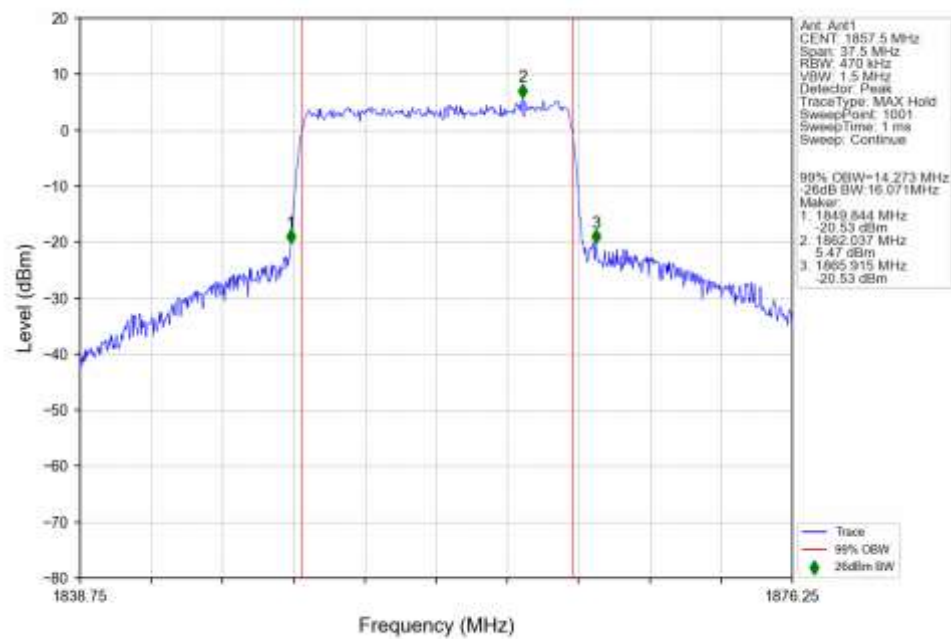
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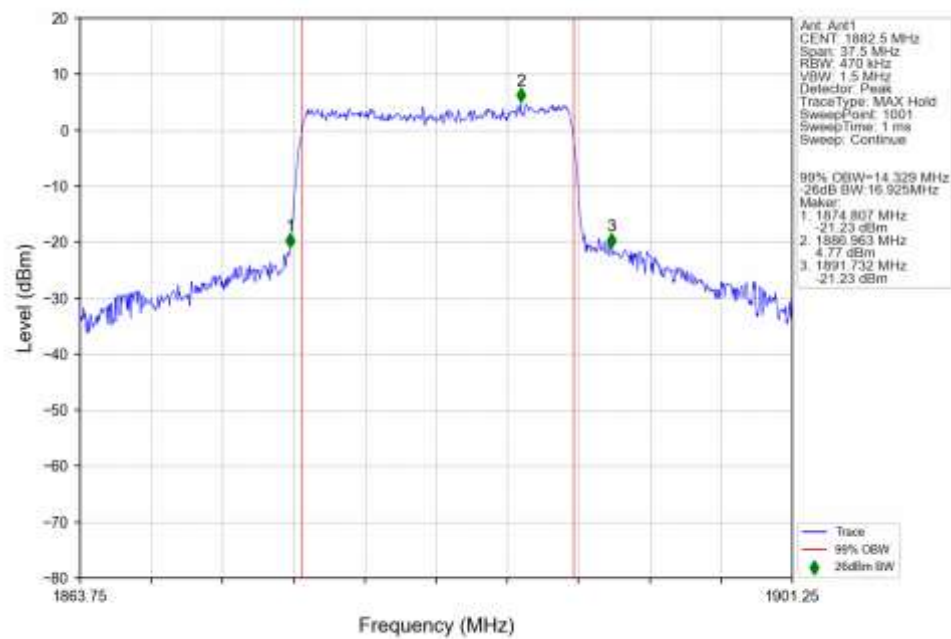
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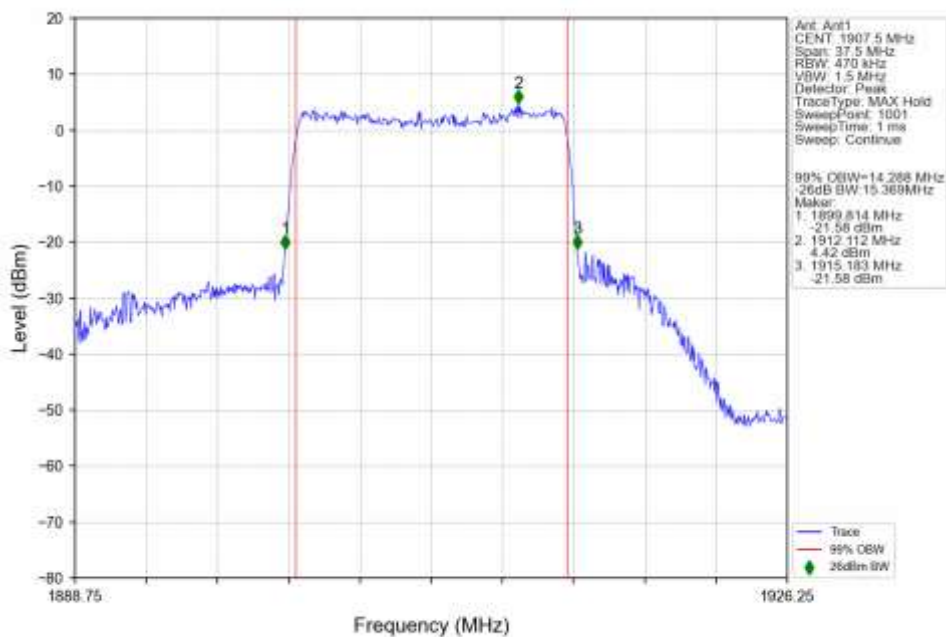
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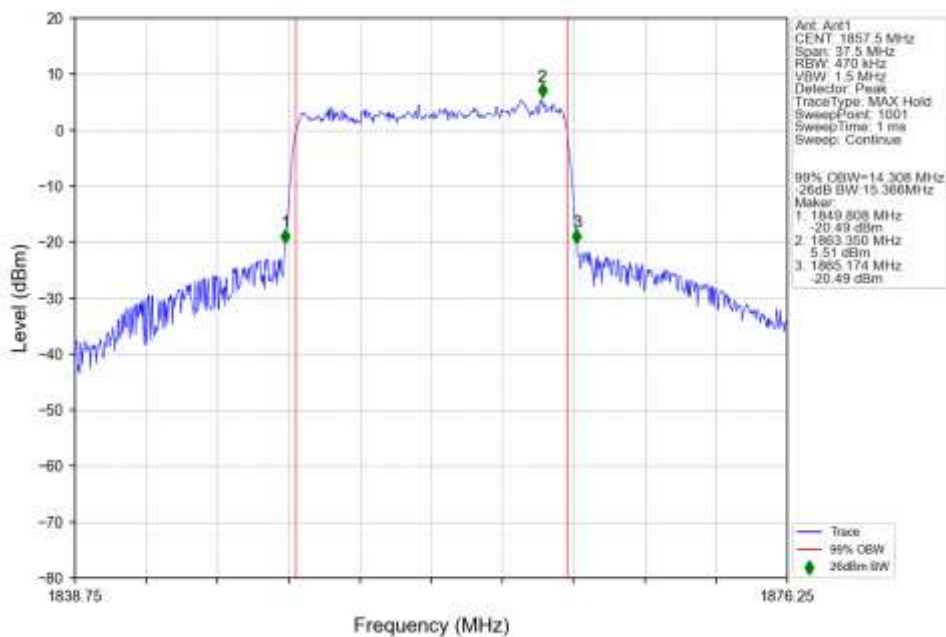
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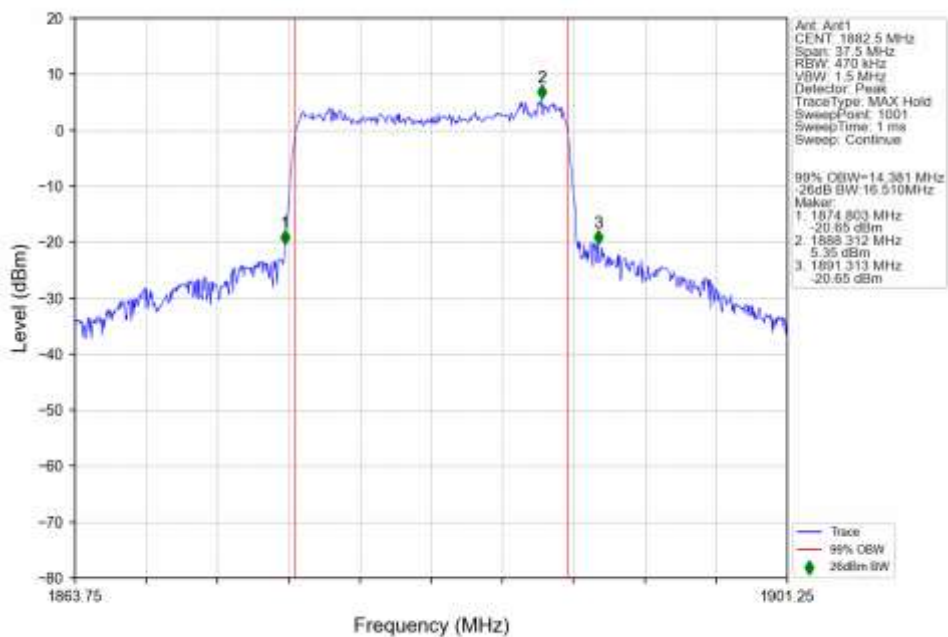
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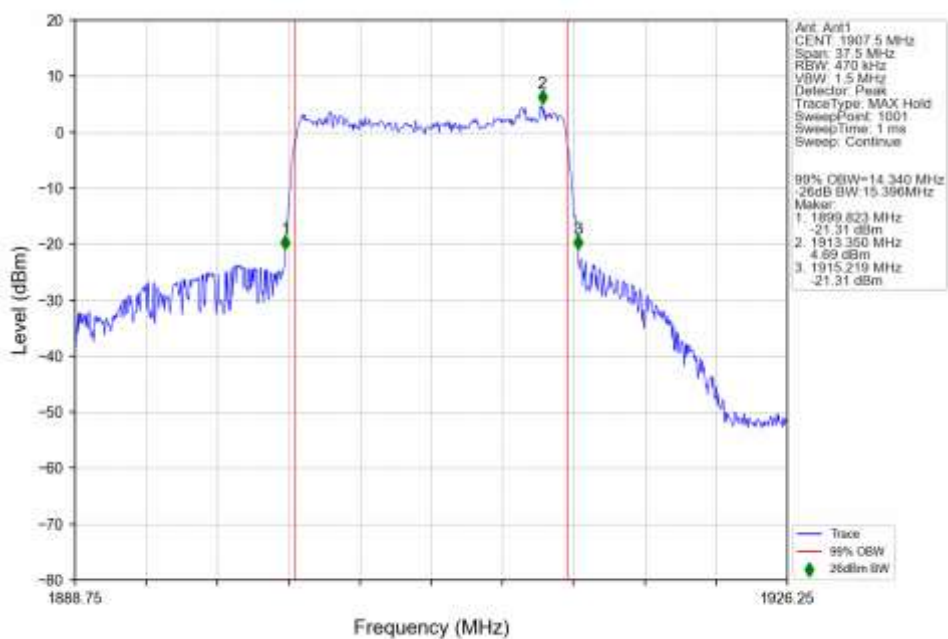
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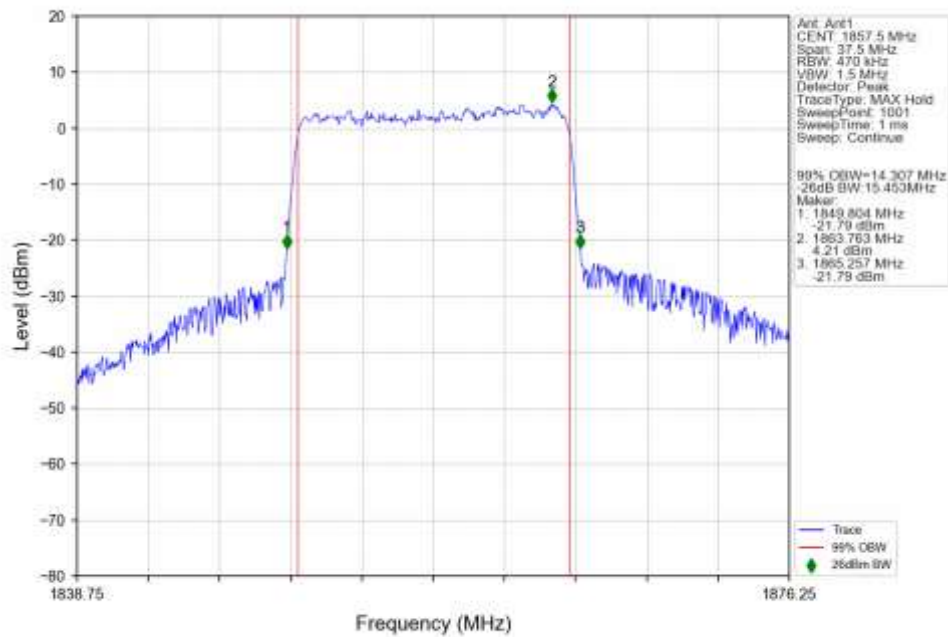
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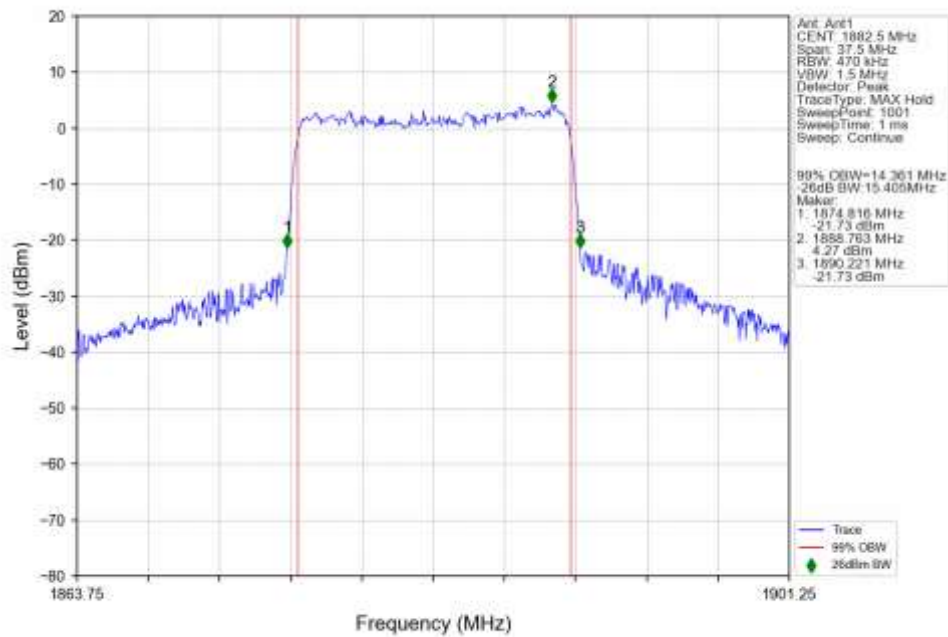
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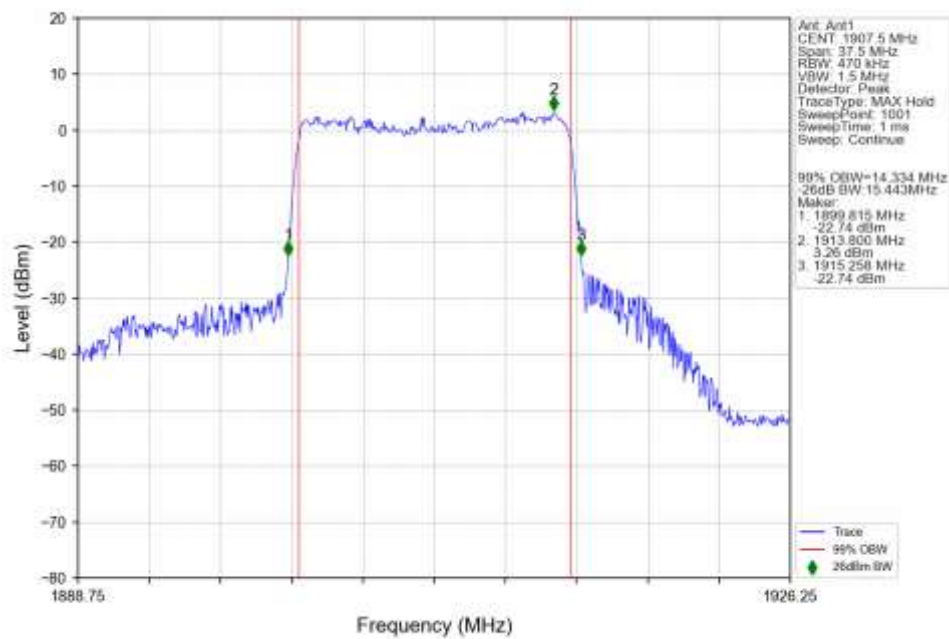
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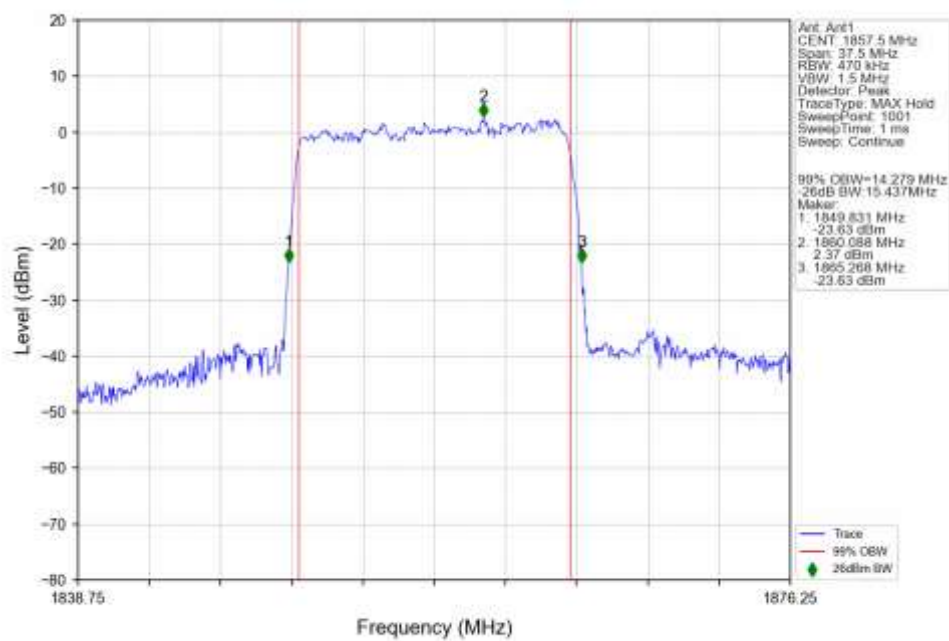
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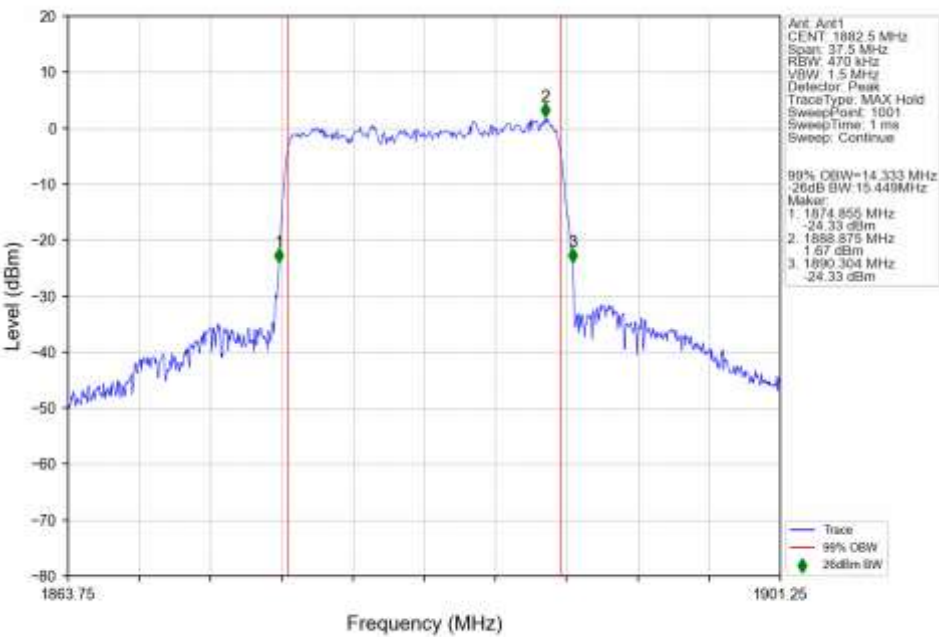
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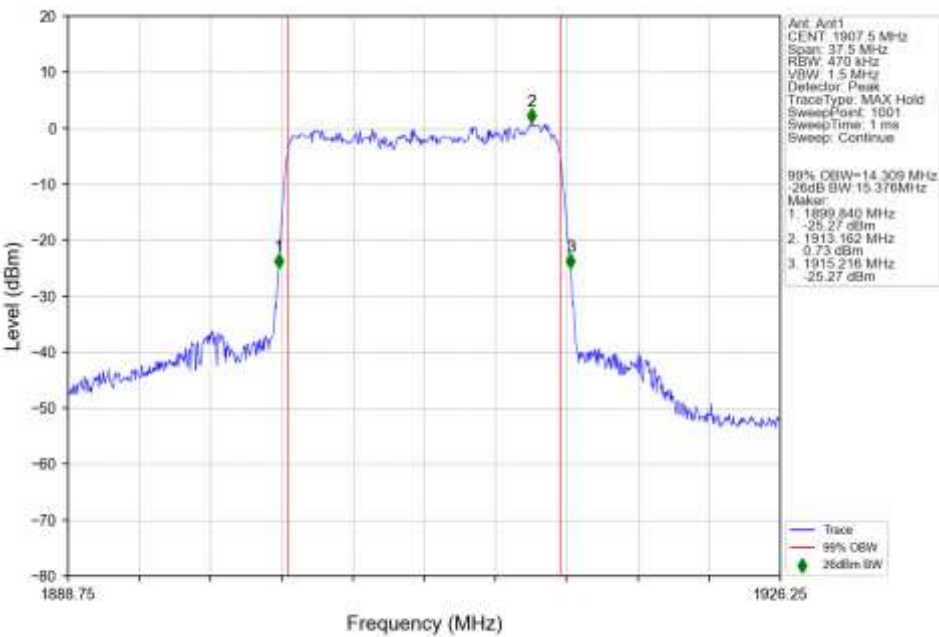
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n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_256\_QAM\_1882.5MHz\_Outer\_Full\_Ant1

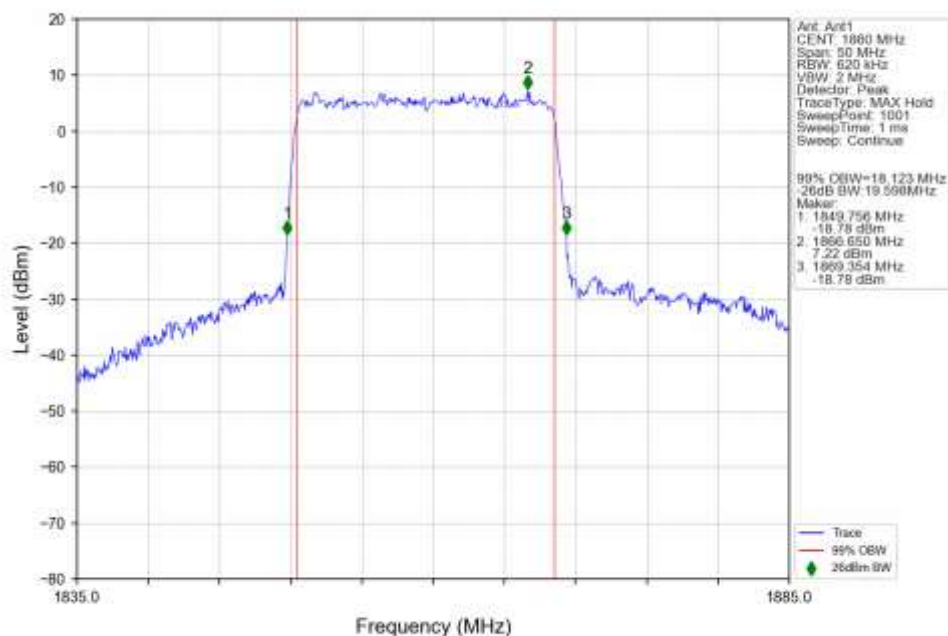


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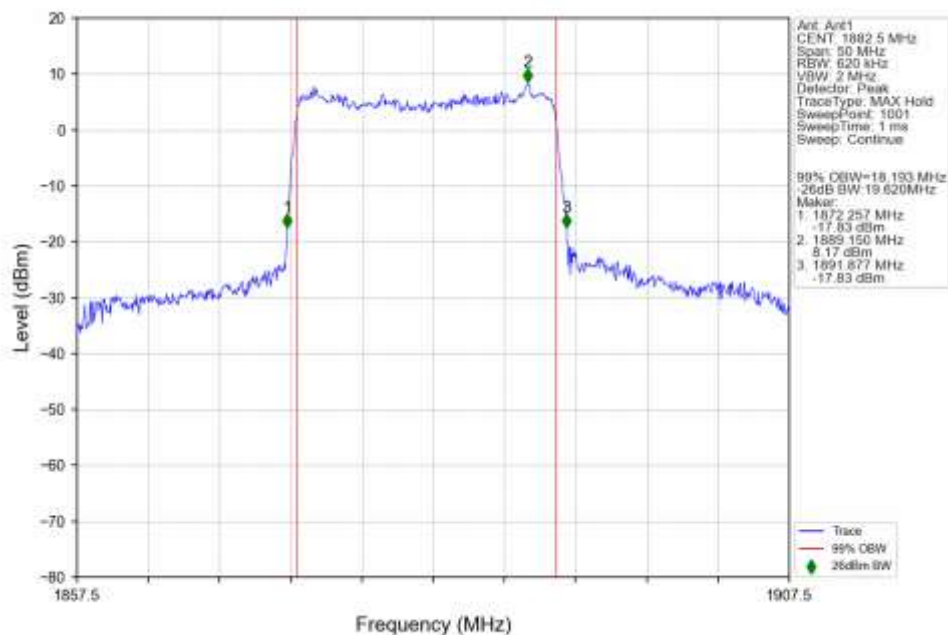


#### 4.2.4 15k\_SISO\_20MHz\_NTNV

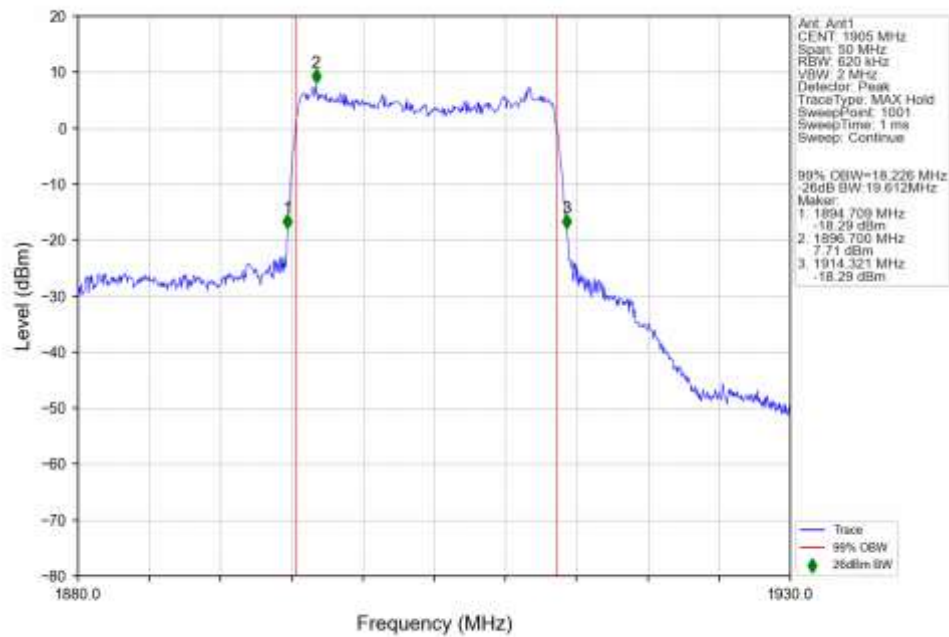
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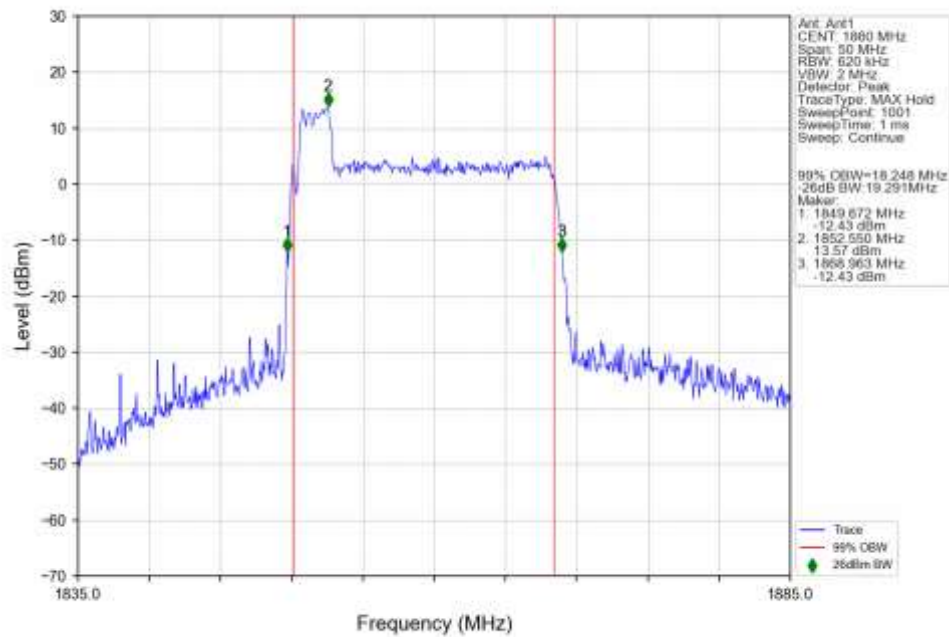
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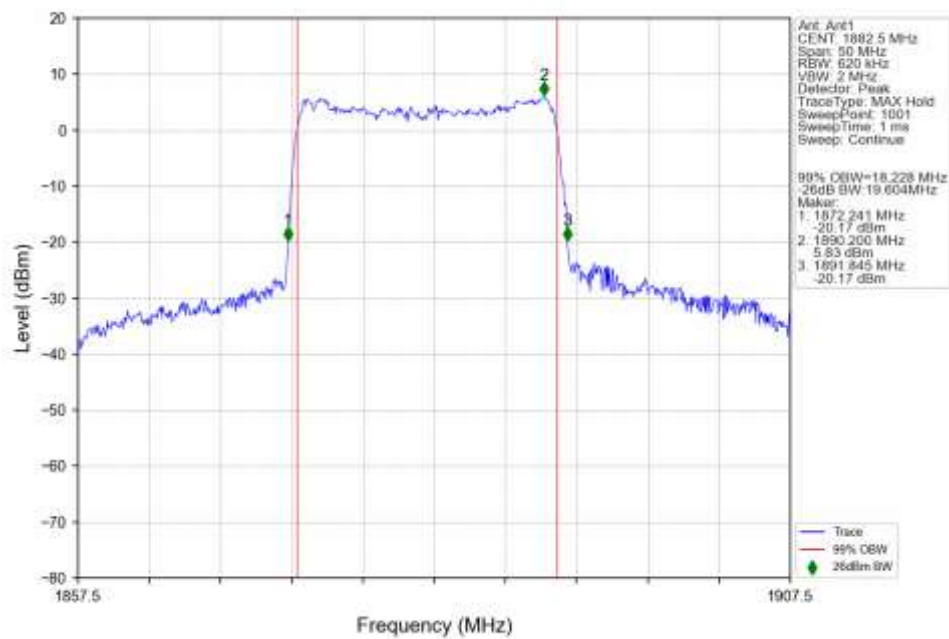
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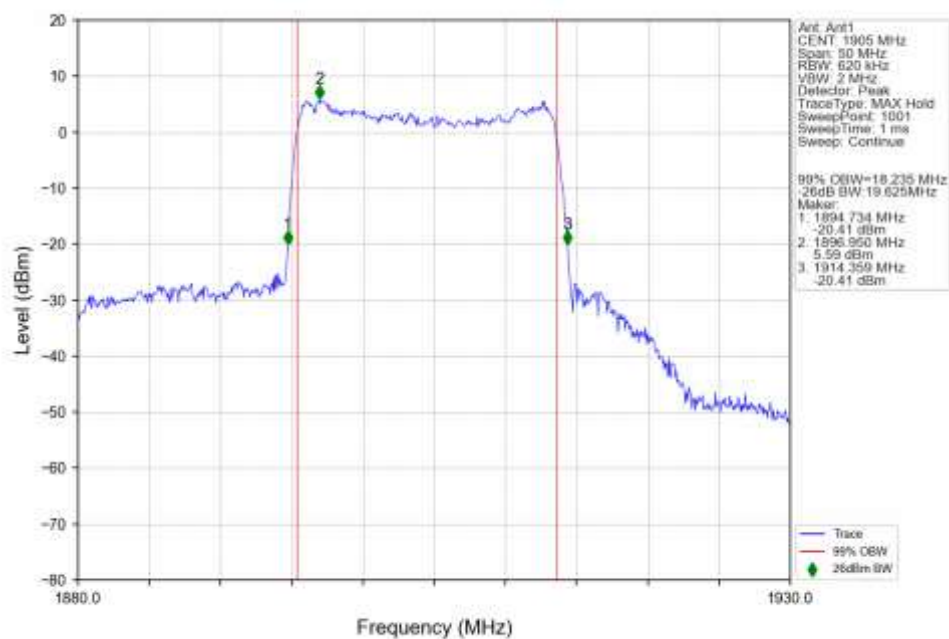
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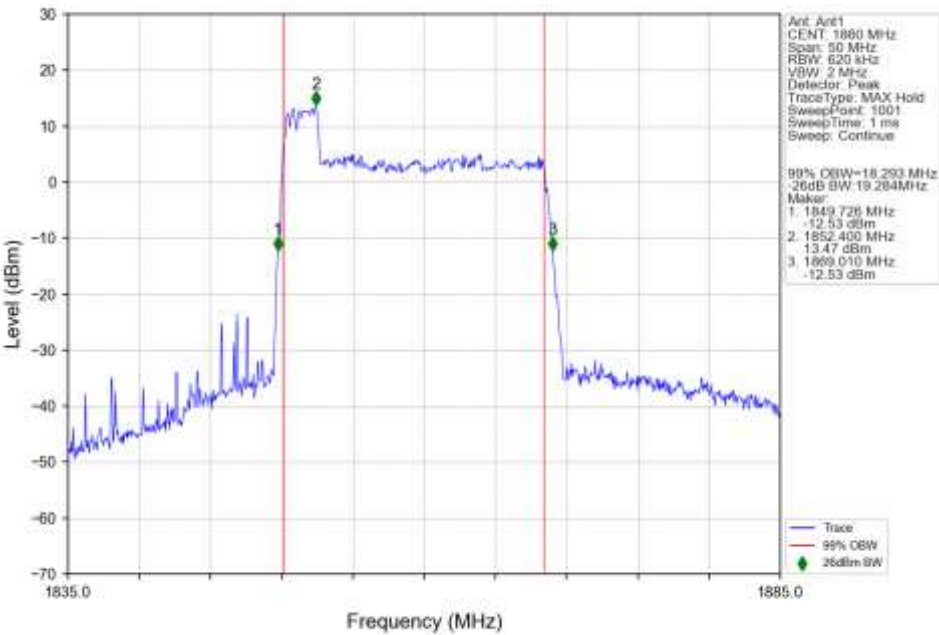
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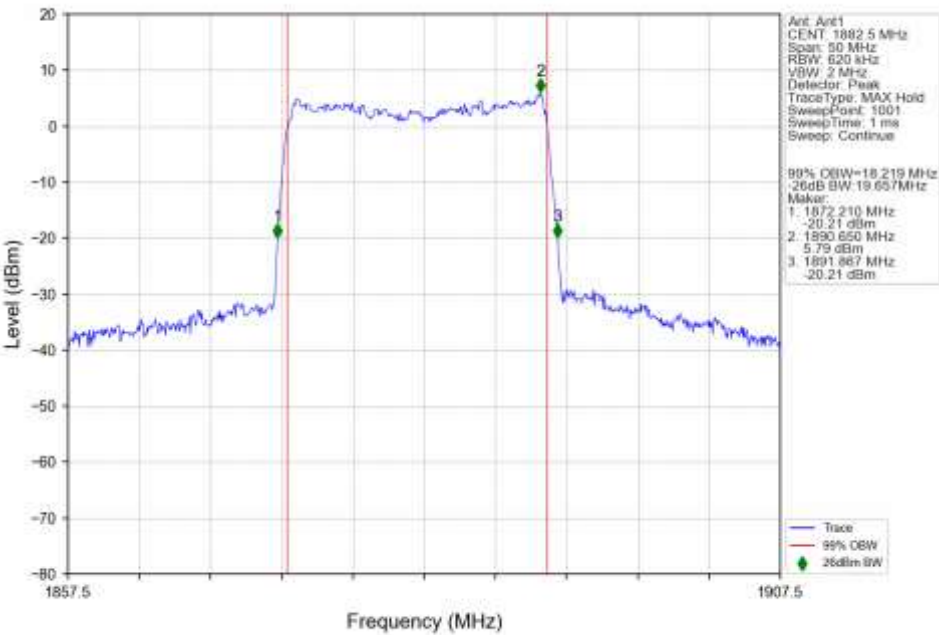
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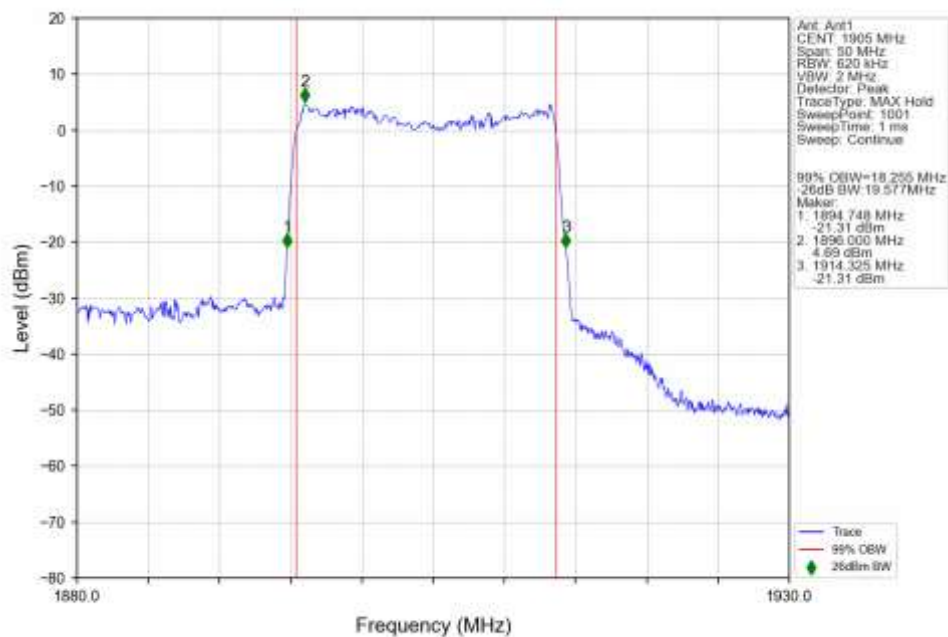
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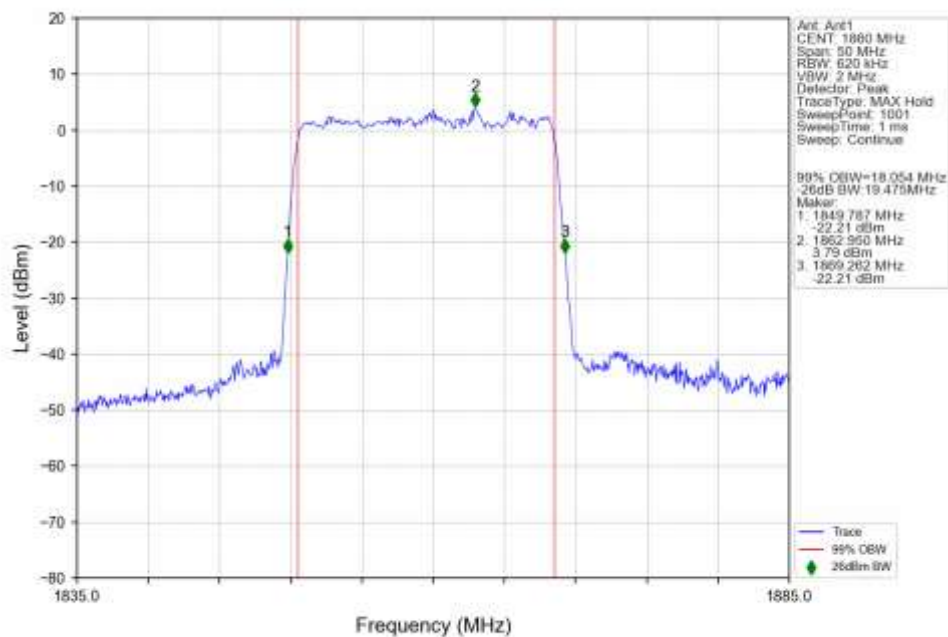
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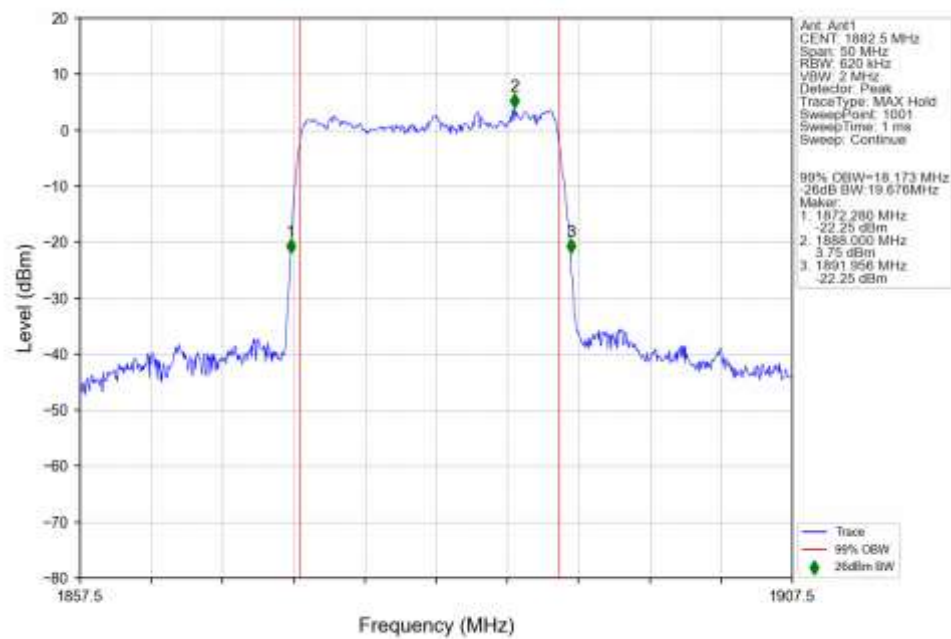
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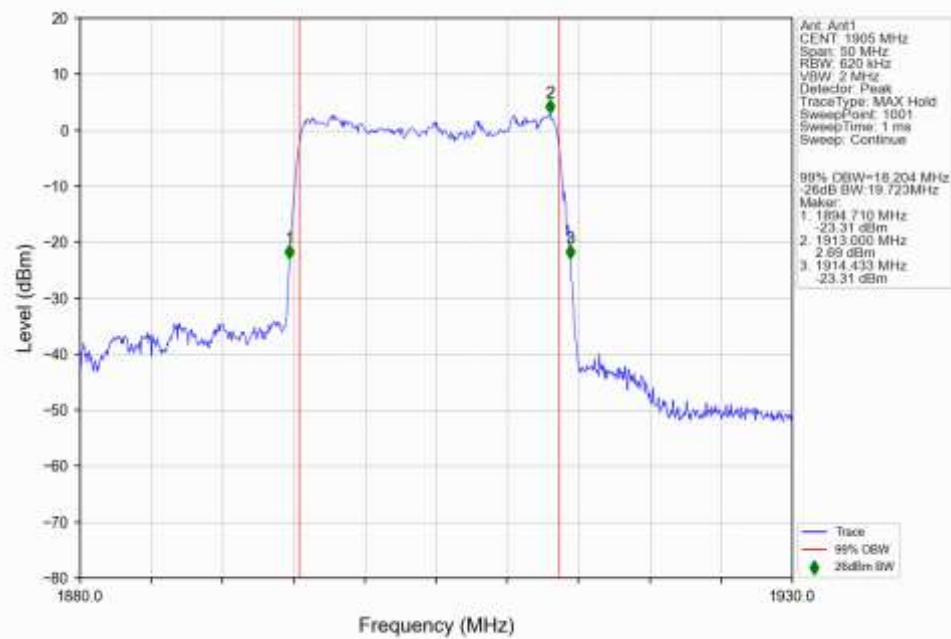
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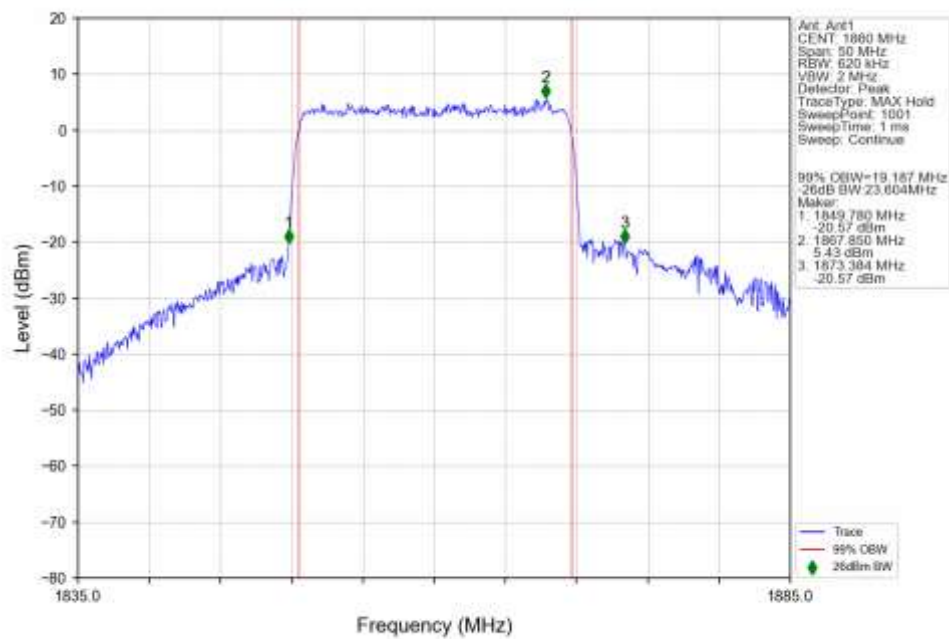
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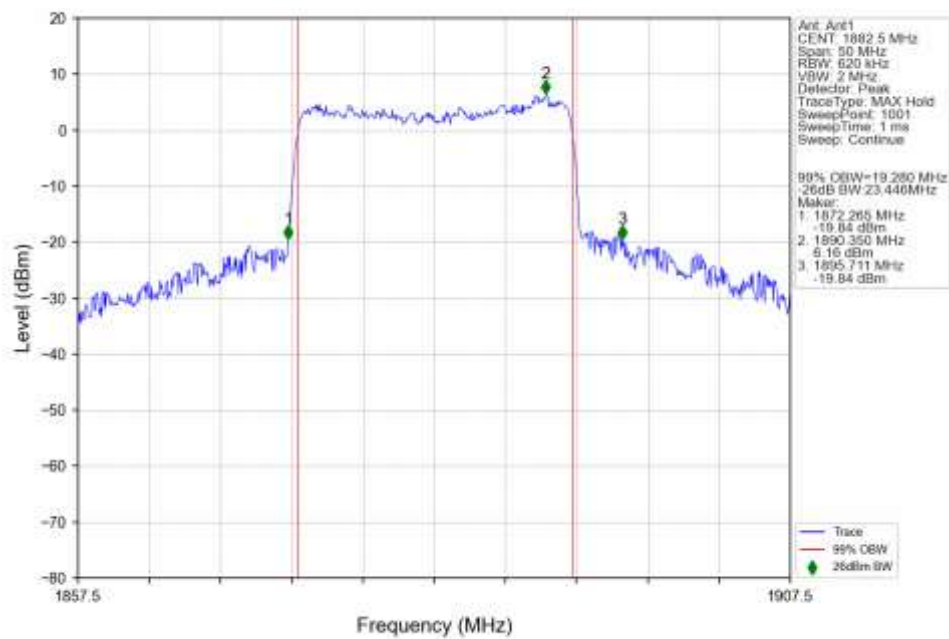
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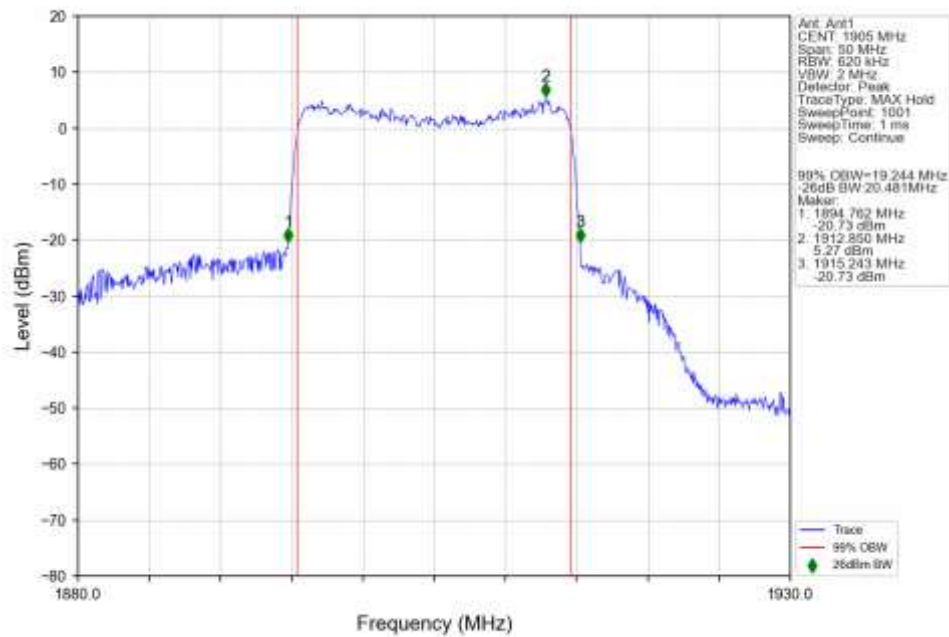
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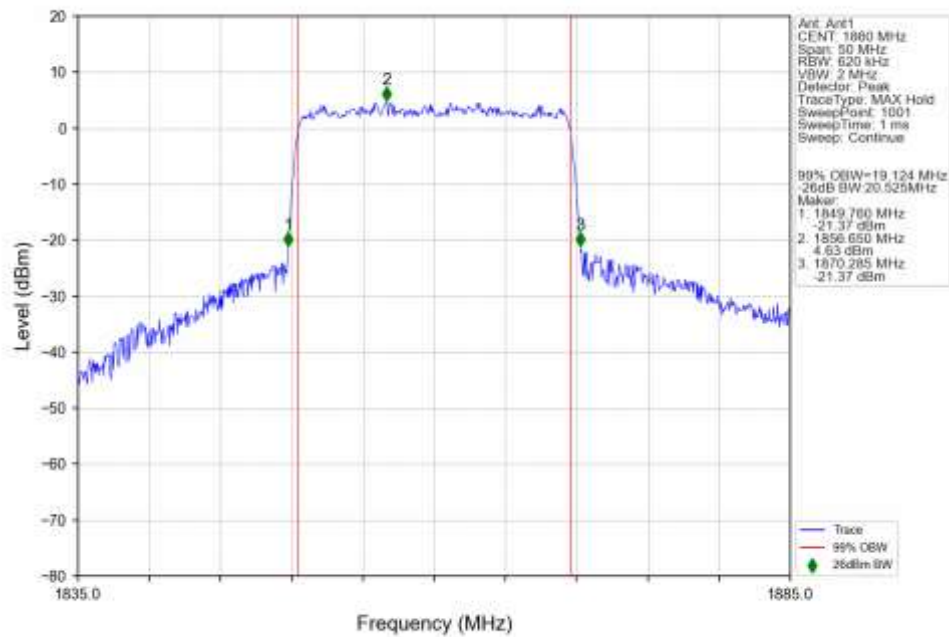
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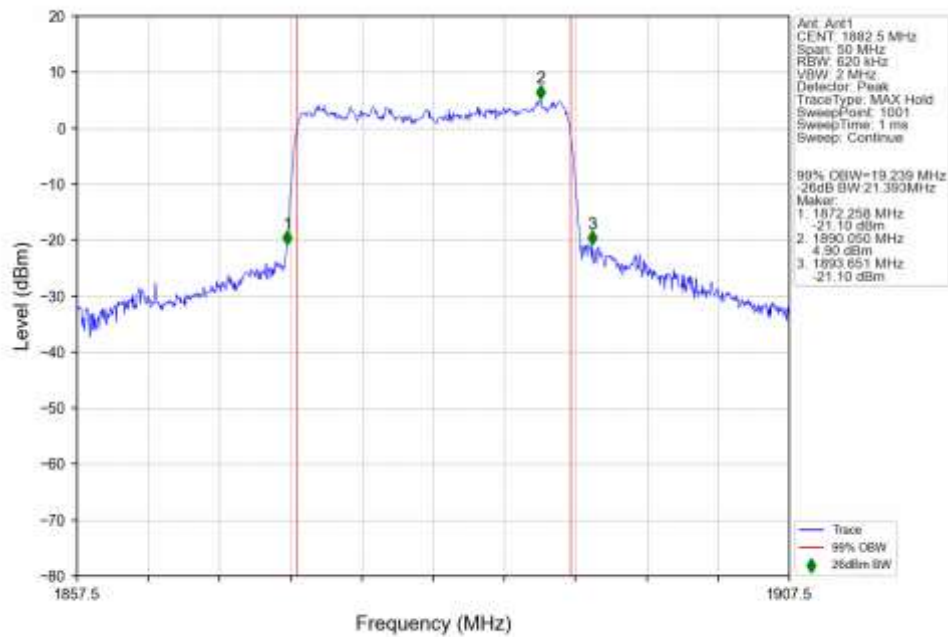
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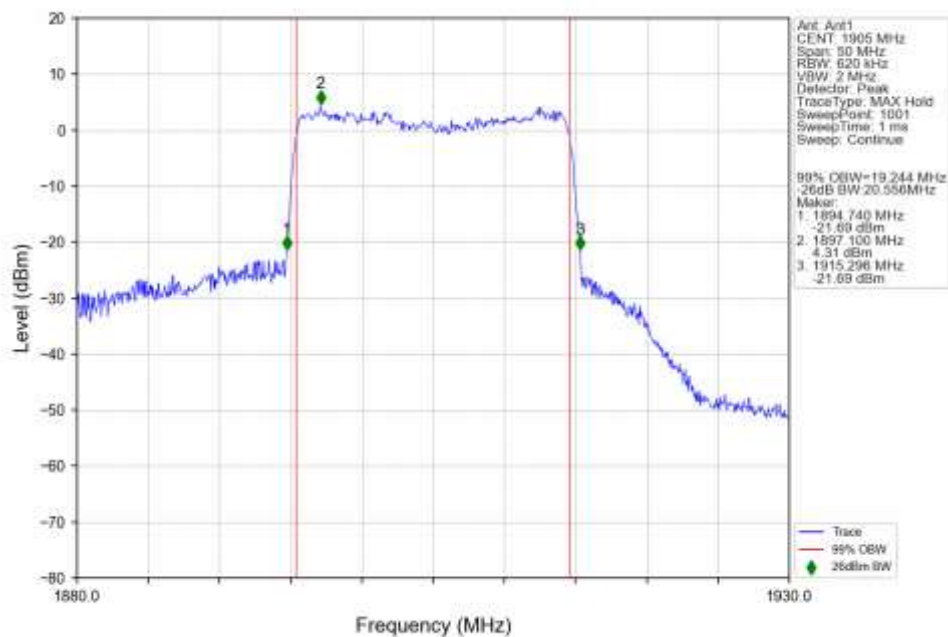
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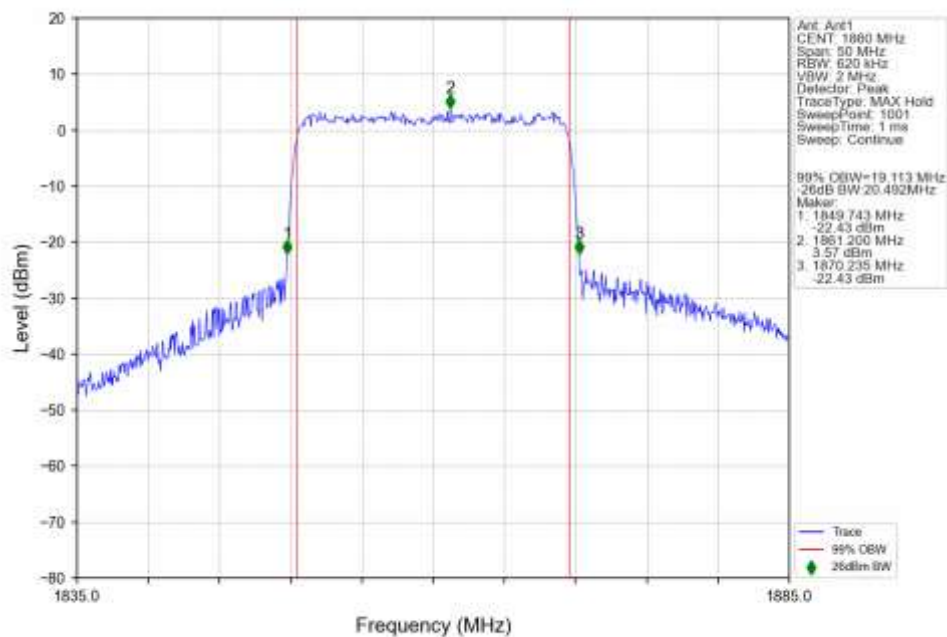
n25\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_16\_QAM\_1882.5MHz\_Outer\_Full\_Ant1



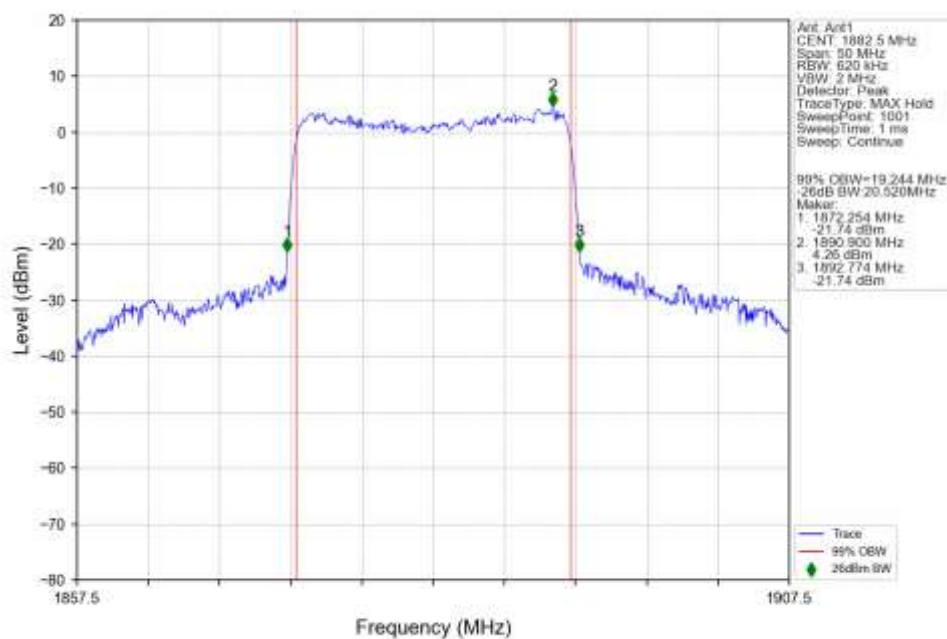
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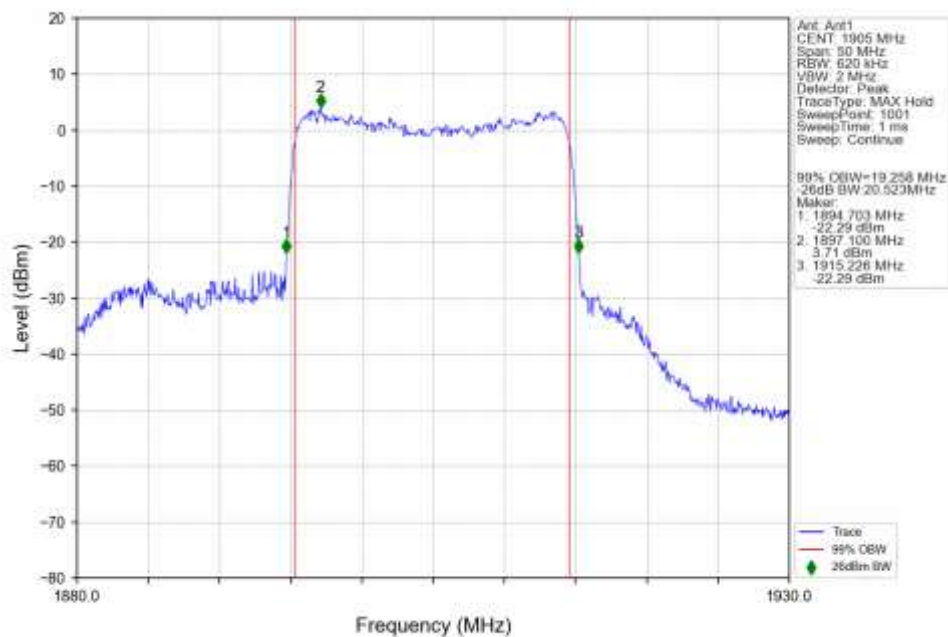
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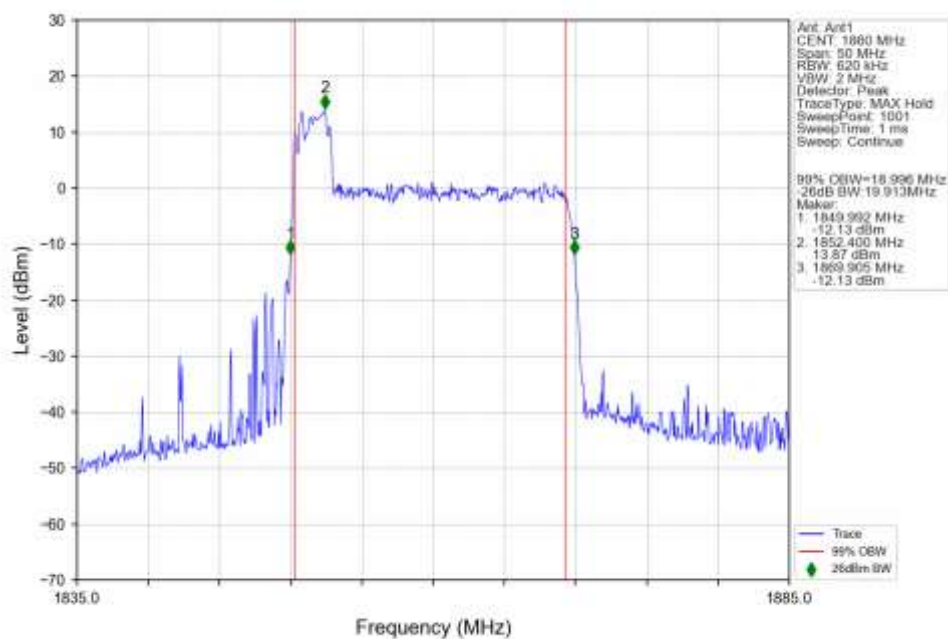
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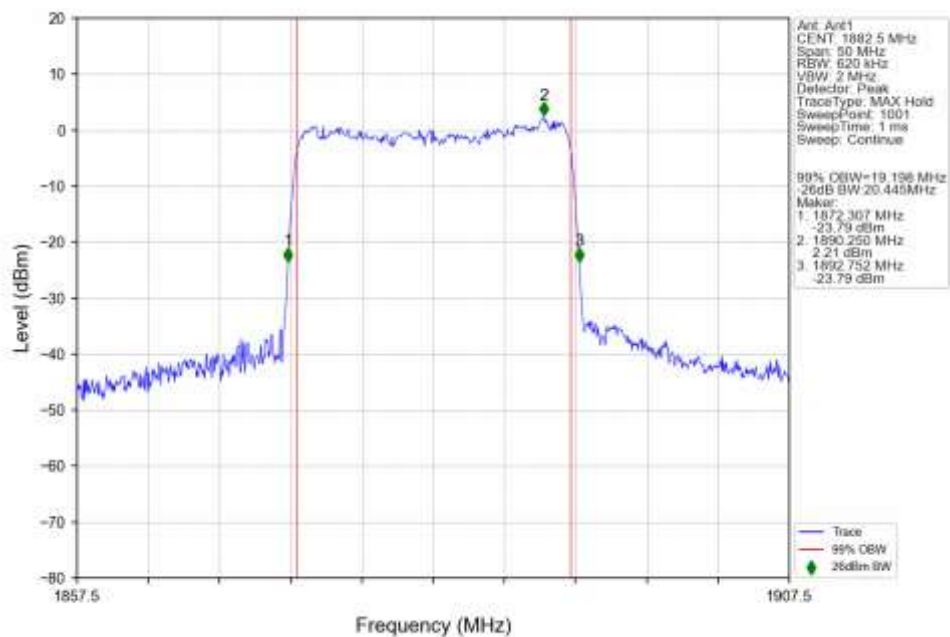
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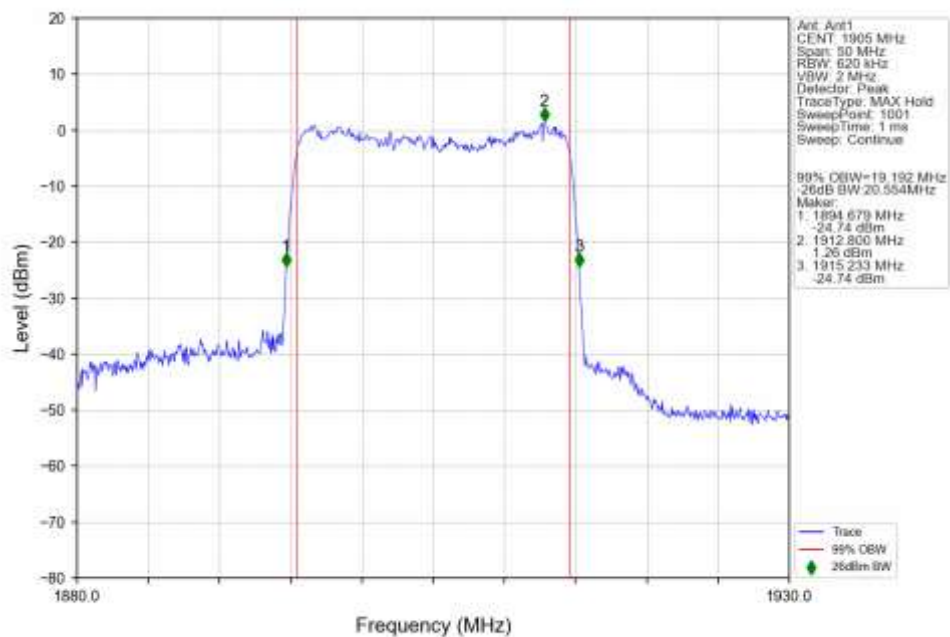
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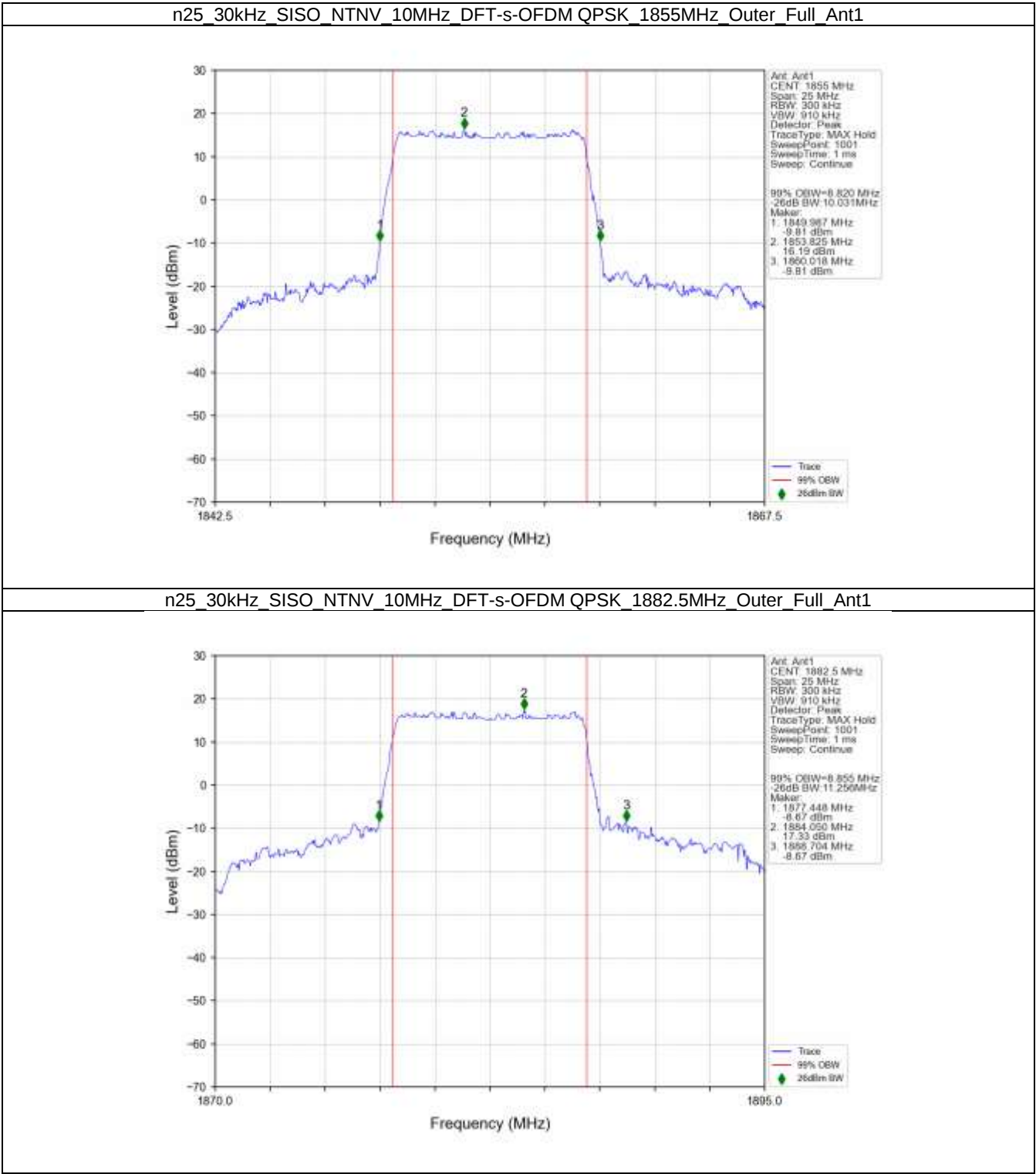
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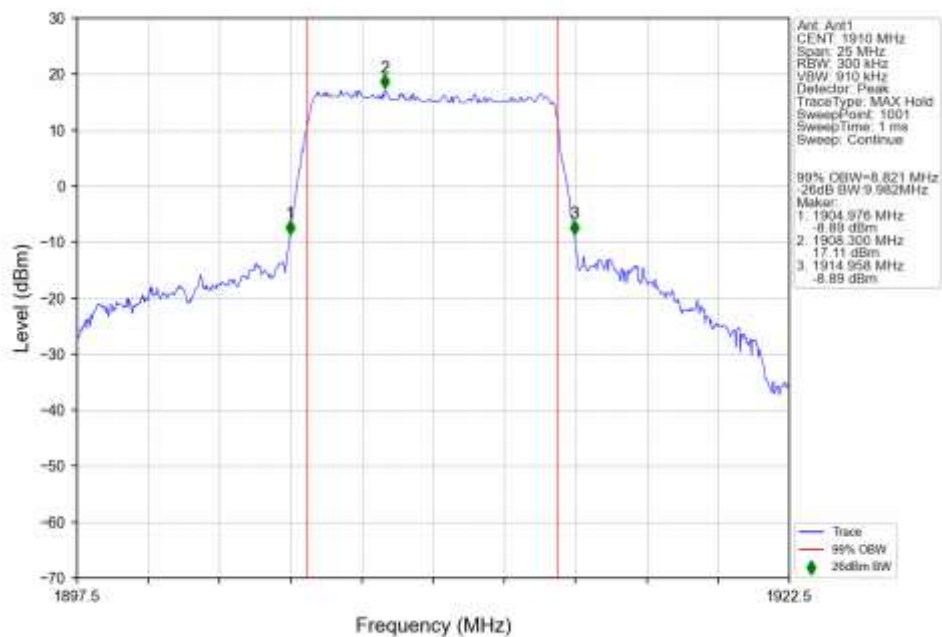
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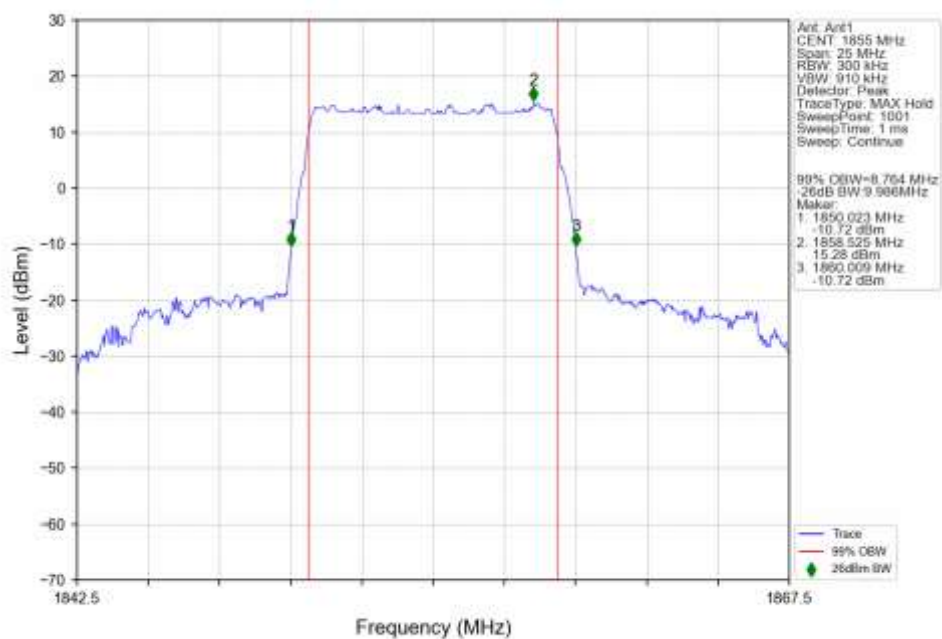
4.2.5 30k\_SISO\_10MHz\_NTNV



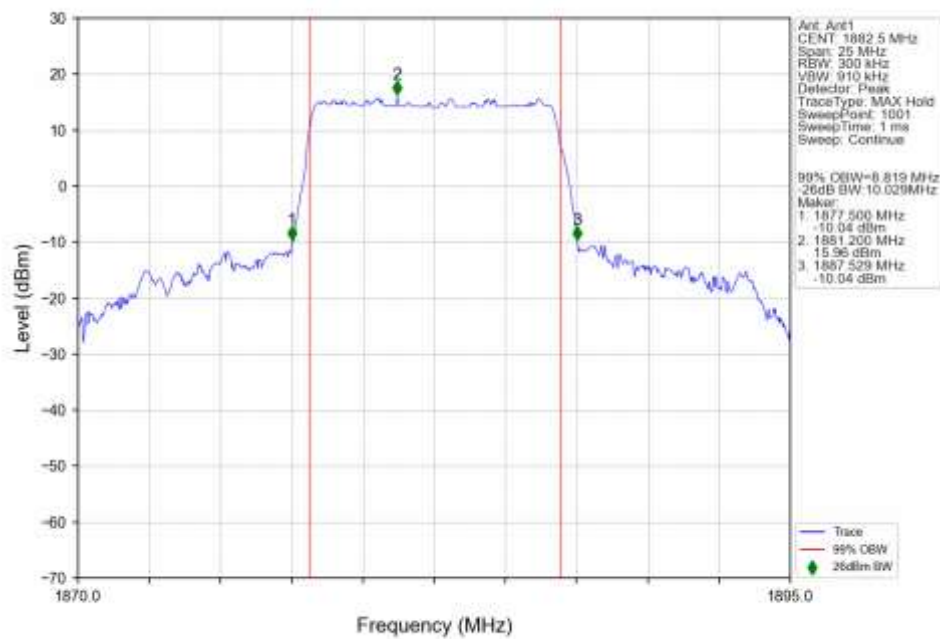
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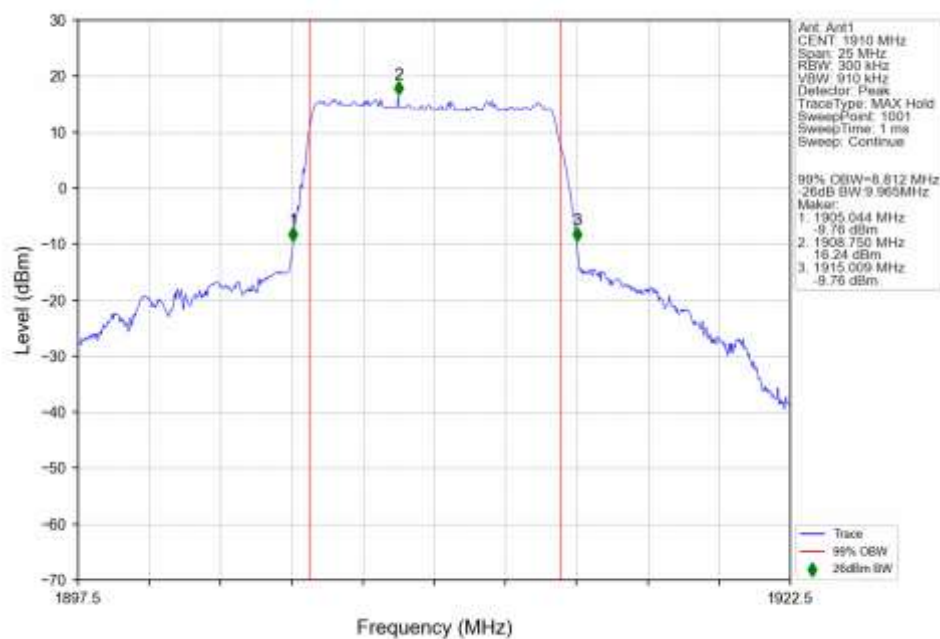
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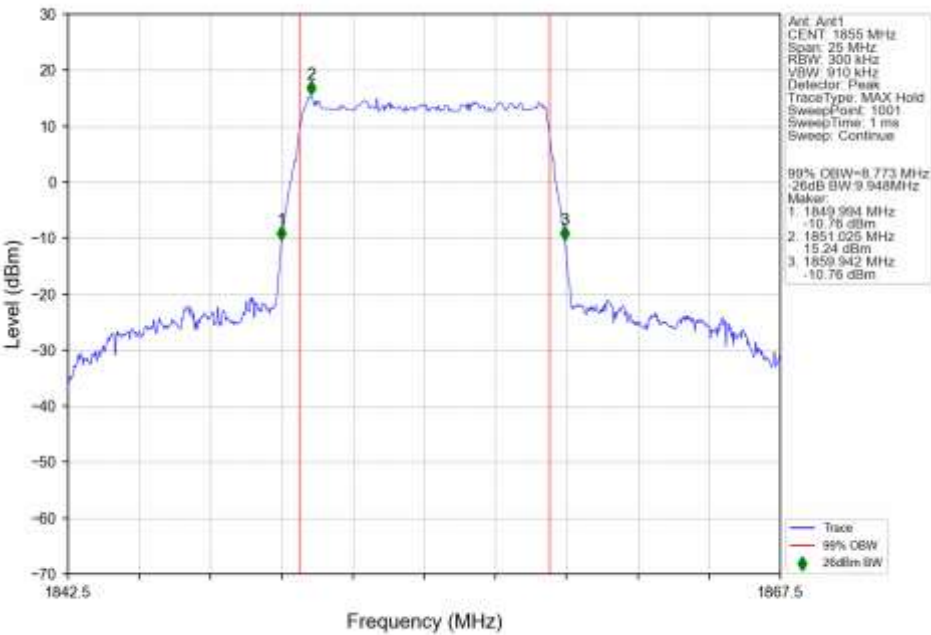
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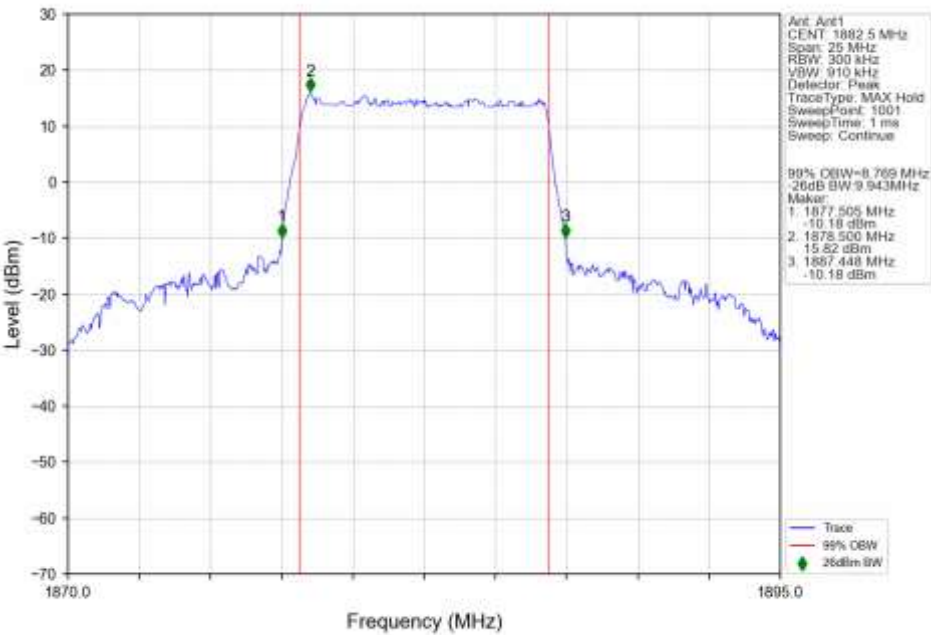
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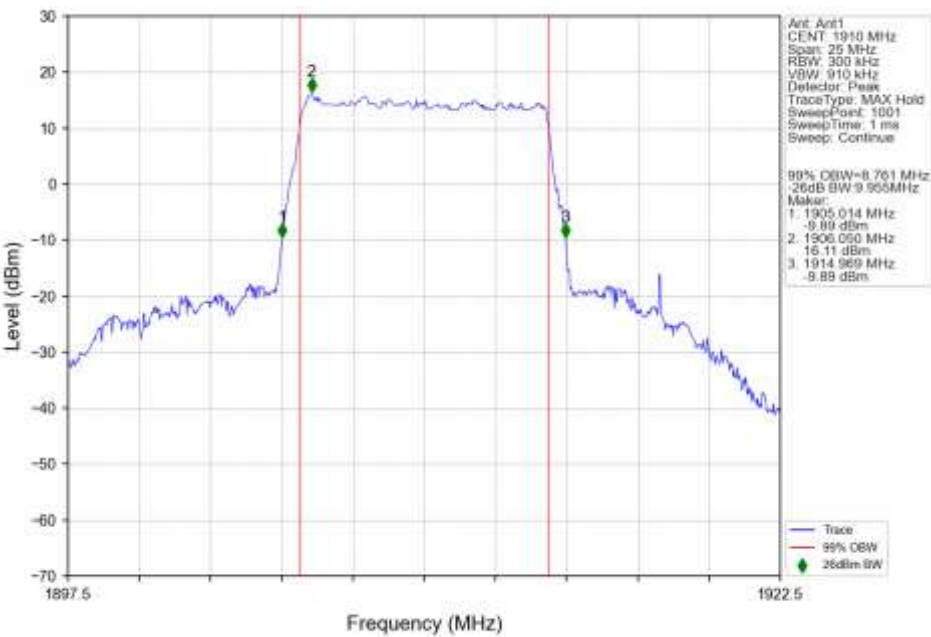
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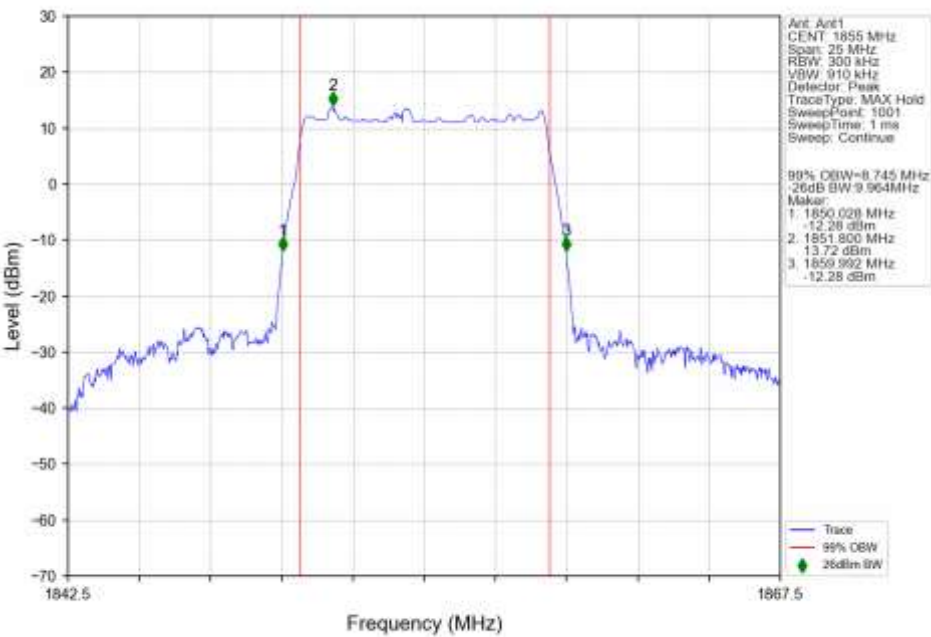
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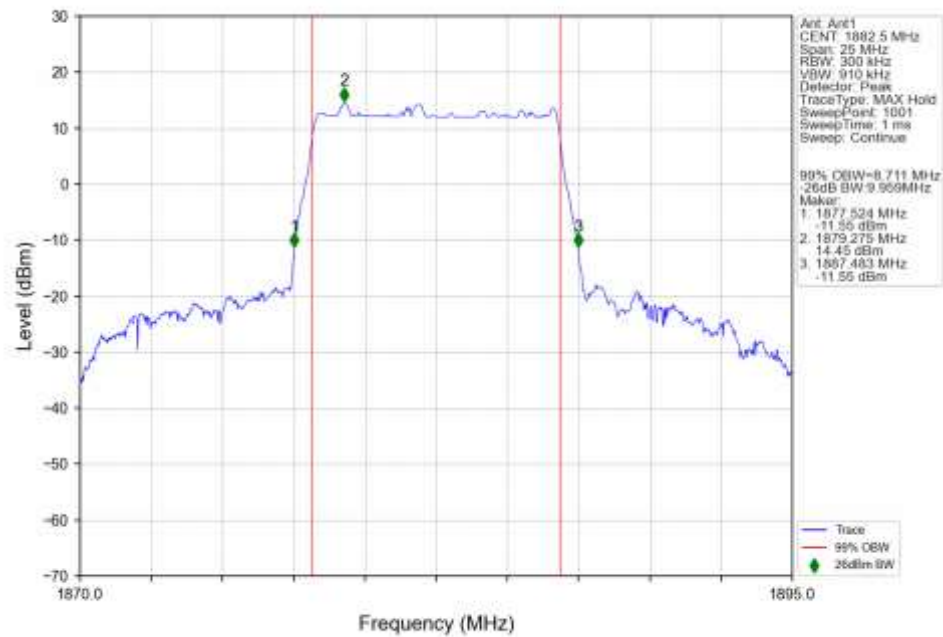
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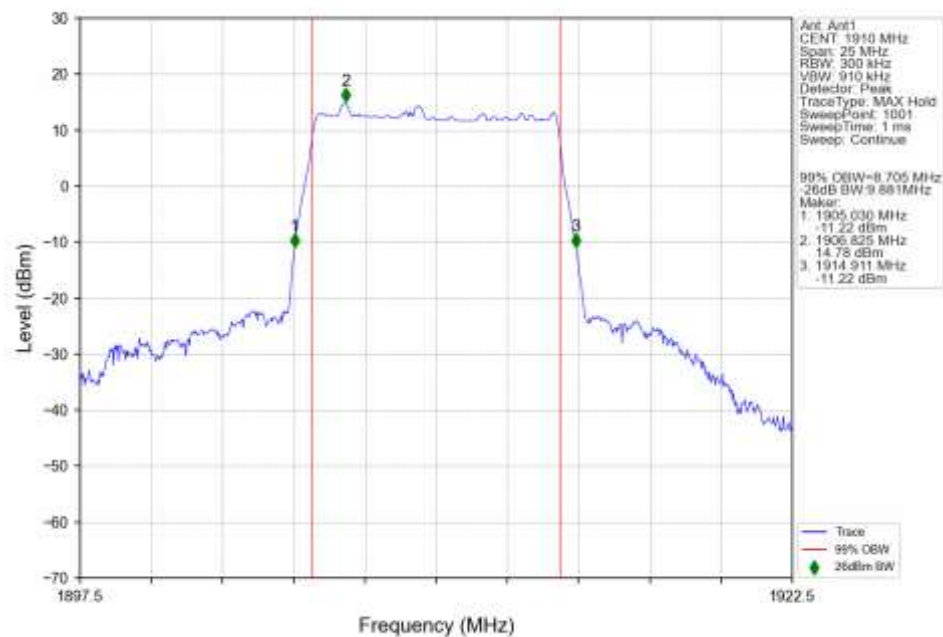
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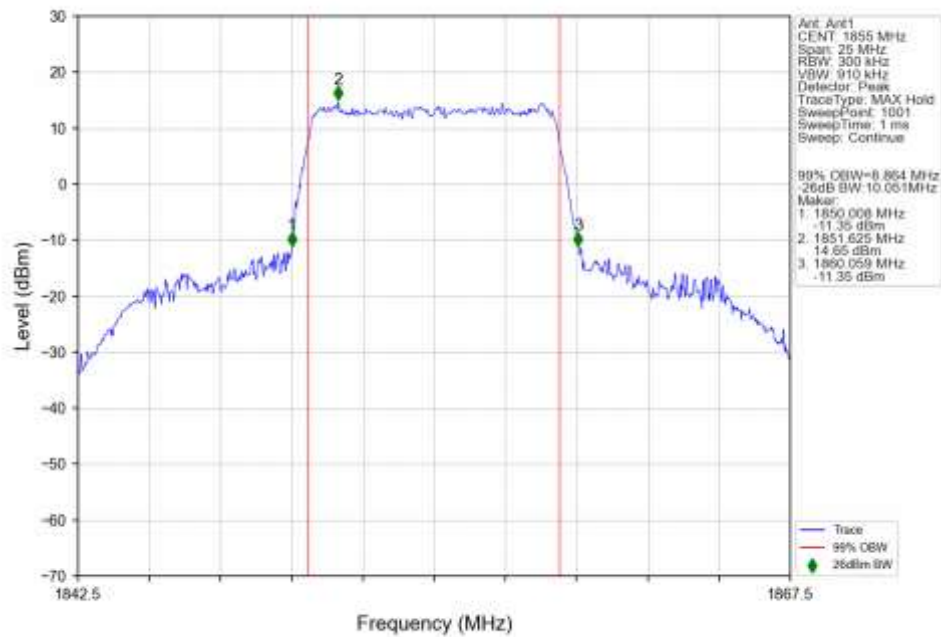
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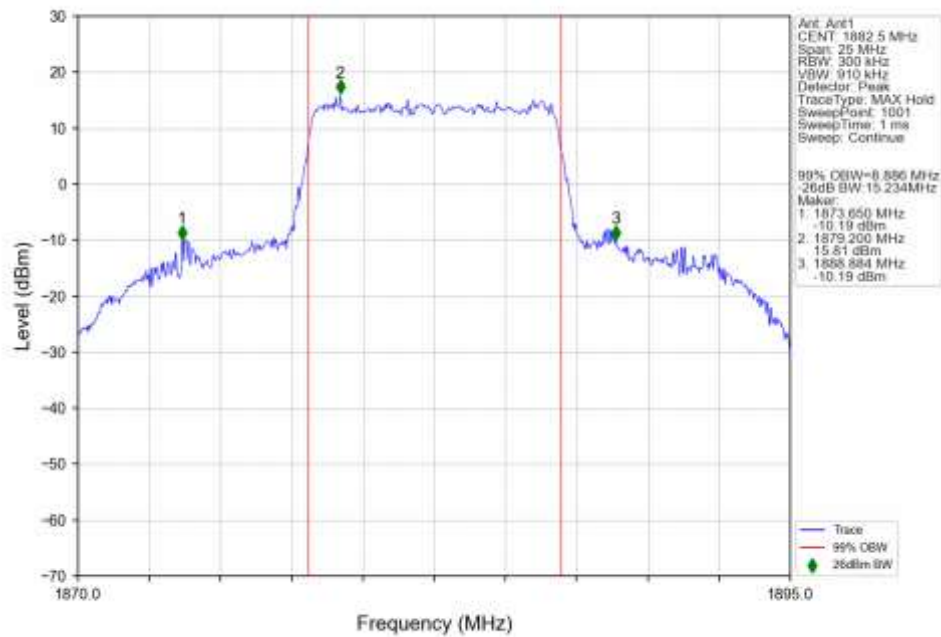
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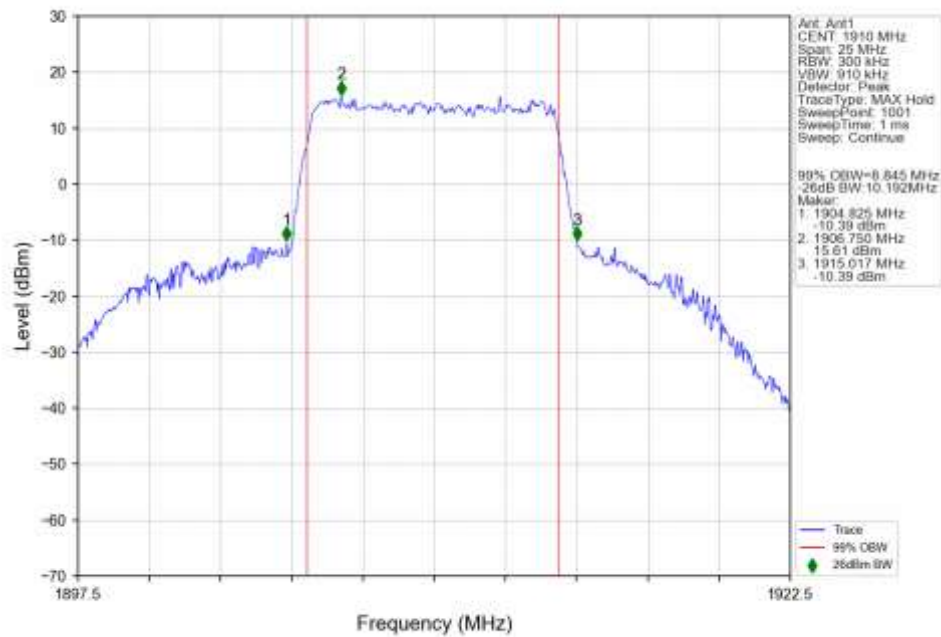
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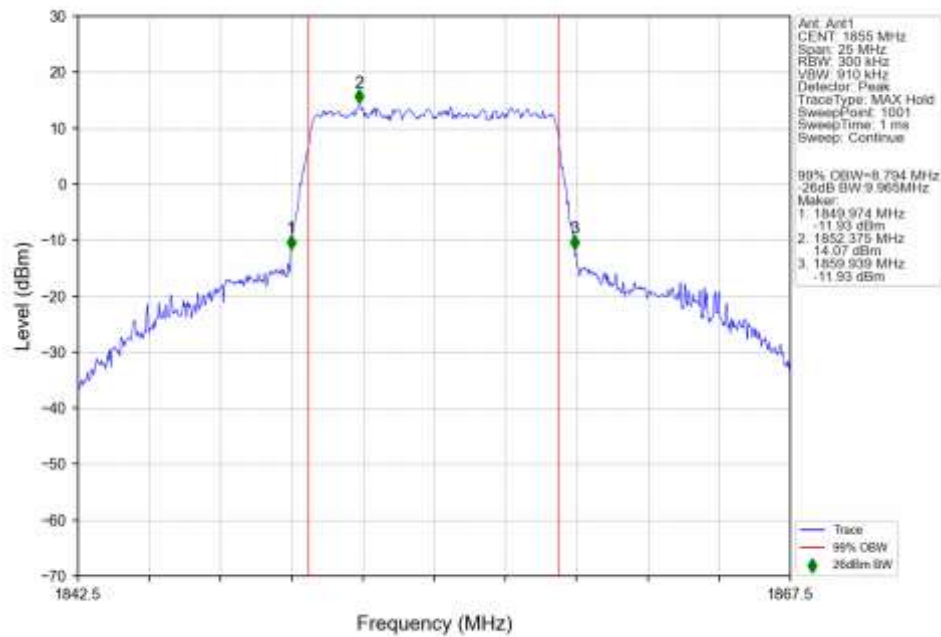
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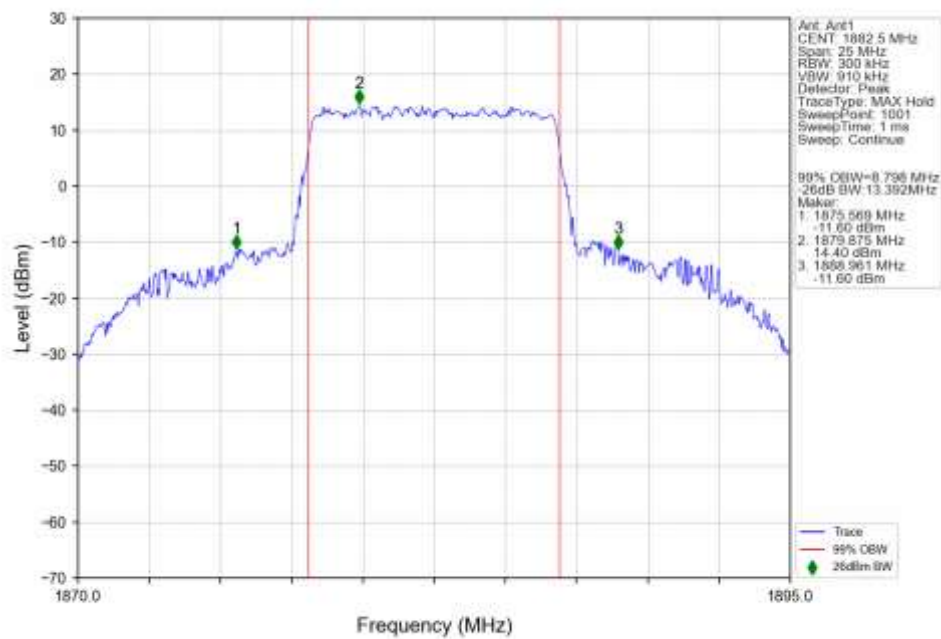
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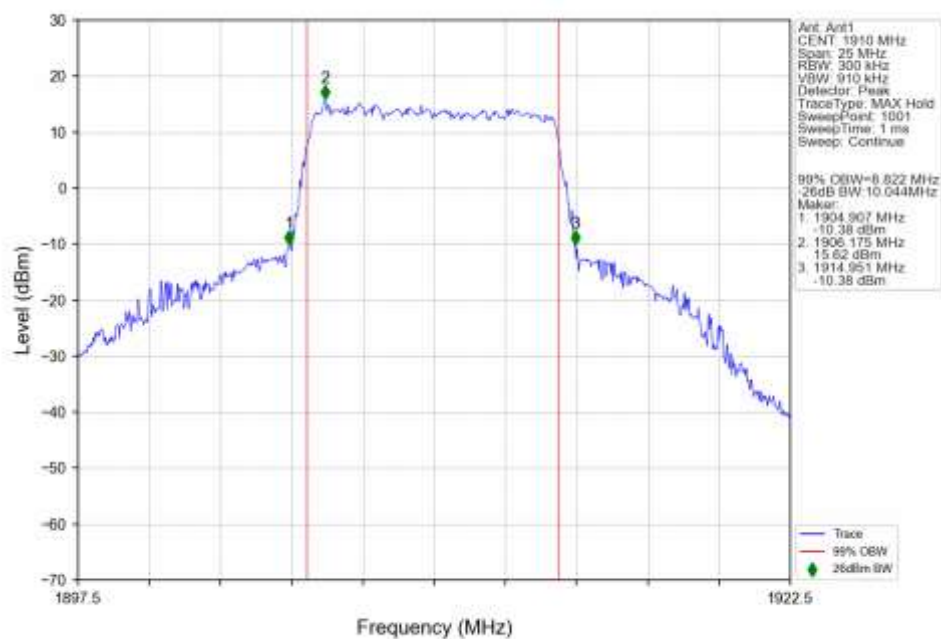
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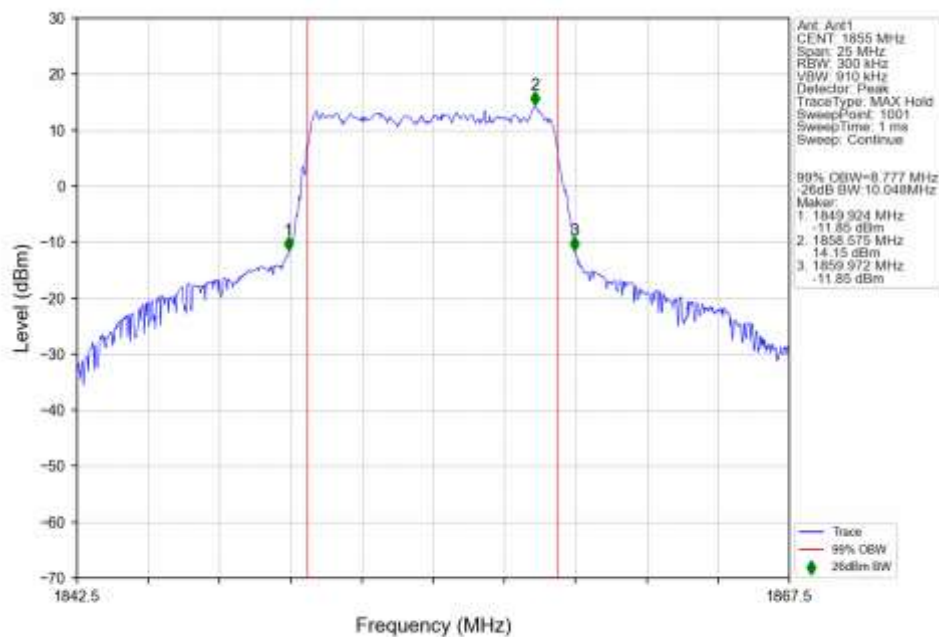
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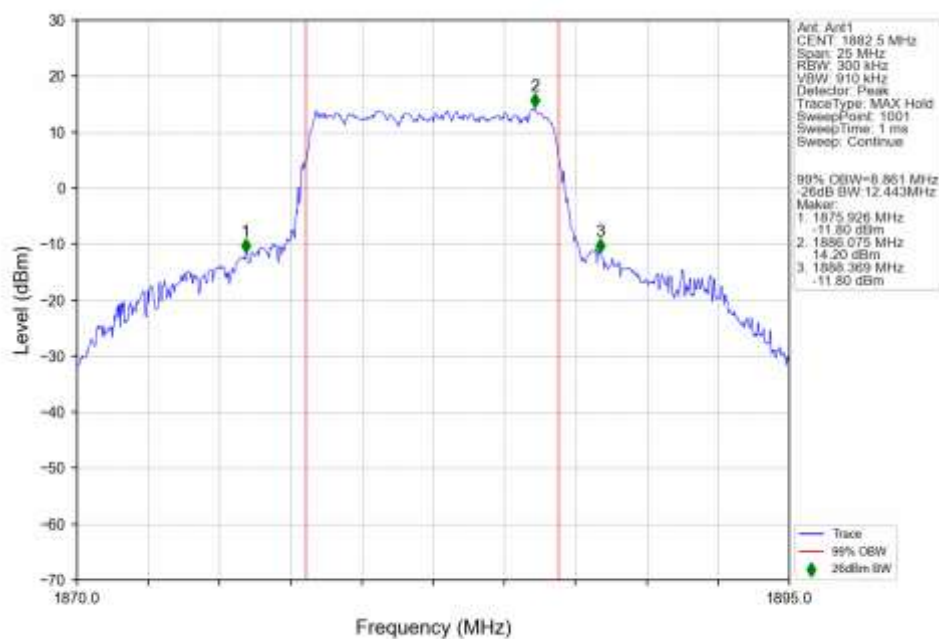
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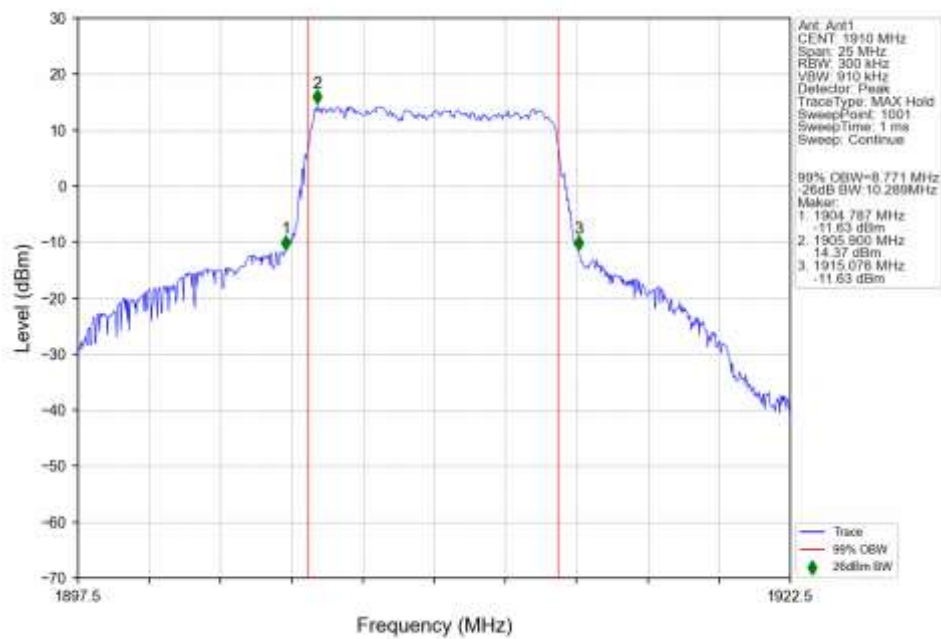
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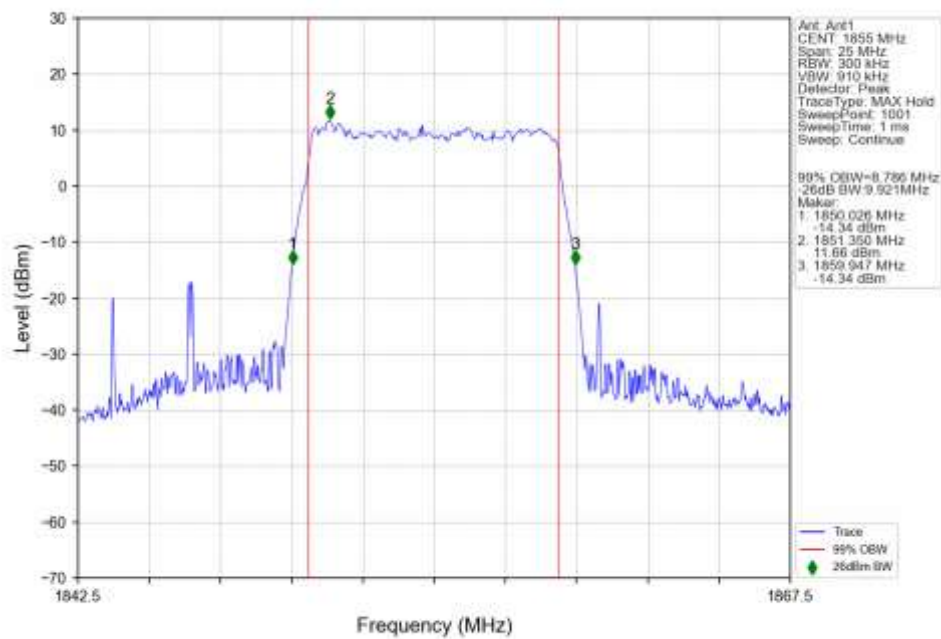
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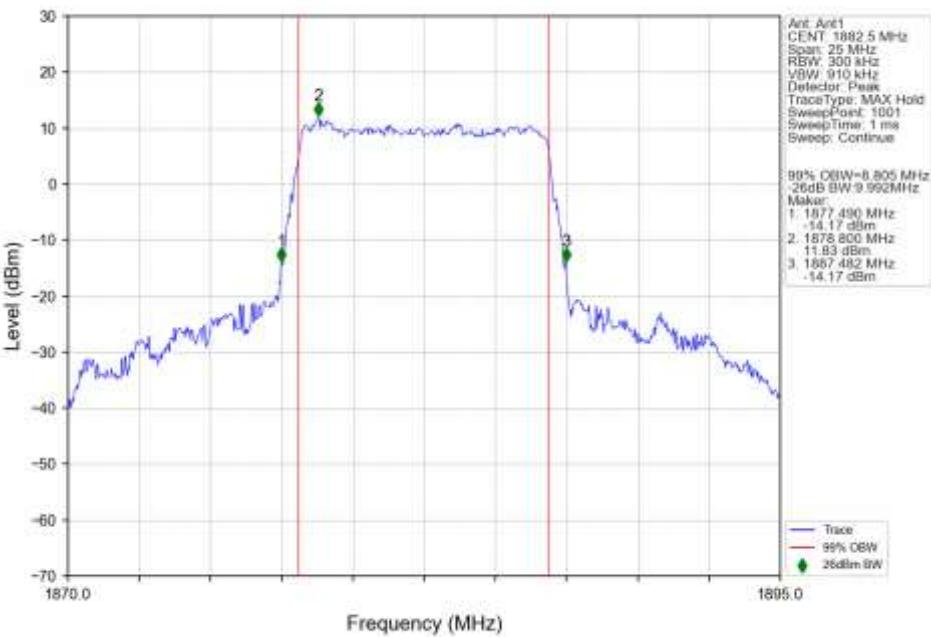
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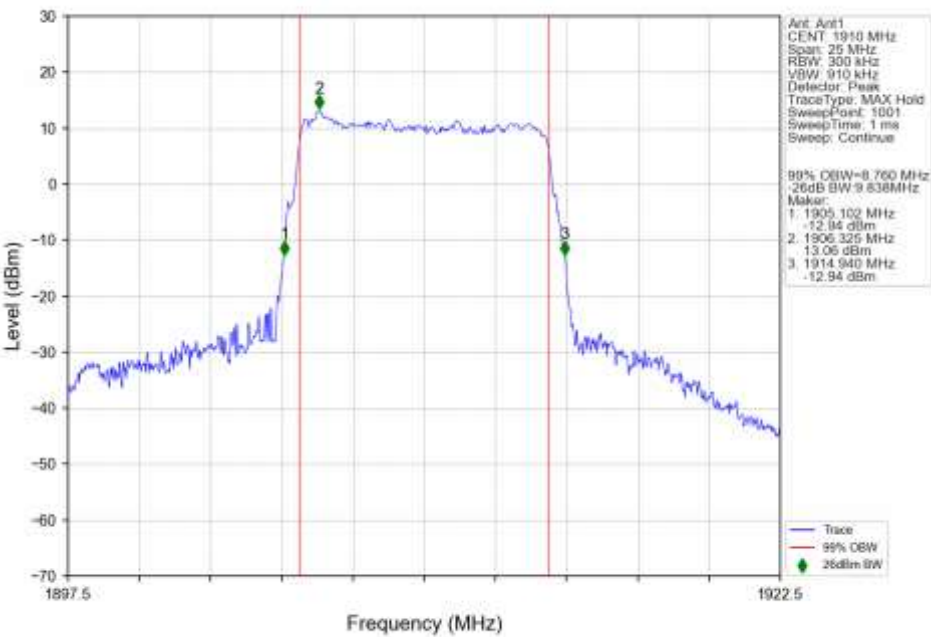
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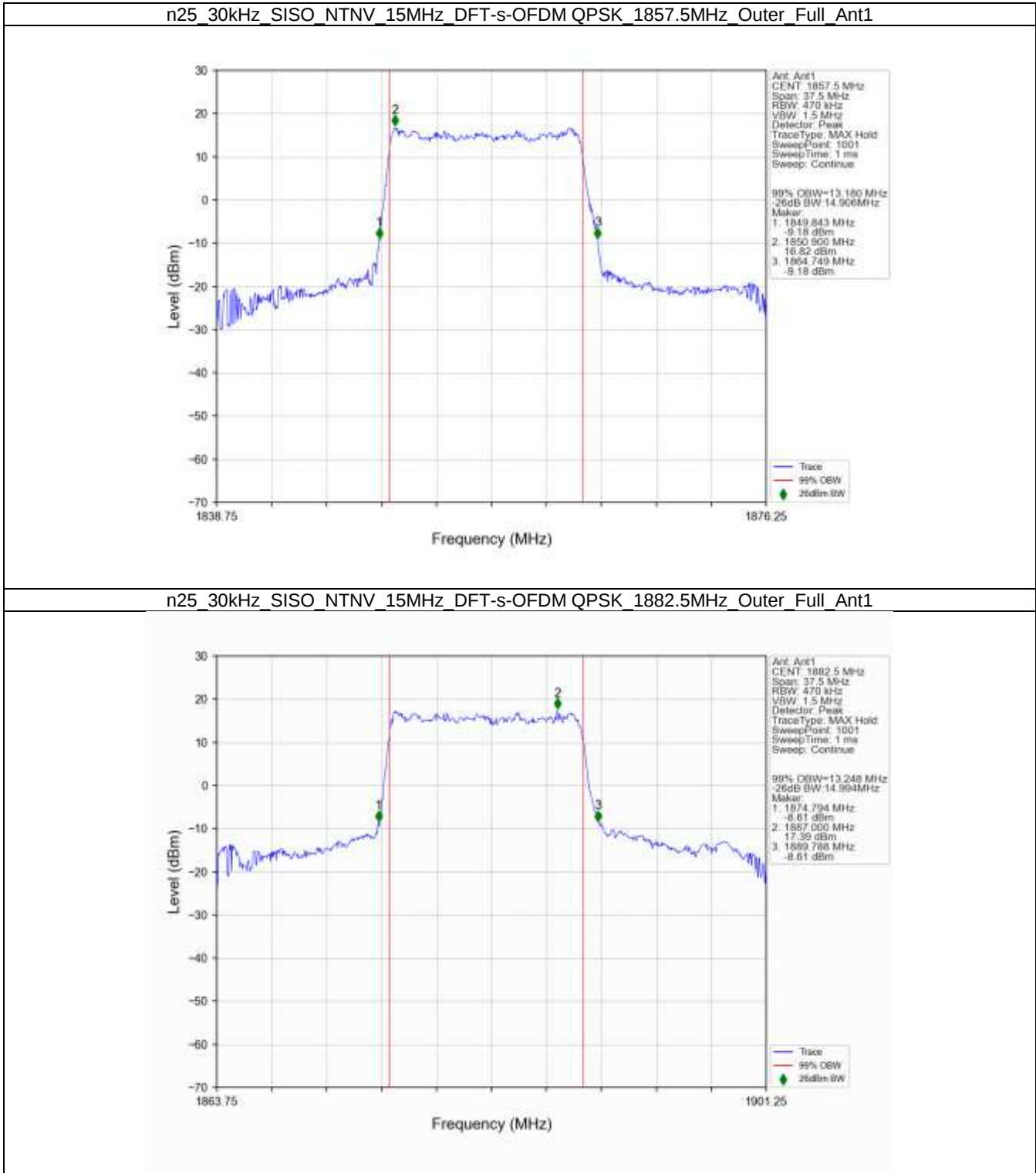
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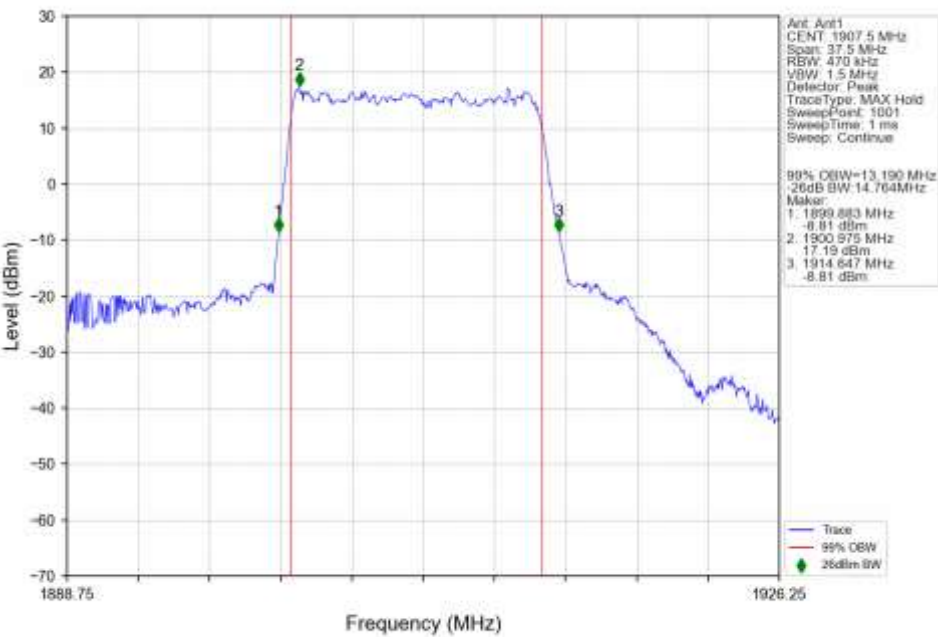
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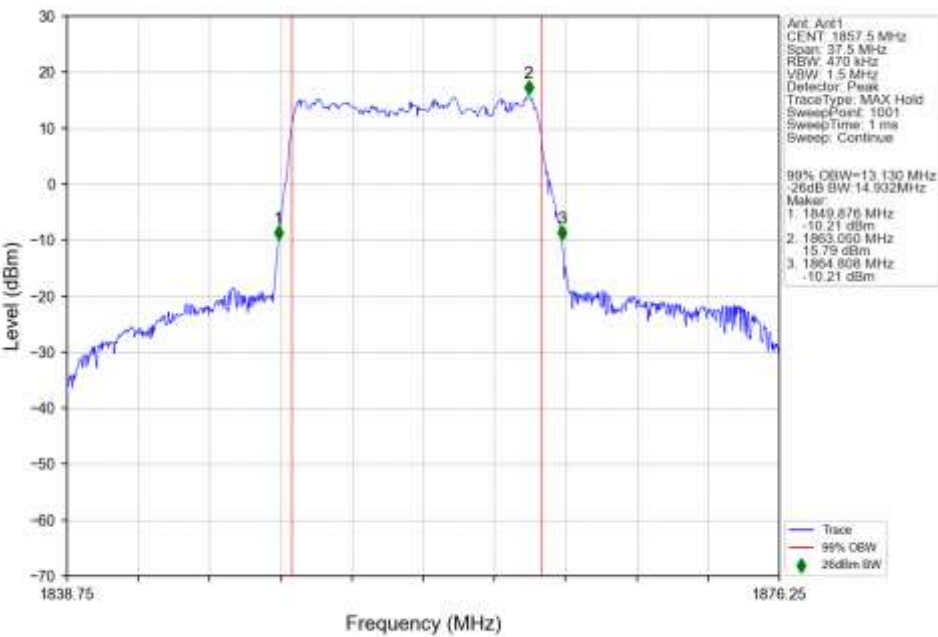
4.2.6 30k\_SISO\_15MHz\_NTNV



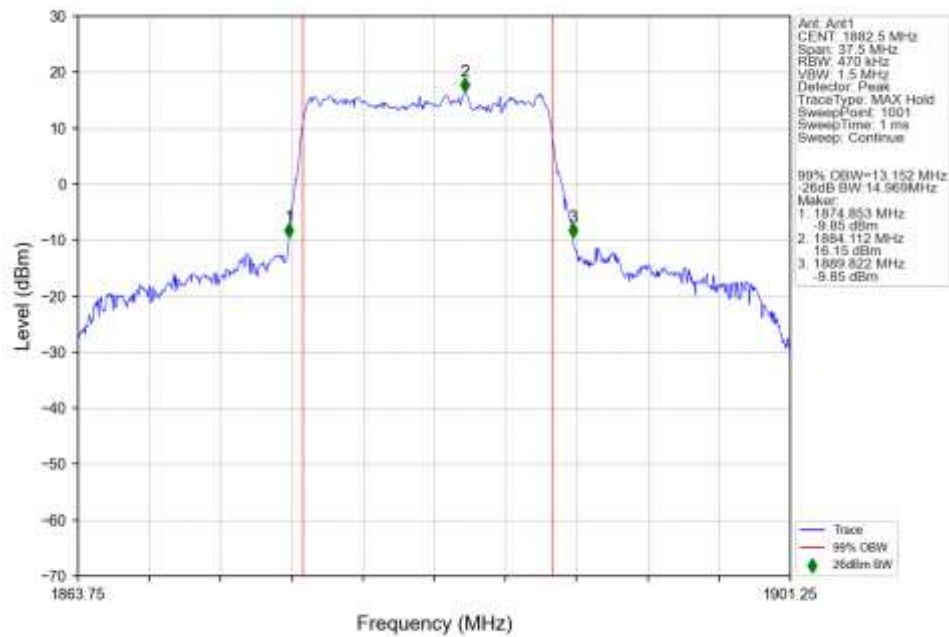
n25\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_1907.5MHz\_Outer\_Full\_Ant1



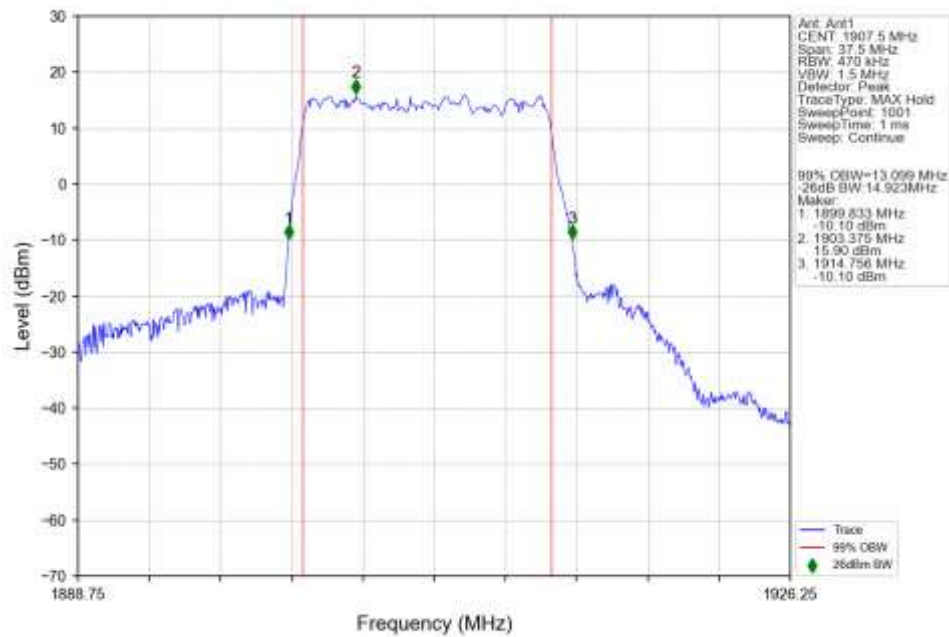
n25\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_16\_QAM\_1857.5MHz\_Outer\_Full\_Ant1



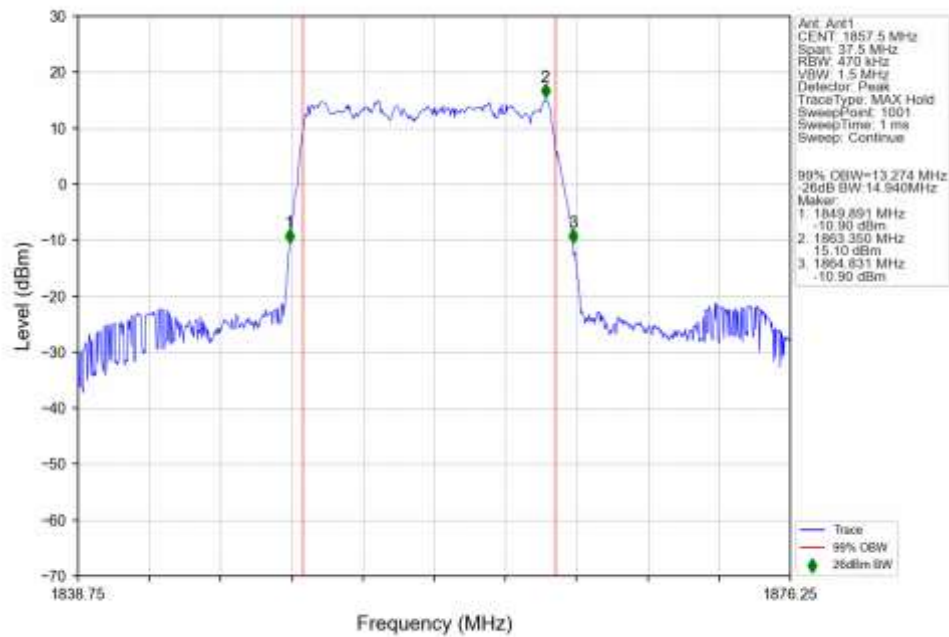
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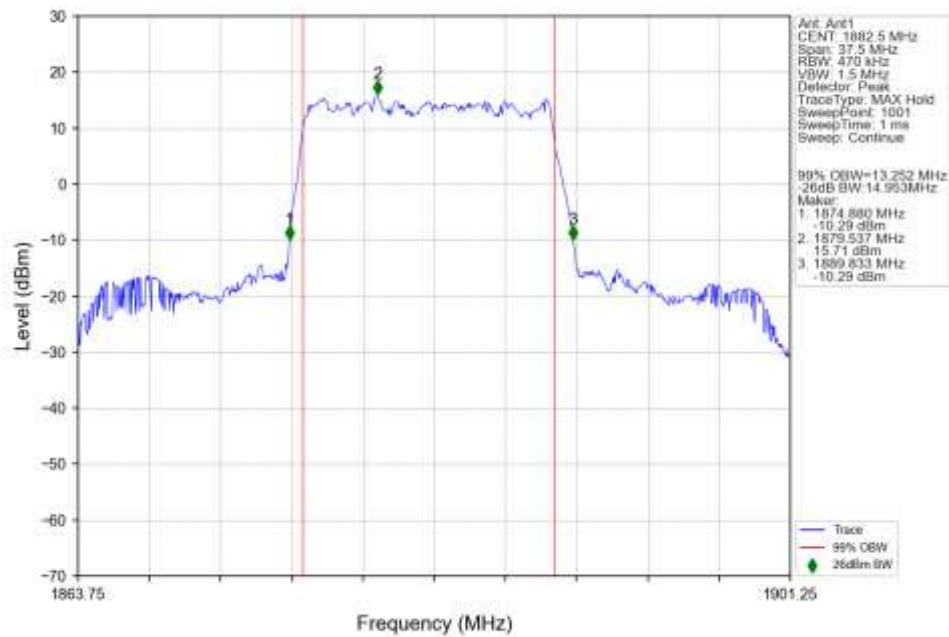
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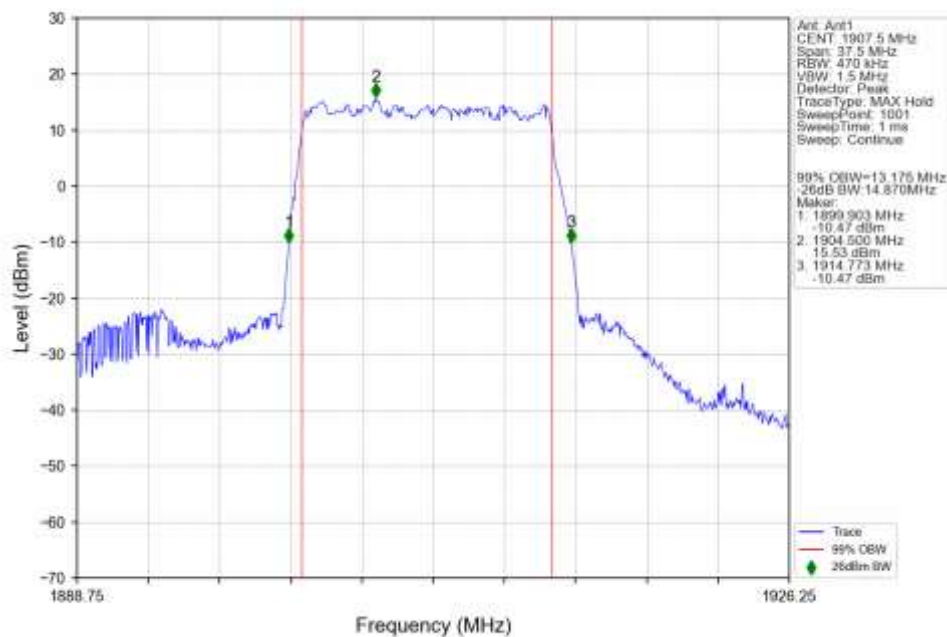
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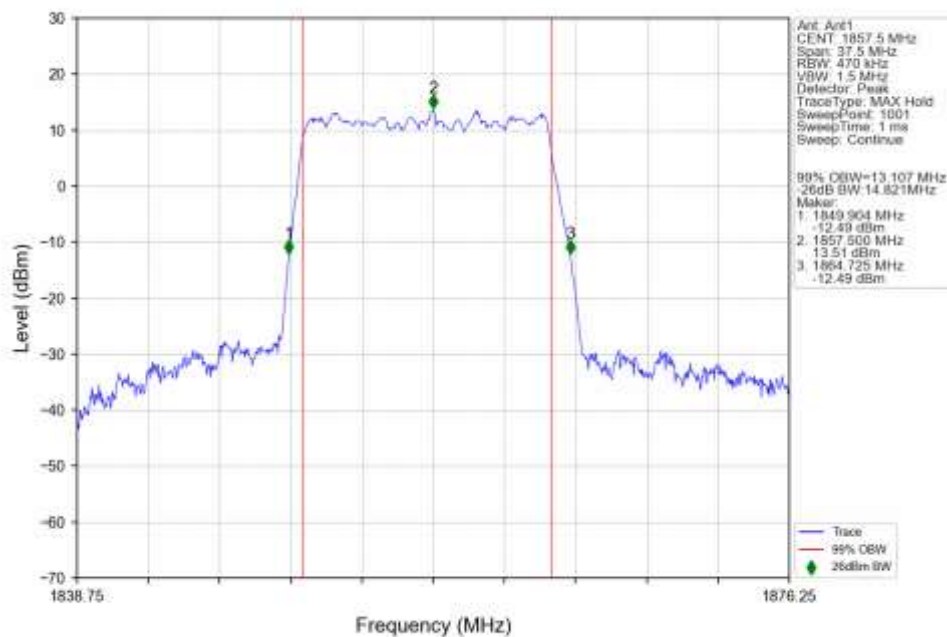
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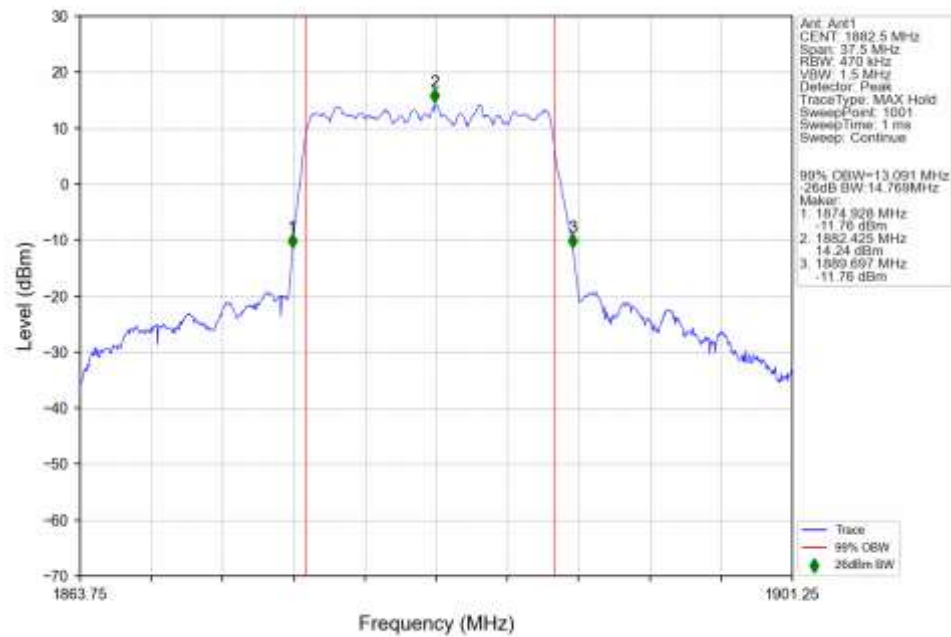
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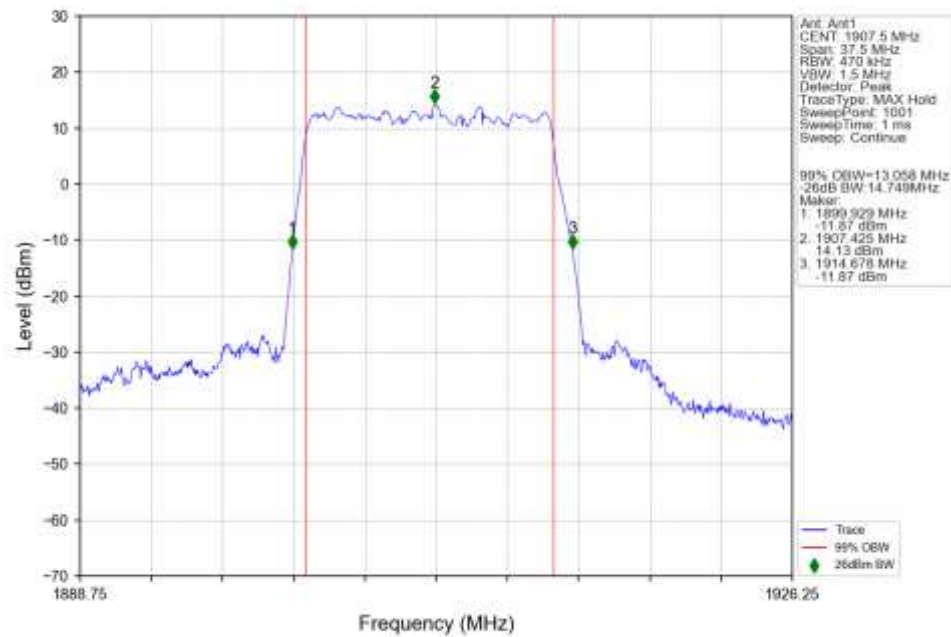
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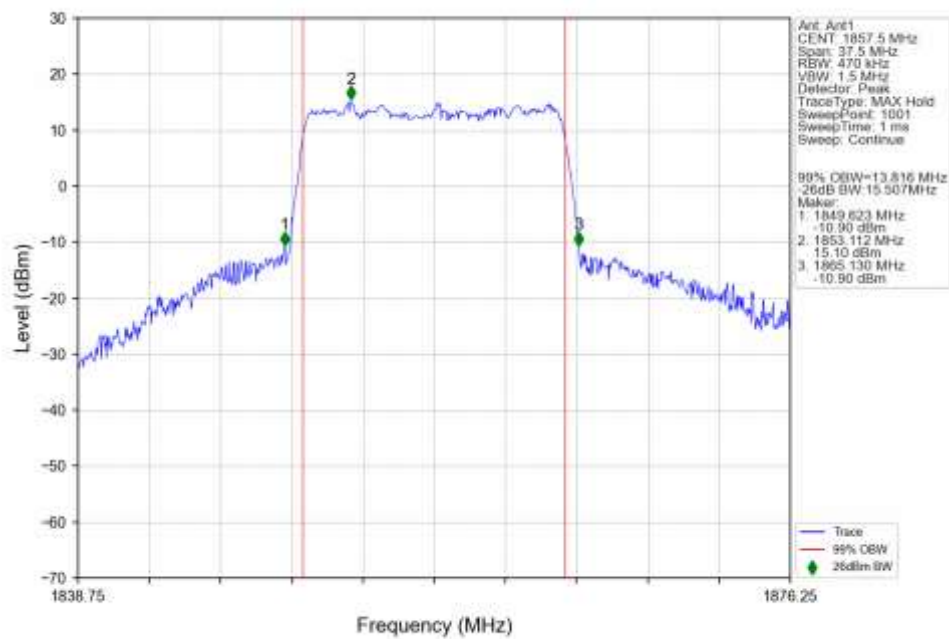
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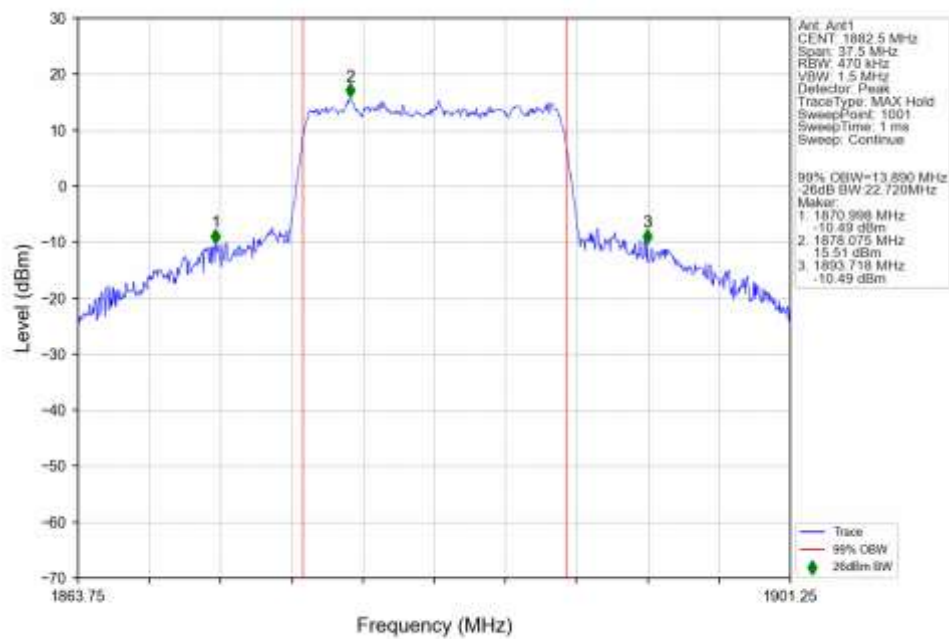
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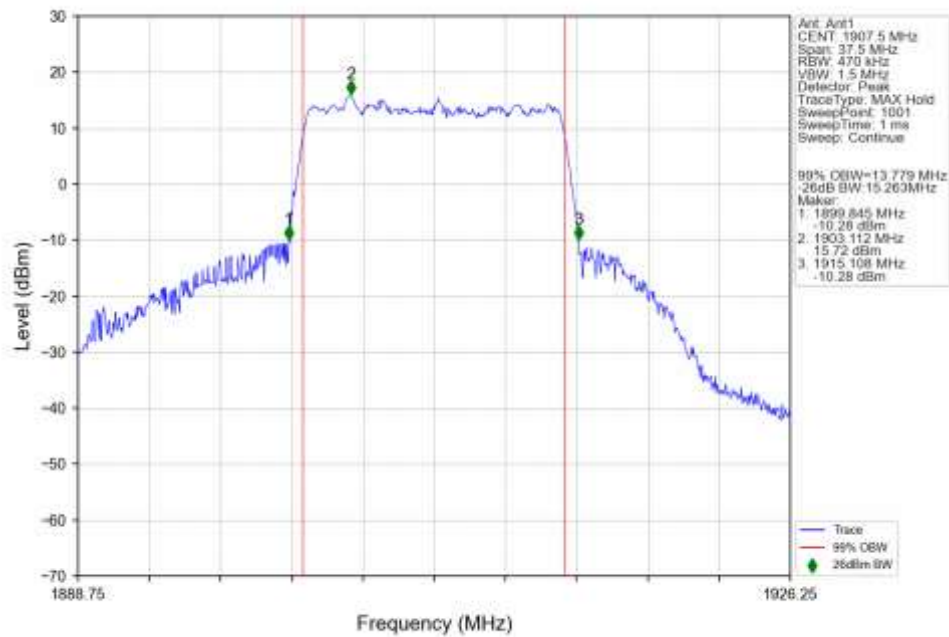
n25 30kHz SISO NTN 15MHz CP-OFDM QPSK 1857.5MHz Outer\_Full Ant1



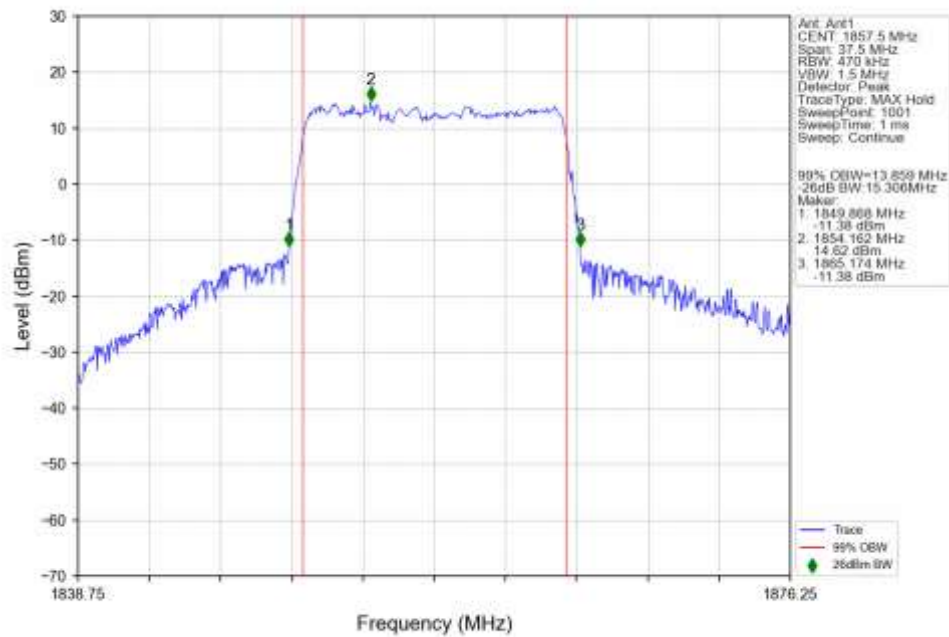
n25 30kHz SISO NTN 15MHz CP-OFDM QPSK 1882.5MHz Outer\_Full Ant1



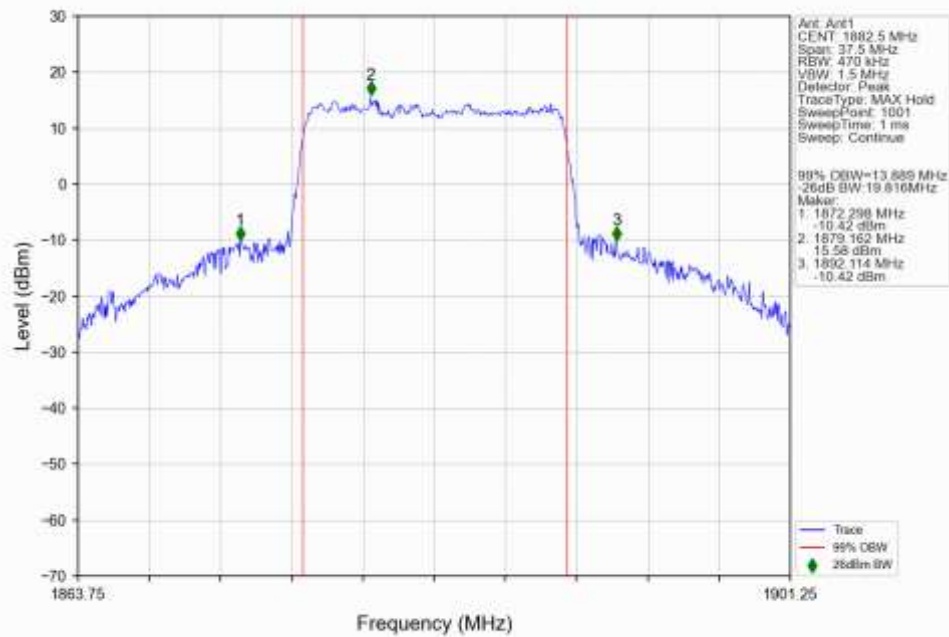
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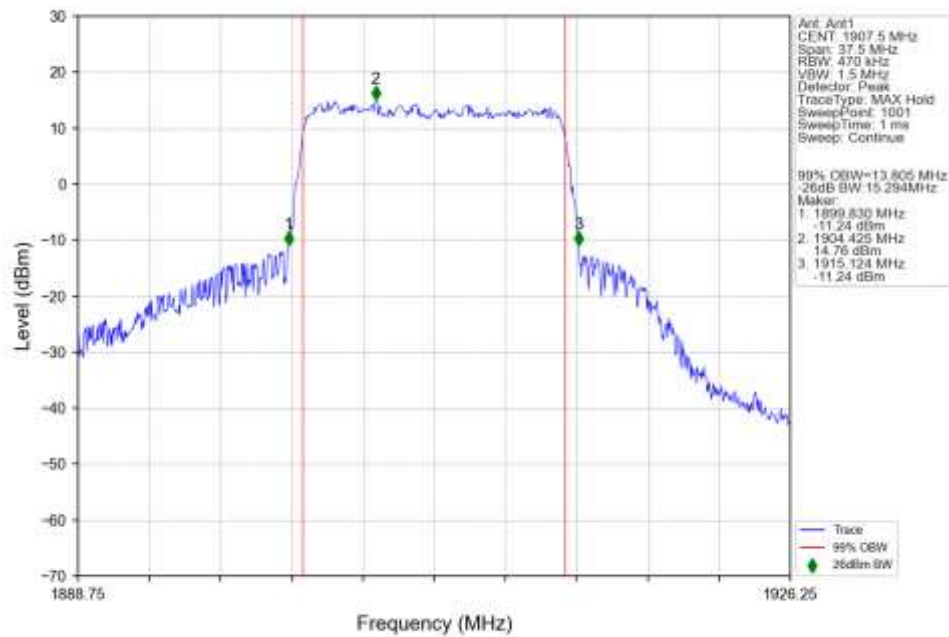
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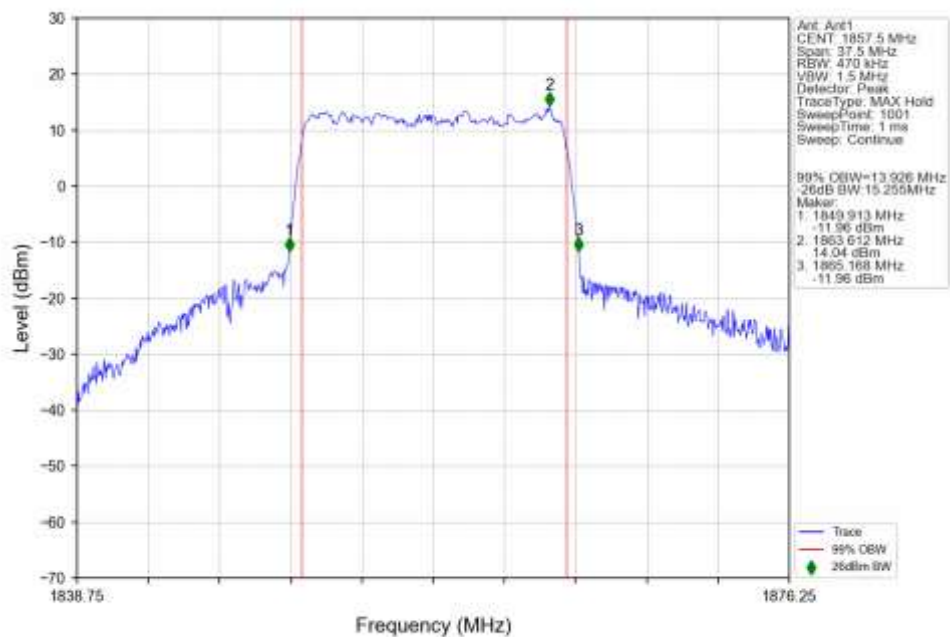
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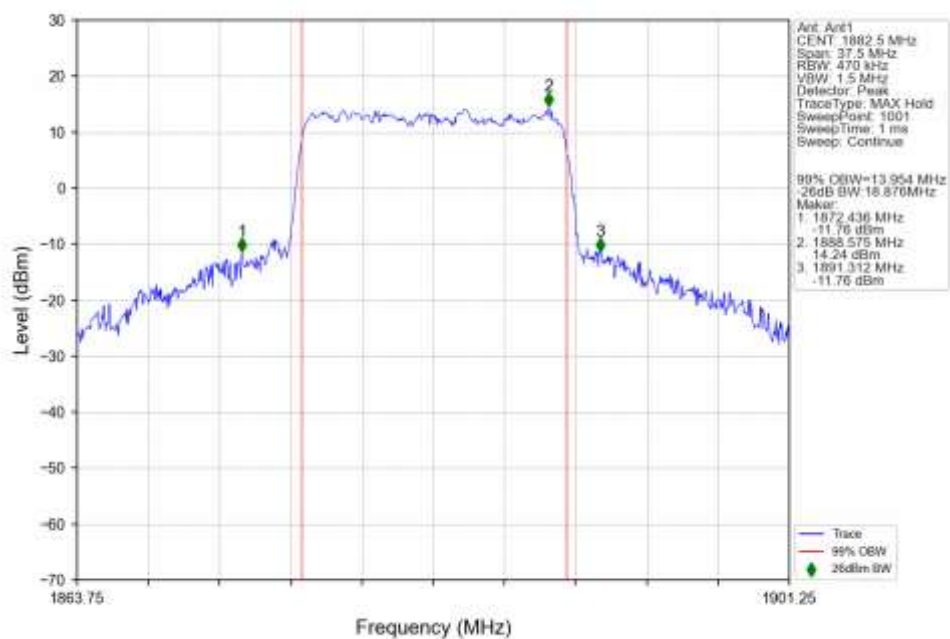
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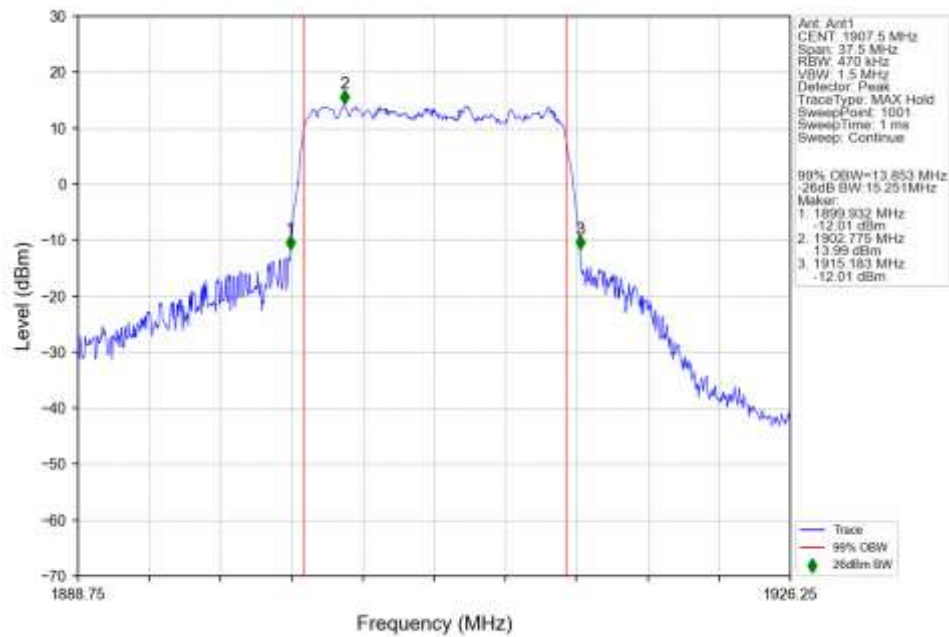
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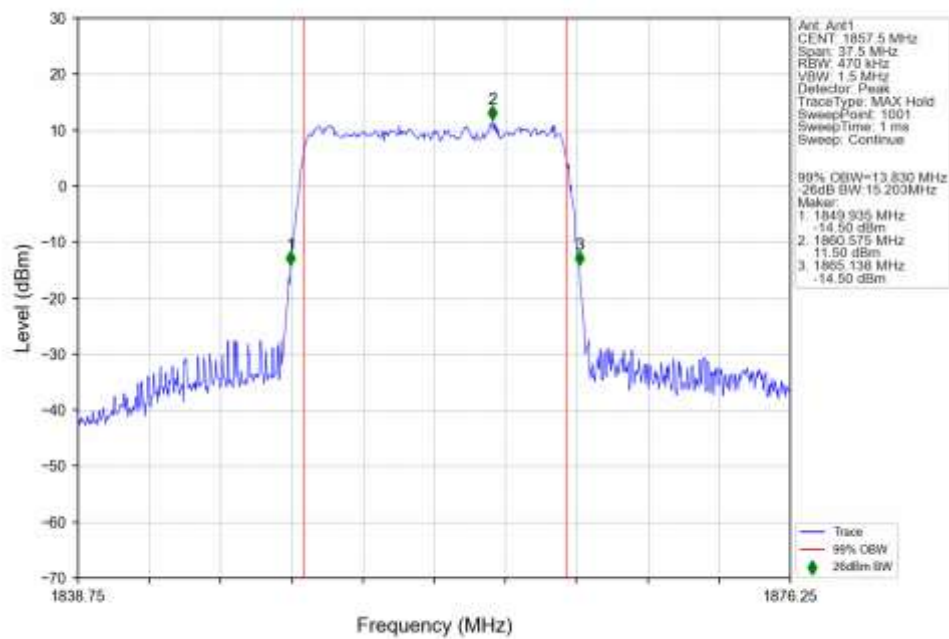
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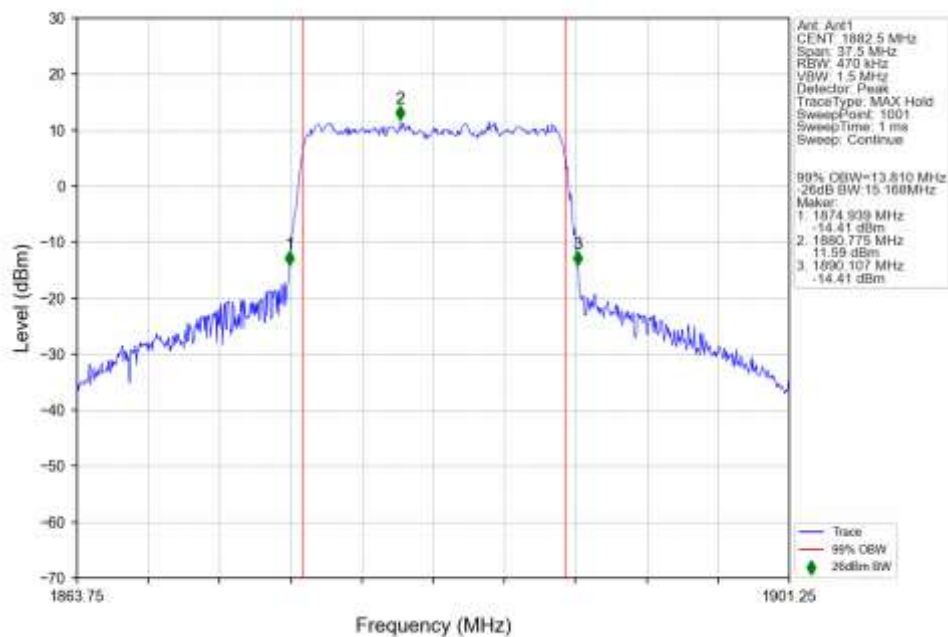
n25 30kHz SISO NTN 15MHz CP-OFDM 64 QAM 1907.5MHz Outer Full Ant1



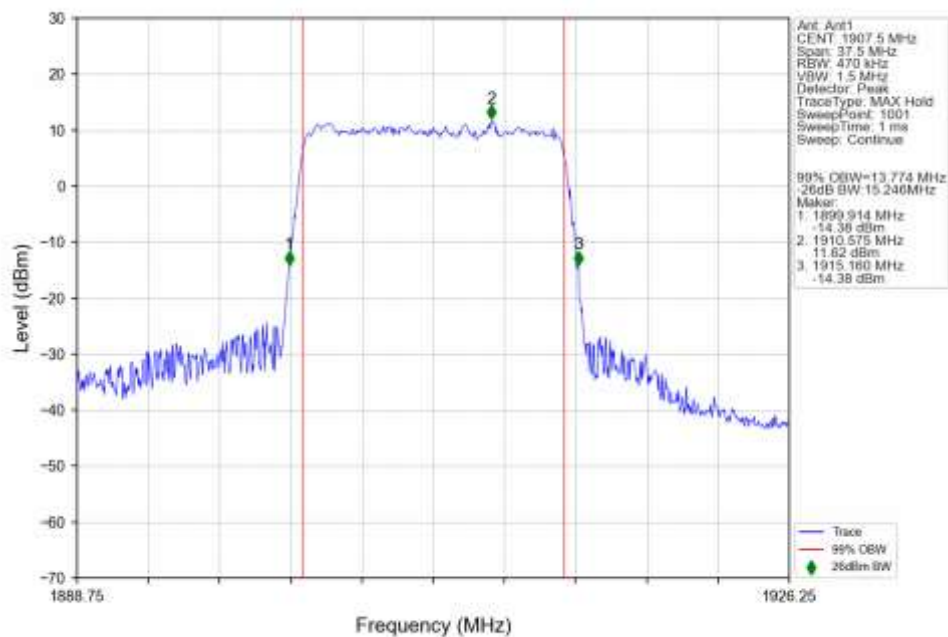
n25 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 1857.5MHz Outer Full Ant1



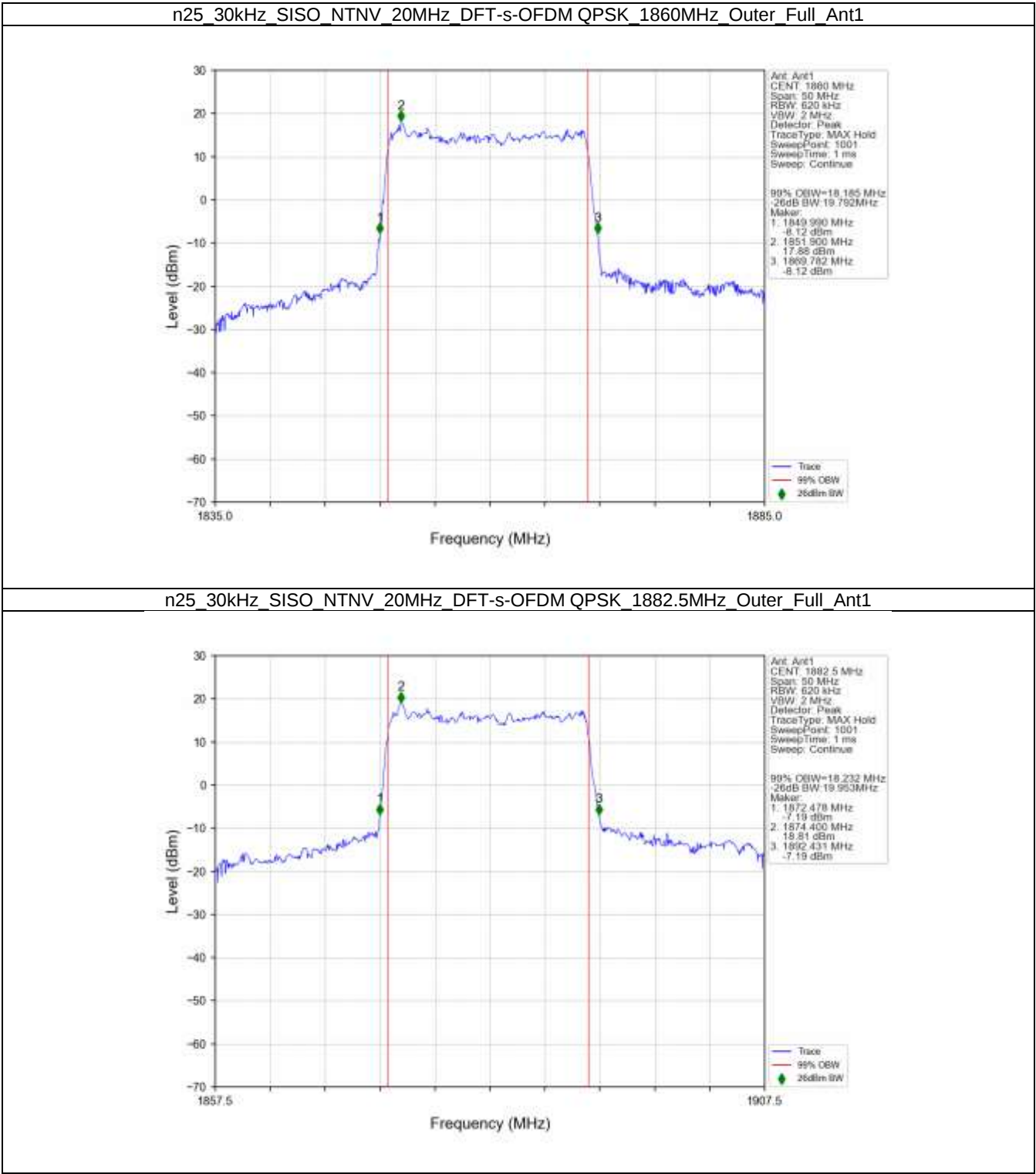
n25 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 1882.5MHz Outer\_Full Ant1



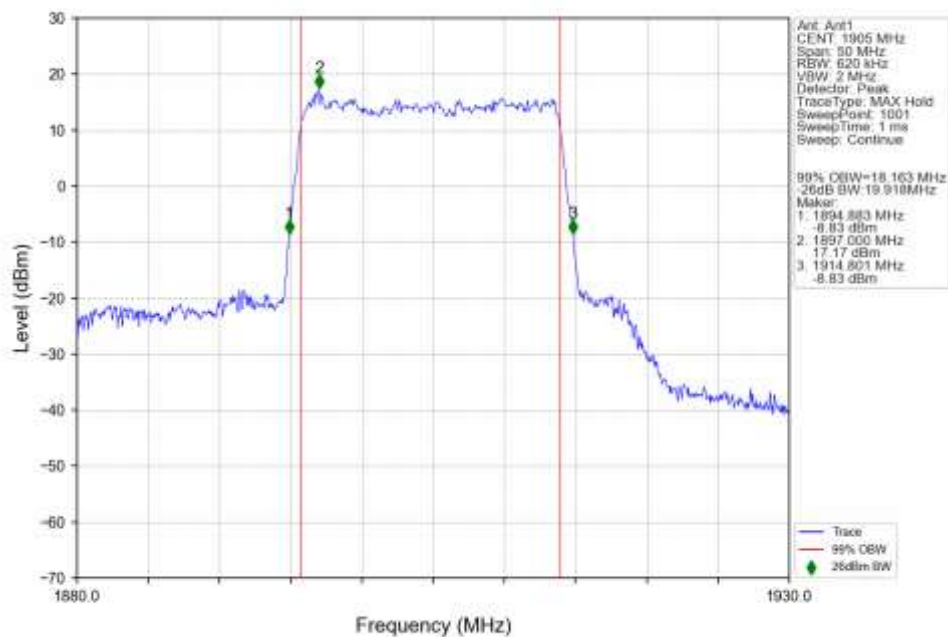
n25 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 1907.5MHz Outer\_Full Ant1



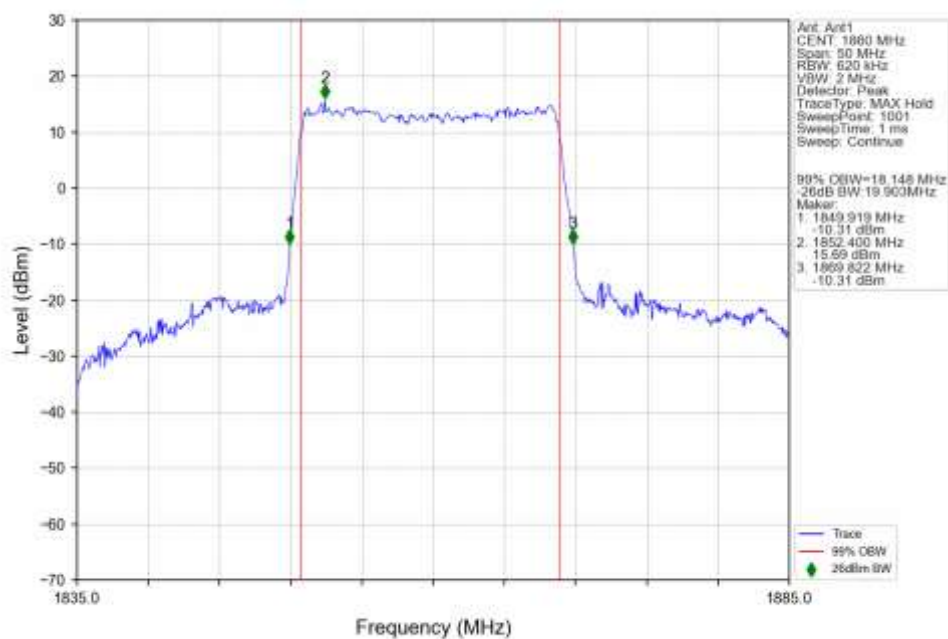
4.2.7 30k\_SISO\_20MHz\_NTNV



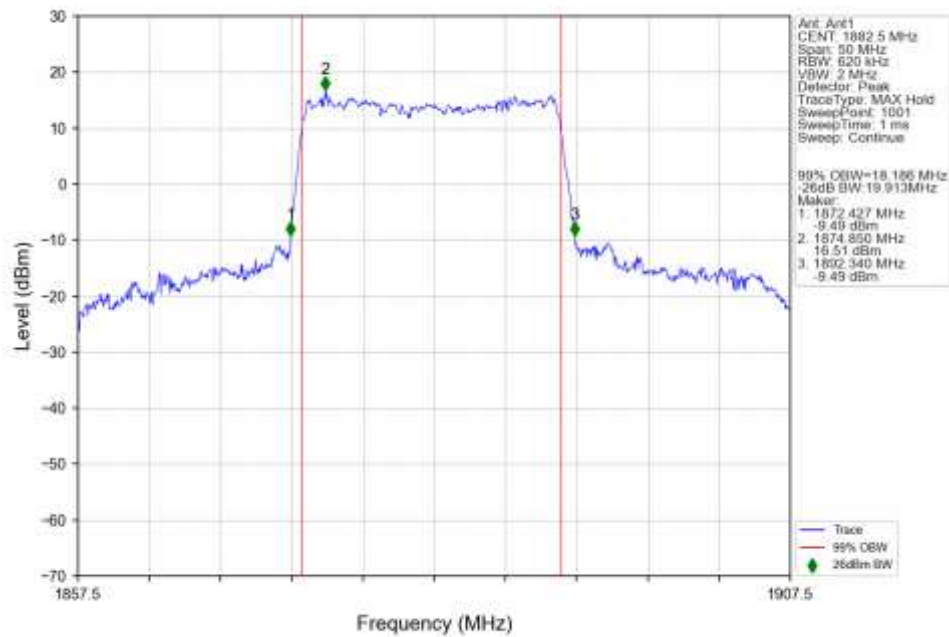
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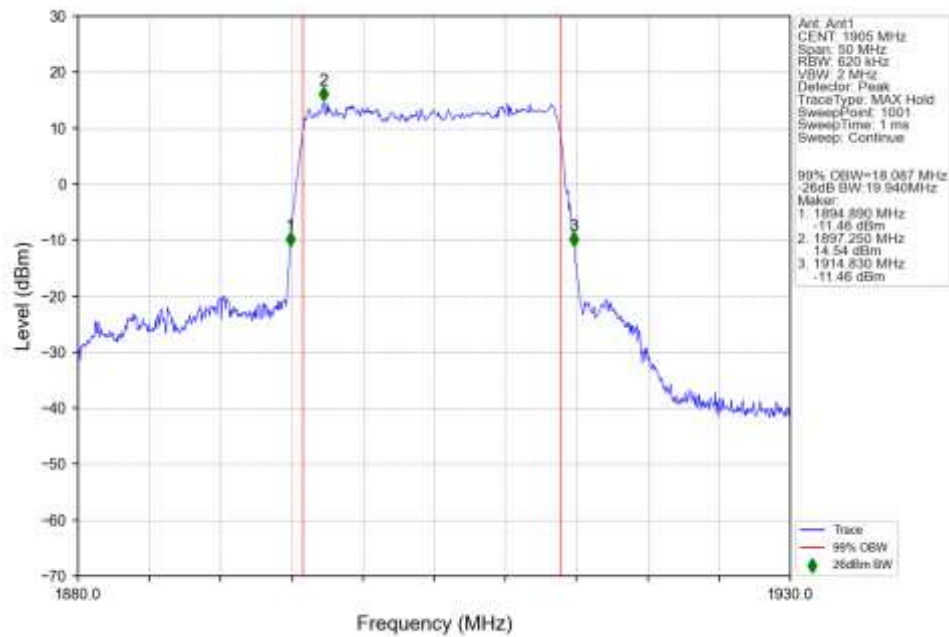
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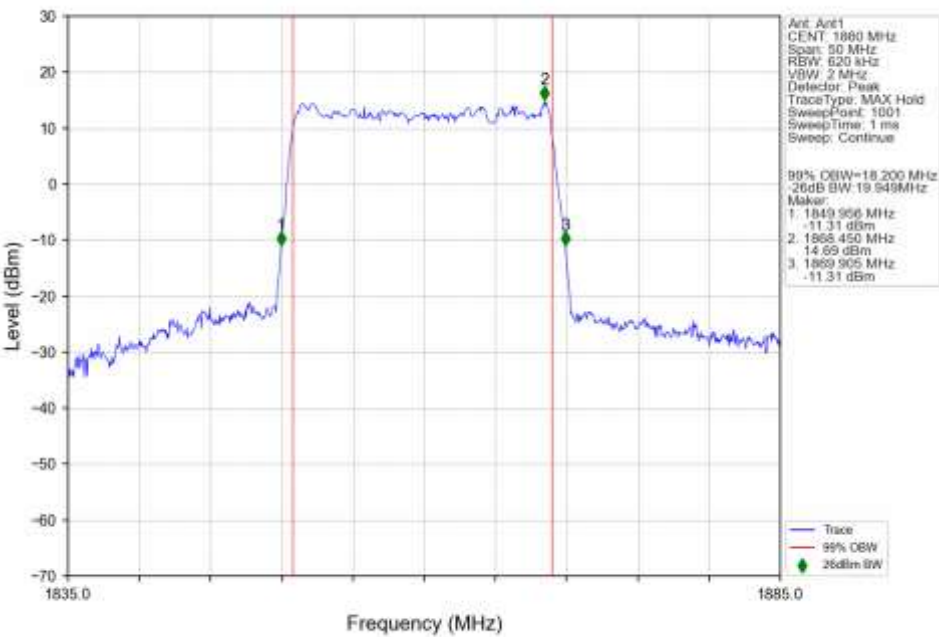
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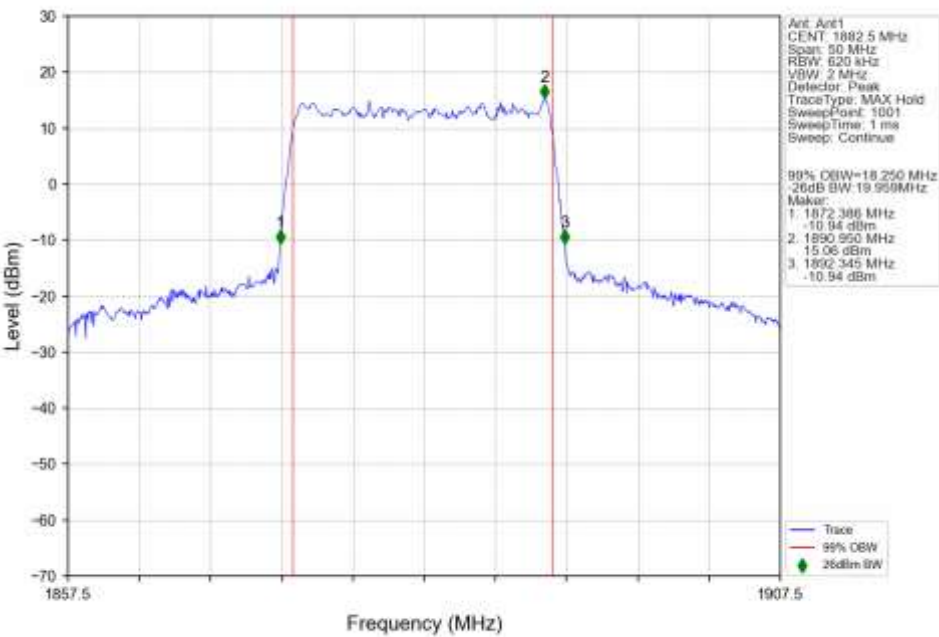
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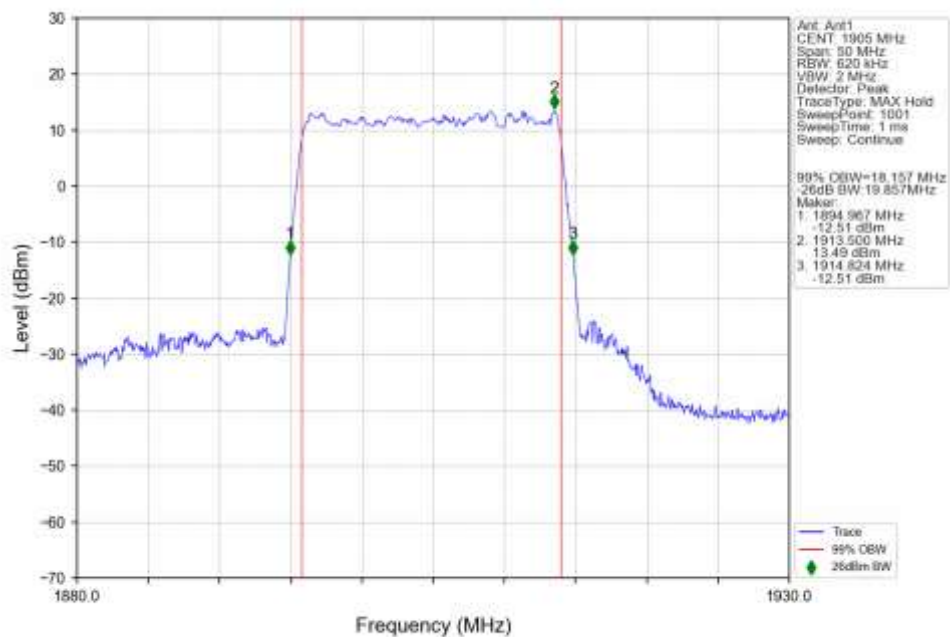
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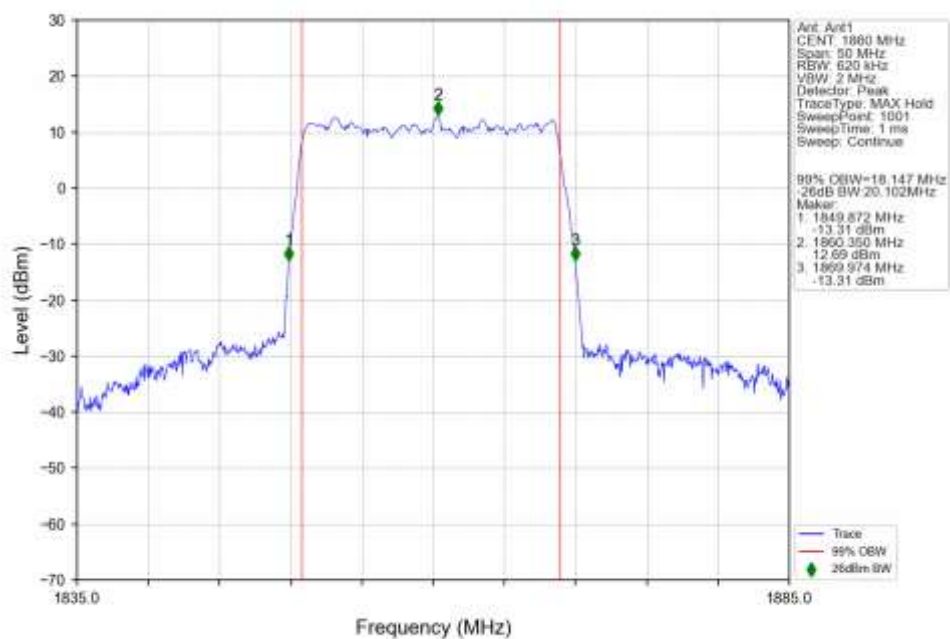
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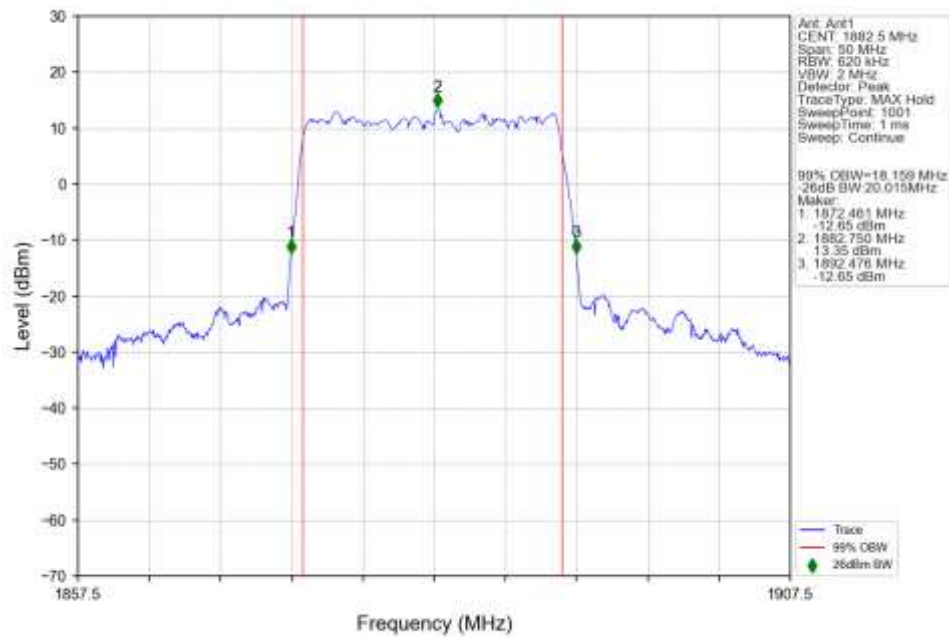
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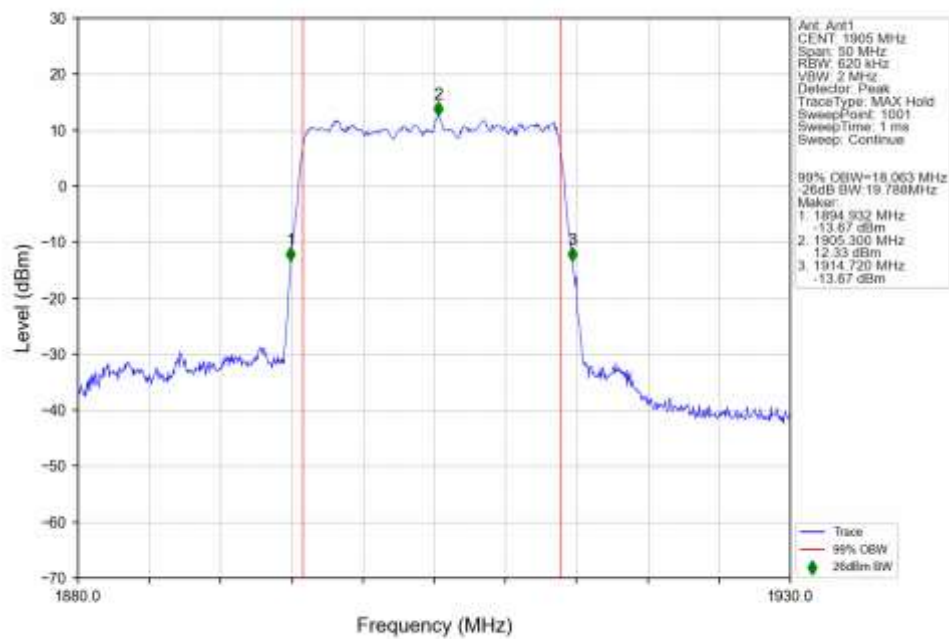
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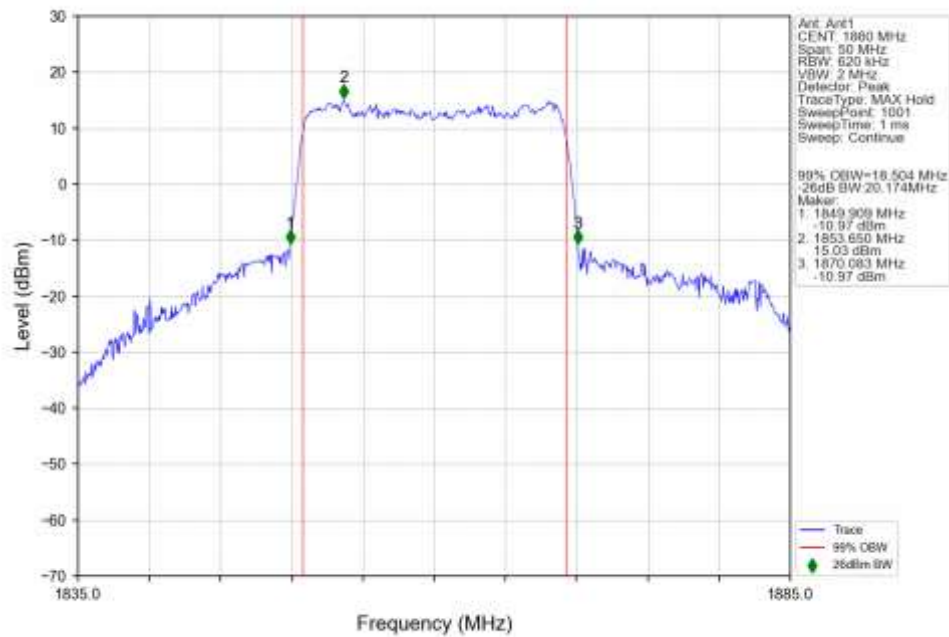
n25\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_1882.5MHz\_Outer\_Full\_Ant1



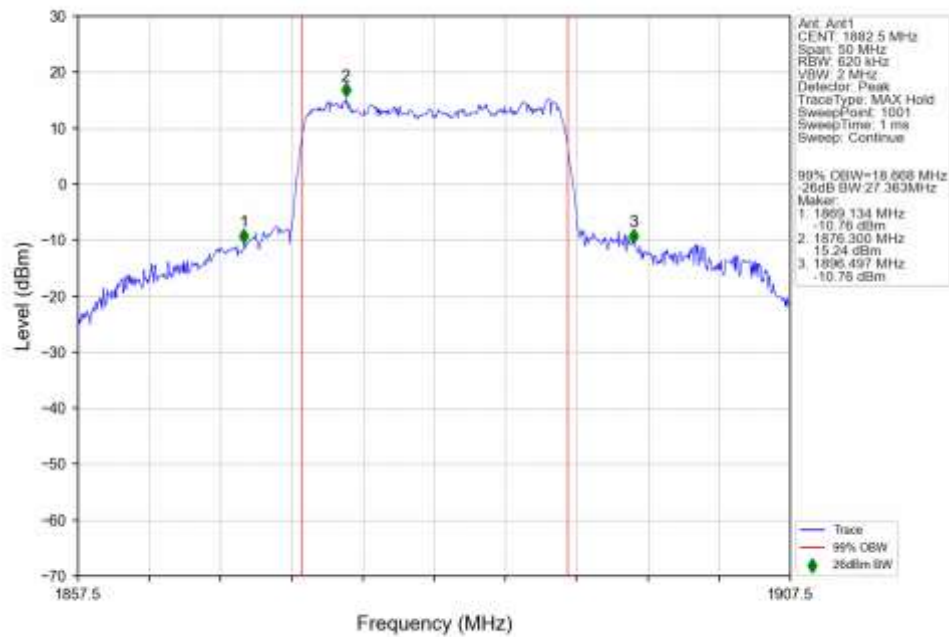
n25\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_1905MHz\_Outer\_Full\_Ant1



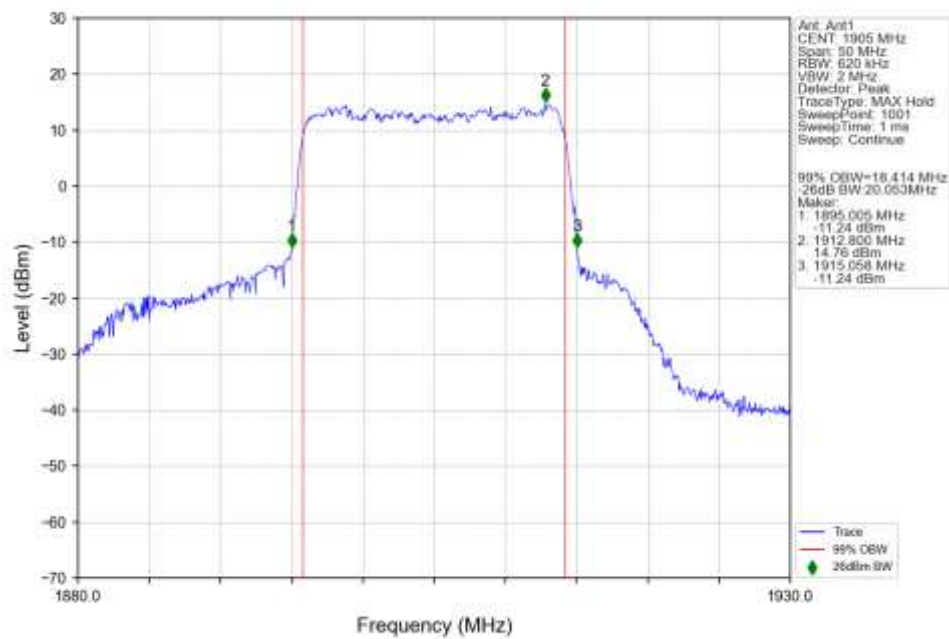
n25\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_1860MHz\_Outer\_Full\_Ant1



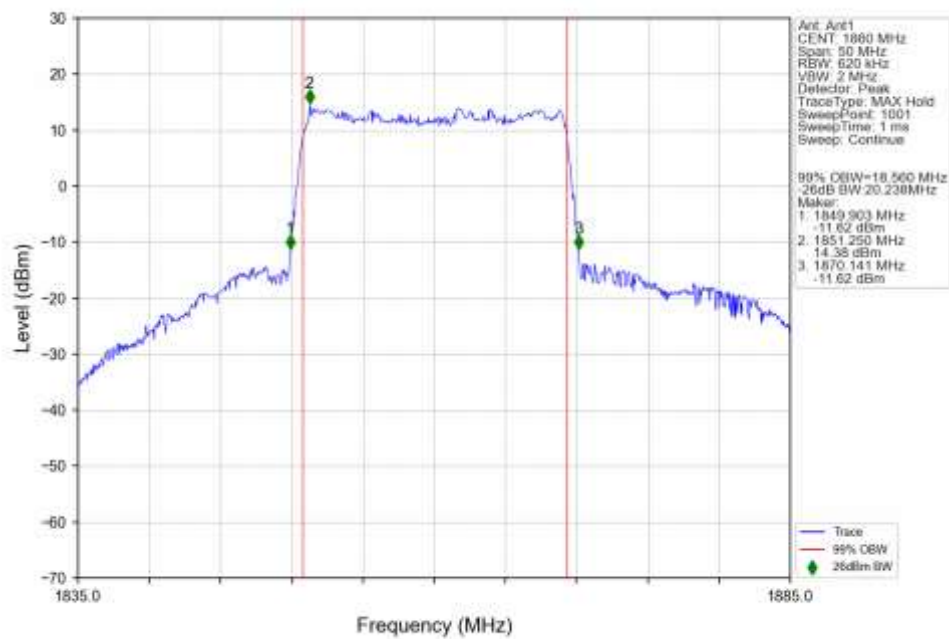
n25\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_1882.5MHz\_Outer\_Full\_Ant1



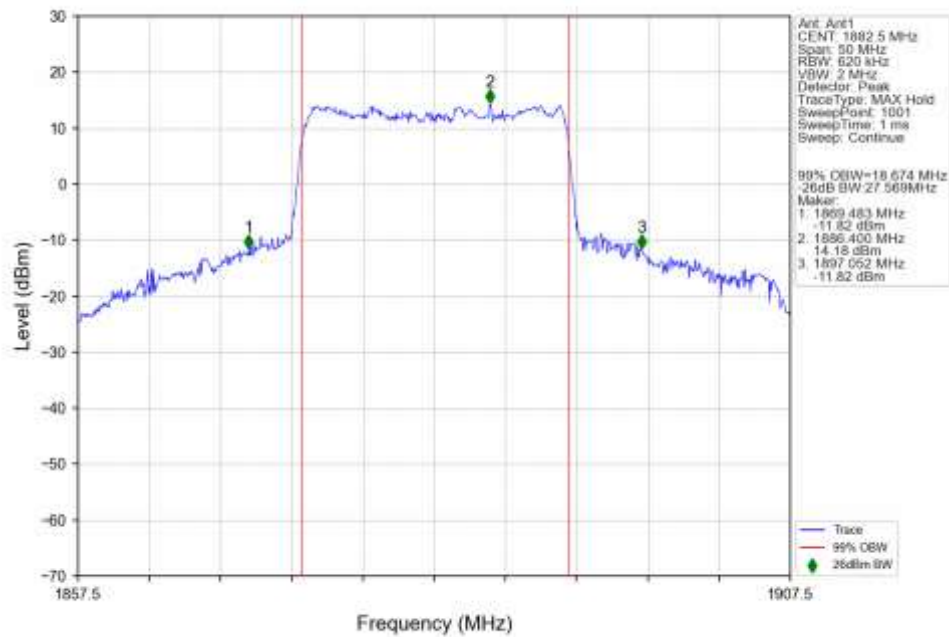
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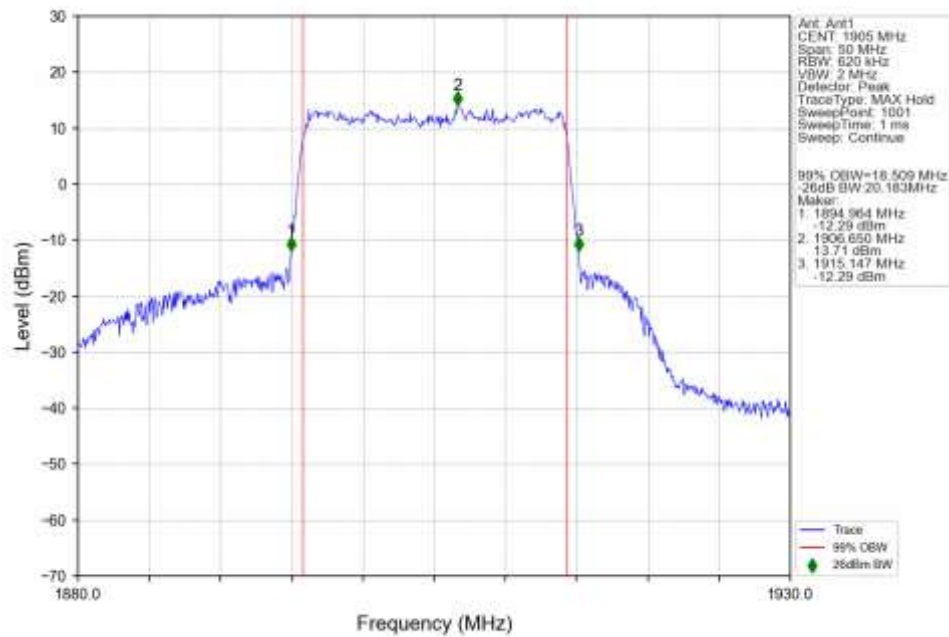
n25\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_16\_QAM\_1860MHz\_Outer\_Full\_Ant1



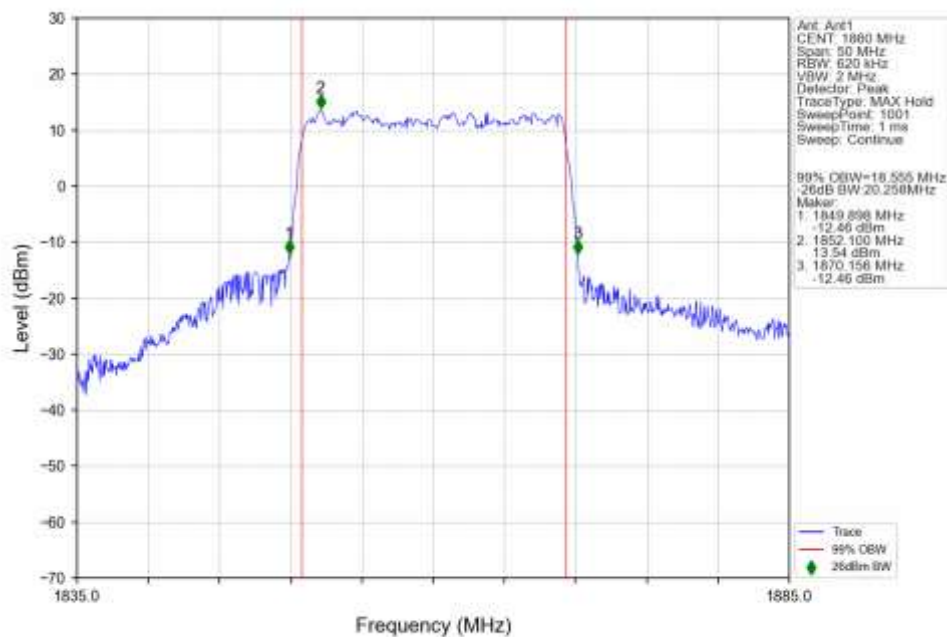
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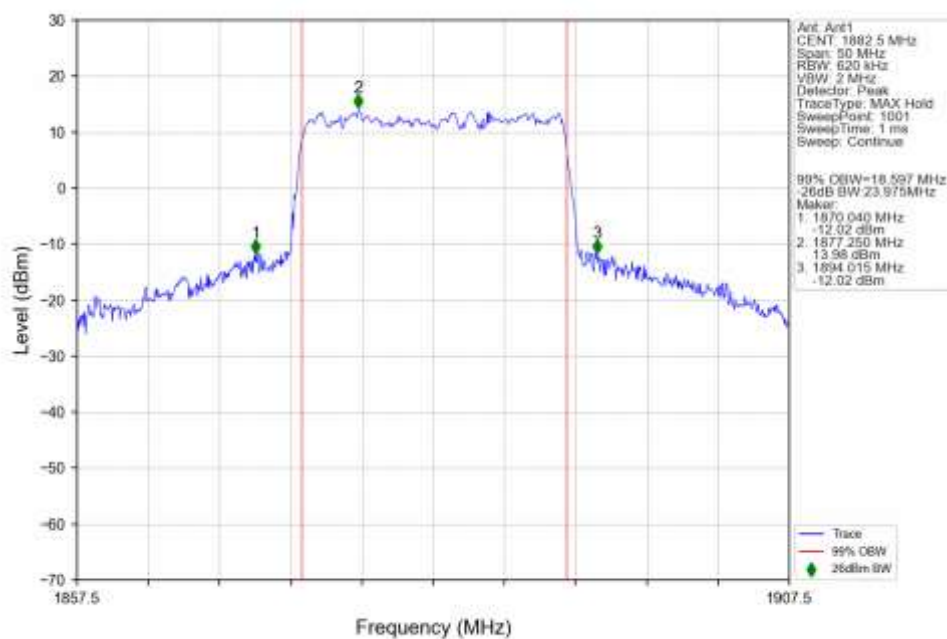
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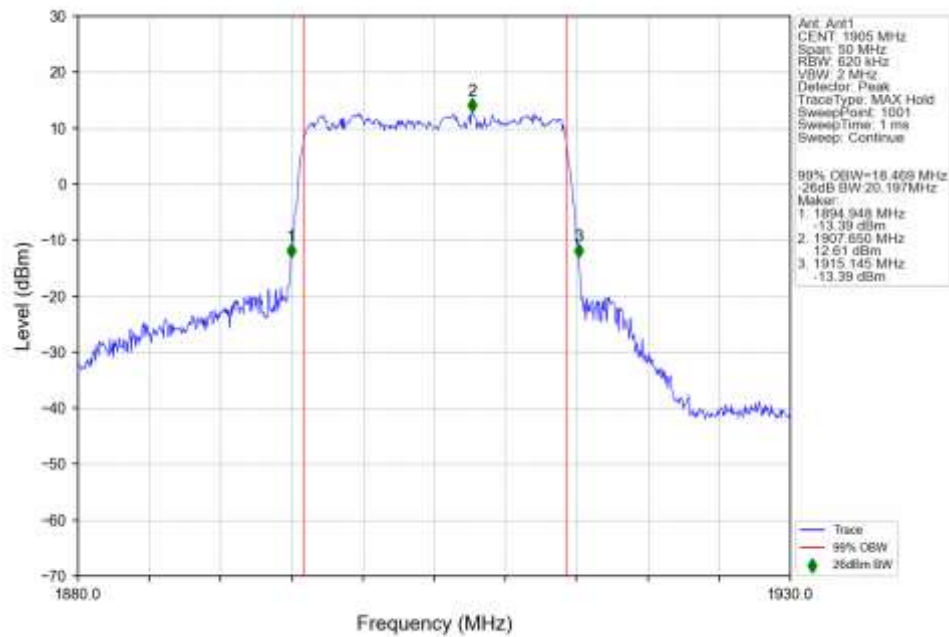
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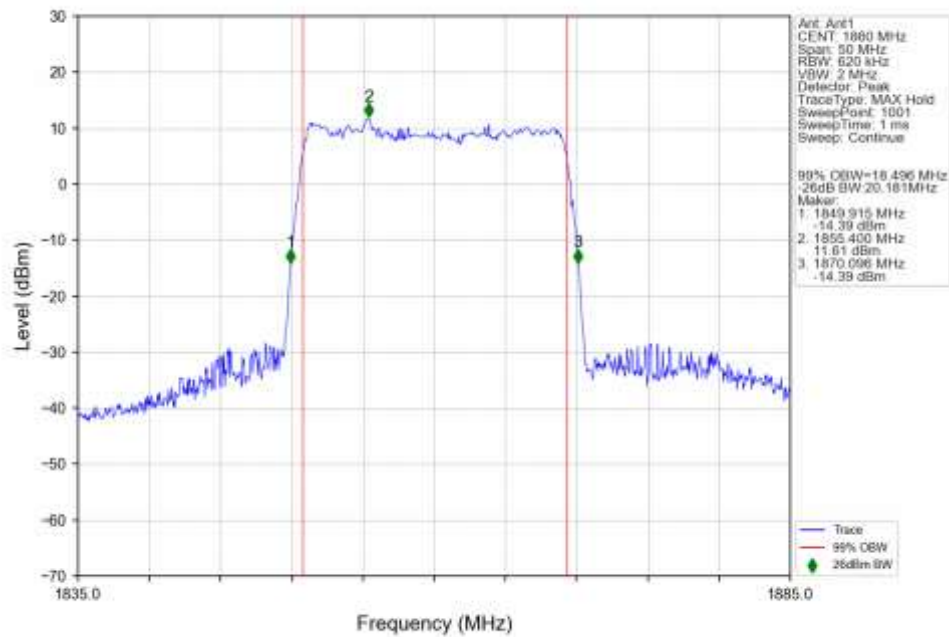
n25\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_64\_QAM\_1882.5MHz\_Outer\_Full\_Ant1



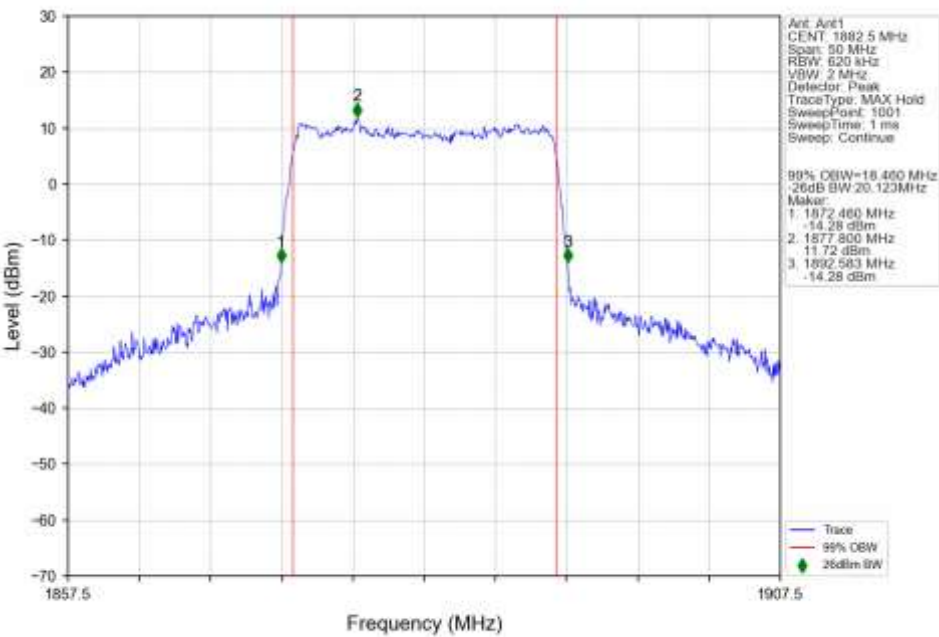
n25\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_64\_QAM\_1905MHz\_Outer\_Full\_Ant1



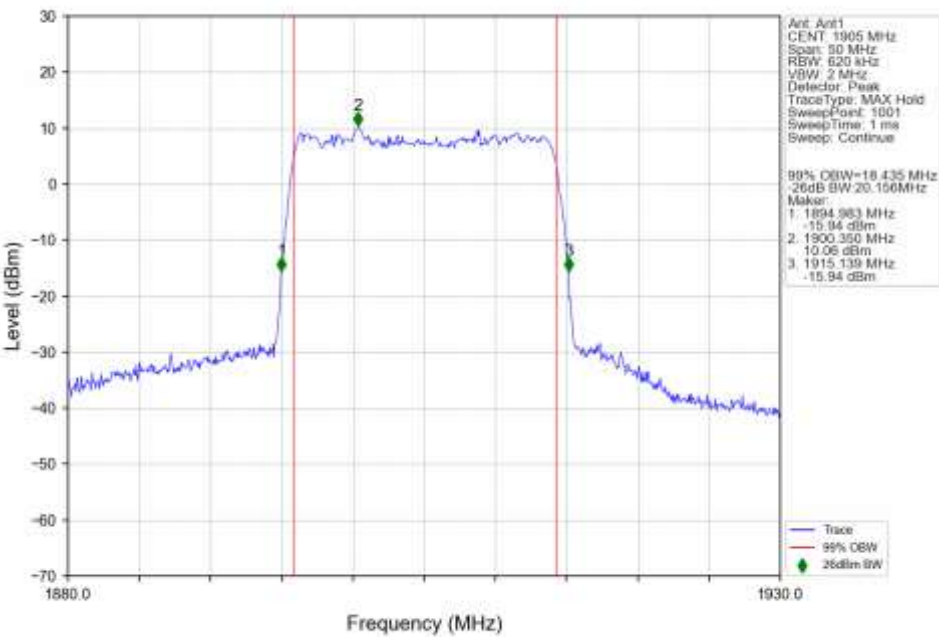
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n25\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_1882.5MHz\_Outer\_Full\_Ant1



n25\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_1905MHz\_Outer\_Full\_Ant1



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 15k\_SISO\_5MHz\_NTNV

| 5G NR n25 SCS=15kHz SISO 5MHz NTN |                 |               |                         |      |     |       |         |
|-----------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                   |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                   | 1852.5          | Outer Full    | 5.34                    | /    | /   | <=13  | Pass    |
|                                   | 1882.5          | Outer Full    | 5.22                    | /    | /   | <=13  | Pass    |
|                                   | 1912.5          | Outer Full    | 5.03                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                 | 1852.5          | Outer Full    | 5.95                    | /    | /   | <=13  | Pass    |
|                                   | 1882.5          | Outer Full    | 5.91                    | /    | /   | <=13  | Pass    |
|                                   | 1912.5          | Outer Full    | 5.76                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                 | 1852.5          | Outer Full    | 6.25                    | /    | /   | <=13  | Pass    |
|                                   | 1882.5          | Outer Full    | 6.24                    | /    | /   | <=13  | Pass    |
|                                   | 1912.5          | Outer Full    | 6.02                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                | 1852.5          | Outer Full    | 6.73                    | /    | /   | <=13  | Pass    |
|                                   | 1882.5          | Outer Full    | 6.72                    | /    | /   | <=13  | Pass    |
|                                   | 1912.5          | Outer Full    | 6.63                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                      | 1852.5          | Outer Full    | 7.43                    | /    | /   | <=13  | Pass    |
|                                   | 1882.5          | Outer Full    | 7.40                    | /    | /   | <=13  | Pass    |
|                                   | 1912.5          | Outer Full    | 6.94                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                    | 1852.5          | Outer Full    | 7.59                    | /    | /   | <=13  | Pass    |
|                                   | 1882.5          | Outer Full    | 7.62                    | /    | /   | <=13  | Pass    |
|                                   | 1912.5          | Outer Full    | 7.26                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                    | 1852.5          | Outer Full    | 7.99                    | /    | /   | <=13  | Pass    |
|                                   | 1882.5          | Outer Full    | 8.02                    | /    | /   | <=13  | Pass    |
|                                   | 1912.5          | Outer Full    | 7.69                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                   | 1852.5          | Outer Full    | 8.47                    | /    | /   | <=13  | Pass    |
|                                   | 1882.5          | Outer Full    | 8.34                    | /    | /   | <=13  | Pass    |
|                                   | 1912.5          | Outer Full    | 8.35                    | /    | /   | <=13  | Pass    |

#### 5.1.2 15k\_SISO\_10MHz\_NTNV

| 5G NR n25 SCS=15kHz SISO 10MHz NTN |                 |               |                         |      |     |       |         |
|------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                    |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1855            | Outer Full    | 5.05                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 5.08                    | /    | /   | <=13  | Pass    |
|                                    | 1910            | Outer Full    | 5.04                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                  | 1855            | Outer Full    | 5.89                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 5.95                    | /    | /   | <=13  | Pass    |
|                                    | 1910            | Outer Full    | 5.83                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                  | 1855            | Outer Full    | 6.16                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 6.26                    | /    | /   | <=13  | Pass    |
|                                    | 1910            | Outer Full    | 6.10                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                 | 1855            | Outer Full    | 6.42                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 6.45                    | /    | /   | <=13  | Pass    |
|                                    | 1910            | Outer Full    | 6.41                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                       | 1855            | Outer Full    | 7.25                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 7.47                    | /    | /   | <=13  | Pass    |

|                 |        |            |      |   |   |      |      |
|-----------------|--------|------------|------|---|---|------|------|
|                 | 1910   | Outer Full | 7.12 | / | / | <=13 | Pass |
| CP-OFDM 16 QAM  | 1855   | Outer Full | 7.60 | / | / | <=13 | Pass |
|                 | 1882.5 | Outer Full | 7.82 | / | / | <=13 | Pass |
|                 | 1910   | Outer Full | 7.49 | / | / | <=13 | Pass |
| CP-OFDM 64 QAM  | 1855   | Outer Full | 7.77 | / | / | <=13 | Pass |
|                 | 1882.5 | Outer Full | 7.92 | / | / | <=13 | Pass |
|                 | 1910   | Outer Full | 7.63 | / | / | <=13 | Pass |
| CP-OFDM 256 QAM | 1855   | Outer Full | 8.40 | / | / | <=13 | Pass |
|                 | 1882.5 | Outer Full | 8.37 | / | / | <=13 | Pass |
|                 | 1910   | Outer Full | 8.35 | / | / | <=13 | Pass |

### 5.1.3 15k\_SISO\_15MHz\_NTNV

| 5G NR n25 SCS=15kHz SISO 15MHz NTN |                 |               |                         |      |     |       |         |
|------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                    |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1857.5          | Outer Full    | 4.97                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 4.79                    | /    | /   | <=13  | Pass    |
|                                    | 1907.5          | Outer Full    | 5.40                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                  | 1857.5          | Outer Full    | 5.84                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 5.65                    | /    | /   | <=13  | Pass    |
|                                    | 1907.5          | Outer Full    | 6.13                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                  | 1857.5          | Outer Full    | 6.23                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 6.06                    | /    | /   | <=13  | Pass    |
|                                    | 1907.5          | Outer Full    | 6.41                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                 | 1857.5          | Outer Full    | 6.51                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 6.41                    | /    | /   | <=13  | Pass    |
|                                    | 1907.5          | Outer Full    | 6.64                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                       | 1857.5          | Outer Full    | 7.29                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 6.97                    | /    | /   | <=13  | Pass    |
|                                    | 1907.5          | Outer Full    | 7.55                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                     | 1857.5          | Outer Full    | 7.57                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 7.32                    | /    | /   | <=13  | Pass    |
|                                    | 1907.5          | Outer Full    | 7.79                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                     | 1857.5          | Outer Full    | 7.69                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 7.53                    | /    | /   | <=13  | Pass    |
|                                    | 1907.5          | Outer Full    | 7.80                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                    | 1857.5          | Outer Full    | 8.48                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 8.27                    | /    | /   | <=13  | Pass    |
|                                    | 1907.5          | Outer Full    | 8.50                    | /    | /   | <=13  | Pass    |

### 5.1.4 15k\_SISO\_20MHz\_NTNV

| 5G NR n25 SCS=15kHz SISO 20MHz NTN |                 |               |                         |      |     |       |         |
|------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                    |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1860            | Outer Full    | 6.46                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 5.00                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 5.43                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                  | 1860            | Outer Full    | 5.94                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 5.79                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 6.05                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                  | 1860            | Outer Full    | 6.91                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 6.27                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 6.44                    | /    | /   | <=13  | Pass    |

|                    |        |            |       |   |   |      |      |
|--------------------|--------|------------|-------|---|---|------|------|
| DFT-s-OFDM 256 QAM | 1860   | Outer Full | 9.72  | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 6.59  | / | / | <=13 | Pass |
|                    | 1905   | Outer Full | 8.39  | / | / | <=13 | Pass |
| CP-OFDM QPSK       | 1860   | Outer Full | 9.06  | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 7.27  | / | / | <=13 | Pass |
|                    | 1905   | Outer Full | 7.48  | / | / | <=13 | Pass |
| CP-OFDM 16 QAM     | 1860   | Outer Full | 7.80  | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 7.45  | / | / | <=13 | Pass |
|                    | 1905   | Outer Full | 7.73  | / | / | <=13 | Pass |
| CP-OFDM 64 QAM     | 1860   | Outer Full | 11.01 | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 7.78  | / | / | <=13 | Pass |
|                    | 1905   | Outer Full | 7.92  | / | / | <=13 | Pass |
| CP-OFDM 256 QAM    | 1860   | Outer Full | 8.71  | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 8.28  | / | / | <=13 | Pass |
|                    | 1905   | Outer Full | 8.41  | / | / | <=13 | Pass |

### 5.1.5 30k\_SISO\_10MHz\_NTNV

| 5G NR n25 SCS=30kHz SISO 10MHz NTNV |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 1855            | Outer Full    | 5.20                    | /    | /   | <=13  | Pass    |
|                                     | 1882.5          | Outer Full    | 4.27                    | /    | /   | <=13  | Pass    |
|                                     | 1910            | Outer Full    | 4.95                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 1855            | Outer Full    | 6.00                    | /    | /   | <=13  | Pass    |
|                                     | 1882.5          | Outer Full    | 5.13                    | /    | /   | <=13  | Pass    |
|                                     | 1910            | Outer Full    | 5.81                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 1855            | Outer Full    | 6.24                    | /    | /   | <=13  | Pass    |
|                                     | 1882.5          | Outer Full    | 5.49                    | /    | /   | <=13  | Pass    |
|                                     | 1910            | Outer Full    | 6.07                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 1855            | Outer Full    | 6.66                    | /    | /   | <=13  | Pass    |
|                                     | 1882.5          | Outer Full    | 6.14                    | /    | /   | <=13  | Pass    |
|                                     | 1910            | Outer Full    | 6.51                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 1855            | Outer Full    | 7.40                    | /    | /   | <=13  | Pass    |
|                                     | 1882.5          | Outer Full    | 6.28                    | /    | /   | <=13  | Pass    |
|                                     | 1910            | Outer Full    | 6.93                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 1855            | Outer Full    | 7.38                    | /    | /   | <=13  | Pass    |
|                                     | 1882.5          | Outer Full    | 6.48                    | /    | /   | <=13  | Pass    |
|                                     | 1910            | Outer Full    | 7.06                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 1855            | Outer Full    | 7.68                    | /    | /   | <=13  | Pass    |
|                                     | 1882.5          | Outer Full    | 6.80                    | /    | /   | <=13  | Pass    |
|                                     | 1910            | Outer Full    | 7.40                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 1855            | Outer Full    | 8.27                    | /    | /   | <=13  | Pass    |
|                                     | 1882.5          | Outer Full    | 7.73                    | /    | /   | <=13  | Pass    |
|                                     | 1910            | Outer Full    | 8.09                    | /    | /   | <=13  | Pass    |

### 5.1.6 30k\_SISO\_15MHz\_NTNV

| 5G NR n25 SCS=30kHz SISO 15MHz NTNV |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 1857.5          | Outer Full    | 5.34                    | /    | /   | <=13  | Pass    |
|                                     | 1882.5          | Outer Full    | 4.26                    | /    | /   | <=13  | Pass    |
|                                     | 1907.5          | Outer Full    | 5.23                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 1857.5          | Outer Full    | 6.04                    | /    | /   | <=13  | Pass    |

|                    |        |            |      |   |   |      |      |
|--------------------|--------|------------|------|---|---|------|------|
| DFT-s-OFDM 64 QAM  | 1882.5 | Outer Full | 5.04 | / | / | <=13 | Pass |
|                    | 1907.5 | Outer Full | 5.90 | / | / | <=13 | Pass |
|                    | 1857.5 | Outer Full | 6.33 | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 5.48 | / | / | <=13 | Pass |
|                    | 1907.5 | Outer Full | 6.22 | / | / | <=13 | Pass |
| DFT-s-OFDM 256 QAM | 1857.5 | Outer Full | 6.45 | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 6.03 | / | / | <=13 | Pass |
|                    | 1907.5 | Outer Full | 6.38 | / | / | <=13 | Pass |
| CP-OFDM QPSK       | 1857.5 | Outer Full | 7.43 | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 6.25 | / | / | <=13 | Pass |
|                    | 1907.5 | Outer Full | 7.29 | / | / | <=13 | Pass |
| CP-OFDM 16 QAM     | 1857.5 | Outer Full | 7.63 | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 6.56 | / | / | <=13 | Pass |
|                    | 1907.5 | Outer Full | 7.52 | / | / | <=13 | Pass |
| CP-OFDM 64 QAM     | 1857.5 | Outer Full | 7.85 | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 6.87 | / | / | <=13 | Pass |
|                    | 1907.5 | Outer Full | 7.59 | / | / | <=13 | Pass |
| CP-OFDM 256 QAM    | 1857.5 | Outer Full | 8.52 | / | / | <=13 | Pass |
|                    | 1882.5 | Outer Full | 7.98 | / | / | <=13 | Pass |
|                    | 1907.5 | Outer Full | 8.34 | / | / | <=13 | Pass |

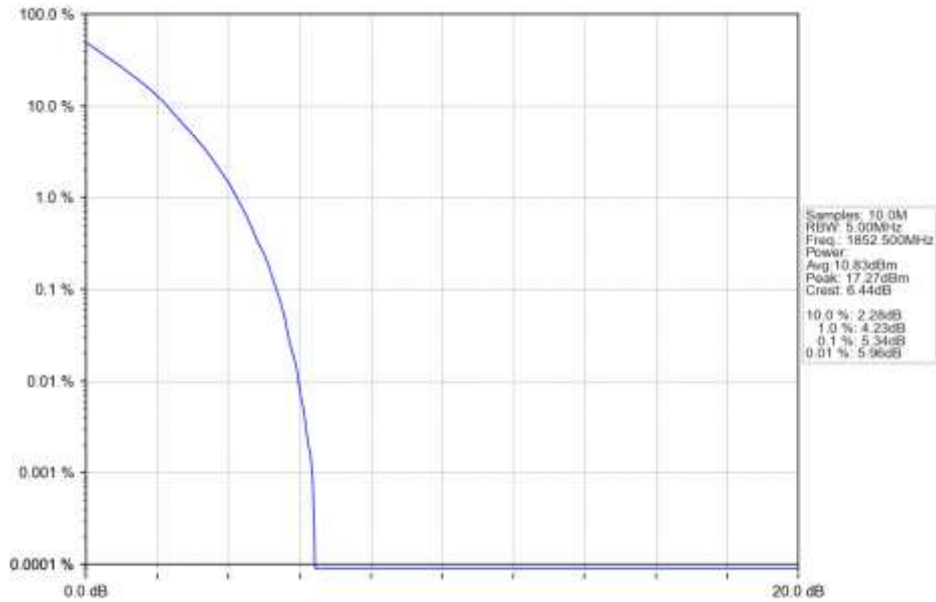
### 5.1.7 30k\_SISO\_20MHz\_NTNV

| 5G NR n25 SCS=30kHz SISO 20MHz NTN |                 |               |                         |      |     |       |         |
|------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                    |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                    | 1860            | Outer Full    | 5.30                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 4.51                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 5.58                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                  | 1860            | Outer Full    | 6.23                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 5.23                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 6.15                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                  | 1860            | Outer Full    | 6.40                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 5.62                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 6.32                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                 | 1860            | Outer Full    | 6.51                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 6.35                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 6.49                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                       | 1860            | Outer Full    | 7.80                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 6.75                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 7.59                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                     | 1860            | Outer Full    | 7.90                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 7.03                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 7.92                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                     | 1860            | Outer Full    | 8.02                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 7.28                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 8.05                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                    | 1860            | Outer Full    | 8.68                    | /    | /   | <=13  | Pass    |
|                                    | 1882.5          | Outer Full    | 8.47                    | /    | /   | <=13  | Pass    |
|                                    | 1905            | Outer Full    | 8.79                    | /    | /   | <=13  | Pass    |

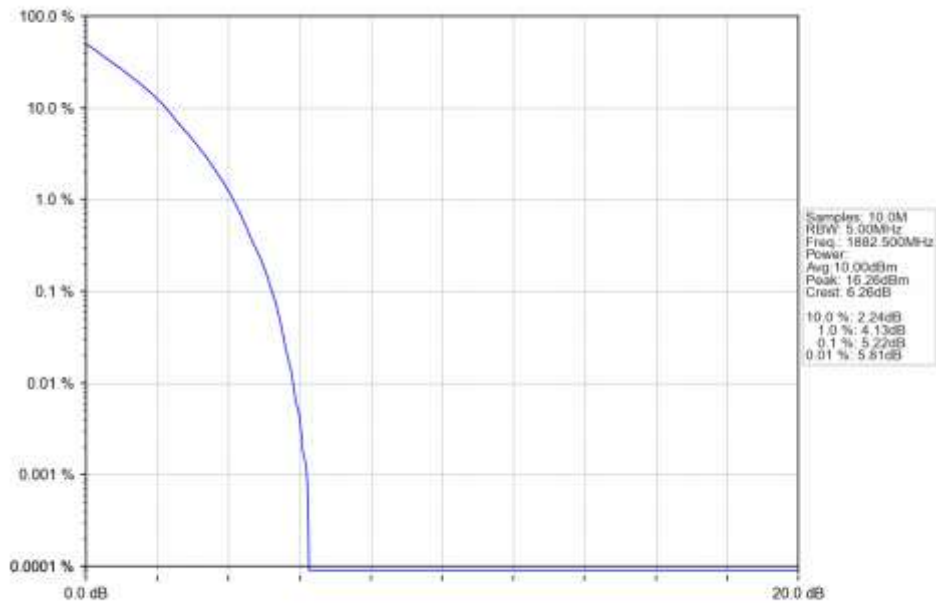
## 5.2 Test Graph

### 5.2.1 15k\_SISO\_5MHz\_NTNV

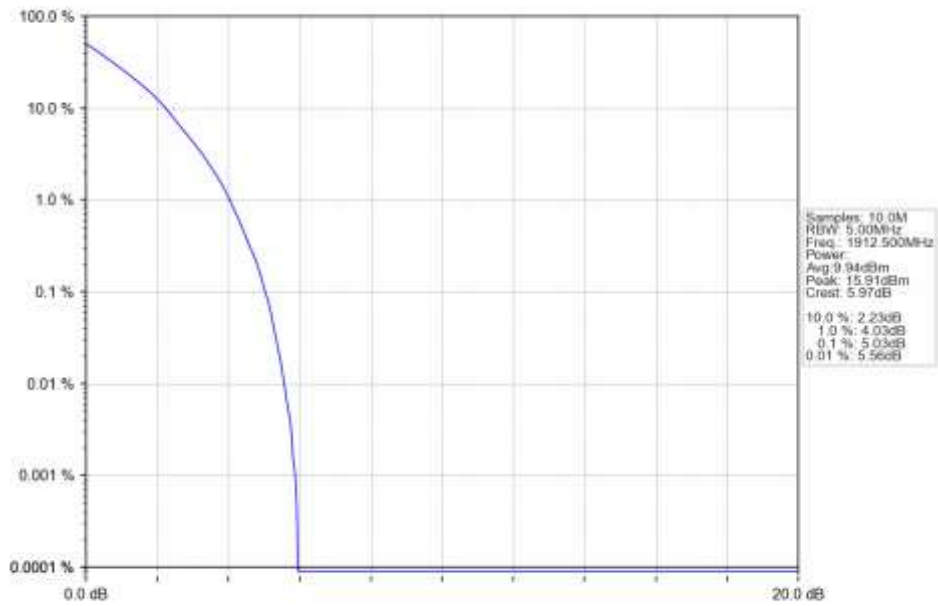
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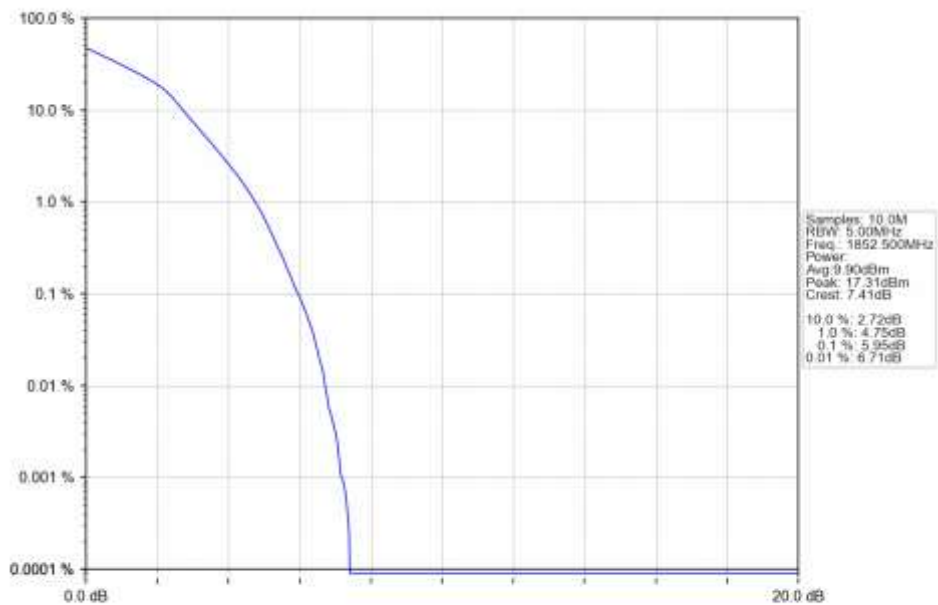
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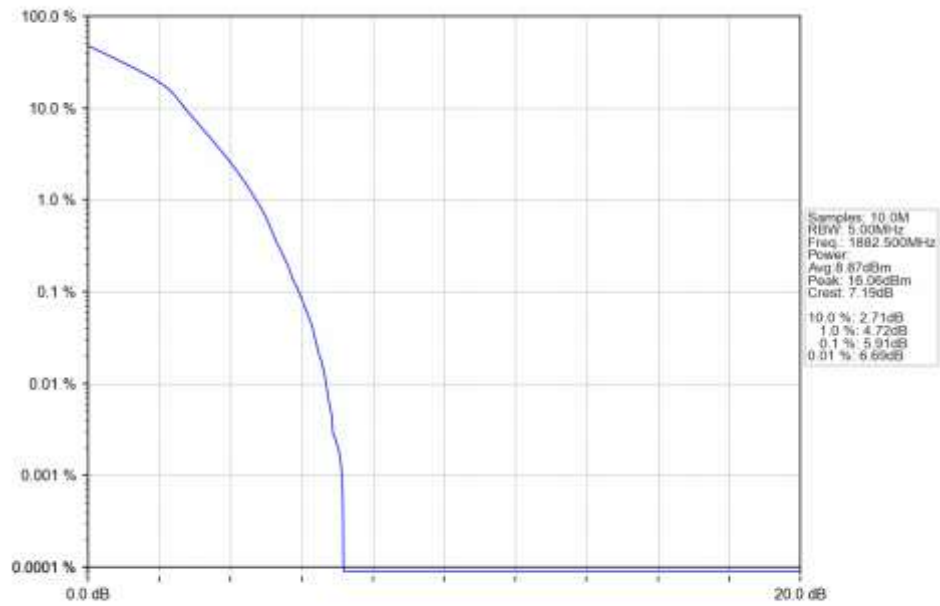
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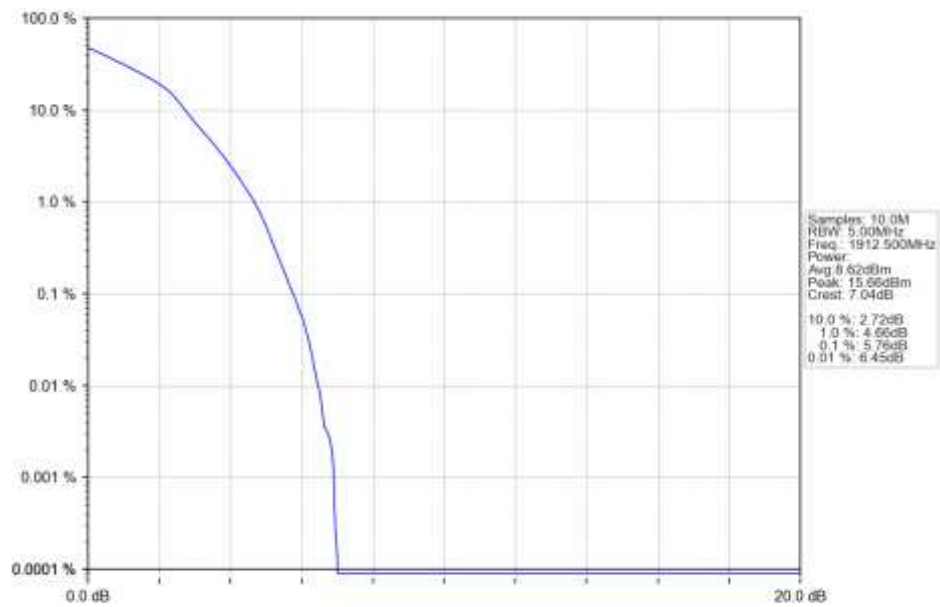
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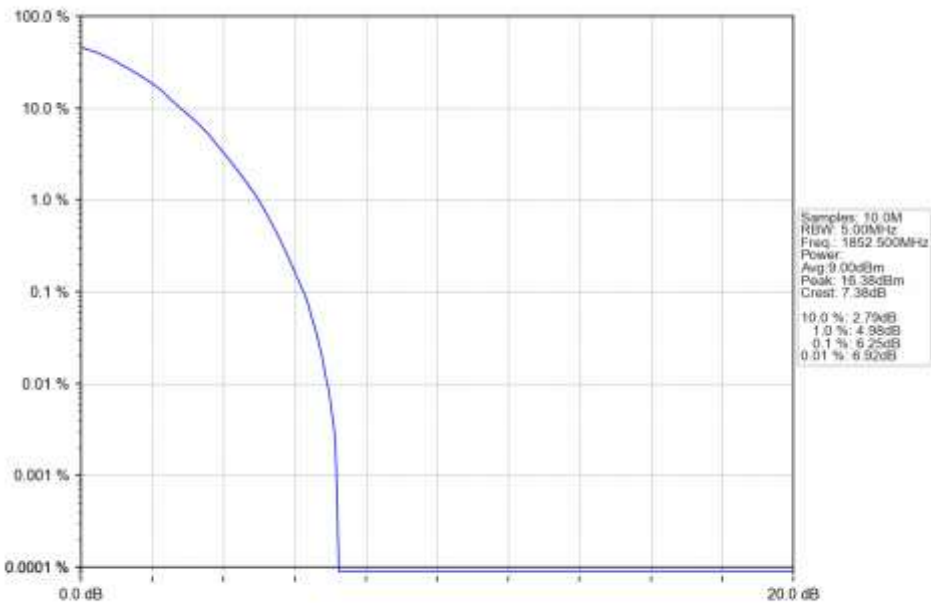
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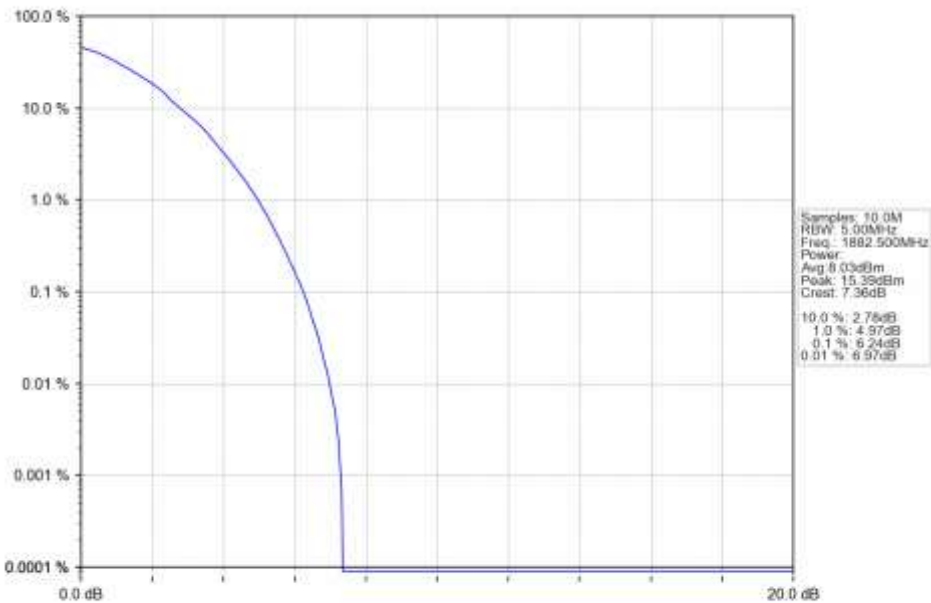
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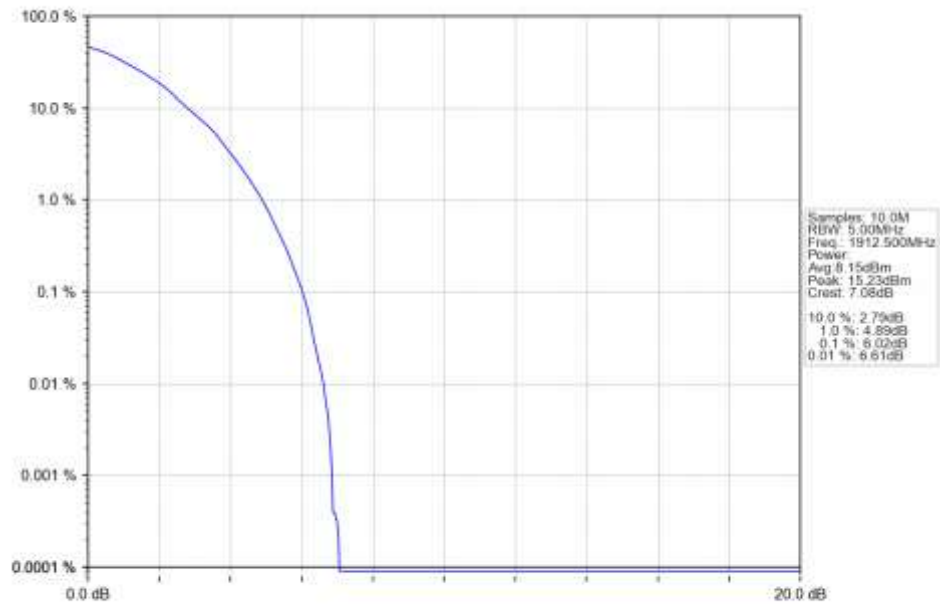
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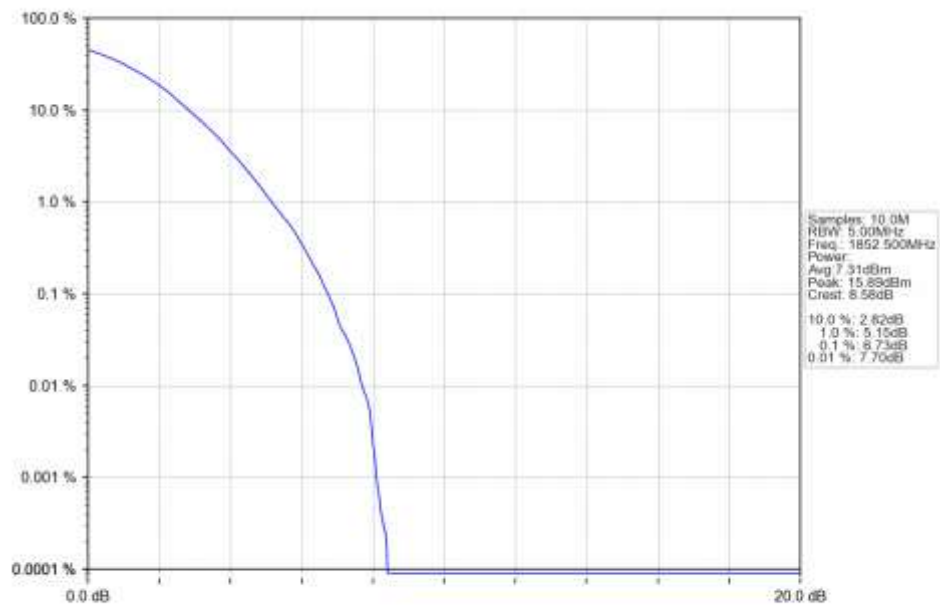
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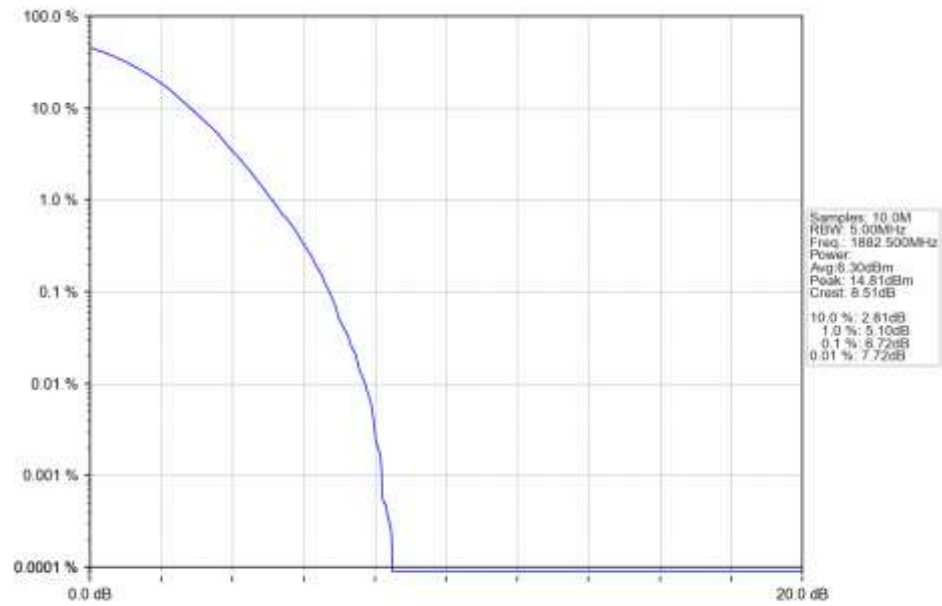
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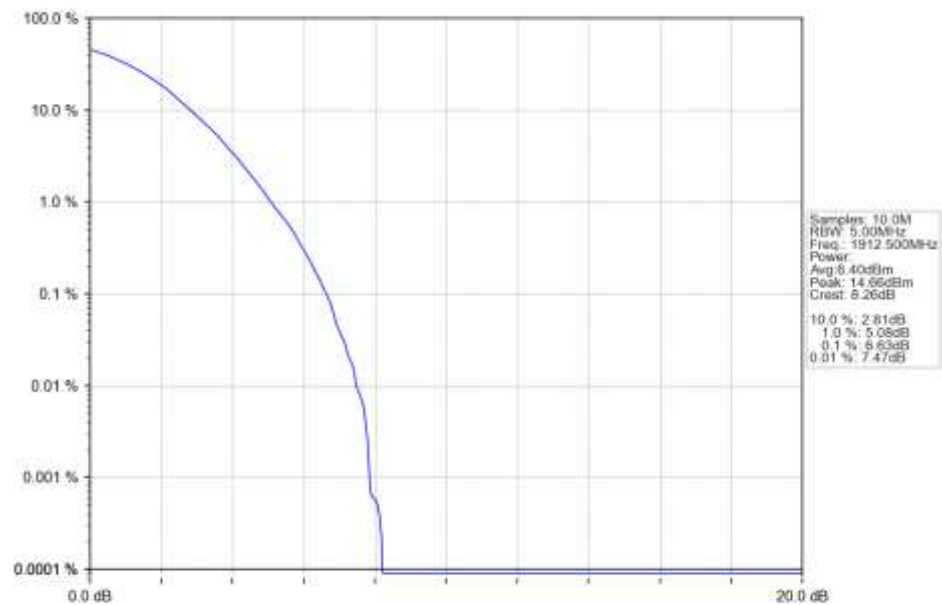
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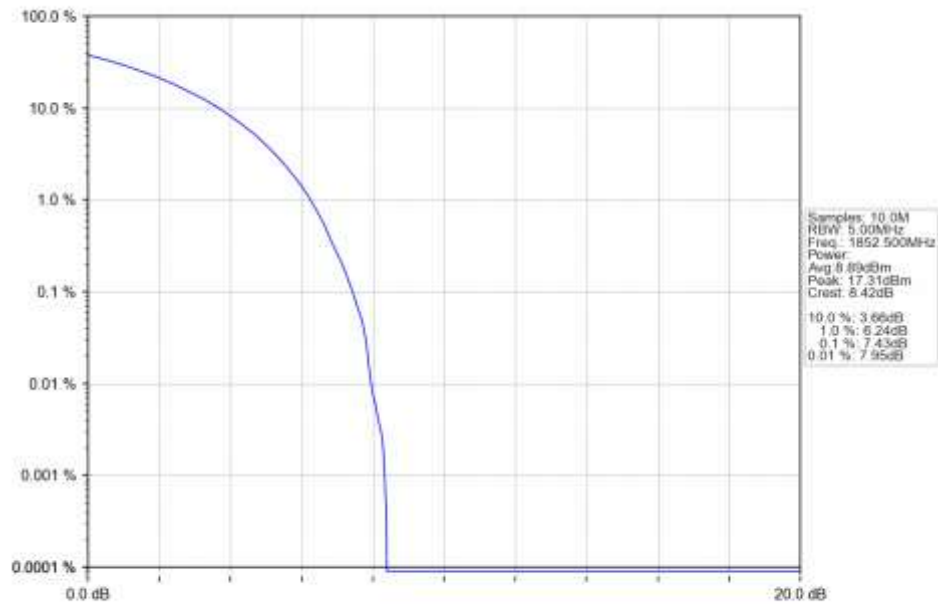
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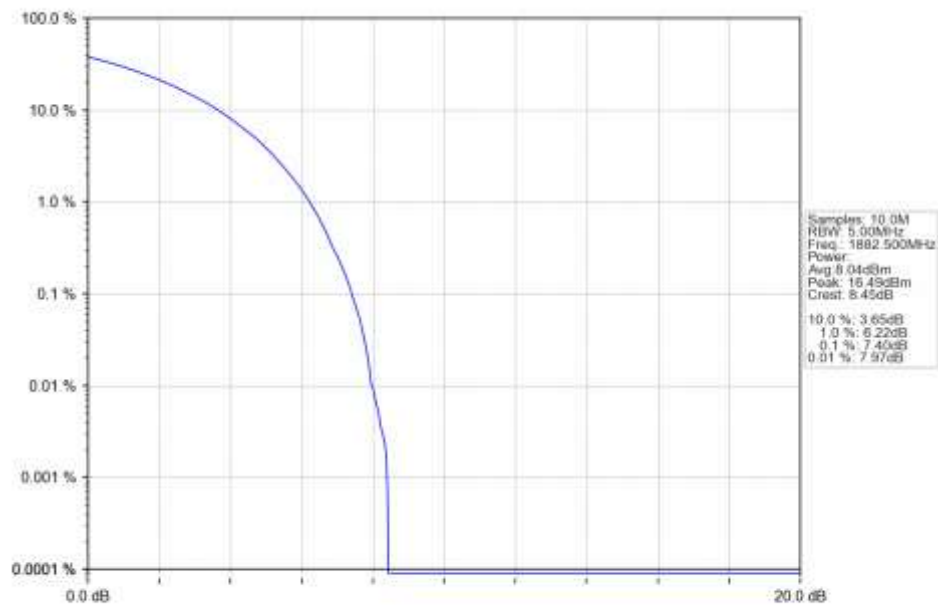
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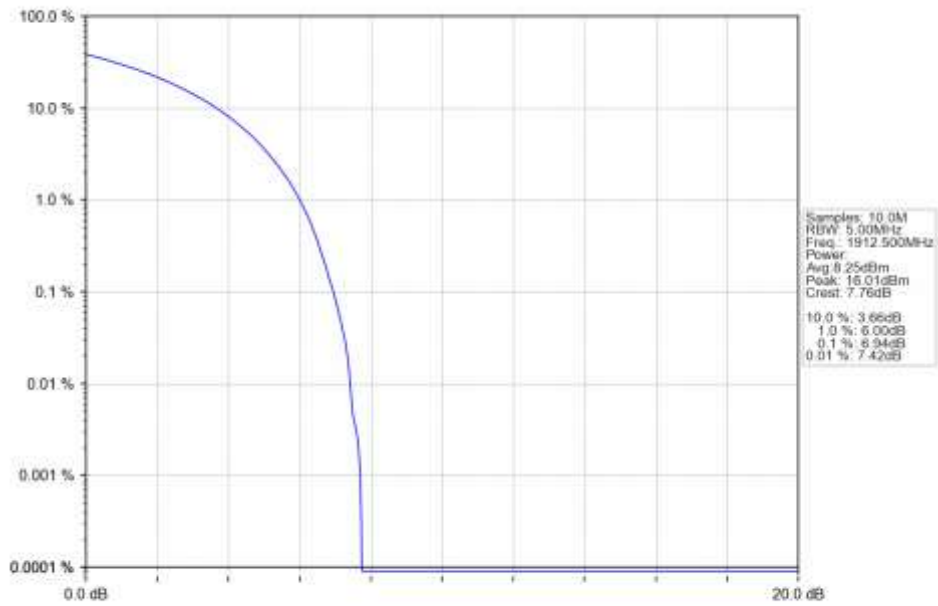
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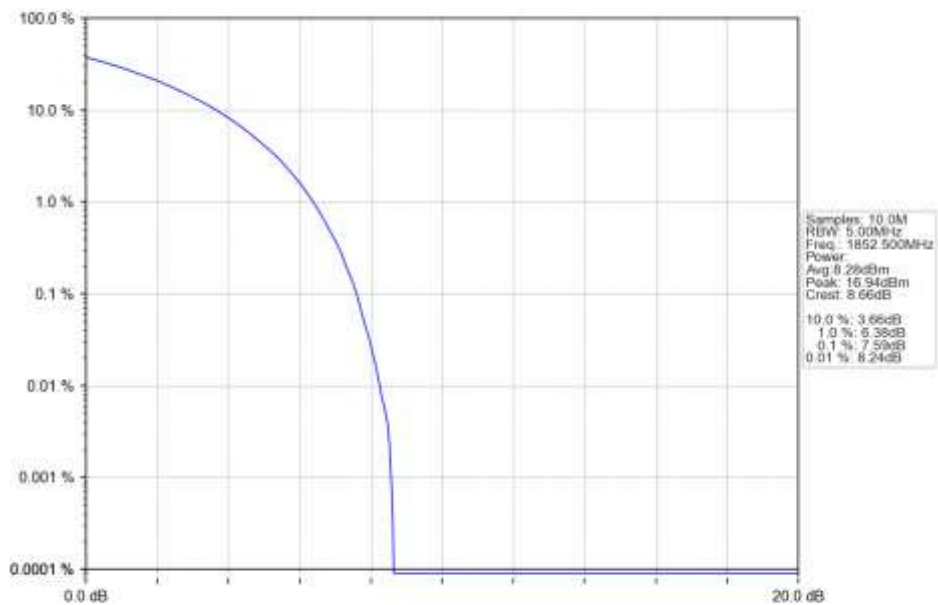
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n25\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1912.5MHz\_Outer\_Full\_Ant1



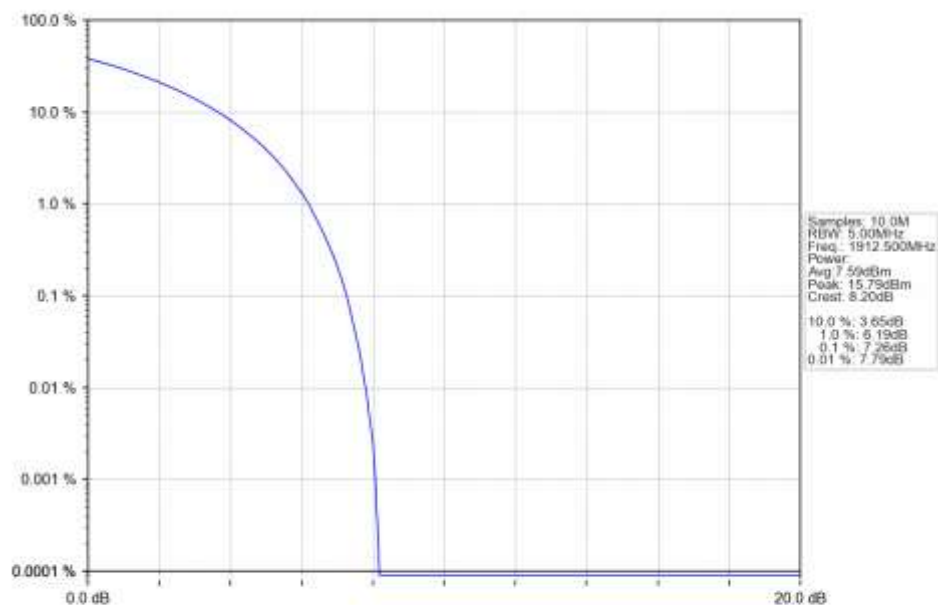
n25\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 16 QAM\_1852.5MHz\_Outer\_Full\_Ant1



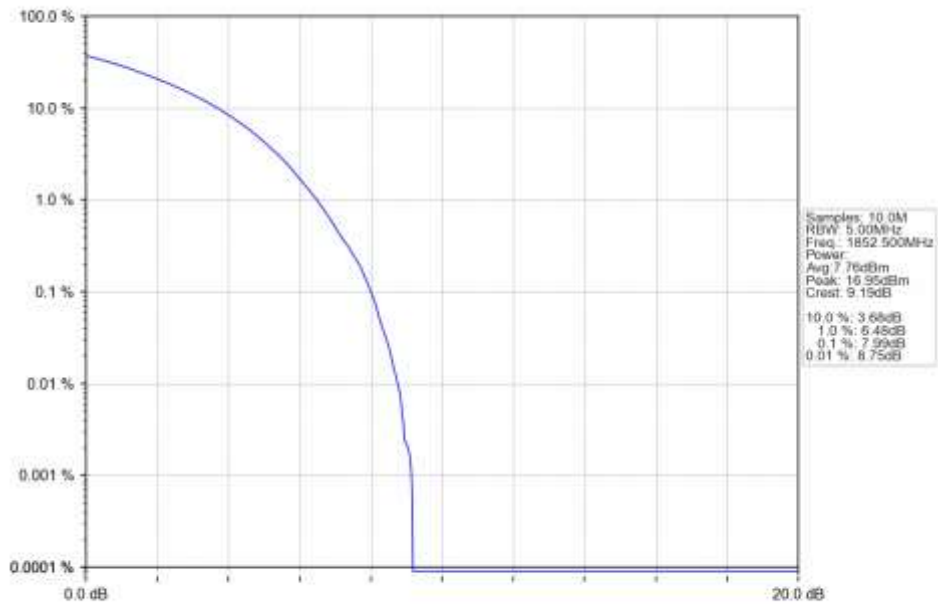
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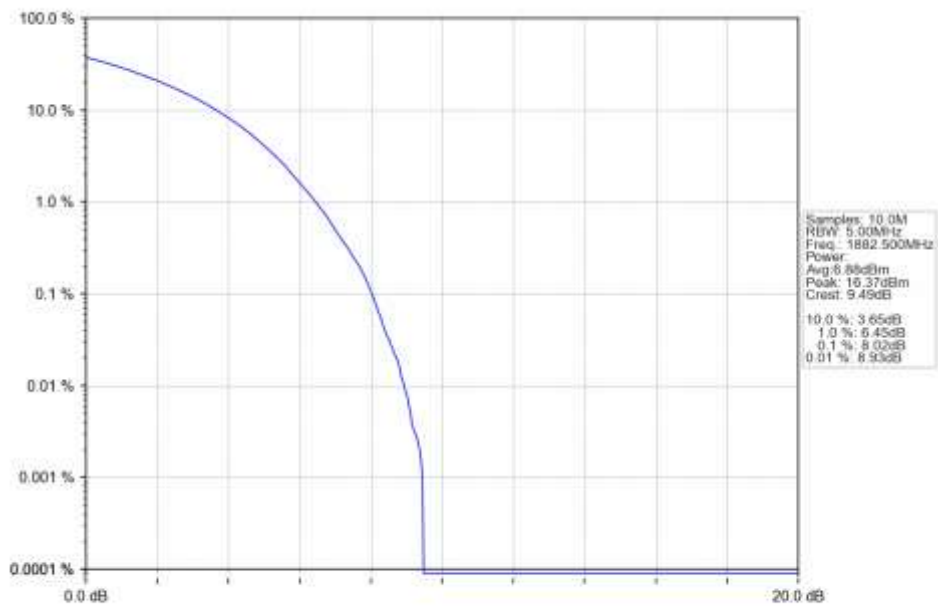
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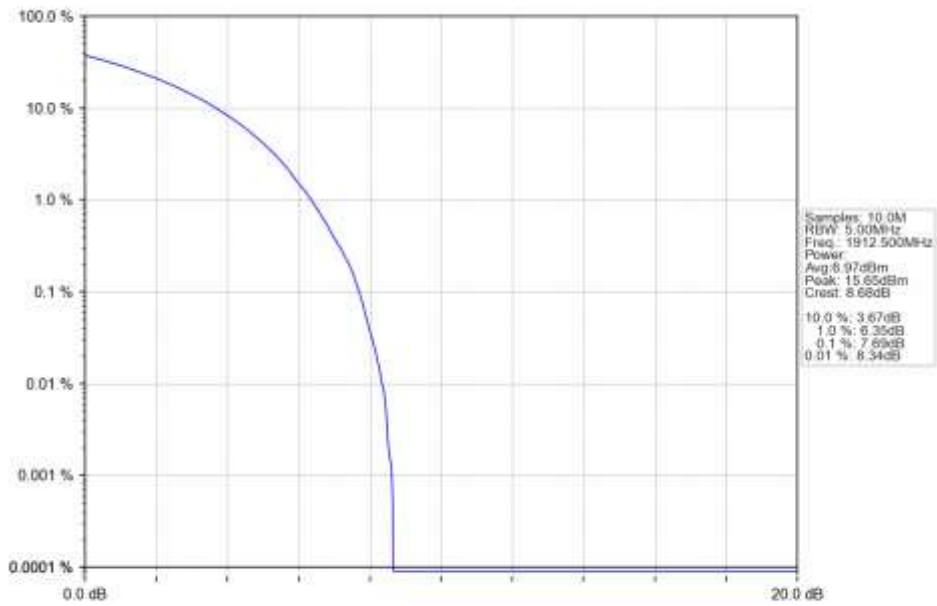
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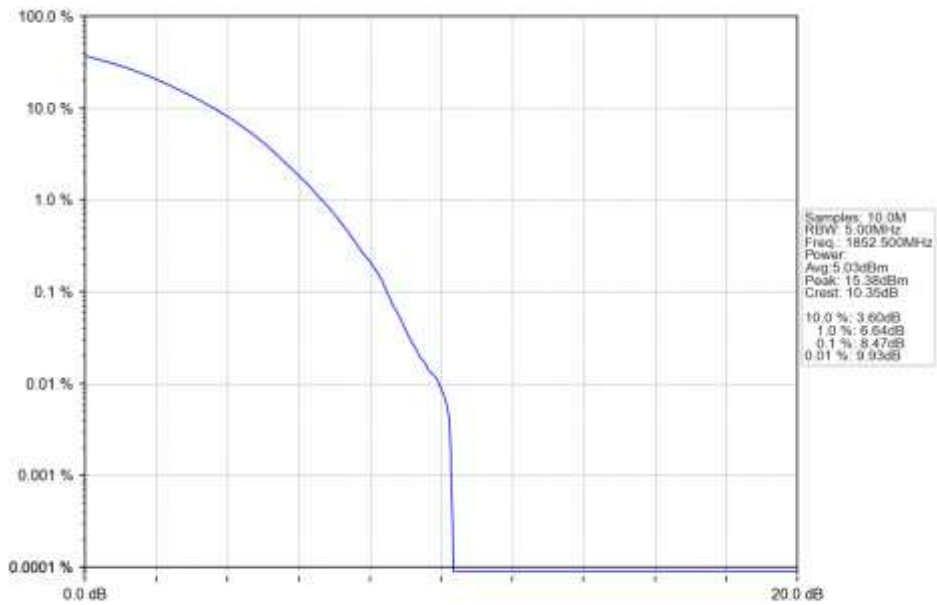
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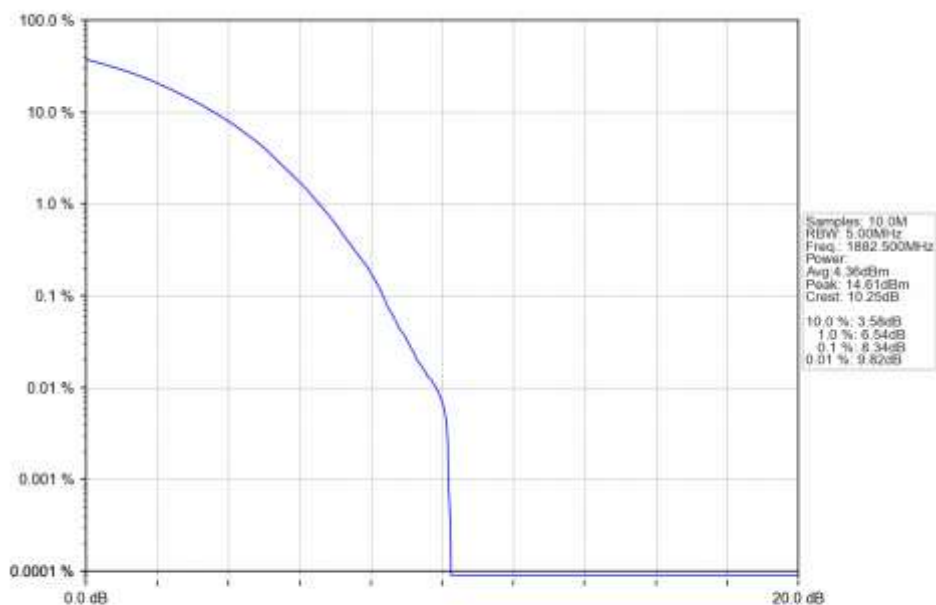
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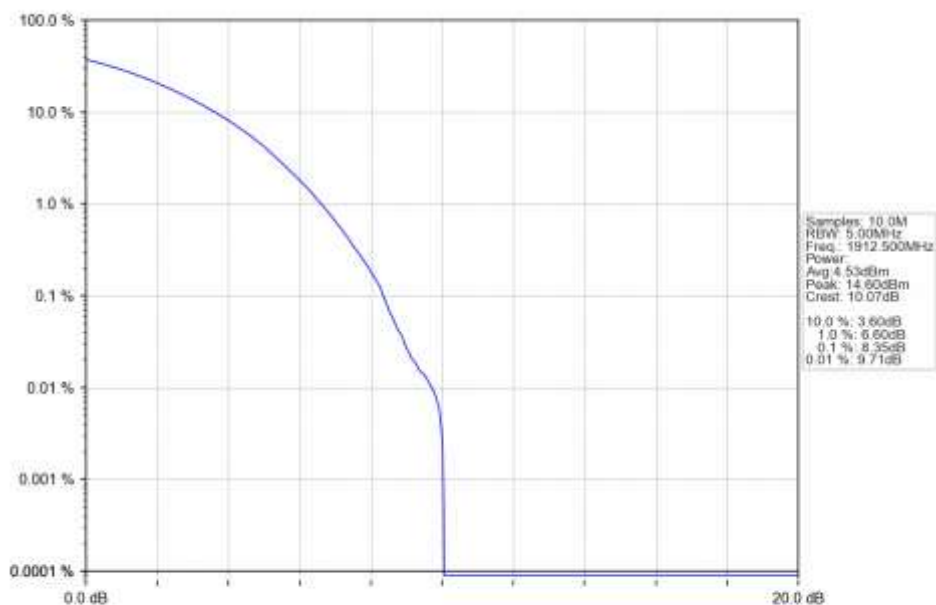
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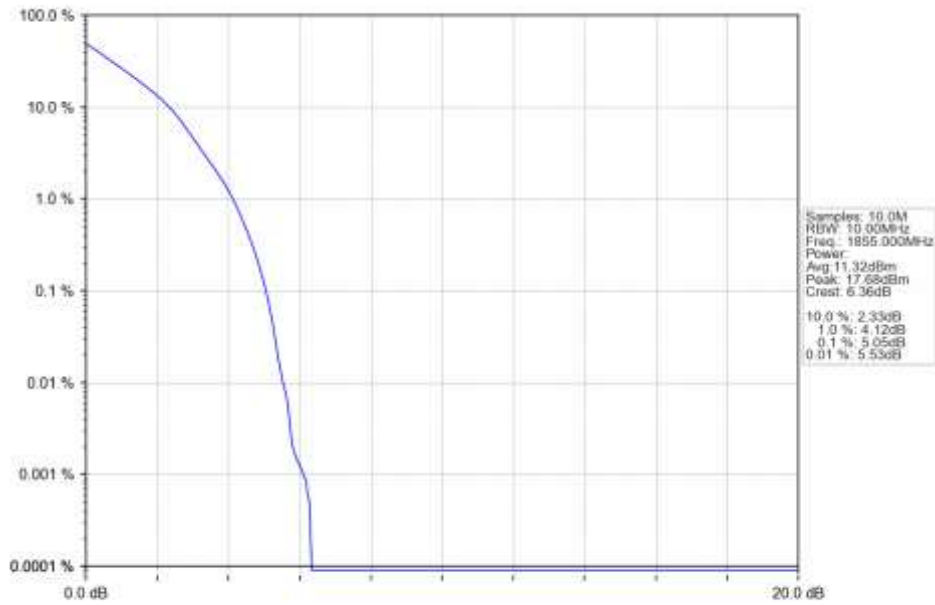


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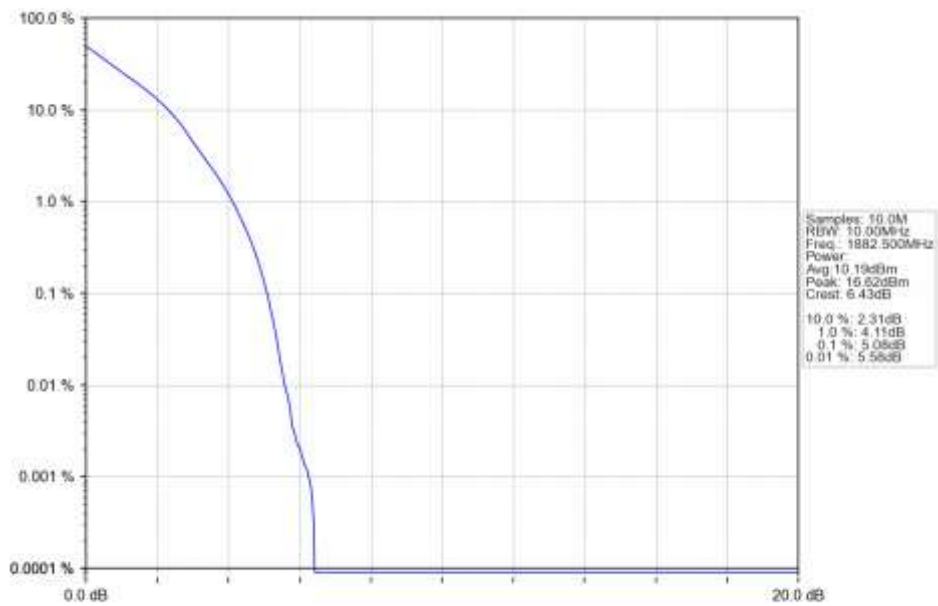


## 5.2.2 15k\_SISO\_10MHz\_NTNV

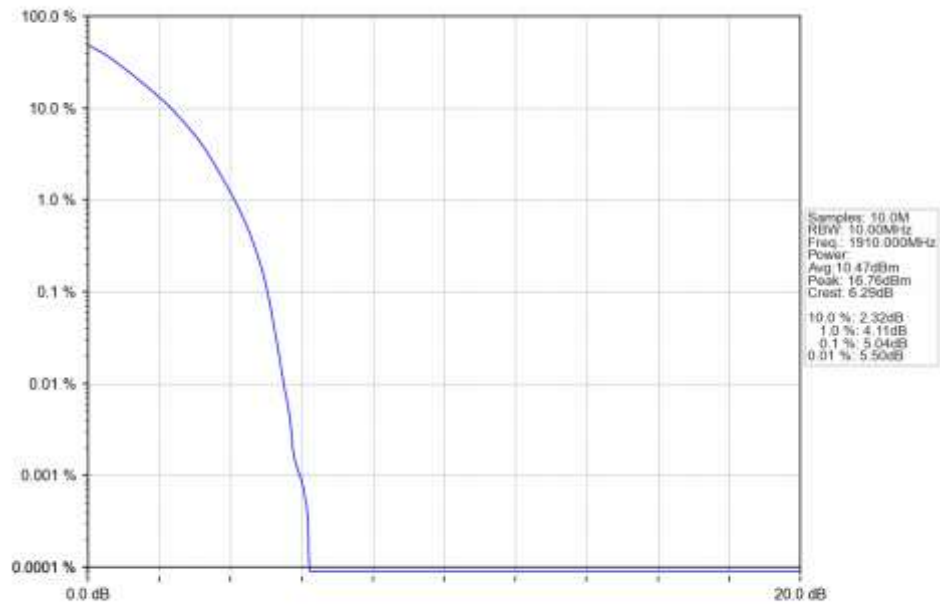
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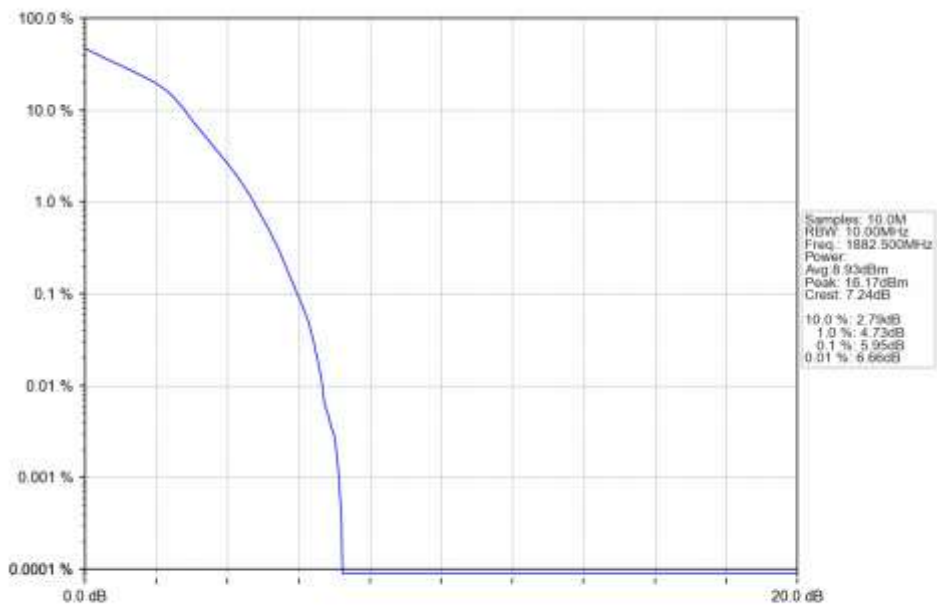
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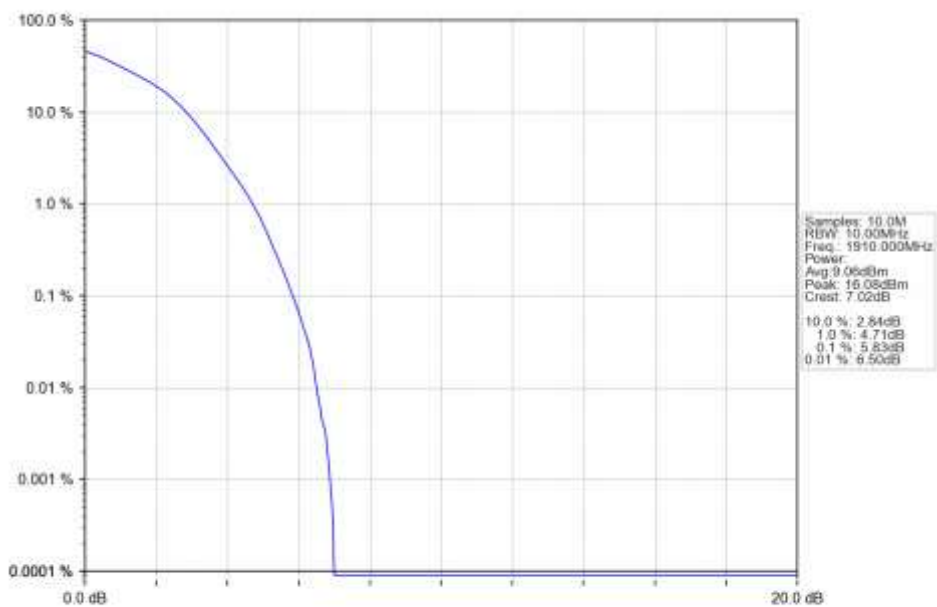
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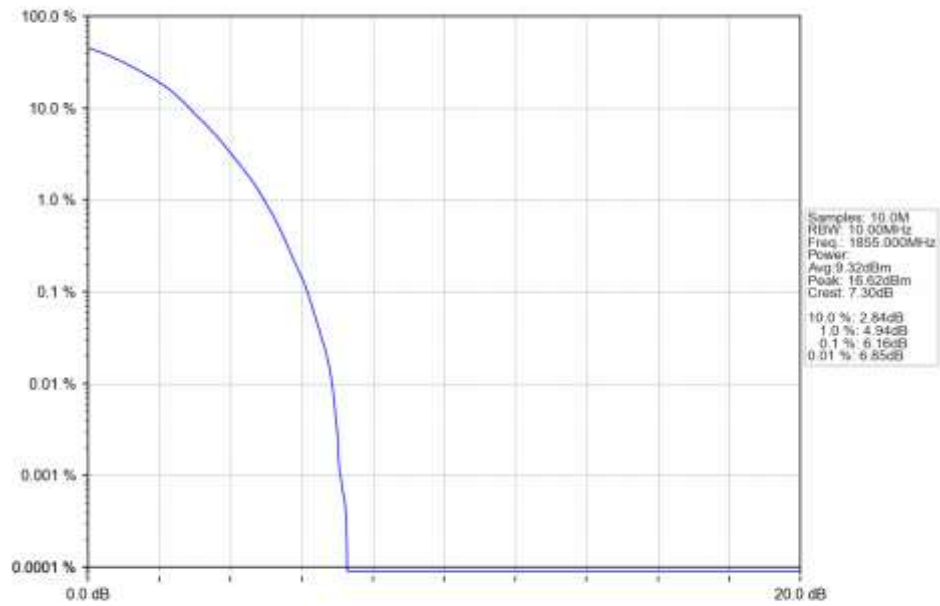
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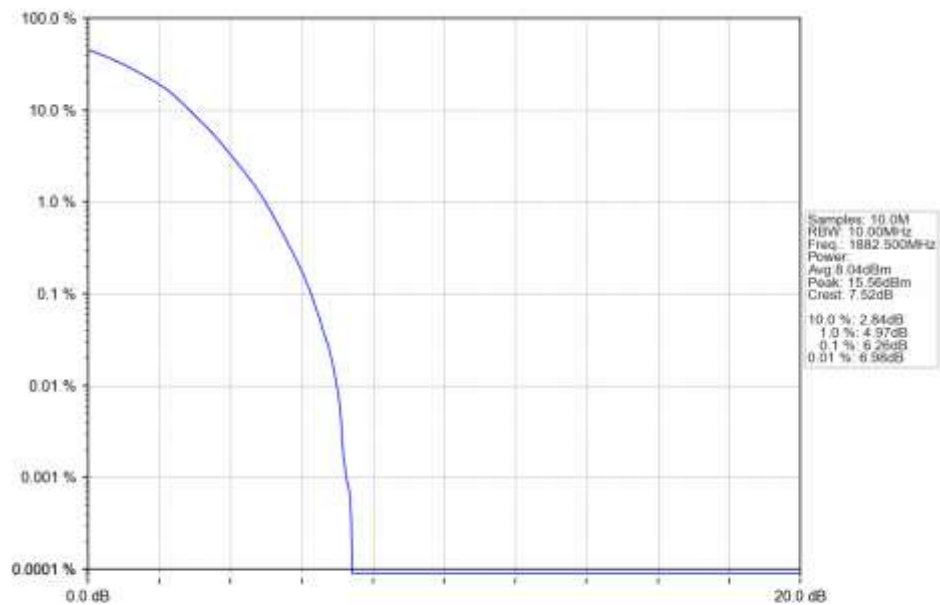
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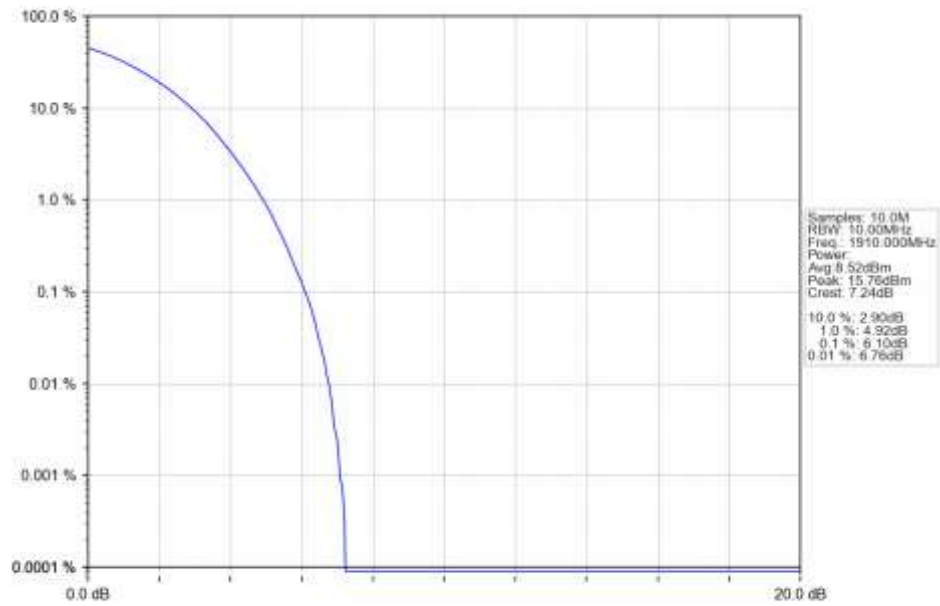
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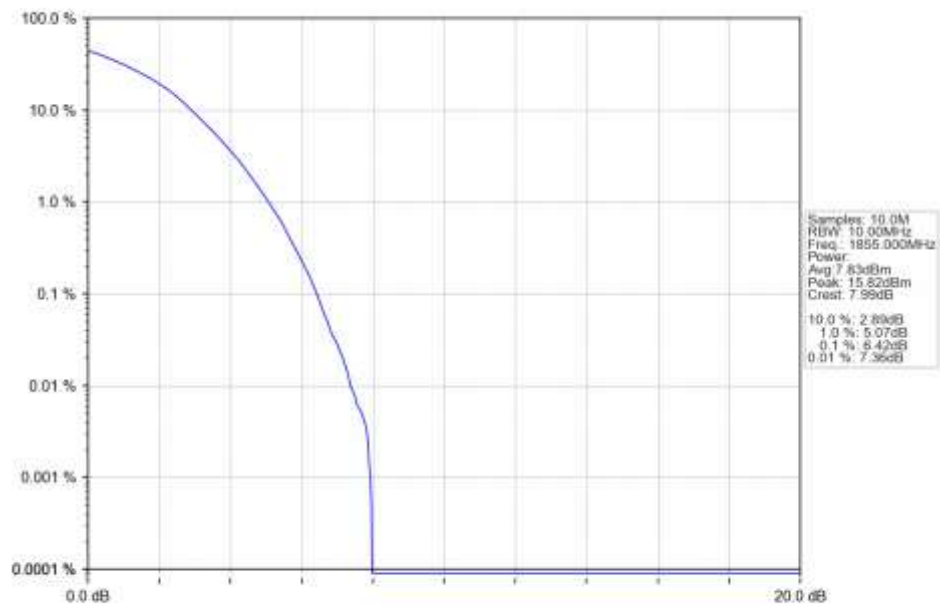
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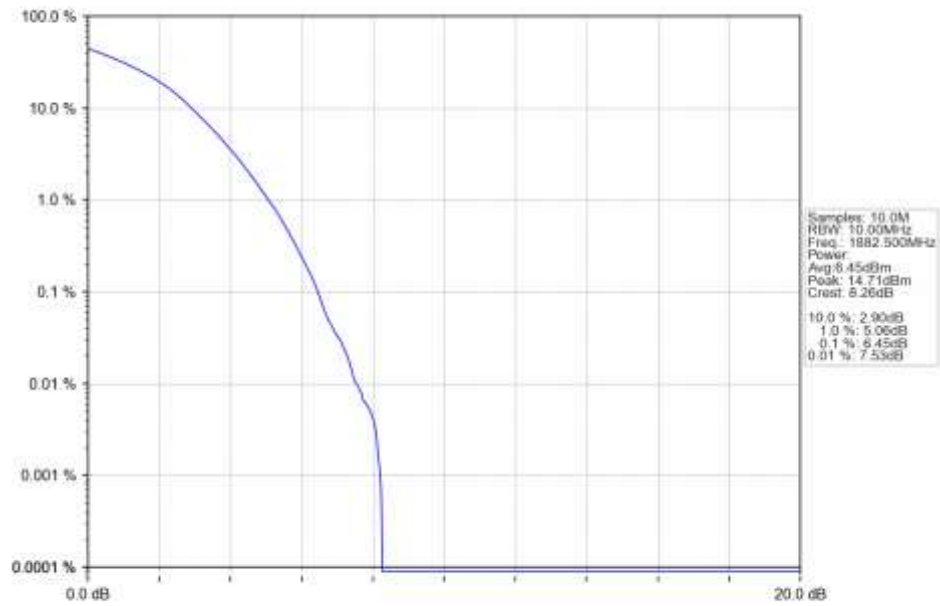
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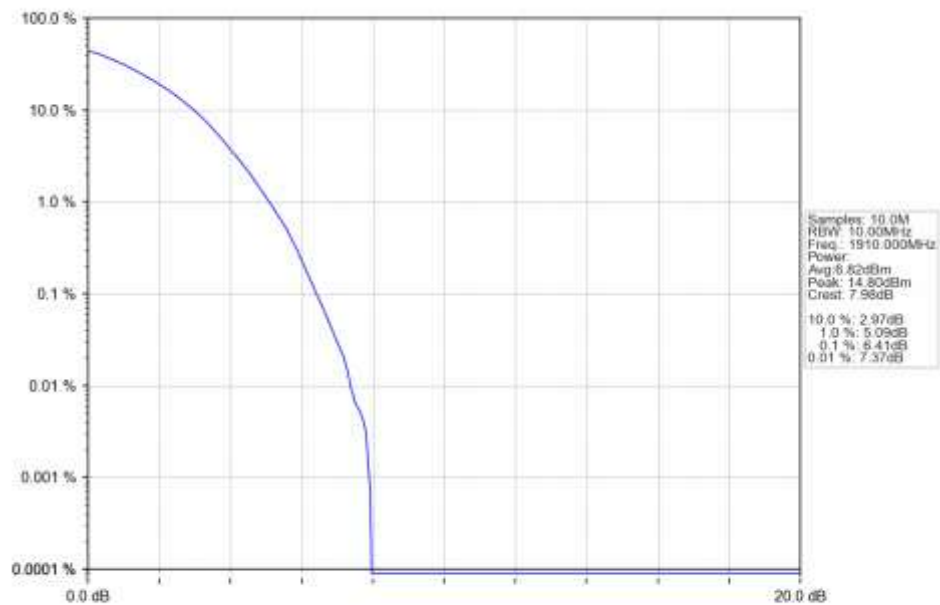
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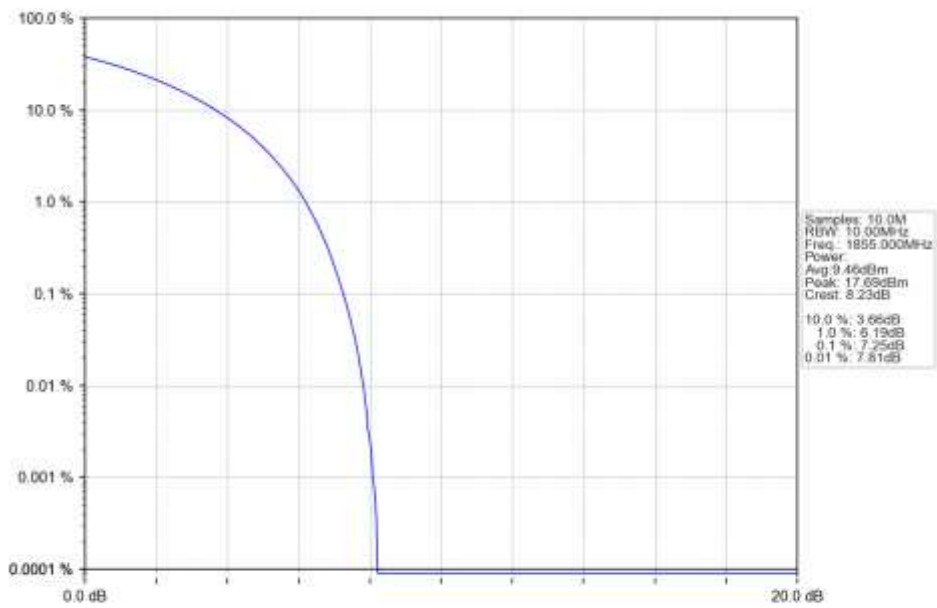
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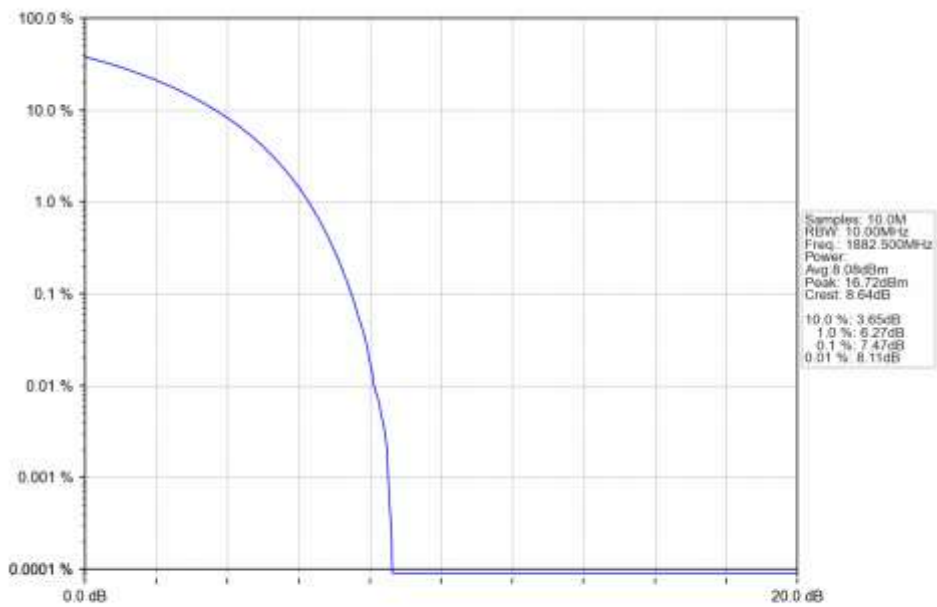
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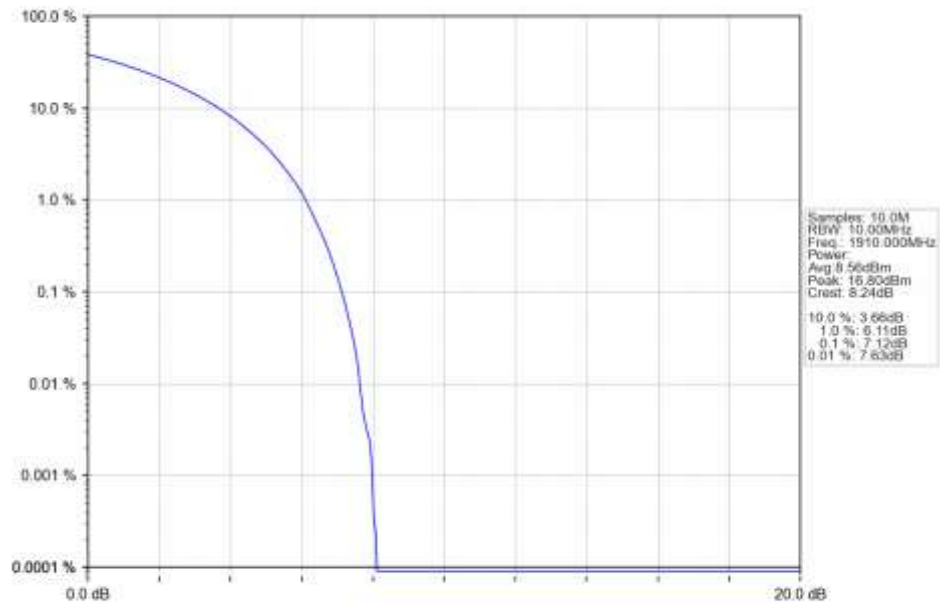
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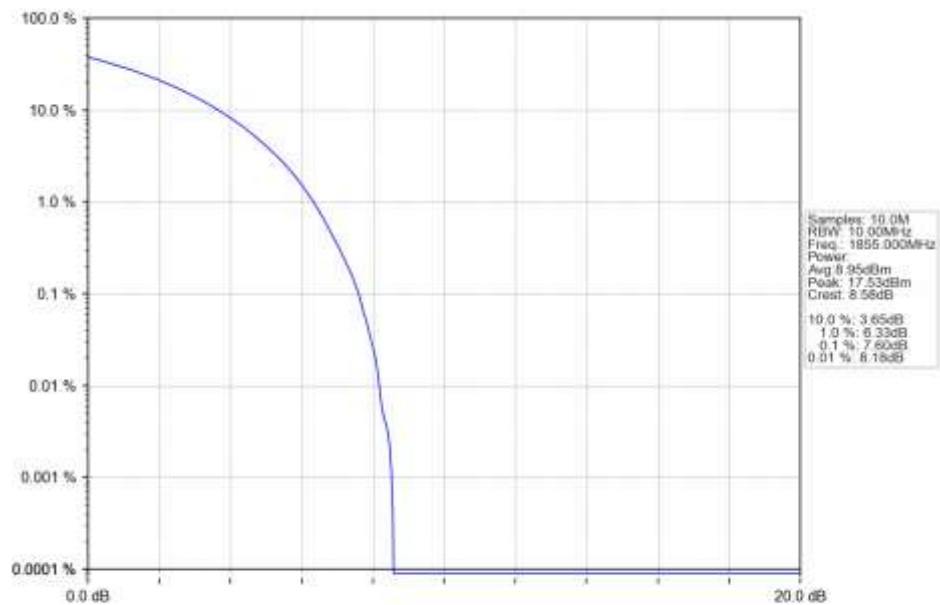
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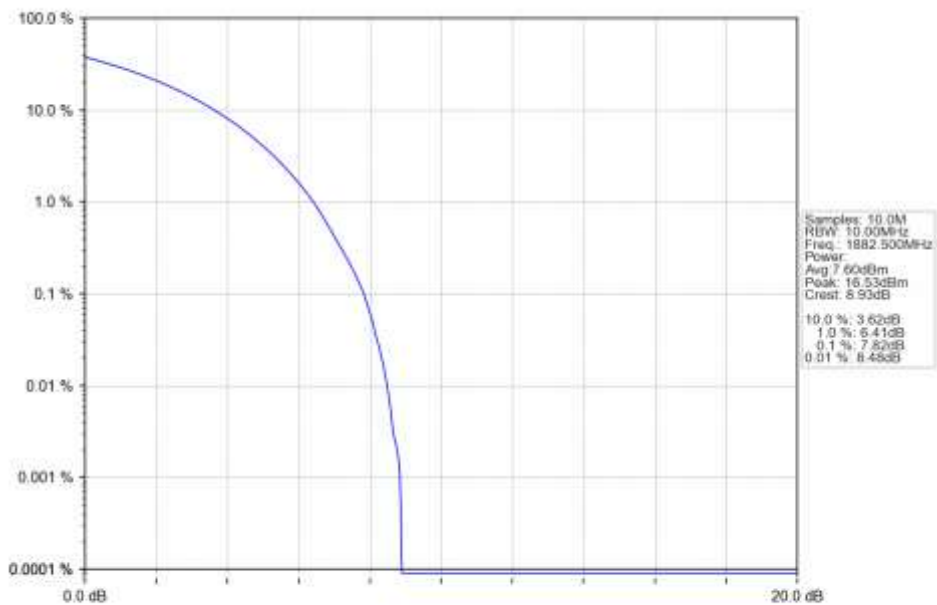
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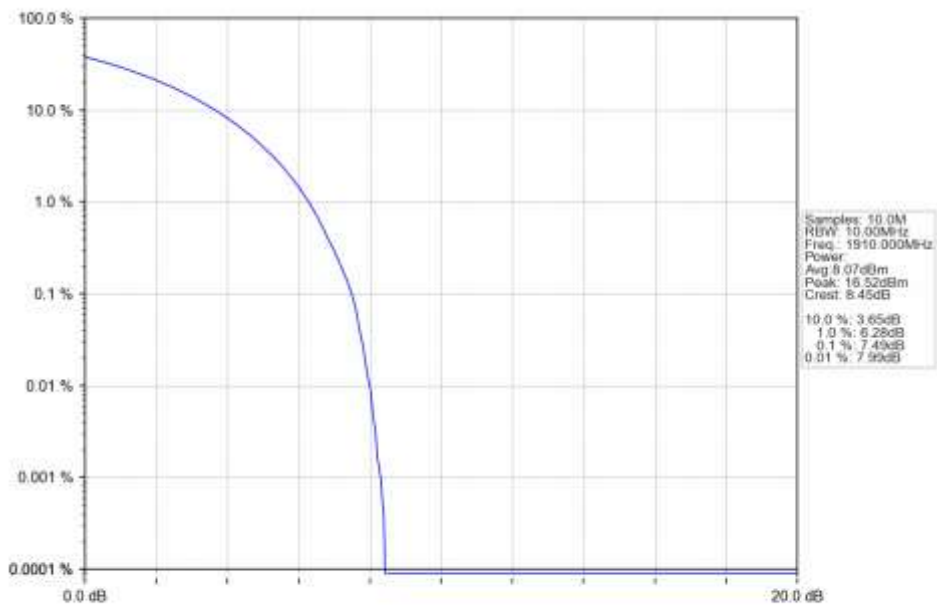
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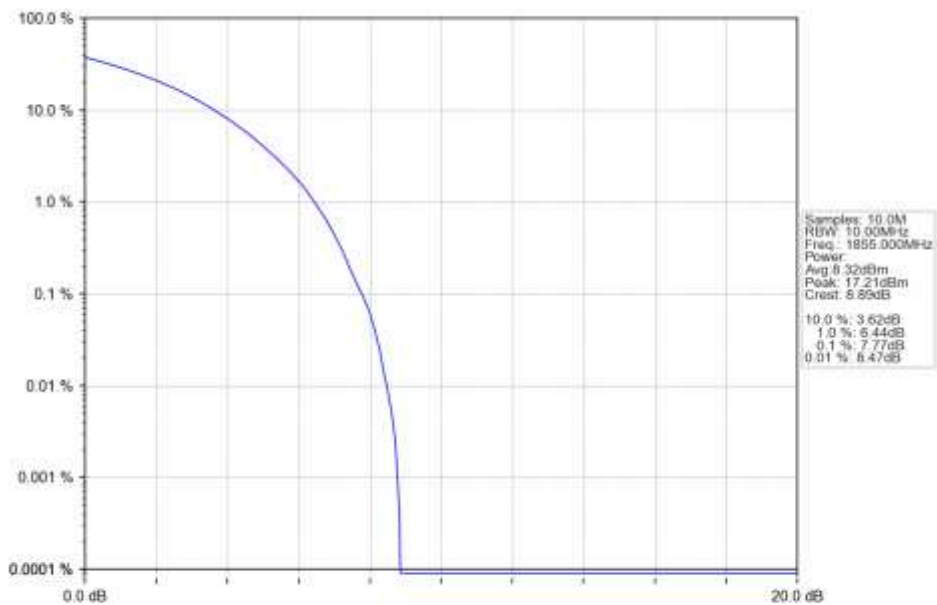
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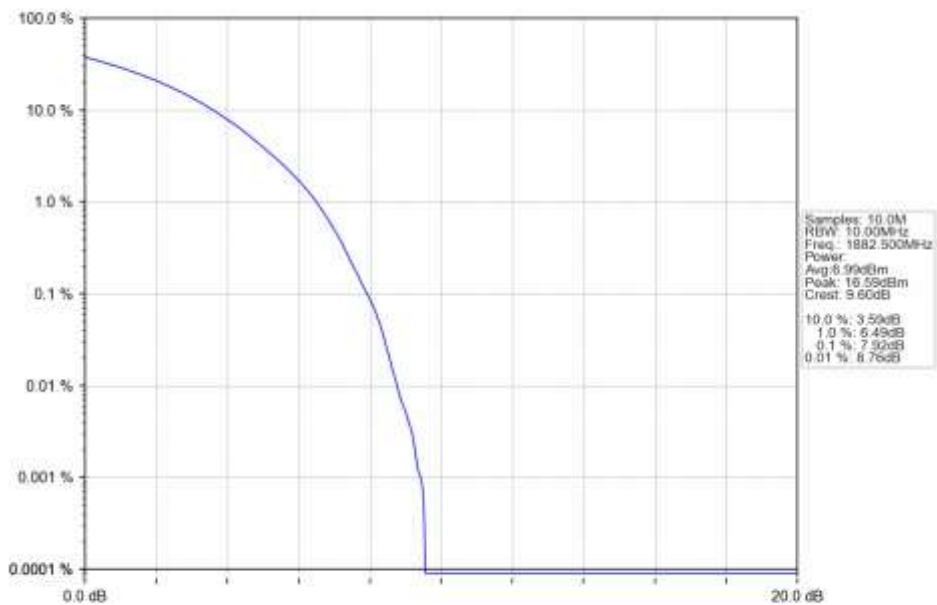
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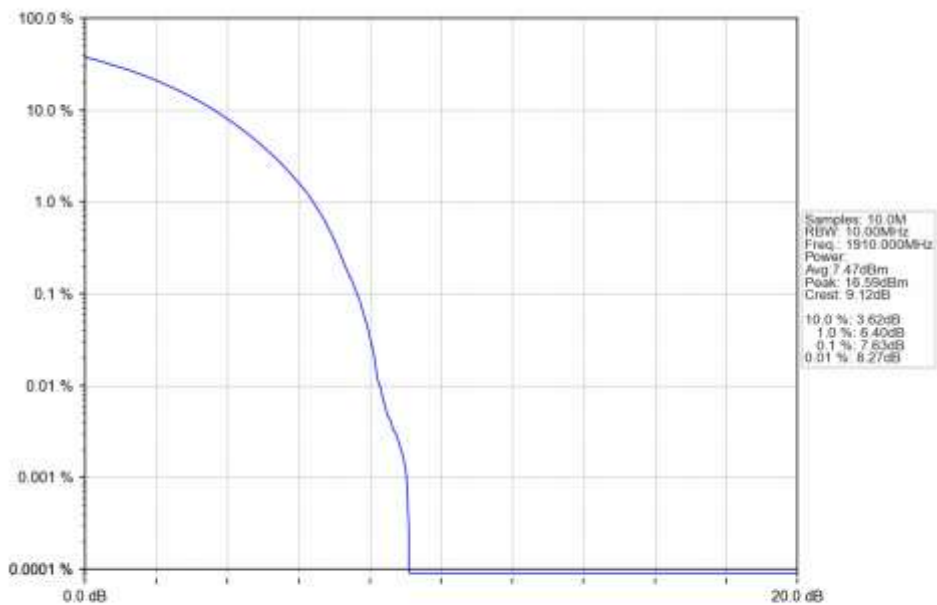
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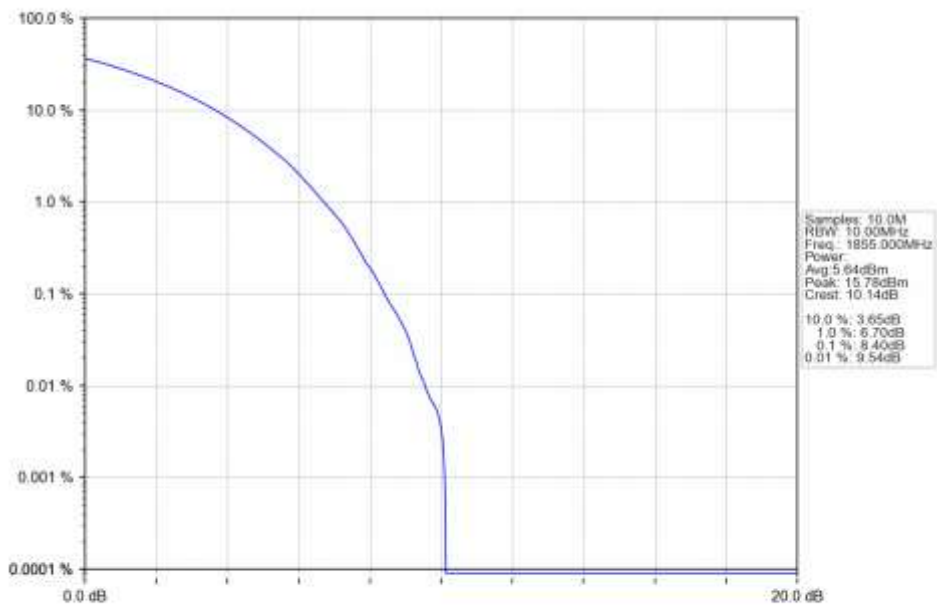
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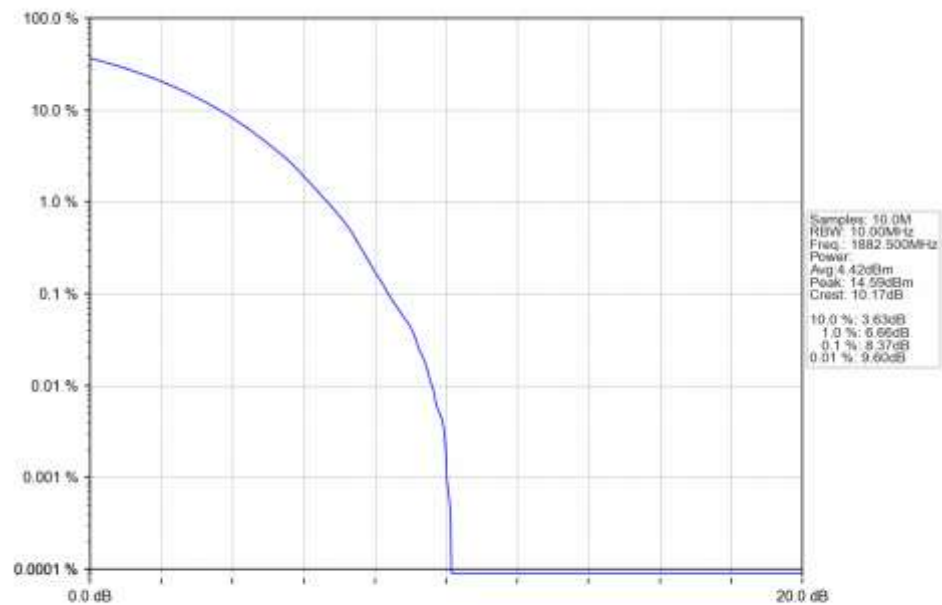
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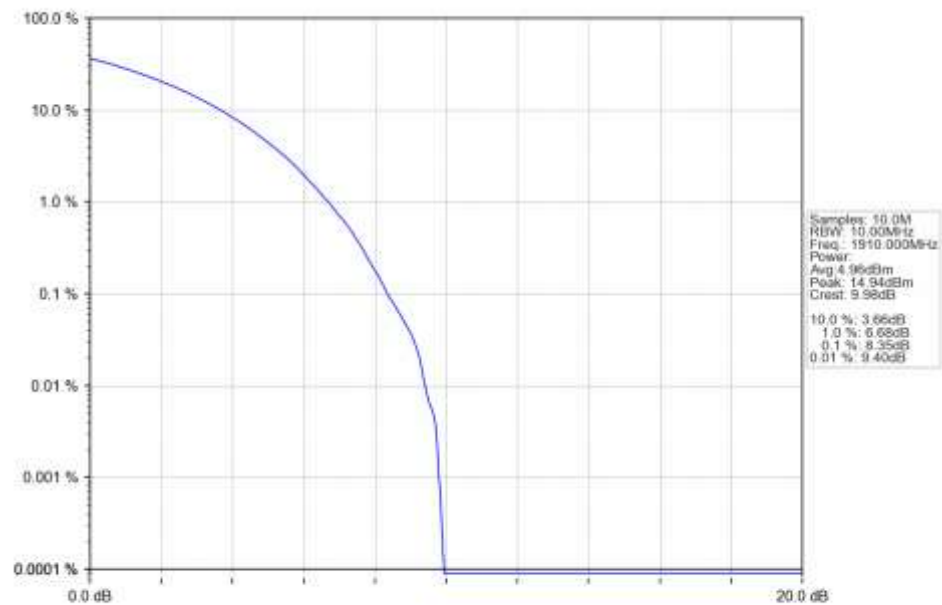
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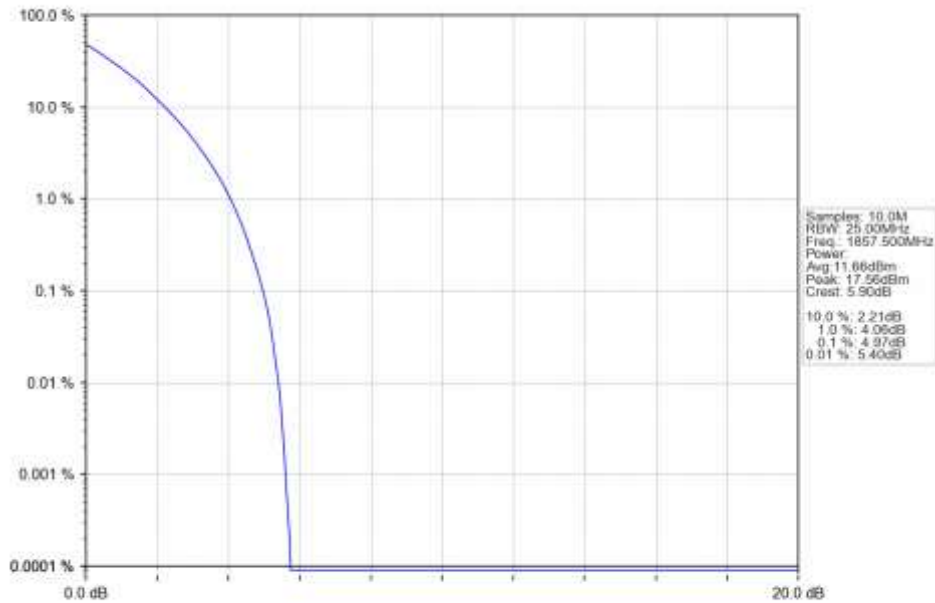


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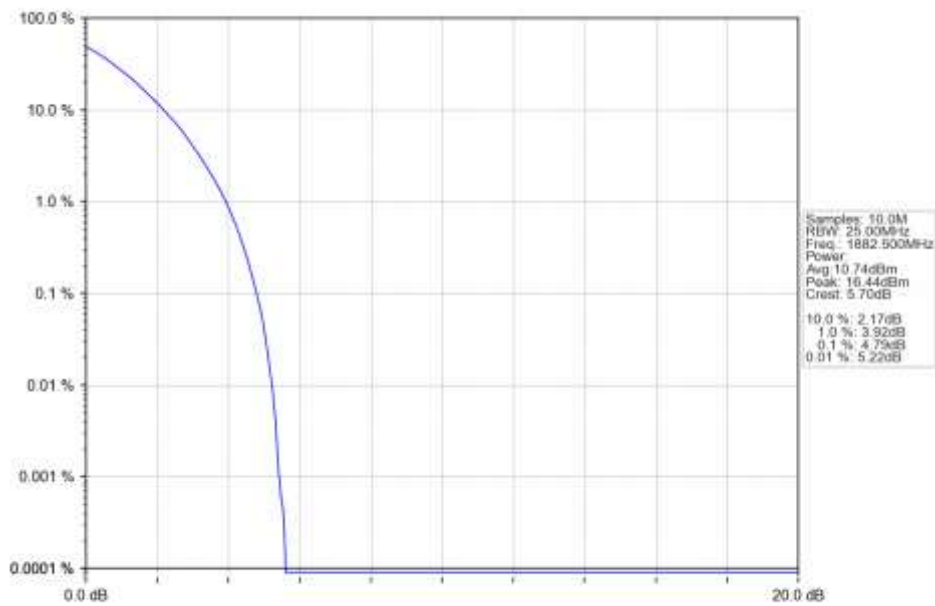


### 5.2.3 15k\_SISO\_15MHz\_NTNV

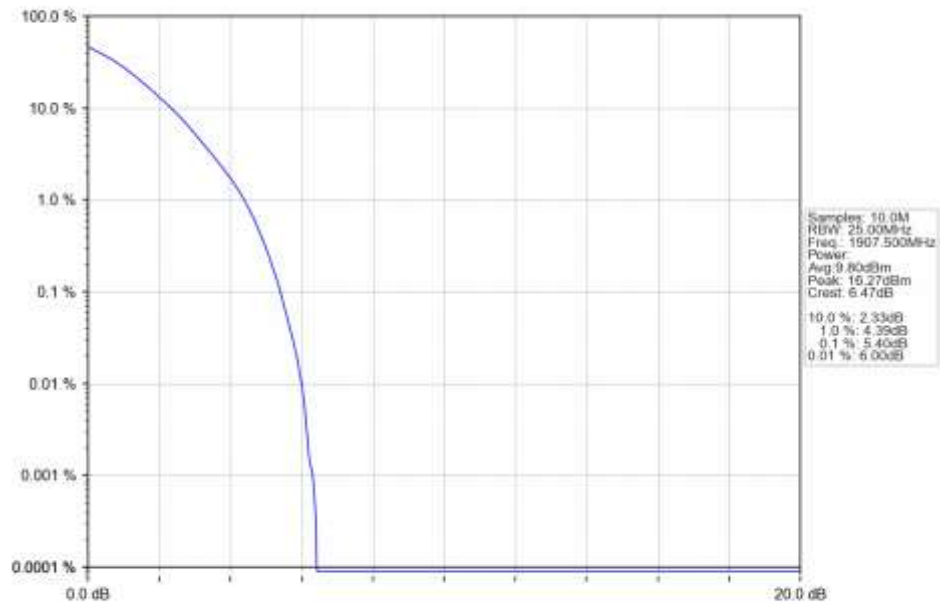
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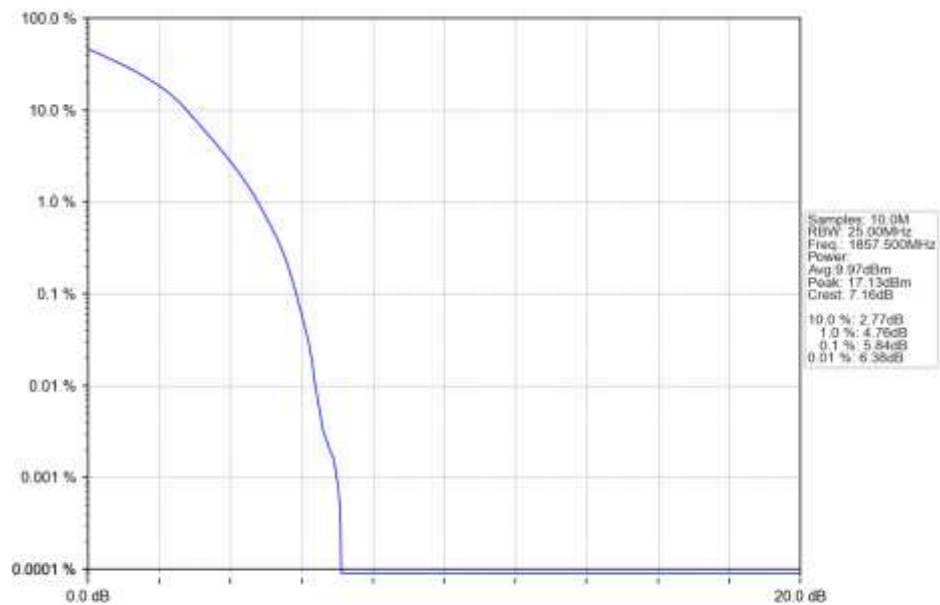
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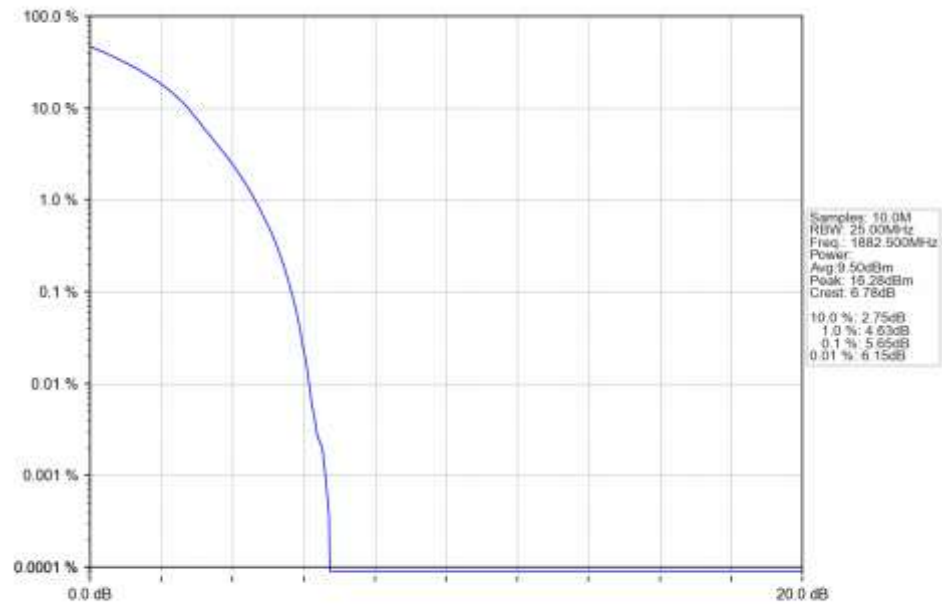
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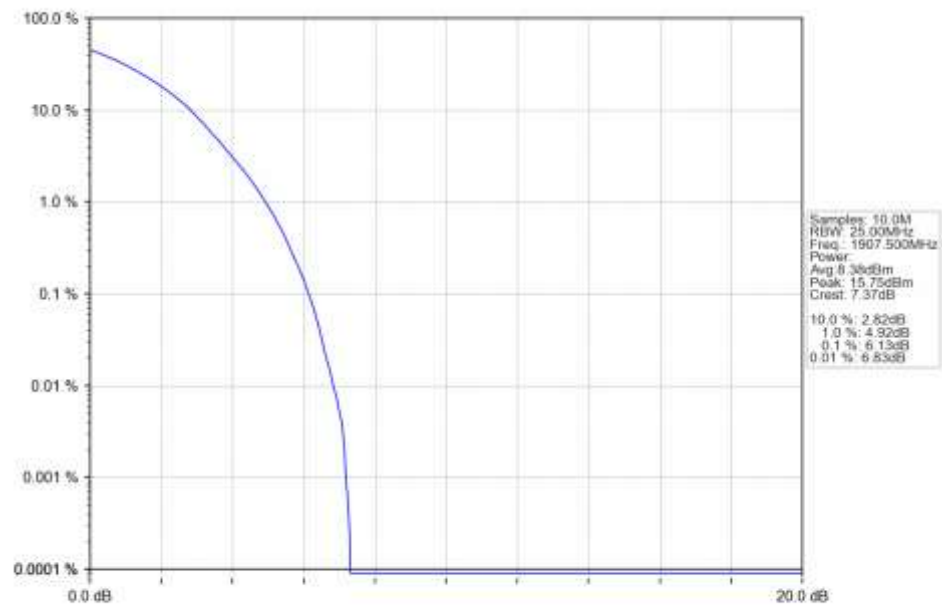
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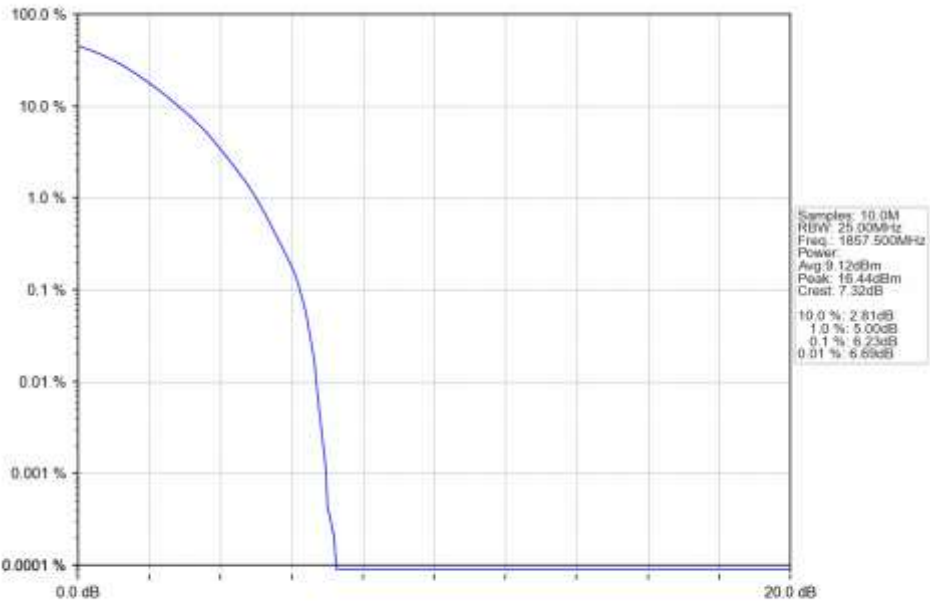
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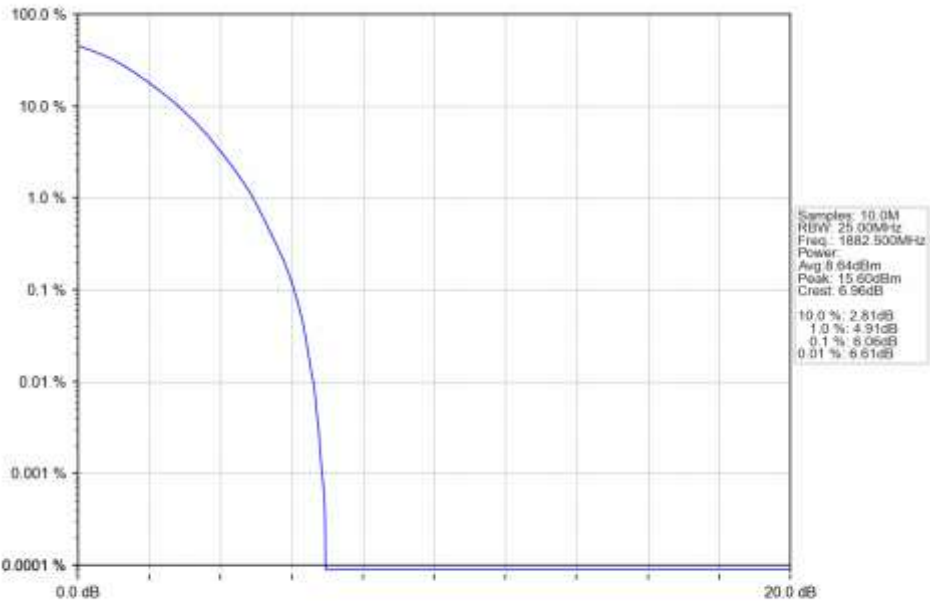
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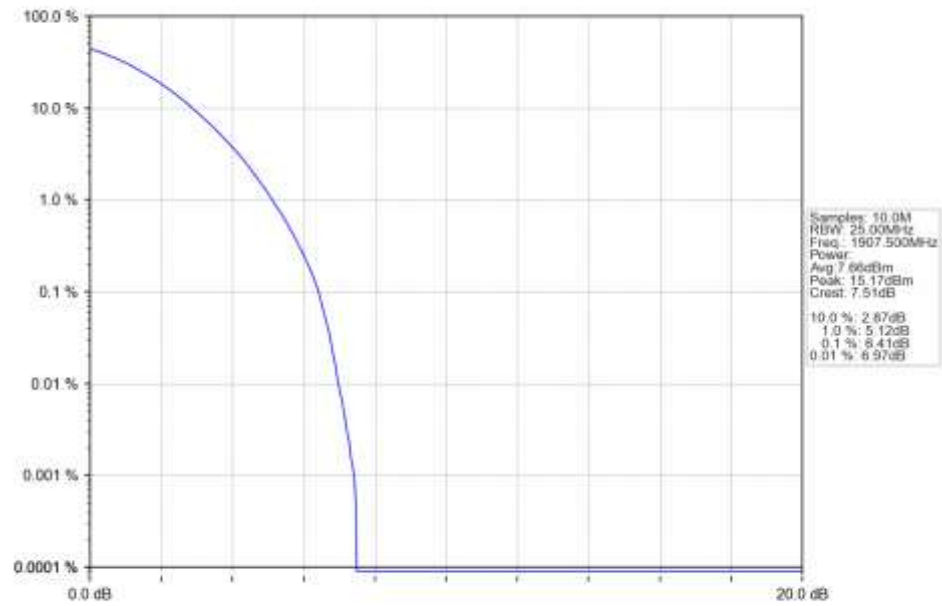
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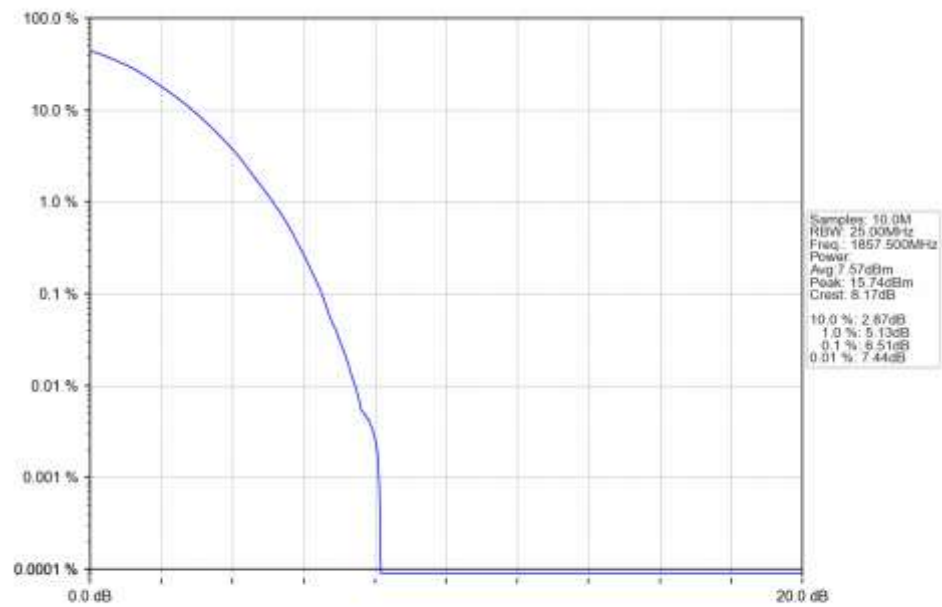
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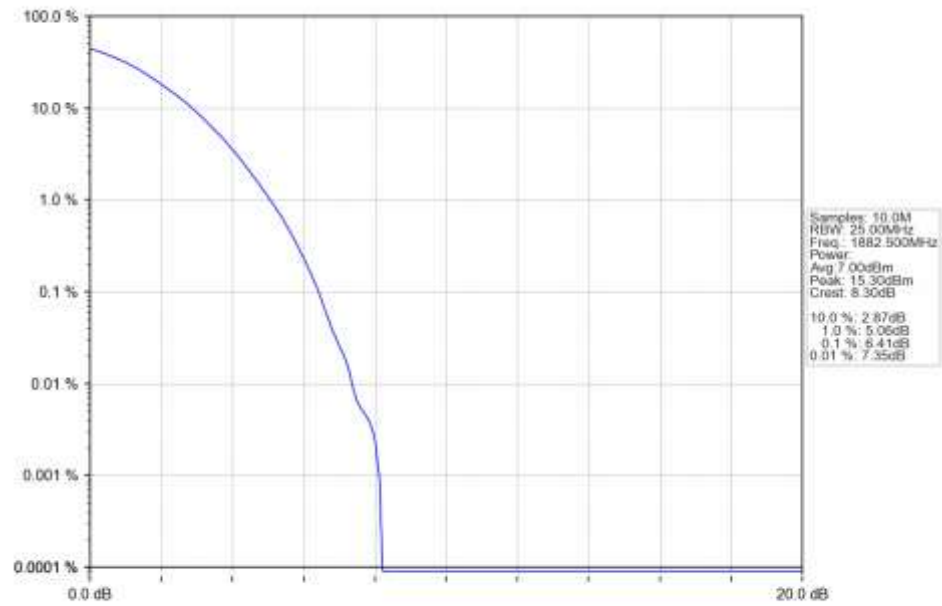
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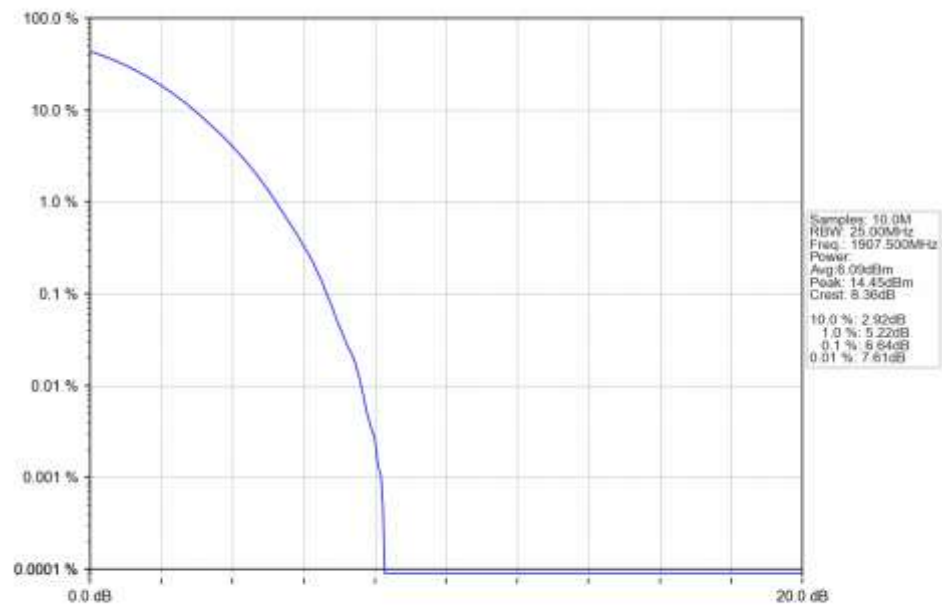
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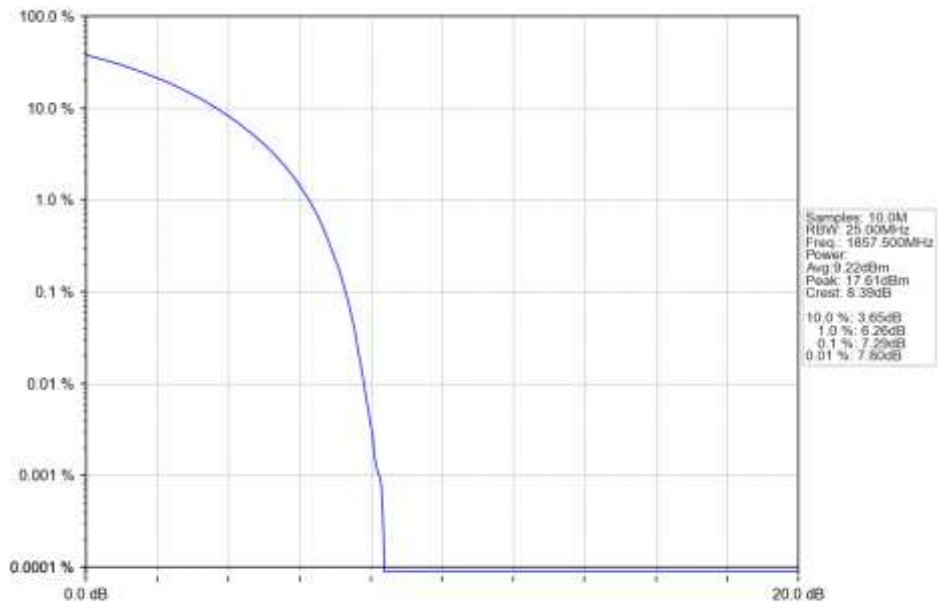
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n25\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_256\_QAM\_1907.5MHz\_Outer\_Full\_Ant1



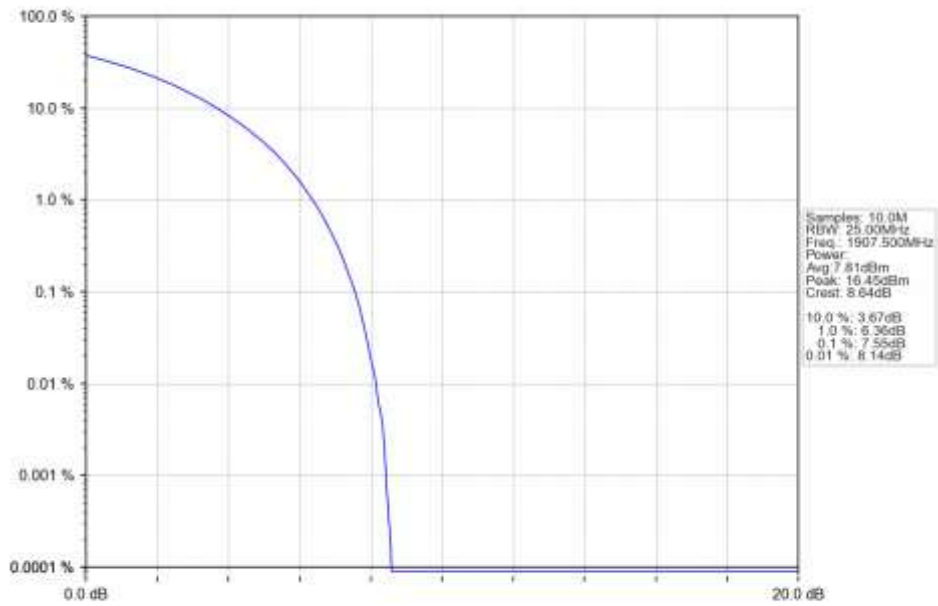
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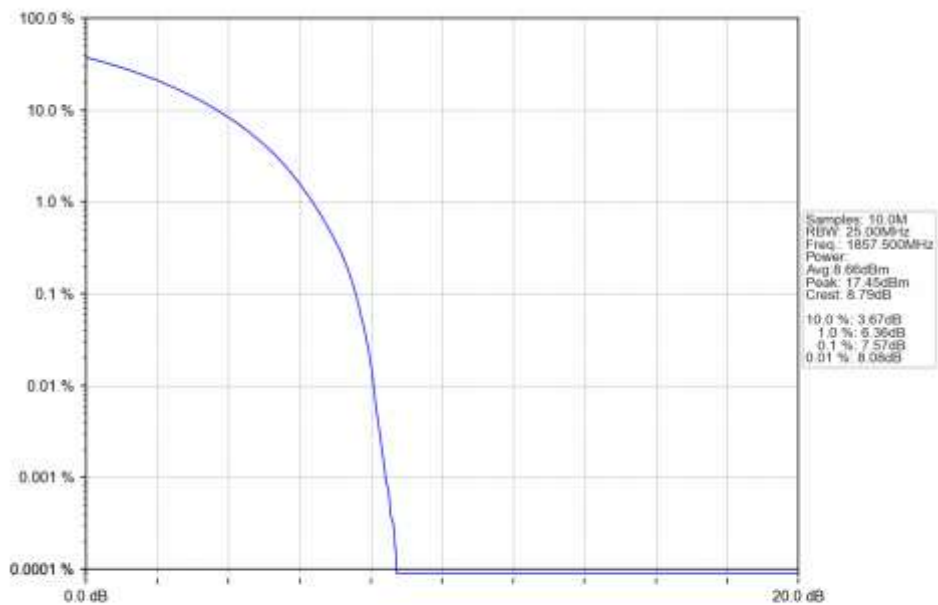
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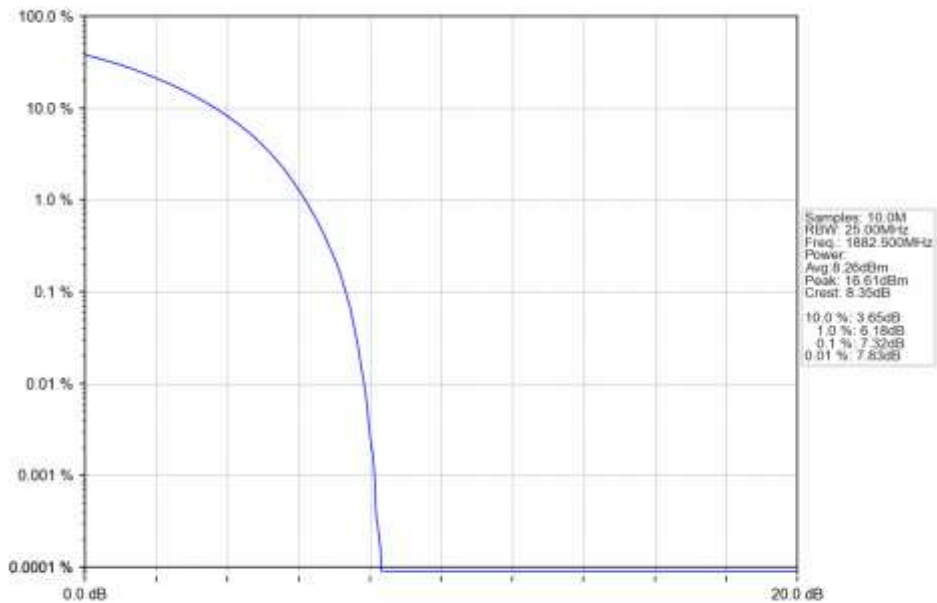
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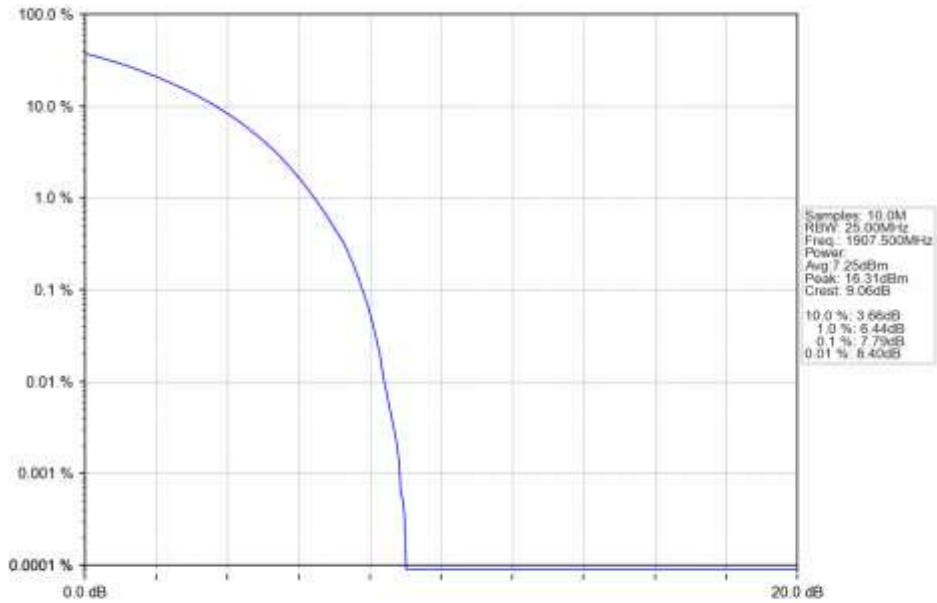
n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_16\_QAM\_1857.5MHz\_Outer\_Full\_Ant1



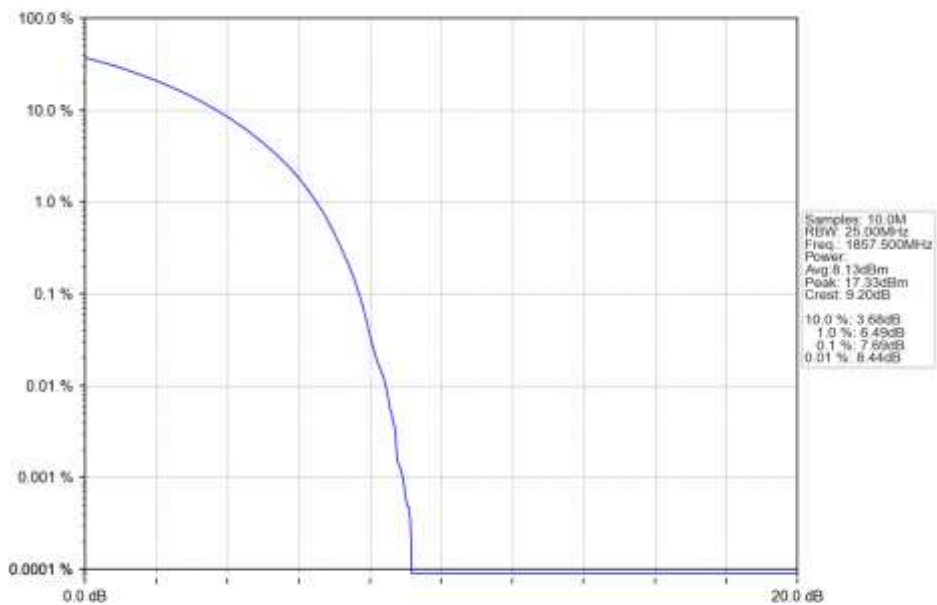
n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_16\_QAM\_1882.5MHz\_Outer\_Full\_Ant1



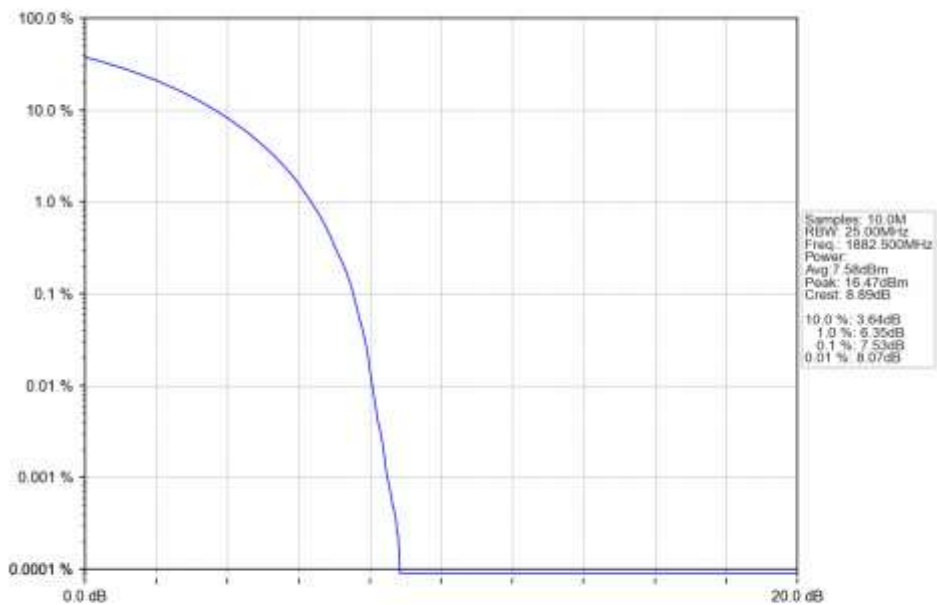
n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_16\_QAM\_1907.5MHz\_Outer\_Full\_Ant1



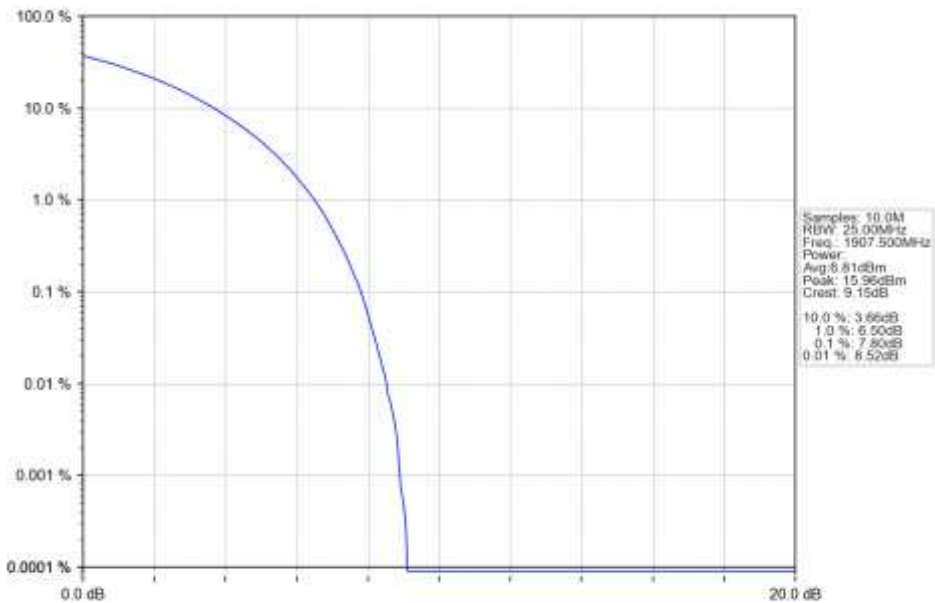
n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_64\_QAM\_1857.5MHz\_Outer\_Full\_Ant1



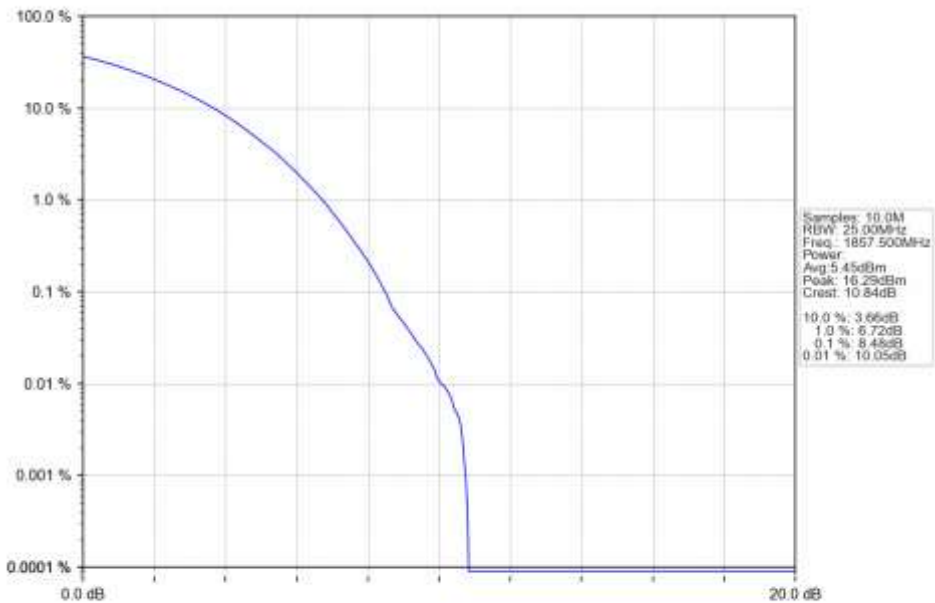
n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_64\_QAM\_1882.5MHz\_Outer\_Full\_Ant1



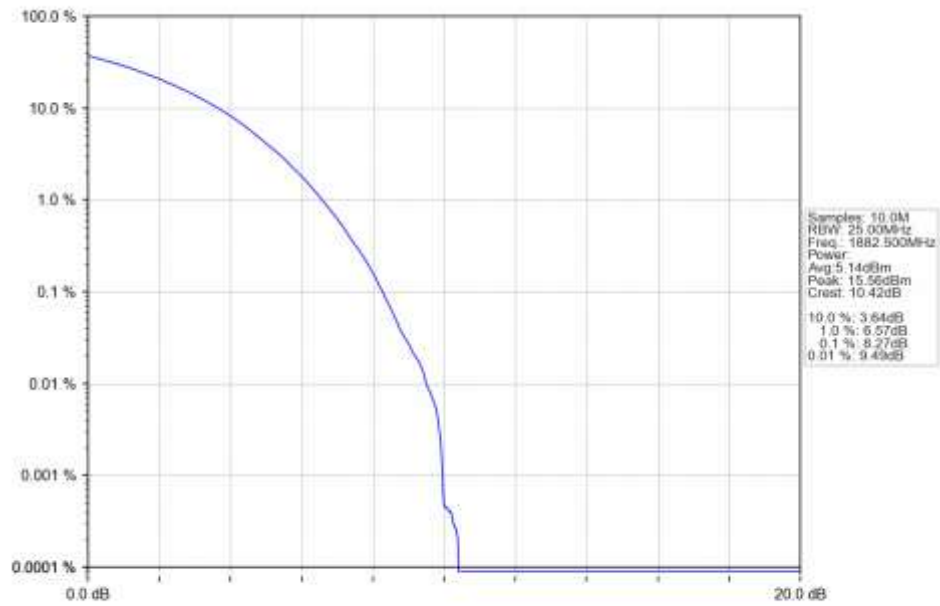
n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_64\_QAM\_1907.5MHz\_Outer\_Full\_Ant1



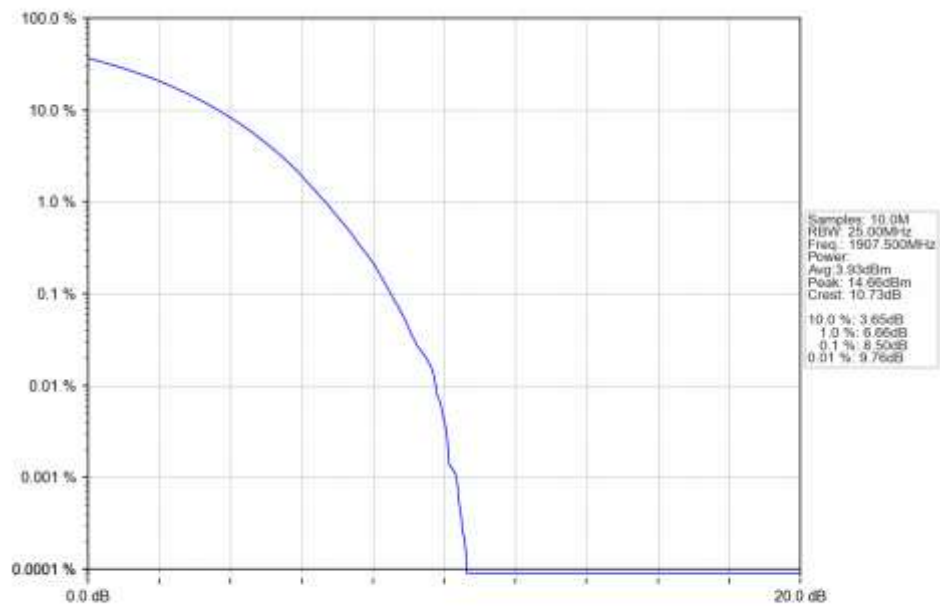
n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_256\_QAM\_1857.5MHz\_Outer\_Full\_Ant1



n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_256\_QAM\_1882.5MHz\_Outer\_Full\_Ant1

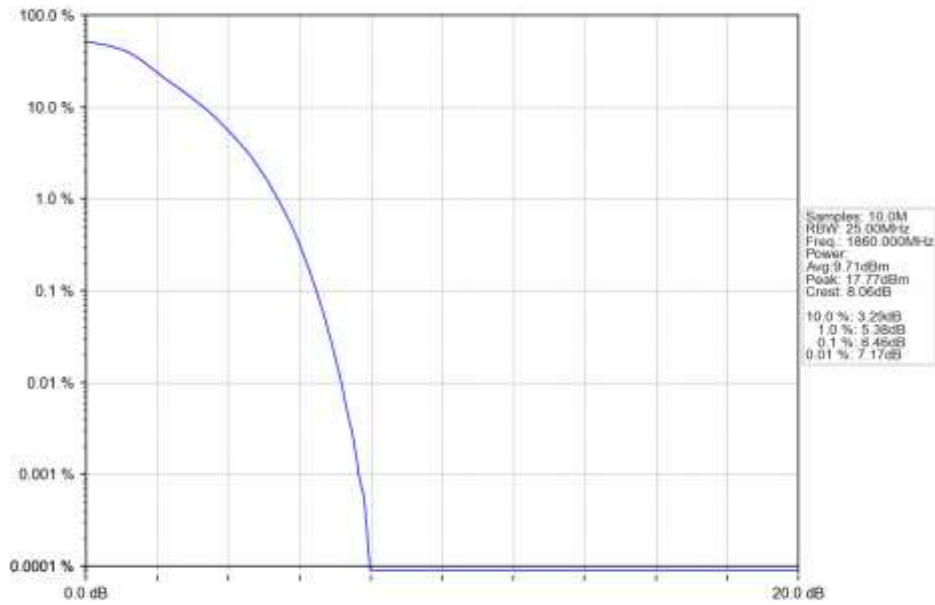


n25\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_256\_QAM\_1907.5MHz\_Outer\_Full\_Ant1

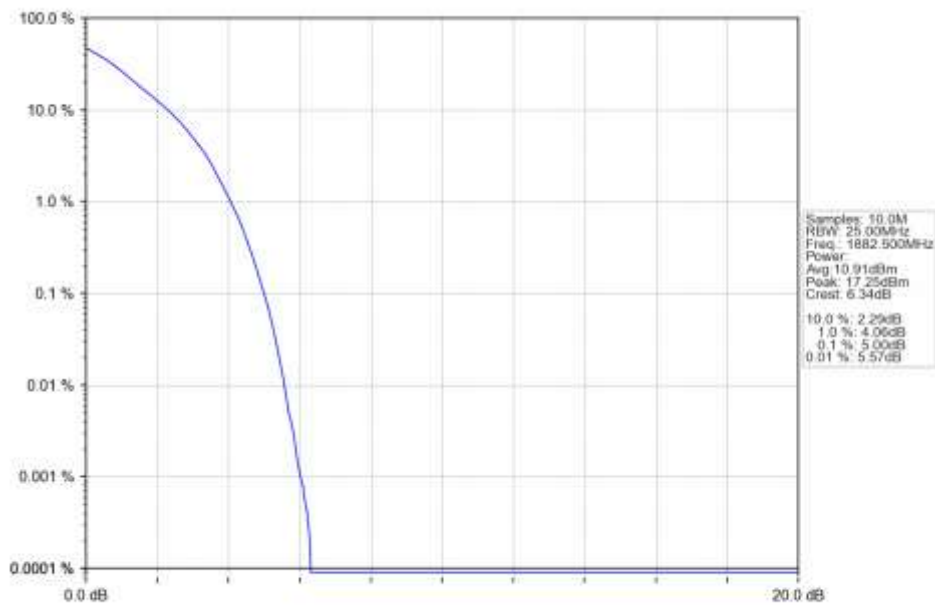


## 5.2.4 15k\_SISO\_20MHz\_NTNV

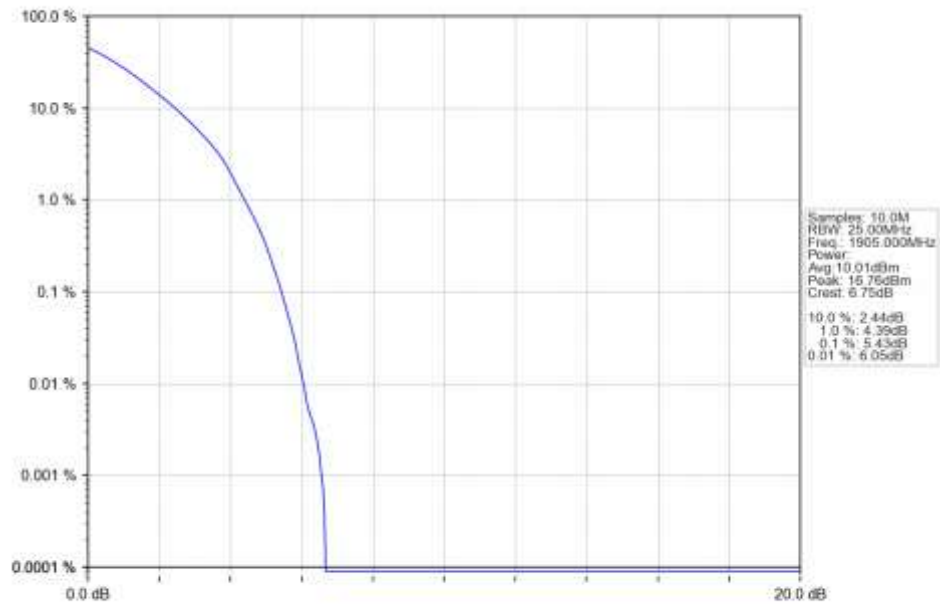
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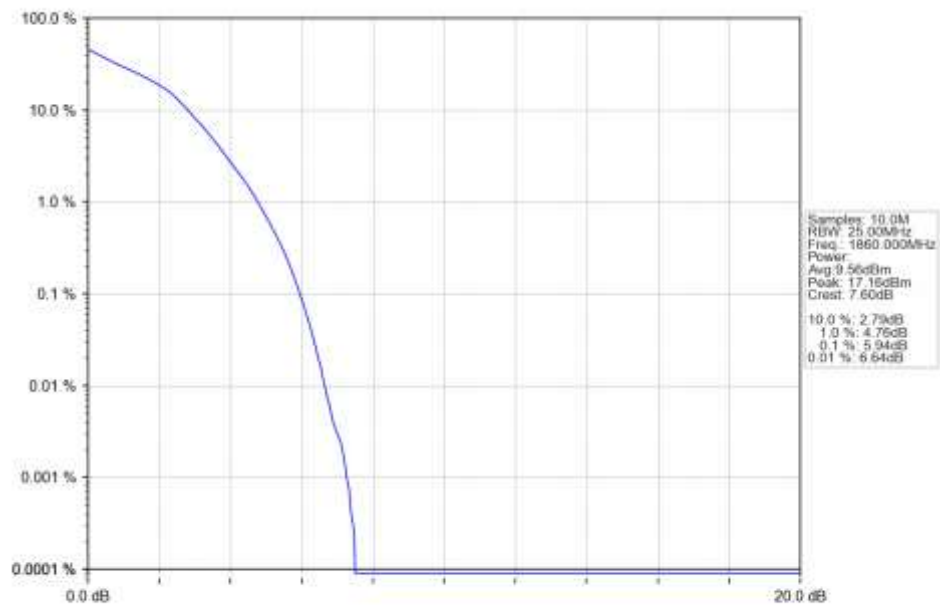
n25\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_1882.5MHz\_Outer\_Full\_Ant1



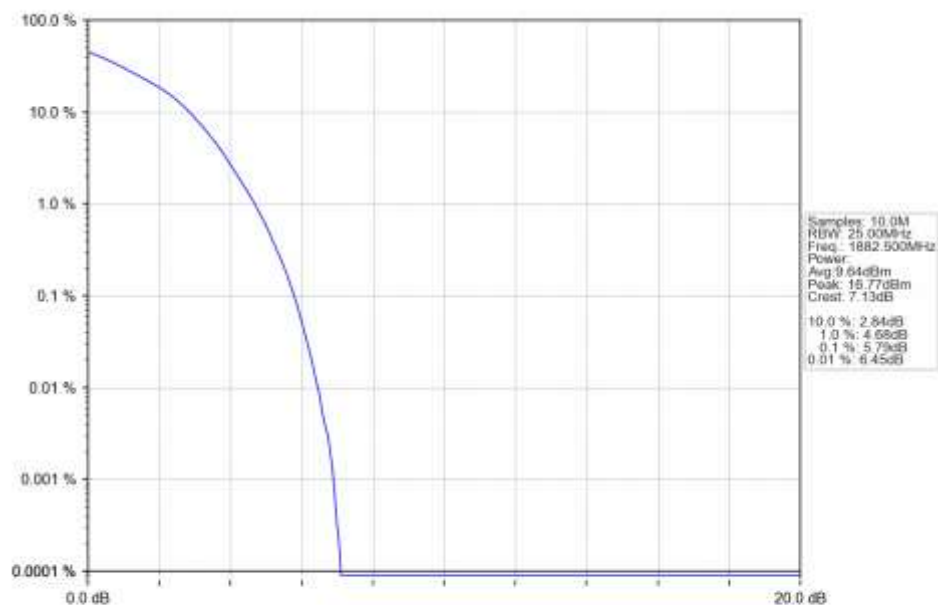
n25\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_1905MHz\_Outer\_Full\_Ant1



n25\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16\_QAM\_1860MHz\_Outer\_Full\_Ant1



n25\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16\_QAM\_1882.5MHz\_Outer\_Full\_Ant1



n25\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16\_QAM\_1905MHz\_Outer\_Full\_Ant1

