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# Appendix B.18

## NR Band n5



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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

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

## 1.1 15k\_SISO\_5MHz\_NTNV\_ERP

## 1.1.1 Test Result

| 5G NR n5 SCS=15kHz SISO 5MHz NTNv |                 |                 |                      |      |     |          |      |     |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 826.5           | Edge_1RB_Left   | 24.54                | /    | /   | 18.29    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.63                | /    | /   | 18.38    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.73                | /    | /   | 18.48    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.11                | /    | /   | 18.86    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.07                | /    | /   | 18.82    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.14                | /    | /   | 18.89    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.59                | /    | /   | 18.34    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.57                | /    | /   | 18.32    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.68                | /    | /   | 18.43    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.14                | /    | /   | 18.89    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.01                | /    | /   | 18.76    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.07                | /    | /   | 18.82    | /    | /   | <=38.45 | Pass    |
|                                   | 846.5           | Edge_1RB_Left   | 24.58                | /    | /   | 18.33    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.57                | /    | /   | 18.32    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.67                | /    | /   | 18.42    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.14                | /    | /   | 18.89    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.01                | /    | /   | 18.76    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                   | 826.5           | Edge_1RB_Left   | 23.97                | /    | /   | 17.72    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.07                | /    | /   | 17.82    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.27                | /    | /   | 18.02    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.27                | /    | /   | 19.02    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.01                | /    | /   | 18.76    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.05                | /    | /   | 18.80    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.08                | /    | /   | 17.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.07                | /    | /   | 17.82    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.18                | /    | /   | 17.93    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.18                | /    | /   | 18.93    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.99                | /    | /   | 18.74    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.03                | /    | /   | 18.78    | /    | /   | <=38.45 | Pass    |
|                                   | 846.5           | Edge_1RB_Left   | 24.07                | /    | /   | 17.82    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.01                | /    | /   | 17.76    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.17                | /    | /   | 17.92    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.25                | /    | /   | 19.00    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.99                | /    | /   | 18.74    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.99                | /    | /   | 18.74    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                 | 826.5           | Edge_1RB_Left   | 23.21                | /    | /   | 16.96    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.25                | /    | /   | 17.00    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 23.19                | /    | /   | 16.94    | /    | /   | <=38.45 | Pass    |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)  
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|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    |       | Inner Full      | 24.18 | / | / | 17.93 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.22 | / | / | 17.97 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.33 | / | / | 18.08 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 23.22 | / | / | 16.97 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.22 | / | / | 16.97 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.12 | / | / | 17.87 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.31 | / | / | 18.06 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.26 | / | / | 18.01 | / | / | <=38.45 | Pass |
|                    | 846.5 | Edge 1RB Left   | 23.21 | / | / | 16.96 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.22 | / | / | 16.97 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.13 | / | / | 17.88 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.29 | / | / | 18.04 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.31 | / | / | 18.06 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM  | 826.5 | Edge 1RB Left   | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.83 | / | / | 16.58 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.73 | / | / | 16.48 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.74 | / | / | 16.49 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.74 | / | / | 16.49 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.82 | / | / | 16.57 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 22.82 | / | / | 16.57 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.77 | / | / | 16.52 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.70 | / | / | 16.45 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.68 | / | / | 16.43 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.85 | / | / | 16.60 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.81 | / | / | 16.56 | / | / | <=38.45 | Pass |
|                    | 846.5 | Edge 1RB Left   | 22.83 | / | / | 16.58 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.80 | / | / | 16.55 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.70 | / | / | 16.45 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.81 | / | / | 16.56 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.79 | / | / | 16.54 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 826.5 | Edge 1RB Left   | 20.51 | / | / | 14.26 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.58 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.65 | / | / | 14.40 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.67 | / | / | 14.42 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.50 | / | / | 14.25 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.67 | / | / | 14.42 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 20.62 | / | / | 14.37 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.54 | / | / | 14.29 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.62 | / | / | 14.37 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.68 | / | / | 14.43 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.61 | / | / | 14.36 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.56 | / | / | 14.31 | / | / | <=38.45 | Pass |
|                    | 846.5 | Edge 1RB Left   | 20.62 | / | / | 14.37 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.58 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.59 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.67 | / | / | 14.42 | / | / | <=38.45 | Pass |



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|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM QPSK   | 826.5 | Inner_1RB_Left  | 20.55 | / | / | 14.30 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 20.58 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                | 826.5 | Edge_1RB_Left   | 21.96 | / | / | 15.71 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.00 | / | / | 15.75 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.21 | / | / | 15.96 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.65 | / | / | 17.40 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.42 | / | / | 17.17 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.53 | / | / | 17.28 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 21.98 | / | / | 15.73 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.96 | / | / | 15.71 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.13 | / | / | 15.88 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.64 | / | / | 17.39 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.45 | / | / | 17.20 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.46 | / | / | 17.21 | / | / | <=38.45 | Pass |
|                | 846.5 | Edge_1RB_Left   | 21.98 | / | / | 15.73 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.97 | / | / | 15.72 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.65 | / | / | 17.40 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.44 | / | / | 17.19 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.47 | / | / | 17.22 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM | 826.5 | Edge_1RB_Left   | 22.16 | / | / | 15.91 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.20 | / | / | 15.95 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.19 | / | / | 15.94 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.15 | / | / | 16.90 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.08 | / | / | 16.83 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.15 | / | / | 16.90 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.20 | / | / | 15.95 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.20 | / | / | 15.95 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.14 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.26 | / | / | 17.01 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.15 | / | / | 16.90 | / | / | <=38.45 | Pass |
|                | 846.5 | Edge_1RB_Left   | 22.20 | / | / | 15.95 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.16 | / | / | 15.91 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.18 | / | / | 16.93 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.18 | / | / | 16.93 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.16 | / | / | 16.91 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM | 826.5 | Edge_1RB_Left   | 21.57 | / | / | 15.32 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.68 | / | / | 15.43 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.77 | / | / | 15.52 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.67 | / | / | 15.42 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.58 | / | / | 15.33 | / | / | <=38.45 | Pass |
|                | 836.5 | Inner_1RB_Right | 21.68 | / | / | 15.43 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Left   | 21.69 | / | / | 15.44 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.64 | / | / | 15.39 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.65 | / | / | 15.40 | / | / | <=38.45 | Pass |



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|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                 | 846.5 | Inner 1RB Right | 21.55 | / | / | 15.30 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Left   | 21.65 | / | / | 15.40 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right  | 21.67 | / | / | 15.42 | / | / | <=38.45 | Pass |
|                 |       | Outer Full      | 21.68 | / | / | 15.43 | / | / | <=38.45 | Pass |
|                 |       | Inner Full      | 21.65 | / | / | 15.40 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left  | 21.65 | / | / | 15.40 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Right | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
| CP-OFDM 256 QAM | 826.5 | Edge 1RB Left   | 18.72 | / | / | 12.47 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right  | 18.71 | / | / | 12.46 | / | / | <=38.45 | Pass |
|                 |       | Outer Full      | 18.71 | / | / | 12.46 | / | / | <=38.45 | Pass |
|                 |       | Inner Full      | 18.68 | / | / | 12.43 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left  | 18.74 | / | / | 12.49 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Right | 18.71 | / | / | 12.46 | / | / | <=38.45 | Pass |
|                 | 836.5 | Edge 1RB Left   | 18.79 | / | / | 12.54 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right  | 18.73 | / | / | 12.48 | / | / | <=38.45 | Pass |
|                 |       | Outer Full      | 18.65 | / | / | 12.40 | / | / | <=38.45 | Pass |
|                 |       | Inner Full      | 18.68 | / | / | 12.43 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left  | 18.75 | / | / | 12.50 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Right | 18.76 | / | / | 12.51 | / | / | <=38.45 | Pass |
|                 | 846.5 | Edge 1RB Left   | 18.74 | / | / | 12.49 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right  | 18.74 | / | / | 12.49 | / | / | <=38.45 | Pass |
|                 |       | Outer Full      | 18.68 | / | / | 12.43 | / | / | <=38.45 | Pass |
|                 |       | Inner Full      | 18.66 | / | / | 12.41 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left  | 18.74 | / | / | 12.49 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Right | 18.73 | / | / | 12.48 | / | / | <=38.45 | Pass |

Note1: Antenna Gain: Ant1: -4.10dBi;  
Note2: EIRP=Conducted Power+Antenna Gain



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中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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## 1.2 15k\_SISO\_10MHz\_NTNV\_ERP

### 1.2.1 Test Result

| 5G NR n5 SCS=15kHz SISO 10MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 829             | Edge_1RB_Left   | 24.57                | /    | /   | 18.32    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.63                | /    | /   | 18.38    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.63                | /    | /   | 18.38    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.10                | /    | /   | 18.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.02                | /    | /   | 18.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.10                | /    | /   | 18.85    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.64                | /    | /   | 18.39    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.63                | /    | /   | 18.38    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.69                | /    | /   | 18.44    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.16                | /    | /   | 18.91    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.13                | /    | /   | 18.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.11                | /    | /   | 18.86    | /    | /   | <=38.45 | Pass    |
|                                   | 844             | Edge_1RB_Left   | 24.56                | /    | /   | 18.31    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.45                | /    | /   | 18.20    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.65                | /    | /   | 18.40    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.02                | /    | /   | 18.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.97                | /    | /   | 18.72    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                   | 829             | Edge_1RB_Left   | 24.05                | /    | /   | 17.80    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.10                | /    | /   | 17.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.17                | /    | /   | 17.92    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.14                | /    | /   | 18.89    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.05                | /    | /   | 18.80    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.03                | /    | /   | 18.78    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.10                | /    | /   | 17.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.09                | /    | /   | 17.84    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.15                | /    | /   | 17.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.18                | /    | /   | 18.93    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
|                                   | 844             | Edge_1RB_Left   | 24.02                | /    | /   | 17.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.93                | /    | /   | 17.68    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.06                | /    | /   | 17.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.99                | /    | /   | 18.74    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.88                | /    | /   | 18.63    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                 | 829             | Edge_1RB_Left   | 23.15                | /    | /   | 16.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.26                | /    | /   | 17.01    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 23.18                | /    | /   | 16.93    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 24.16                | /    | /   | 17.91    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.21                | /    | /   | 17.96    | /    | /   | <=38.45 | Pass    |



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中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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t (86-512) 62992980 sgs.china@sgs.com

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|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    | 836.5 | Inner 1RB Right | 24.31 | / | / | 18.06 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 23.31 | / | / | 17.06 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.24 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.17 | / | / | 16.92 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.18 | / | / | 17.93 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.38 | / | / | 18.13 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.27 | / | / | 18.02 | / | / | <=38.45 | Pass |
|                    | 844   | Edge 1RB Left   | 23.12 | / | / | 16.87 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.10 | / | / | 16.85 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.09 | / | / | 17.84 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.18 | / | / | 17.93 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.18 | / | / | 17.93 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.18 | / | / | 17.93 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM  | 829   | Edge 1RB Left   | 22.69 | / | / | 16.44 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.82 | / | / | 16.57 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.64 | / | / | 16.39 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.71 | / | / | 16.46 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.72 | / | / | 16.47 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.84 | / | / | 16.59 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.84 | / | / | 16.59 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 22.89 | / | / | 16.64 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.79 | / | / | 16.54 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.70 | / | / | 16.45 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.72 | / | / | 16.47 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.89 | / | / | 16.64 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.77 | / | / | 16.52 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.77 | / | / | 16.52 | / | / | <=38.45 | Pass |
|                    | 844   | Edge 1RB Left   | 22.71 | / | / | 16.46 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.73 | / | / | 16.48 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.61 | / | / | 16.36 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.64 | / | / | 16.39 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.72 | / | / | 16.47 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 829   | Edge 1RB Left   | 20.56 | / | / | 14.31 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.65 | / | / | 14.40 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.63 | / | / | 14.38 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.62 | / | / | 14.37 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.52 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.57 | / | / | 14.32 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.57 | / | / | 14.32 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 20.59 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.60 | / | / | 14.35 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.62 | / | / | 14.37 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.65 | / | / | 14.40 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.60 | / | / | 14.35 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.60 | / | / | 14.35 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.60 | / | / | 14.35 | / | / | <=38.45 | Pass |
|                    | 844   | Edge 1RB Left   | 20.52 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.48 | / | / | 14.23 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.59 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.51 | / | / | 14.26 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.52 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.49 | / | / | 14.24 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.49 | / | / | 14.24 | / | / | <=38.45 | Pass |



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t (86-512) 62992980 sgs.china@sgs.com

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|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM QPSK   | 829   | Edge_1RB_Left   | 22.01 | / | / | 15.76 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.07 | / | / | 15.82 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.14 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.63 | / | / | 17.38 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.41 | / | / | 17.16 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.49 | / | / | 17.24 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.04 | / | / | 15.79 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.08 | / | / | 15.83 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.16 | / | / | 15.91 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.63 | / | / | 17.38 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.62 | / | / | 17.37 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.50 | / | / | 17.25 | / | / | <=38.45 | Pass |
|                | 844   | Edge_1RB_Left   | 21.95 | / | / | 15.70 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.91 | / | / | 15.66 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.05 | / | / | 15.80 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.55 | / | / | 17.30 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.39 | / | / | 17.14 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.40 | / | / | 17.15 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM | 829   | Edge_1RB_Left   | 22.20 | / | / | 15.95 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.25 | / | / | 16.00 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.20 | / | / | 15.95 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.16 | / | / | 16.91 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.22 | / | / | 16.97 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.28 | / | / | 16.03 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.29 | / | / | 16.04 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.21 | / | / | 15.96 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.23 | / | / | 16.98 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.23 | / | / | 16.98 | / | / | <=38.45 | Pass |
|                | 844   | Edge_1RB_Left   | 22.14 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.12 | / | / | 15.87 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.19 | / | / | 15.94 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.01 | / | / | 16.76 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.17 | / | / | 16.92 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.12 | / | / | 16.87 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM | 829   | Edge_1RB_Left   | 21.63 | / | / | 15.38 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.72 | / | / | 15.47 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.68 | / | / | 15.43 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.62 | / | / | 15.37 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.64 | / | / | 15.39 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.72 | / | / | 15.47 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 21.67 | / | / | 15.42 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.72 | / | / | 15.47 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.69 | / | / | 15.44 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.73 | / | / | 15.48 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.71 | / | / | 15.46 | / | / | <=38.45 | Pass |
|                | 844   | Edge_1RB_Left   | 21.64 | / | / | 15.39 | / | / | <=38.45 | Pass |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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|                                          |                 |                 |       |   |       |       |   |         |         |      |
|------------------------------------------|-----------------|-----------------|-------|---|-------|-------|---|---------|---------|------|
| CP-OFDM 256 QAM                          |                 | Edge 1RB Right  | 21.59 | / | /     | 15.34 | / | /       | <=38.45 | Pass |
|                                          |                 | Outer Full      | 21.64 | / | /     | 15.39 | / | /       | <=38.45 | Pass |
|                                          |                 | Inner Full      | 21.57 | / | /     | 15.32 | / | /       | <=38.45 | Pass |
|                                          |                 | Inner 1RB Left  | 21.62 | / | /     | 15.37 | / | /       | <=38.45 | Pass |
|                                          |                 | Inner 1RB Right | 21.63 | / | /     | 15.38 | / | /       | <=38.45 | Pass |
|                                          | 829             | Edge 1RB Left   | 18.73 | / | /     | 12.48 | / | /       | <=38.45 | Pass |
|                                          |                 | Edge 1RB Right  | 18.81 | / | /     | 12.56 | / | /       | <=38.45 | Pass |
|                                          |                 | Outer Full      | 18.64 | / | /     | 12.39 | / | /       | <=38.45 | Pass |
|                                          |                 | Inner Full      | 18.61 | / | /     | 12.36 | / | /       | <=38.45 | Pass |
|                                          |                 | Inner 1RB Left  | 18.75 | / | /     | 12.50 | / | /       | <=38.45 | Pass |
|                                          | 836.5           | Inner 1RB Right | 18.75 | / | /     | 12.50 | / | /       | <=38.45 | Pass |
|                                          |                 | Edge 1RB Left   | 18.85 | / | /     | 12.60 | / | /       | <=38.45 | Pass |
|                                          |                 | Edge 1RB Right  | 18.81 | / | /     | 12.56 | / | /       | <=38.45 | Pass |
|                                          |                 | Outer Full      | 18.68 | / | /     | 12.43 | / | /       | <=38.45 | Pass |
|                                          |                 | Inner Full      | 18.68 | / | /     | 12.43 | / | /       | <=38.45 | Pass |
|                                          | 844             | Inner 1RB Left  | 18.76 | / | /     | 12.51 | / | /       | <=38.45 | Pass |
|                                          |                 | Inner 1RB Right | 18.79 | / | /     | 12.54 | / | /       | <=38.45 | Pass |
|                                          |                 | Edge 1RB Left   | 18.66 | / | /     | 12.41 | / | /       | <=38.45 | Pass |
|                                          |                 | Edge 1RB Right  | 18.68 | / | /     | 12.43 | / | /       | <=38.45 | Pass |
|                                          |                 | Outer Full      | 18.56 | / | /     | 12.31 | / | /       | <=38.45 | Pass |
|                                          | Inner Full      | 18.57           | /     | / | 12.32 | /     | / | <=38.45 | Pass    |      |
|                                          | Inner 1RB Left  | 18.72           | /     | / | 12.47 | /     | / | <=38.45 | Pass    |      |
|                                          | Inner 1RB Right | 18.74           | /     | / | 12.49 | /     | / | <=38.45 | Pass    |      |
| Note1: Antenna Gain: Ant1: -4.10dBi;     |                 |                 |       |   |       |       |   |         |         |      |
| Note2: EIRP=Conducted Power+Antenna Gain |                 |                 |       |   |       |       |   |         |         |      |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

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### 1.3 15k\_SISO\_15MHz\_NTNV\_ERP

#### 1.3.1 Test Result

| 5G NR n5 SCS=15kHz SISO 15MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 831.5           | Edge_1RB_Left   | 24.49                | /    | /   | 18.24    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.60                | /    | /   | 18.35    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.65                | /    | /   | 18.40    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.13                | /    | /   | 18.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.03                | /    | /   | 18.78    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.64                | /    | /   | 18.39    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.58                | /    | /   | 18.33    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.64                | /    | /   | 18.39    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.15                | /    | /   | 18.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   | 841.5           | Edge_1RB_Left   | 24.54                | /    | /   | 18.29    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.55                | /    | /   | 18.30    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.61                | /    | /   | 18.36    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.10                | /    | /   | 18.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.03                | /    | /   | 18.78    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                   | 831.5           | Edge_1RB_Left   | 23.99                | /    | /   | 17.74    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.06                | /    | /   | 17.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.13                | /    | /   | 17.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.13                | /    | /   | 18.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.00                | /    | /   | 18.75    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.99                | /    | /   | 18.74    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.14                | /    | /   | 17.89    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.09                | /    | /   | 17.84    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.17                | /    | /   | 17.92    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.19                | /    | /   | 18.94    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.10                | /    | /   | 18.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.05                | /    | /   | 18.80    | /    | /   | <=38.45 | Pass    |
|                                   | 841.5           | Edge_1RB_Left   | 24.02                | /    | /   | 17.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.00                | /    | /   | 17.75    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.13                | /    | /   | 17.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.13                | /    | /   | 18.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.94                | /    | /   | 18.69    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.94                | /    | /   | 18.69    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                 | 831.5           | Edge_1RB_Left   | 23.09                | /    | /   | 16.84    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.16                | /    | /   | 16.91    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 23.12                | /    | /   | 16.87    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 24.13                | /    | /   | 17.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.18                | /    | /   | 17.93    | /    | /   | <=38.45 | Pass    |



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|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    | 836.5 | Inner 1RB Right | 24.24 | / | / | 17.99 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 23.26 | / | / | 17.01 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.23 | / | / | 16.98 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.16 | / | / | 16.91 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.20 | / | / | 17.95 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.36 | / | / | 18.11 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.27 | / | / | 18.02 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge 1RB Left   | 23.20 | / | / | 16.95 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.16 | / | / | 16.91 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.09 | / | / | 16.84 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.17 | / | / | 17.92 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.23 | / | / | 17.98 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.23 | / | / | 17.98 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.23 | / | / | 17.98 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM  | 831.5 | Edge 1RB Left   | 22.71 | / | / | 16.46 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.67 | / | / | 16.42 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.66 | / | / | 16.41 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 22.87 | / | / | 16.62 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.81 | / | / | 16.56 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.69 | / | / | 16.44 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.70 | / | / | 16.45 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.89 | / | / | 16.64 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.81 | / | / | 16.56 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge 1RB Left   | 22.79 | / | / | 16.54 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.79 | / | / | 16.54 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.64 | / | / | 16.39 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.64 | / | / | 16.39 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.81 | / | / | 16.56 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.78 | / | / | 16.53 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 831.5 | Edge 1RB Left   | 20.48 | / | / | 14.23 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.47 | / | / | 14.22 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.58 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.58 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.51 | / | / | 14.26 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.53 | / | / | 14.28 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 20.62 | / | / | 14.37 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.50 | / | / | 14.25 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.61 | / | / | 14.36 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.60 | / | / | 14.35 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.63 | / | / | 14.38 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.57 | / | / | 14.32 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge 1RB Left   | 20.52 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.55 | / | / | 14.30 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.56 | / | / | 14.31 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.58 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.58 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.55 | / | / | 14.30 | / | / | <=38.45 | Pass |



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|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM QPSK   | 831.5 | Edge_1RB_Left   | 21.90 | / | / | 15.65 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.98 | / | / | 15.73 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.60 | / | / | 17.35 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.42 | / | / | 17.17 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.46 | / | / | 17.21 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.14 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.01 | / | / | 15.76 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.18 | / | / | 15.93 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.63 | / | / | 17.38 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.50 | / | / | 17.25 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.47 | / | / | 17.22 | / | / | <=38.45 | Pass |
|                | 841.5 | Edge_1RB_Left   | 21.98 | / | / | 15.73 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.89 | / | / | 15.64 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.10 | / | / | 15.85 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.62 | / | / | 17.37 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.43 | / | / | 17.18 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.42 | / | / | 17.17 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM | 831.5 | Edge_1RB_Left   | 22.16 | / | / | 15.91 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.11 | / | / | 15.86 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.12 | / | / | 16.87 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.10 | / | / | 16.85 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.15 | / | / | 16.90 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.27 | / | / | 16.02 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.24 | / | / | 15.99 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.19 | / | / | 15.94 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.20 | / | / | 16.95 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.21 | / | / | 16.96 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.19 | / | / | 16.94 | / | / | <=38.45 | Pass |
|                | 841.5 | Edge_1RB_Left   | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.14 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.09 | / | / | 15.84 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.15 | / | / | 16.90 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.16 | / | / | 16.91 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM | 831.5 | Edge_1RB_Left   | 21.62 | / | / | 15.37 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.69 | / | / | 15.44 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.59 | / | / | 15.34 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.64 | / | / | 15.39 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.63 | / | / | 15.38 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.65 | / | / | 15.40 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 21.71 | / | / | 15.46 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.67 | / | / | 15.42 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.72 | / | / | 15.47 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.69 | / | / | 15.44 | / | / | <=38.45 | Pass |
|                | 841.5 | Edge_1RB_Left   | 21.70 | / | / | 15.45 | / | / | <=38.45 | Pass |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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|-----------------|----------------------------------------------------------------------------------|-----------------|-------|---|-------|-------|---|---------|---------|------|--|
|                 |                                                                                  | Edge 1RB Right  | 21.64 | / | /     | 15.39 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Outer Full      | 21.65 | / | /     | 15.40 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Inner Full      | 21.66 | / | /     | 15.41 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Left  | 21.67 | / | /     | 15.42 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Right | 21.66 | / | /     | 15.41 | / | /       | <=38.45 | Pass |  |
| CP-OFDM 256 QAM | 831.5                                                                            | Edge 1RB Left   | 18.70 | / | /     | 12.45 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Right  | 18.76 | / | /     | 12.51 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Outer Full      | 18.56 | / | /     | 12.31 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Inner Full      | 18.63 | / | /     | 12.38 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Left  | 18.66 | / | /     | 12.41 | / | /       | <=38.45 | Pass |  |
|                 | 836.5                                                                            | Inner 1RB Right | 18.75 | / | /     | 12.50 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Left   | 18.74 | / | /     | 12.49 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Right  | 18.73 | / | /     | 12.48 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Outer Full      | 18.69 | / | /     | 12.44 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Inner Full      | 18.70 | / | /     | 12.45 | / | /       | <=38.45 | Pass |  |
|                 | 841.5                                                                            | Inner 1RB Left  | 18.68 | / | /     | 12.43 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Right | 18.77 | / | /     | 12.52 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Left   | 18.76 | / | /     | 12.51 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Right  | 18.71 | / | /     | 12.46 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Outer Full      | 18.59 | / | /     | 12.34 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Inner Full      | 18.59 | / | /     | 12.34 | / | /       | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Left  | 18.73 | / | /     | 12.48 | / | /       | <=38.45 | Pass |  |
|                 | Inner 1RB Right                                                                  | 18.72           | /     | / | 12.47 | /     | / | <=38.45 | Pass    |      |  |
|                 | Note1: Antenna Gain: Ant1: -4.10dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |       |   |       |       |   |         |         |      |  |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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## 1.4 15k\_SISO\_20MHz\_NTNV\_ERP

### 1.4.1 Test Result

| 5G NR n5 SCS=15kHz SISO 20MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 834             | Edge_1RB_Left   | 24.49                | /    | /   | 18.24    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.50                | /    | /   | 18.25    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.55                | /    | /   | 18.30    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.11                | /    | /   | 18.86    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.00                | /    | /   | 18.75    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.04                | /    | /   | 18.79    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.67                | /    | /   | 18.42    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.58                | /    | /   | 18.33    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.64                | /    | /   | 18.39    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.20                | /    | /   | 18.95    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.18                | /    | /   | 18.93    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.07                | /    | /   | 18.82    | /    | /   | <=38.45 | Pass    |
|                                   | 839             | Edge_1RB_Left   | 24.58                | /    | /   | 18.33    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.50                | /    | /   | 18.25    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.64                | /    | /   | 18.39    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.14                | /    | /   | 18.89    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.12                | /    | /   | 18.87    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.02                | /    | /   | 18.77    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                   | 834             | Edge_1RB_Left   | 23.95                | /    | /   | 17.70    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.98                | /    | /   | 17.73    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.08                | /    | /   | 17.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.10                | /    | /   | 18.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.94                | /    | /   | 18.69    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.97                | /    | /   | 18.72    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.10                | /    | /   | 17.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.03                | /    | /   | 17.78    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.20                | /    | /   | 17.95    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.20                | /    | /   | 18.95    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.00                | /    | /   | 18.75    | /    | /   | <=38.45 | Pass    |
|                                   | 839             | Edge_1RB_Left   | 24.08                | /    | /   | 17.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.99                | /    | /   | 17.74    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.16                | /    | /   | 17.91    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.13                | /    | /   | 18.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.83                | /    | /   | 18.58    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                 | 834             | Edge_1RB_Left   | 23.08                | /    | /   | 16.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.14                | /    | /   | 16.89    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 23.07                | /    | /   | 16.82    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 24.12                | /    | /   | 17.87    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.11                | /    | /   | 17.86    | /    | /   | <=38.45 | Pass    |



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|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| DFT-s-OFDM 64 QAM  | 836.5 | Inner 1RB Right | 24.20 | / | / | 17.95 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 23.30 | / | / | 17.05 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.24 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.15 | / | / | 16.90 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.23 | / | / | 17.98 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.34 | / | / | 18.09 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.29 | / | / | 18.04 | / | / | <=38.45 | Pass |
|                    | 839   | Edge 1RB Left   | 23.30 | / | / | 17.05 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.20 | / | / | 16.95 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.14 | / | / | 16.89 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.16 | / | / | 17.91 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.23 | / | / | 17.98 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.22 | / | / | 17.97 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 22.63 | / | / | 16.38 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 834   | Edge 1RB Right  | 22.62 | / | / | 16.37 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.54 | / | / | 16.29 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.58 | / | / | 16.33 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.68 | / | / | 16.43 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.72 | / | / | 16.47 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 22.90 | / | / | 16.65 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.74 | / | / | 16.49 | / | / | <=38.45 | Pass |
|                    | 836.5 | Outer Full      | 22.67 | / | / | 16.42 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.69 | / | / | 16.44 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.83 | / | / | 16.58 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.80 | / | / | 16.55 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 22.84 | / | / | 16.59 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.77 | / | / | 16.52 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.65 | / | / | 16.40 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 839   | Inner Full      | 22.65 | / | / | 16.40 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.86 | / | / | 16.61 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
|                    | 834   | Edge 1RB Left   | 20.48 | / | / | 14.23 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.45 | / | / | 14.20 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.54 | / | / | 14.29 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.59 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.50 | / | / | 14.25 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.53 | / | / | 14.28 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 20.56 | / | / | 14.31 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Edge 1RB Right  | 20.47 | / | / | 14.22 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.64 | / | / | 14.39 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.66 | / | / | 14.41 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.63 | / | / | 14.38 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.55 | / | / | 14.30 | / | / | <=38.45 | Pass |
|                    | 839   | Edge 1RB Left   | 20.56 | / | / | 14.31 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.52 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.67 | / | / | 14.42 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.63 | / | / | 14.38 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.50 | / | / | 14.25 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.53 | / | / | 14.28 | / | / | <=38.45 | Pass |



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|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM QPSK   | 834   | Edge_1RB_Left   | 21.89 | / | / | 15.64 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.90 | / | / | 15.65 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.08 | / | / | 15.83 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.60 | / | / | 17.35 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.36 | / | / | 17.11 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.42 | / | / | 17.17 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.05 | / | / | 15.80 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.95 | / | / | 15.70 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.22 | / | / | 15.97 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.68 | / | / | 17.43 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.57 | / | / | 17.32 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.49 | / | / | 17.24 | / | / | <=38.45 | Pass |
|                | 839   | Edge_1RB_Left   | 22.07 | / | / | 15.82 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.90 | / | / | 15.65 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.19 | / | / | 15.94 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.68 | / | / | 17.43 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.48 | / | / | 17.23 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.42 | / | / | 17.17 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM | 834   | Edge_1RB_Left   | 22.14 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.05 | / | / | 15.80 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.10 | / | / | 16.85 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.10 | / | / | 16.85 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.31 | / | / | 16.06 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.18 | / | / | 15.93 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.14 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.16 | / | / | 16.91 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.24 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.16 | / | / | 16.91 | / | / | <=38.45 | Pass |
|                | 839   | Edge_1RB_Left   | 22.27 | / | / | 16.02 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.15 | / | / | 15.90 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.17 | / | / | 16.92 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.22 | / | / | 16.97 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.11 | / | / | 16.86 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM | 834   | Edge_1RB_Left   | 21.58 | / | / | 15.33 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.62 | / | / | 15.37 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.55 | / | / | 15.30 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.55 | / | / | 15.30 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.58 | / | / | 15.33 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.64 | / | / | 15.39 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 21.76 | / | / | 15.51 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.64 | / | / | 15.39 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.64 | / | / | 15.39 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.73 | / | / | 15.48 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                | 839   | Edge_1RB_Left   | 21.70 | / | / | 15.45 | / | / | <=38.45 | Pass |



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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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|                                                                                  |                 |                 |       |   |       |       |   |         |         |      |
|----------------------------------------------------------------------------------|-----------------|-----------------|-------|---|-------|-------|---|---------|---------|------|
|                                                                                  |                 | Edge 1RB Right  | 21.60 | / | /     | 15.35 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Outer Full      | 21.64 | / | /     | 15.39 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Inner Full      | 21.61 | / | /     | 15.36 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Inner 1RB Left  | 21.69 | / | /     | 15.44 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Inner 1RB Right | 21.63 | / | /     | 15.38 | / | /       | <=38.45 | Pass |
| CP-OFDM 256 QAM                                                                  | 834             | Edge 1RB Left   | 18.66 | / | /     | 12.41 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Edge 1RB Right  | 18.62 | / | /     | 12.37 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Outer Full      | 18.54 | / | /     | 12.29 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Inner Full      | 18.57 | / | /     | 12.32 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Inner 1RB Left  | 18.61 | / | /     | 12.36 | / | /       | <=38.45 | Pass |
|                                                                                  | 836.5           | Inner 1RB Right | 18.66 | / | /     | 12.41 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Edge 1RB Left   | 18.75 | / | /     | 12.50 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Edge 1RB Right  | 18.67 | / | /     | 12.42 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Outer Full      | 18.66 | / | /     | 12.41 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Inner Full      | 18.65 | / | /     | 12.40 | / | /       | <=38.45 | Pass |
|                                                                                  | 839             | Inner 1RB Left  | 18.67 | / | /     | 12.42 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Inner 1RB Right | 18.78 | / | /     | 12.53 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Edge 1RB Left   | 18.72 | / | /     | 12.47 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Edge 1RB Right  | 18.60 | / | /     | 12.35 | / | /       | <=38.45 | Pass |
|                                                                                  |                 | Outer Full      | 18.62 | / | /     | 12.37 | / | /       | <=38.45 | Pass |
|                                                                                  | Inner Full      | 18.62           | /     | / | 12.37 | /     | / | <=38.45 | Pass    |      |
|                                                                                  | Inner 1RB Left  | 18.64           | /     | / | 12.39 | /     | / | <=38.45 | Pass    |      |
|                                                                                  | Inner 1RB Right | 18.65           | /     | / | 12.40 | /     | / | <=38.45 | Pass    |      |
| Note1: Antenna Gain: Ant1: -4.10dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |                 |       |   |       |       |   |         |         |      |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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## 1.5 30k\_SISO\_10MHz\_NTNV\_ERP

### 1.5.1 Test Result

| 5G NR n5 SCS=30kHz SISO 10MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 829             | Edge_1RB_Left   | 24.64                | /    | /   | 18.39    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.71                | /    | /   | 18.46    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.68                | /    | /   | 18.43    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.19                | /    | /   | 18.94    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.13                | /    | /   | 18.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.18                | /    | /   | 18.93    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.73                | /    | /   | 18.48    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.62                | /    | /   | 18.37    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.72                | /    | /   | 18.47    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.31                | /    | /   | 19.06    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.19                | /    | /   | 18.94    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.13                | /    | /   | 18.88    | /    | /   | <=38.45 | Pass    |
|                                   | 844             | Edge_1RB_Left   | 24.58                | /    | /   | 18.33    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.50                | /    | /   | 18.25    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.63                | /    | /   | 18.38    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                   | 829             | Edge_1RB_Left   | 24.12                | /    | /   | 17.87    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.08                | /    | /   | 17.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.23                | /    | /   | 17.98    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.32                | /    | /   | 19.07    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.09                | /    | /   | 18.84    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.16                | /    | /   | 17.91    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.14                | /    | /   | 17.89    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.12                | /    | /   | 17.87    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.34                | /    | /   | 19.09    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.11                | /    | /   | 18.86    | /    | /   | <=38.45 | Pass    |
|                                   | 844             | Edge_1RB_Left   | 24.06                | /    | /   | 17.81    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.02                | /    | /   | 17.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.12                | /    | /   | 17.87    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.17                | /    | /   | 18.92    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.02                | /    | /   | 18.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.95                | /    | /   | 18.70    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                 | 829             | Edge_1RB_Left   | 23.30                | /    | /   | 17.05    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.39                | /    | /   | 17.14    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 23.10                | /    | /   | 16.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 24.18                | /    | /   | 17.93    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.31                | /    | /   | 18.06    | /    | /   | <=38.45 | Pass    |



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|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    | 836.5 | Inner 1RB Right | 24.43 | / | / | 18.18 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 23.38 | / | / | 17.13 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.33 | / | / | 17.08 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.16 | / | / | 16.91 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.15 | / | / | 17.90 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.45 | / | / | 18.20 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.30 | / | / | 18.05 | / | / | <=38.45 | Pass |
|                    | 844   | Edge 1RB Left   | 23.24 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.25 | / | / | 17.00 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.14 | / | / | 16.89 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.11 | / | / | 17.86 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.29 | / | / | 18.04 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.28 | / | / | 18.03 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.28 | / | / | 18.03 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM  | 829   | Edge 1RB Left   | 22.71 | / | / | 16.46 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.70 | / | / | 16.45 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.71 | / | / | 16.46 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.64 | / | / | 16.39 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.68 | / | / | 16.43 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.78 | / | / | 16.53 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.78 | / | / | 16.53 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.76 | / | / | 16.51 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.79 | / | / | 16.54 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.72 | / | / | 16.47 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.78 | / | / | 16.53 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.74 | / | / | 16.49 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.74 | / | / | 16.49 | / | / | <=38.45 | Pass |
|                    | 844   | Edge 1RB Left   | 22.68 | / | / | 16.43 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.60 | / | / | 16.35 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.69 | / | / | 16.44 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.60 | / | / | 16.35 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.70 | / | / | 16.45 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.62 | / | / | 16.37 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.62 | / | / | 16.37 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 829   | Edge 1RB Left   | 20.70 | / | / | 14.45 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.80 | / | / | 14.55 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.77 | / | / | 14.52 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.84 | / | / | 14.59 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.79 | / | / | 14.54 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.75 | / | / | 14.50 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.75 | / | / | 14.50 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 20.79 | / | / | 14.54 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.78 | / | / | 14.53 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.66 | / | / | 14.41 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.76 | / | / | 14.51 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.79 | / | / | 14.54 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.83 | / | / | 14.58 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.83 | / | / | 14.58 | / | / | <=38.45 | Pass |
|                    | 844   | Edge 1RB Left   | 20.73 | / | / | 14.48 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.64 | / | / | 14.39 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.58 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.54 | / | / | 14.29 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.65 | / | / | 14.40 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.64 | / | / | 14.39 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.64 | / | / | 14.39 | / | / | <=38.45 | Pass |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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t (86-512) 62992980 sgs.china@sgs.com

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|                |       |                 |       |   |   |       |   |   |         |      |
|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM QPSK   | 829   | Edge_1RB_Left   | 22.06 | / | / | 15.81 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.08 | / | / | 15.83 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.19 | / | / | 15.94 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.52 | / | / | 17.27 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.67 | / | / | 17.42 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.58 | / | / | 17.33 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.08 | / | / | 15.83 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.02 | / | / | 15.77 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.14 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.61 | / | / | 17.36 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.67 | / | / | 17.42 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.51 | / | / | 17.26 | / | / | <=38.45 | Pass |
|                | 844   | Edge_1RB_Left   | 21.99 | / | / | 15.74 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.91 | / | / | 15.66 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.08 | / | / | 15.83 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.48 | / | / | 17.23 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.35 | / | / | 17.10 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.49 | / | / | 17.24 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM | 829   | Edge_1RB_Left   | 22.26 | / | / | 16.01 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.34 | / | / | 16.09 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.22 | / | / | 15.97 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.07 | / | / | 16.82 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.20 | / | / | 16.95 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.24 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.31 | / | / | 16.06 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.33 | / | / | 16.08 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.08 | / | / | 15.83 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.08 | / | / | 16.83 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.24 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.24 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                | 844   | Edge_1RB_Left   | 22.23 | / | / | 15.98 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.13 | / | / | 15.88 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.08 | / | / | 15.83 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.09 | / | / | 16.84 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.19 | / | / | 16.94 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.15 | / | / | 16.90 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM | 829   | Edge_1RB_Left   | 21.85 | / | / | 15.60 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.88 | / | / | 15.63 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.59 | / | / | 15.34 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.75 | / | / | 15.50 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.87 | / | / | 15.62 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.92 | / | / | 15.67 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 21.88 | / | / | 15.63 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.85 | / | / | 15.60 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.69 | / | / | 15.44 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.88 | / | / | 15.63 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.94 | / | / | 15.69 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.88 | / | / | 15.63 | / | / | <=38.45 | Pass |
|                | 844   | Edge_1RB_Left   | 21.79 | / | / | 15.54 | / | / | <=38.45 | Pass |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

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|                 |       |                                                                                  |       |   |   |       |   |   |         |      |
|-----------------|-------|----------------------------------------------------------------------------------|-------|---|---|-------|---|---|---------|------|
|                 |       | Edge 1RB Right                                                                   | 21.74 | / | / | 15.49 | / | / | <=38.45 | Pass |
|                 |       | Outer Full                                                                       | 21.65 | / | / | 15.40 | / | / | <=38.45 | Pass |
|                 |       | Inner Full                                                                       | 21.76 | / | / | 15.51 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left                                                                   | 21.76 | / | / | 15.51 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Right                                                                  | 21.74 | / | / | 15.49 | / | / | <=38.45 | Pass |
| CP-OFDM 256 QAM | 829   | Edge 1RB Left                                                                    | 18.87 | / | / | 12.62 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right                                                                   | 18.89 | / | / | 12.64 | / | / | <=38.45 | Pass |
|                 |       | Outer Full                                                                       | 18.63 | / | / | 12.38 | / | / | <=38.45 | Pass |
|                 |       | Inner Full                                                                       | 18.47 | / | / | 12.22 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left                                                                   | 18.82 | / | / | 12.57 | / | / | <=38.45 | Pass |
|                 | 836.5 | Inner 1RB Right                                                                  | 18.85 | / | / | 12.60 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Left                                                                    | 18.89 | / | / | 12.64 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right                                                                   | 18.88 | / | / | 12.63 | / | / | <=38.45 | Pass |
|                 |       | Outer Full                                                                       | 18.64 | / | / | 12.39 | / | / | <=38.45 | Pass |
|                 |       | Inner Full                                                                       | 18.76 | / | / | 12.51 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left                                                                   | 18.89 | / | / | 12.64 | / | / | <=38.45 | Pass |
|                 | 844   | Inner 1RB Right                                                                  | 18.84 | / | / | 12.59 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Left                                                                    | 18.77 | / | / | 12.52 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right                                                                   | 18.58 | / | / | 12.33 | / | / | <=38.45 | Pass |
|                 |       | Outer Full                                                                       | 18.56 | / | / | 12.31 | / | / | <=38.45 | Pass |
|                 |       | Inner Full                                                                       | 18.64 | / | / | 12.39 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left                                                                   | 18.80 | / | / | 12.55 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Right                                                                  | 18.71 | / | / | 12.46 | / | / | <=38.45 | Pass |
|                 |       | Note1: Antenna Gain: Ant1: -4.10dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |       |   |   |       |   |   |         |      |



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## 1.6 30k\_SISO\_15MHz\_NTNV\_ERP

### 1.6.1 Test Result

| 5G NR n5 SCS=30kHz SISO 15MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 831.5           | Edge_1RB_Left   | 24.57                | /    | /   | 18.32    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.63                | /    | /   | 18.38    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.69                | /    | /   | 18.44    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.15                | /    | /   | 18.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.07                | /    | /   | 18.82    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.12                | /    | /   | 18.87    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.67                | /    | /   | 18.42    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.62                | /    | /   | 18.37    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.68                | /    | /   | 18.43    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.19                | /    | /   | 18.94    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.18                | /    | /   | 18.93    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.14                | /    | /   | 18.89    | /    | /   | <=38.45 | Pass    |
|                                   | 841.5           | Edge_1RB_Left   | 24.63                | /    | /   | 18.38    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.57                | /    | /   | 18.32    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.59                | /    | /   | 18.34    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.17                | /    | /   | 18.92    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.09                | /    | /   | 18.84    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.05                | /    | /   | 18.80    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                   | 831.5           | Edge_1RB_Left   | 24.09                | /    | /   | 17.84    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.09                | /    | /   | 17.84    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.17                | /    | /   | 17.92    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.14                | /    | /   | 18.89    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.03                | /    | /   | 18.78    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.91                | /    | /   | 18.66    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.15                | /    | /   | 17.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.08                | /    | /   | 17.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.17                | /    | /   | 17.92    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.15                | /    | /   | 18.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   | 841.5           | Edge_1RB_Left   | 24.02                | /    | /   | 17.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.03                | /    | /   | 17.78    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.10                | /    | /   | 17.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.02                | /    | /   | 18.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.99                | /    | /   | 18.74    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                 | 831.5           | Edge_1RB_Left   | 23.24                | /    | /   | 16.99    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.26                | /    | /   | 17.01    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 23.15                | /    | /   | 16.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 24.17                | /    | /   | 17.92    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.24                | /    | /   | 17.99    | /    | /   | <=38.45 | Pass    |



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|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    | 836.5 | Inner 1RB Right | 24.23 | / | / | 17.98 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 23.35 | / | / | 17.10 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.28 | / | / | 17.03 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.26 | / | / | 17.01 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.20 | / | / | 17.95 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.37 | / | / | 18.12 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.29 | / | / | 18.04 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge 1RB Left   | 23.27 | / | / | 17.02 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.20 | / | / | 16.95 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.30 | / | / | 17.05 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.13 | / | / | 17.88 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.23 | / | / | 17.98 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.26 | / | / | 18.01 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.26 | / | / | 18.01 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM  | 831.5 | Edge 1RB Left   | 22.83 | / | / | 16.58 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.75 | / | / | 16.50 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.65 | / | / | 16.40 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.83 | / | / | 16.58 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.71 | / | / | 16.46 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.71 | / | / | 16.46 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 22.83 | / | / | 16.58 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.83 | / | / | 16.58 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.73 | / | / | 16.48 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.75 | / | / | 16.50 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.85 | / | / | 16.60 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.82 | / | / | 16.57 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge 1RB Left   | 22.81 | / | / | 16.56 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.67 | / | / | 16.42 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.64 | / | / | 16.39 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.63 | / | / | 16.38 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.79 | / | / | 16.54 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.73 | / | / | 16.48 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 831.5 | Edge 1RB Left   | 20.73 | / | / | 14.48 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.71 | / | / | 14.46 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.51 | / | / | 14.26 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.57 | / | / | 14.32 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.69 | / | / | 14.44 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.76 | / | / | 14.51 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 20.82 | / | / | 14.57 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.84 | / | / | 14.59 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.65 | / | / | 14.40 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.62 | / | / | 14.37 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.77 | / | / | 14.52 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.77 | / | / | 14.52 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge 1RB Left   | 20.91 | / | / | 14.66 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.70 | / | / | 14.45 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.70 | / | / | 14.45 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.72 | / | / | 14.47 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.79 | / | / | 14.54 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.70 | / | / | 14.45 | / | / | <=38.45 | Pass |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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|                |       |                 |       |   |   |       |   |   |         |      |
|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM QPSK   | 831.5 | Edge_1RB_Left   | 21.95 | / | / | 15.70 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.92 | / | / | 15.67 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.15 | / | / | 15.90 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.66 | / | / | 17.41 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.39 | / | / | 17.14 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.41 | / | / | 17.16 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.03 | / | / | 15.78 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.95 | / | / | 15.70 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.21 | / | / | 15.96 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.62 | / | / | 17.37 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.52 | / | / | 17.27 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.46 | / | / | 17.21 | / | / | <=38.45 | Pass |
|                | 841.5 | Edge_1RB_Left   | 21.94 | / | / | 15.69 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.89 | / | / | 15.64 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.16 | / | / | 15.91 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.67 | / | / | 17.42 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.50 | / | / | 17.25 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.49 | / | / | 17.24 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM | 831.5 | Edge_1RB_Left   | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.16 | / | / | 15.91 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.20 | / | / | 16.95 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.08 | / | / | 16.83 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.28 | / | / | 16.03 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.27 | / | / | 16.02 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.21 | / | / | 15.96 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.31 | / | / | 17.06 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.17 | / | / | 16.92 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.17 | / | / | 16.92 | / | / | <=38.45 | Pass |
|                | 841.5 | Edge_1RB_Left   | 22.16 | / | / | 15.91 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.16 | / | / | 15.91 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.14 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.23 | / | / | 16.98 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.14 | / | / | 16.89 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.01 | / | / | 16.76 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM | 831.5 | Edge_1RB_Left   | 21.77 | / | / | 15.52 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.76 | / | / | 15.51 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.60 | / | / | 15.35 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.64 | / | / | 15.39 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.72 | / | / | 15.47 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.77 | / | / | 15.52 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 21.86 | / | / | 15.61 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.72 | / | / | 15.47 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.59 | / | / | 15.34 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.87 | / | / | 15.62 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.81 | / | / | 15.56 | / | / | <=38.45 | Pass |
|                | 841.5 | Edge_1RB_Left   | 21.78 | / | / | 15.53 | / | / | <=38.45 | Pass |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000

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|                 |       |                 |       |   |   |       |   |   |         |      |
|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM 256 QAM |       | Edge 1RB Right  | 21.72 | / | / | 15.47 | / | / | <=38.45 | Pass |
|                 |       | Outer Full      | 21.60 | / | / | 15.35 | / | / | <=38.45 | Pass |
|                 |       | Inner Full      | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left  | 21.79 | / | / | 15.54 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Right | 21.72 | / | / | 15.47 | / | / | <=38.45 | Pass |
|                 | 831.5 | Edge 1RB Left   | 18.72 | / | / | 12.47 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right  | 18.75 | / | / | 12.50 | / | / | <=38.45 | Pass |
|                 |       | Outer Full      | 18.57 | / | / | 12.32 | / | / | <=38.45 | Pass |
|                 |       | Inner Full      | 18.58 | / | / | 12.33 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left  | 18.75 | / | / | 12.50 | / | / | <=38.45 | Pass |
|                 | 836.5 | Inner 1RB Right | 18.75 | / | / | 12.50 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Left   | 18.77 | / | / | 12.52 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right  | 18.78 | / | / | 12.53 | / | / | <=38.45 | Pass |
|                 |       | Outer Full      | 18.68 | / | / | 12.43 | / | / | <=38.45 | Pass |
|                 |       | Inner Full      | 18.74 | / | / | 12.49 | / | / | <=38.45 | Pass |
|                 | 841.5 | Inner 1RB Left  | 18.76 | / | / | 12.51 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Right | 18.79 | / | / | 12.54 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Left   | 18.77 | / | / | 12.52 | / | / | <=38.45 | Pass |
|                 |       | Edge 1RB Right  | 18.66 | / | / | 12.41 | / | / | <=38.45 | Pass |
|                 |       | Outer Full      | 18.55 | / | / | 12.30 | / | / | <=38.45 | Pass |
|                 |       | Inner Full      | 18.62 | / | / | 12.37 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Left  | 18.74 | / | / | 12.49 | / | / | <=38.45 | Pass |
|                 |       | Inner 1RB Right | 18.71 | / | / | 12.46 | / | / | <=38.45 | Pass |

Note1: Antenna Gain: Ant1: -4.10dBi;

Note2: EIRP=Conducted Power+Antenna Gain



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## 1.7 30k\_SISO\_20MHz\_NTNV\_ERP

### 1.7.1 Test Result

| 5G NR n5 SCS=30kHz SISO 20MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 834             | Edge_1RB_Left   | 24.57                | /    | /   | 18.32    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.55                | /    | /   | 18.30    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.56                | /    | /   | 18.31    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.03                | /    | /   | 18.78    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.03                | /    | /   | 18.78    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.07                | /    | /   | 18.82    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.72                | /    | /   | 18.47    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.63                | /    | /   | 18.38    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.68                | /    | /   | 18.43    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.18                | /    | /   | 18.93    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.21                | /    | /   | 18.96    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.12                | /    | /   | 18.87    | /    | /   | <=38.45 | Pass    |
|                                   | 839             | Edge_1RB_Left   | 24.70                | /    | /   | 18.45    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.61                | /    | /   | 18.36    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.66                | /    | /   | 18.41    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.21                | /    | /   | 18.96    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.15                | /    | /   | 18.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.06                | /    | /   | 18.81    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                   | 834             | Edge_1RB_Left   | 24.02                | /    | /   | 17.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.07                | /    | /   | 17.82    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.02                | /    | /   | 17.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.08                | /    | /   | 18.83    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.94                | /    | /   | 18.69    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.00                | /    | /   | 18.75    | /    | /   | <=38.45 | Pass    |
|                                   | 836.5           | Edge_1RB_Left   | 24.15                | /    | /   | 17.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.10                | /    | /   | 17.85    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.21                | /    | /   | 17.96    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.23                | /    | /   | 18.98    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.07                | /    | /   | 18.82    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.03                | /    | /   | 18.78    | /    | /   | <=38.45 | Pass    |
|                                   | 839             | Edge_1RB_Left   | 24.09                | /    | /   | 17.84    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.02                | /    | /   | 17.77    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 24.13                | /    | /   | 17.88    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 25.16                | /    | /   | 18.91    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.09                | /    | /   | 18.84    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.96                | /    | /   | 18.71    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                 | 834             | Edge_1RB_Left   | 23.16                | /    | /   | 16.91    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.19                | /    | /   | 16.94    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Outer_Full      | 23.04                | /    | /   | 16.79    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_Full      | 24.15                | /    | /   | 17.90    | /    | /   | <=38.45 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.15                | /    | /   | 17.90    | /    | /   | <=38.45 | Pass    |



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t (86-512) 62992980 www.sgs.com.cn  
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|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    | 836.5 | Inner 1RB Right | 24.20 | / | / | 17.95 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Left   | 23.34 | / | / | 17.09 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.28 | / | / | 17.03 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.18 | / | / | 16.93 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.11 | / | / | 17.86 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.33 | / | / | 18.08 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.31 | / | / | 18.06 | / | / | <=38.45 | Pass |
|                    | 839   | Edge 1RB Left   | 23.29 | / | / | 17.04 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 23.24 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 23.11 | / | / | 16.86 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 24.21 | / | / | 17.96 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 24.26 | / | / | 18.01 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.26 | / | / | 18.01 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 24.26 | / | / | 18.01 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM  | 834   | Edge 1RB Left   | 22.69 | / | / | 16.44 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.78 | / | / | 16.53 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.52 | / | / | 16.27 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.68 | / | / | 16.43 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.77 | / | / | 16.52 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.78 | / | / | 16.53 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.78 | / | / | 16.53 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 22.89 | / | / | 16.64 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.77 | / | / | 16.52 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.73 | / | / | 16.48 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.73 | / | / | 16.48 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.90 | / | / | 16.65 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.81 | / | / | 16.56 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.81 | / | / | 16.56 | / | / | <=38.45 | Pass |
|                    | 839   | Edge 1RB Left   | 22.79 | / | / | 16.54 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 22.68 | / | / | 16.43 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 22.69 | / | / | 16.44 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 22.71 | / | / | 16.46 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 22.71 | / | / | 16.46 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.67 | / | / | 16.42 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 22.67 | / | / | 16.42 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 834   | Edge 1RB Left   | 20.68 | / | / | 14.43 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.69 | / | / | 14.44 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.46 | / | / | 14.21 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.51 | / | / | 14.26 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.67 | / | / | 14.42 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.71 | / | / | 14.46 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.71 | / | / | 14.46 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge 1RB Left   | 20.82 | / | / | 14.57 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.76 | / | / | 14.51 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.67 | / | / | 14.42 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.63 | / | / | 14.38 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.85 | / | / | 14.60 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.70 | / | / | 14.45 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.70 | / | / | 14.45 | / | / | <=38.45 | Pass |
|                    | 839   | Edge 1RB Left   | 20.83 | / | / | 14.58 | / | / | <=38.45 | Pass |
|                    |       | Edge 1RB Right  | 20.69 | / | / | 14.44 | / | / | <=38.45 | Pass |
|                    |       | Outer Full      | 20.69 | / | / | 14.44 | / | / | <=38.45 | Pass |
|                    |       | Inner Full      | 20.66 | / | / | 14.41 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Left  | 20.86 | / | / | 14.61 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.70 | / | / | 14.45 | / | / | <=38.45 | Pass |
|                    |       | Inner 1RB Right | 20.70 | / | / | 14.45 | / | / | <=38.45 | Pass |



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中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编：215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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|                |       |                 |       |   |   |       |   |   |         |      |
|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM QPSK   | 834   | Edge_1RB_Left   | 21.91 | / | / | 15.66 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.95 | / | / | 15.70 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.96 | / | / | 15.71 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.56 | / | / | 17.31 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.35 | / | / | 17.10 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.41 | / | / | 17.16 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.03 | / | / | 15.78 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.02 | / | / | 15.77 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.13 | / | / | 15.88 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.67 | / | / | 17.42 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.54 | / | / | 17.29 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.54 | / | / | 17.29 | / | / | <=38.45 | Pass |
|                | 839   | Edge_1RB_Left   | 22.01 | / | / | 15.76 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.99 | / | / | 15.74 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.12 | / | / | 15.87 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.63 | / | / | 17.38 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.59 | / | / | 17.34 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.51 | / | / | 17.26 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM | 834   | Edge_1RB_Left   | 22.19 | / | / | 15.94 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.27 | / | / | 16.02 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.12 | / | / | 15.87 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.14 | / | / | 16.89 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.13 | / | / | 16.88 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.12 | / | / | 16.87 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 22.33 | / | / | 16.08 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.20 | / | / | 15.95 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.18 | / | / | 15.93 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.21 | / | / | 16.96 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.27 | / | / | 17.02 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.16 | / | / | 16.91 | / | / | <=38.45 | Pass |
|                | 839   | Edge_1RB_Left   | 22.34 | / | / | 16.09 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 22.20 | / | / | 15.95 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 22.17 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 23.11 | / | / | 16.86 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 23.19 | / | / | 16.94 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 23.05 | / | / | 16.80 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM | 834   | Edge_1RB_Left   | 21.77 | / | / | 15.52 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.84 | / | / | 15.59 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.55 | / | / | 15.30 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.74 | / | / | 15.49 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.81 | / | / | 15.56 | / | / | <=38.45 | Pass |
|                | 836.5 | Edge_1RB_Left   | 21.92 | / | / | 15.67 | / | / | <=38.45 | Pass |
|                |       | Edge_1RB_Right  | 21.82 | / | / | 15.57 | / | / | <=38.45 | Pass |
|                |       | Outer_Full      | 21.71 | / | / | 15.46 | / | / | <=38.45 | Pass |
|                |       | Inner_Full      | 21.76 | / | / | 15.51 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Left  | 21.88 | / | / | 15.63 | / | / | <=38.45 | Pass |
|                |       | Inner_1RB_Right | 21.83 | / | / | 15.58 | / | / | <=38.45 | Pass |
|                | 839   | Edge_1RB_Left   | 21.83 | / | / | 15.58 | / | / | <=38.45 | Pass |



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中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编：215000

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|                 |                                                                                  |                 |       |   |   |       |   |   |         |      |  |
|-----------------|----------------------------------------------------------------------------------|-----------------|-------|---|---|-------|---|---|---------|------|--|
|                 |                                                                                  | Edge 1RB Right  | 21.76 | / | / | 15.51 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Outer Full      | 21.66 | / | / | 15.41 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner Full      | 21.83 | / | / | 15.58 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Left  | 21.80 | / | / | 15.55 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Right | 21.76 | / | / | 15.51 | / | / | <=38.45 | Pass |  |
| CP-OFDM 256 QAM | 834                                                                              | Edge 1RB Left   | 18.67 | / | / | 12.42 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Right  | 18.68 | / | / | 12.43 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Outer Full      | 18.56 | / | / | 12.31 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner Full      | 18.62 | / | / | 12.37 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Left  | 18.72 | / | / | 12.47 | / | / | <=38.45 | Pass |  |
|                 | 836.5                                                                            | Inner 1RB Right | 18.69 | / | / | 12.44 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Left   | 18.76 | / | / | 12.51 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Right  | 18.79 | / | / | 12.54 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Outer Full      | 18.65 | / | / | 12.40 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner Full      | 18.67 | / | / | 12.42 | / | / | <=38.45 | Pass |  |
|                 | 839                                                                              | Inner 1RB Left  | 18.72 | / | / | 12.47 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Right | 18.74 | / | / | 12.49 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Left   | 18.71 | / | / | 12.46 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Edge 1RB Right  | 18.77 | / | / | 12.52 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Outer Full      | 18.63 | / | / | 12.38 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner Full      | 18.66 | / | / | 12.41 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Left  | 18.79 | / | / | 12.54 | / | / | <=38.45 | Pass |  |
|                 |                                                                                  | Inner 1RB Right | 18.67 | / | / | 12.42 | / | / | <=38.45 | Pass |  |
|                 | Note1: Antenna Gain: Ant1: -4.10dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |       |   |   |       |   |   |         |      |  |



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t (86-512) 62992980 sgs.china@sgs.com

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## 2. Frequency Stability

### 2.1 15k\_SISO\_5MHz

#### 2.1.1 Test Result

| 5G NR n5 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 PI/2 BPSK         | 836.5           | Outer_Full    | 20         | LV    | -6.90            | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               |            | HV    | -4.40            | -0.0053               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -30        | NV    | -7.50            | -0.0090               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -20        | NV    | -6.90            | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -10        | NV    | -6.90            | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 0          | NV    | -6.90            | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 10         | NV    | -7.70            | -0.0092               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 20         | NV    | -6.40            | -0.0077               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 30         | NV    | -7.20            | -0.0086               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 40         | NV    | -7.70            | -0.0092               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK              | 836.5           | Outer_Full    | 20         | LV    | -8.40            | -0.0100               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               |            | HV    | -5.90            | -0.0071               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -30        | NV    | -7.40            | -0.0088               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -20        | NV    | -7.00            | -0.0084               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -10        | NV    | -6.60            | -0.0079               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 0          | NV    | -7.40            | -0.0088               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 10         | NV    | -8.10            | -0.0097               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 20         | NV    | -6.70            | -0.0080               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 30         | NV    | -4.30            | -0.0051               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 40         | NV    | -7.10            | -0.0085               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM            | 836.5           | Outer_Full    | 20         | LV    | -4.40            | -0.0053               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               |            | HV    | -5.60            | -0.0067               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -30        | NV    | -5.50            | -0.0066               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -20        | NV    | -6.80            | -0.0081               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -10        | NV    | -3.20            | -0.0038               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 0          | NV    | -3.50            | -0.0042               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 10         | NV    | -5.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 20         | NV    | -5.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 30         | NV    | -5.60            | -0.0067               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 40         | NV    | -6.70            | -0.0080               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM            | 836.5           | Outer_Full    | 20         | LV    | -5.90            | -0.0071               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               |            | HV    | -6.70            | -0.0080               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -30        | NV    | -5.70            | -0.0068               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -20        | NV    | -9.60            | -0.0115               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | -10        | NV    | -5.90            | -0.0071               | >=-2.5 & <=2.5 | Pass    |
|                              |                 |               | 0          | NV    | -6.90            | -0.0082               | >=-2.5 & <=2.5 | Pass    |



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t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com



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|--------------------|-------|------------|-----|----|-------|---------|--------------------------|------|
|                    |       |            | 10  | NV | -5.50 | -0.0066 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -5.60 | -0.0067 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -4.40 | -0.0053 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -6.90 | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -7.90 | -0.0094 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -4.10 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -6.70 | -0.0080 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -6.60 | -0.0079 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -6.00 | -0.0072 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -5.40 | -0.0065 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -7.50 | -0.0090 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -6.90 | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -8.10 | -0.0097 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -5.90 | -0.0071 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -6.70 | -0.0080 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -7.90 | -0.0094 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -7.40 | -0.0088 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -4.90 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -4.90 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -7.70 | -0.0092 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -6.70 | -0.0080 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -7.90 | -0.0094 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -5.40 | -0.0065 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -6.80 | -0.0081 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -5.60 | -0.0067 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -6.20 | -0.0074 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -6.10 | -0.0073 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -7.30 | -0.0087 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -6.50 | -0.0078 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -5.90 | -0.0071 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -6.10 | -0.0073 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -4.60 | -0.0055 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -7.60 | -0.0091 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -4.30 | -0.0051 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -6.50 | -0.0078 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20  | LV | -3.90 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -5.00 | -0.0060 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -4.10 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -4.00 | -0.0048 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -4.50 | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -3.30 | -0.0039 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -6.60 | -0.0079 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -4.20 | -0.0050 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -3.70 | -0.0044 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -4.40 | -0.0053 | $\geq -2.5$ & $\leq 2.5$ | Pass |



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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t (86-512) 62992980 sgs.china@sgs.com

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|-----------------|-------|------------|-----|----|-------|---------|--------------------------|------|
| CP-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -6.90 | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            |     | HV | -6.90 | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            | -30 | NV | -7.30 | -0.0087 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            | -20 | NV | -5.70 | -0.0068 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            | -10 | NV | -6.80 | -0.0081 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            | 0   | NV | -8.80 | -0.0105 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            | 10  | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            | 20  | NV | -8.00 | -0.0096 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            | 30  | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            | 40  | NV | -7.30 | -0.0087 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |       |            | 50  | NV | -8.30 | -0.0099 | $\geq -2.5$ & $\leq 2.5$ | Pass |



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## 2.2 15k\_SISO\_10MHz

### 2.2.1 Test Result

| 5G NR n5 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 PI/2 BPSK          | 836.5           | Outer_Full    | 20         | LV    | -7.40            | -0.0088               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -9.80            | -0.0117               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -10.00           | -0.0120               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -9.10            | -0.0109               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -8.50            | -0.0102               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -8.90            | -0.0106               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -9.30            | -0.0111               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -5.50            | -0.0066               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -7.60            | -0.0091               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -8.80            | -0.0105               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -10.00           | -0.0120               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK               | 836.5           | Outer_Full    | 20         | LV    | -5.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -6.20            | -0.0074               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -6.90            | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -8.50            | -0.0102               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -7.00            | -0.0084               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -5.00            | -0.0060               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -7.60            | -0.0091               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -7.30            | -0.0087               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -4.80            | -0.0057               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -5.70            | -0.0068               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -8.20            | -0.0098               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM             | 836.5           | Outer_Full    | 20         | LV    | -7.30            | -0.0087               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -8.80            | -0.0105               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -8.50            | -0.0102               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -7.00            | -0.0084               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -9.30            | -0.0111               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -8.20            | -0.0098               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -7.00            | -0.0084               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -6.20            | -0.0074               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -6.70            | -0.0080               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -7.90            | -0.0094               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -6.70            | -0.0080               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM             | 836.5           | Outer_Full    | 20         | LV    | -6.20            | -0.0074               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -8.20            | -0.0098               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -6.80            | -0.0081               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -7.70            | -0.0092               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -8.10            | -0.0097               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -5.40            | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -4.80            | -0.0057               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -6.60            | -0.0079               | >=-2.5 & <=2.5 | Pass    |



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中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

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|                    |       |            | 30  | NV | -4.80 | -0.0057 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -6.30 | -0.0075 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -6.40 | -0.0077 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -8.70 | -0.0104 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -8.50 | -0.0102 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -6.80 | -0.0081 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -5.30 | -0.0063 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -3.10 | -0.0037 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -5.20 | -0.0062 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -7.10 | -0.0085 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -6.00 | -0.0072 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -8.60 | -0.0103 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -4.10 | -0.0049 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -4.80 | -0.0057 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -4.40 | -0.0053 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -6.90 | -0.0082 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -7.20 | -0.0086 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -6.80 | -0.0081 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -9.70 | -0.0116 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -6.90 | -0.0082 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -6.60 | -0.0079 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -6.90 | -0.0082 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -7.20 | -0.0086 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -6.10 | -0.0073 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -5.90 | -0.0071 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -7.70 | -0.0092 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -7.70 | -0.0092 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -6.40 | -0.0077 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -9.80 | -0.0117 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -8.00 | -0.0096 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -6.10 | -0.0073 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -6.80 | -0.0081 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -7.20 | -0.0086 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -6.10 | -0.0073 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -6.00 | -0.0072 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -6.20 | -0.0074 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20  | LV | -6.70 | -0.0080 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -8.40 | -0.0100 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -4.80 | -0.0057 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -7.80 | -0.0093 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -7.10 | -0.0085 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -8.70 | -0.0104 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -7.40 | -0.0088 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -8.00 | -0.0096 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -4.70 | -0.0056 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -4.90 | -0.0059 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -6.00 | -0.0072 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM    | 836.5 | Outer_Full | 20  | LV | -8.20 | -0.0098 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -5.00 | -0.0060 | >=-2.5 & <=2.5 | Pass |



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|--|--|--|-----|----|-------|---------|--------------------------|------|
|  |  |  | -30 | NV | -7.90 | -0.0094 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -20 | NV | -8.00 | -0.0096 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -10 | NV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 0   | NV | -6.50 | -0.0078 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 10  | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 20  | NV | -7.60 | -0.0091 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 30  | NV | -7.90 | -0.0094 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 40  | NV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 50  | NV | -9.00 | -0.0108 | $\geq -2.5$ & $\leq 2.5$ | Pass |



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## 2.3 15k\_SISO\_15MHz

## 2.3.1 Test Result

| 5G NR n5 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 PI/2 BPSK          | 836.5           | Outer_Full    | 20         | LV    | -5.40            | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -8.80            | -0.0105               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -8.60            | -0.0103               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -6.30            | -0.0075               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -7.80            | -0.0093               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -6.00            | -0.0072               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -6.30            | -0.0075               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -6.50            | -0.0078               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -7.00            | -0.0084               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -6.90            | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -7.80            | -0.0093               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK               | 836.5           | Outer_Full    | 20         | LV    | -8.20            | -0.0098               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -7.10            | -0.0085               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -8.30            | -0.0099               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -6.00            | -0.0072               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -6.20            | -0.0074               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -6.70            | -0.0080               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -8.60            | -0.0103               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -5.00            | -0.0060               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -7.70            | -0.0092               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -11.00           | -0.0132               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -9.40            | -0.0112               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM             | 836.5           | Outer_Full    | 20         | LV    | -5.60            | -0.0067               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -6.70            | -0.0080               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -6.70            | -0.0080               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -4.20            | -0.0050               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -5.80            | -0.0069               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -4.90            | -0.0059               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -6.00            | -0.0072               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -5.90            | -0.0071               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -6.00            | -0.0072               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -7.10            | -0.0085               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -7.90            | -0.0094               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM             | 836.5           | Outer_Full    | 20         | LV    | -5.50            | -0.0066               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -4.60            | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -7.20            | -0.0086               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -5.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -7.90            | -0.0094               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -8.30            | -0.0099               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -8.60            | -0.0103               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -4.90            | -0.0059               | >=-2.5 & <=2.5 | Pass    |



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|                    |       |            |     |    |       |         |                |      |
|--------------------|-------|------------|-----|----|-------|---------|----------------|------|
|                    |       |            | 30  | NV | -8.70 | -0.0104 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -3.20 | -0.0038 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -4.90 | -0.0059 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -7.00 | -0.0084 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -5.40 | -0.0065 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -8.00 | -0.0096 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -7.70 | -0.0092 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -9.10 | -0.0109 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -6.00 | -0.0072 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -7.40 | -0.0088 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -6.70 | -0.0080 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -7.30 | -0.0087 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -5.10 | -0.0061 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -6.90 | -0.0082 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -9.10 | -0.0109 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -8.10 | -0.0097 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -7.80 | -0.0093 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -9.20 | -0.0110 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -8.80 | -0.0105 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -6.10 | -0.0073 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -9.10 | -0.0109 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -8.00 | -0.0096 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -9.00 | -0.0108 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -6.30 | -0.0075 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -9.10 | -0.0109 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -8.60 | -0.0103 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -7.50 | -0.0090 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -8.20 | -0.0098 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -8.60 | -0.0103 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -6.70 | -0.0080 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -8.30 | -0.0099 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -8.30 | -0.0099 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -6.30 | -0.0075 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -7.50 | -0.0090 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -7.30 | -0.0087 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -8.50 | -0.0102 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20  | LV | -5.40 | -0.0065 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -7.80 | -0.0093 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -5.20 | -0.0062 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -6.40 | -0.0077 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -5.90 | -0.0071 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -3.80 | -0.0045 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -4.80 | -0.0057 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -7.20 | -0.0086 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -4.70 | -0.0056 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -3.90 | -0.0047 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -5.50 | -0.0066 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM    | 836.5 | Outer_Full | 20  | LV | -6.60 | -0.0079 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -8.00 | -0.0096 | >=-2.5 & <=2.5 | Pass |



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|--|--|--|-----|----|-------|---------|--------------------------|------|
|  |  |  | -30 | NV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -20 | NV | -7.00 | -0.0084 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -10 | NV | -4.70 | -0.0056 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 0   | NV | -7.10 | -0.0085 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 10  | NV | -6.00 | -0.0072 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 20  | NV | -5.60 | -0.0067 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 30  | NV | -4.70 | -0.0056 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 40  | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 50  | NV | -5.90 | -0.0071 | $\geq -2.5$ & $\leq 2.5$ | Pass |



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## 2.4 15k\_SISO\_20MHz

### 2.4.1 Test Result

| 5G NR n5 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 PI/2 BPSK          | 836.5           | Outer_Full    | 20         | LV    | -5.30            | -0.0063               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -6.10            | -0.0073               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -7.90            | -0.0094               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -8.30            | -0.0099               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -9.90            | -0.0118               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -7.60            | -0.0091               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -8.10            | -0.0097               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -7.80            | -0.0093               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -8.90            | -0.0106               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -7.60            | -0.0091               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -8.30            | -0.0099               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK               | 836.5           | Outer_Full    | 20         | LV    | -3.90            | -0.0047               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -4.60            | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -4.60            | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -3.90            | -0.0047               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -5.30            | -0.0063               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -5.80            | -0.0069               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -6.20            | -0.0074               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -4.60            | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -5.80            | -0.0069               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -7.10            | -0.0085               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -6.00            | -0.0072               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM             | 836.5           | Outer_Full    | 20         | LV    | -6.90            | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -7.70            | -0.0092               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -5.40            | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -7.00            | -0.0084               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -8.10            | -0.0097               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -8.30            | -0.0099               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -6.90            | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -9.40            | -0.0112               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -5.30            | -0.0063               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -6.10            | -0.0073               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -7.90            | -0.0094               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM             | 836.5           | Outer_Full    | 20         | LV    | -5.60            | -0.0067               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -6.00            | -0.0072               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -9.00            | -0.0108               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -9.40            | -0.0112               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -6.20            | -0.0074               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -7.50            | -0.0090               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -6.30            | -0.0075               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -5.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |



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中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)  
t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

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|                    |       |            |     |    |        |         |                          |      |
|--------------------|-------|------------|-----|----|--------|---------|--------------------------|------|
|                    |       |            | 30  | NV | -5.30  | -0.0063 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -6.40  | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -7.80  | -0.0093 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -7.80  | -0.0093 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -6.70  | -0.0080 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -7.70  | -0.0092 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -6.60  | -0.0079 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -5.00  | -0.0060 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -6.90  | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -5.30  | -0.0063 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -5.90  | -0.0071 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -8.20  | -0.0098 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -4.80  | -0.0057 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -3.40  | -0.0041 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -10.90 | -0.0130 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -9.20  | -0.0110 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -6.90  | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -9.50  | -0.0114 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -10.00 | -0.0120 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -9.30  | -0.0111 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -9.50  | -0.0114 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -8.50  | -0.0102 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -8.40  | -0.0100 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -9.20  | -0.0110 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -9.00  | -0.0108 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -7.20  | -0.0086 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -8.90  | -0.0106 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -9.70  | -0.0116 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -8.70  | -0.0104 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -10.20 | -0.0122 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -6.70  | -0.0080 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -9.50  | -0.0114 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -6.50  | -0.0078 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -10.30 | -0.0123 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -9.40  | -0.0112 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -7.40  | -0.0088 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20  | LV | -4.20  | -0.0050 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -4.70  | -0.0056 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -4.50  | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -4.40  | -0.0053 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -5.00  | -0.0060 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -4.70  | -0.0056 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -5.20  | -0.0062 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -4.30  | -0.0051 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -5.20  | -0.0062 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -5.70  | -0.0068 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -3.30  | -0.0039 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 256 QAM    | 836.5 | Outer_Full | 20  | LV | -7.30  | -0.0087 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -6.40  | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |



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|  |  |  |     |    |       |         |                          |      |
|--|--|--|-----|----|-------|---------|--------------------------|------|
|  |  |  | -30 | NV | -8.80 | -0.0105 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -20 | NV | -8.80 | -0.0105 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -10 | NV | -9.60 | -0.0115 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 0   | NV | -7.60 | -0.0091 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 10  | NV | -9.10 | -0.0109 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 20  | NV | -8.80 | -0.0105 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 30  | NV | -8.10 | -0.0097 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 40  | NV | -5.60 | -0.0067 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 50  | NV | -7.30 | -0.0087 | $\geq -2.5$ & $\leq 2.5$ | Pass |



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2.5 30k\_SISO\_10MHz

## 2.5.1 Test Result

| 5G NR n5 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 PI/2 BPSK          | 836.5           | Outer_Full    | 20         | LV    | 8.90             | 0.0106                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 7.00             | 0.0084                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 11.00            | 0.0132                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -9.10            | -0.0109               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 11.30            | 0.0135                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 9.40             | 0.0112                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 10.30            | 0.0123                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 8.50             | 0.0102                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | 7.50             | 0.0090                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 12.10            | 0.0145                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -10.20           | -0.0122               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK               | 836.5           | Outer_Full    | 20         | LV    | 9.40             | 0.0112                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 7.60             | 0.0091                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -8.50            | -0.0102               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 11.20            | 0.0134                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -8.90            | -0.0106               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -9.40            | -0.0112               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 8.70             | 0.0104                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 11.90            | 0.0142                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | 9.50             | 0.0114                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 10.70            | 0.0128                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | 8.10             | 0.0097                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM             | 836.5           | Outer_Full    | 20         | LV    | 7.90             | 0.0094                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 8.40             | 0.0100                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 12.80            | 0.0153                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 10.80            | 0.0129                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 9.10             | 0.0109                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 8.70             | 0.0104                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -9.10            | -0.0109               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 8.60             | 0.0103                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -11.20           | -0.0134               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 8.60             | 0.0103                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | 8.30             | 0.0099                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM             | 836.5           | Outer_Full    | 20         | LV    | -10.50           | -0.0126               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 9.30             | 0.0111                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 8.30             | 0.0099                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -8.40            | -0.0100               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 11.40            | 0.0136                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 8.10             | 0.0097                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 9.50             | 0.0114                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -7.70            | -0.0092               | >=-2.5 & <=2.5 | Pass    |



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|                    |       |            |     |    |        |         |                |      |
|--------------------|-------|------------|-----|----|--------|---------|----------------|------|
|                    |       |            | 30  | NV | 9.40   | 0.0112  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | 10.40  | 0.0124  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -7.80  | -0.0093 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -11.40 | -0.0136 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -11.30 | -0.0135 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -7.60  | -0.0091 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | 10.20  | 0.0122  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | 12.70  | 0.0152  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | 9.90   | 0.0118  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | 9.90   | 0.0118  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | 8.30   | 0.0099  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | 10.80  | 0.0129  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | 9.70   | 0.0116  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | 9.70   | 0.0116  | >=-2.5 & <=2.5 | Pass |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -4.20  | -0.0050 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -6.80  | -0.0081 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -4.40  | -0.0053 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -6.30  | -0.0075 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -6.10  | -0.0073 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -7.80  | -0.0093 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -6.40  | -0.0077 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -7.10  | -0.0085 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -5.60  | -0.0067 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -7.20  | -0.0086 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -4.80  | -0.0057 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -5.40  | -0.0065 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -5.30  | -0.0063 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -5.70  | -0.0068 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -8.10  | -0.0097 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -5.10  | -0.0061 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -6.40  | -0.0077 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -5.20  | -0.0062 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -10.20 | -0.0122 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | 5.50   | 0.0066  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -9.10  | -0.0109 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -8.70  | -0.0104 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20  | LV | -5.40  | -0.0065 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -4.30  | -0.0051 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -10.00 | -0.0120 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -8.60  | -0.0103 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -8.30  | -0.0099 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -5.20  | -0.0062 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -6.40  | -0.0077 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -5.70  | -0.0068 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -5.10  | -0.0061 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -4.50  | -0.0054 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | 3.80   | 0.0045  | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM    | 836.5 | Outer_Full | 20  | LV | -8.70  | -0.0104 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -7.90  | -0.0094 | >=-2.5 & <=2.5 | Pass |



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|  |  |  |     |    |       |         |                          |      |
|--|--|--|-----|----|-------|---------|--------------------------|------|
|  |  |  | -30 | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -20 | NV | -9.40 | -0.0112 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -10 | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 0   | NV | -5.40 | -0.0065 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 10  | NV | -6.10 | -0.0073 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 20  | NV | -7.70 | -0.0092 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 30  | NV | -7.50 | -0.0090 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 40  | NV | -6.60 | -0.0079 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 50  | NV | -8.70 | -0.0104 | $\geq -2.5$ & $\leq 2.5$ | Pass |



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## 2.6 30k\_SISO\_15MHz

## 2.6.1 Test Result

| 5G NR n5 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 PI/2 BPSK          | 836.5           | Outer_Full    | 20         | LV    | 9.80             | 0.0117                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 11.60            | 0.0139                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 8.40             | 0.0100                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 9.80             | 0.0117                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 9.00             | 0.0108                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 9.80             | 0.0117                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 10.10            | 0.0121                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 9.00             | 0.0108                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | 9.30             | 0.0111                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -8.30            | -0.0099               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -11.80           | -0.0141               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK               | 836.5           | Outer_Full    | 20         | LV    | 9.90             | 0.0118                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 10.80            | 0.0129                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 10.00            | 0.0120                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 11.60            | 0.0139                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 8.40             | 0.0100                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 12.10            | 0.0145                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 10.40            | 0.0124                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 8.30             | 0.0099                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | 13.60            | 0.0163                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 7.00             | 0.0084                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -10.00           | -0.0120               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM             | 836.5           | Outer_Full    | 20         | LV    | -8.00            | -0.0096               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -8.60            | -0.0103               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 8.30             | 0.0099                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 9.10             | 0.0109                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 9.80             | 0.0117                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 9.00             | 0.0108                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 7.60             | 0.0091                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 8.30             | 0.0099                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | 8.20             | 0.0098                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 11.20            | 0.0134                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | 7.30             | 0.0087                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM             | 836.5           | Outer_Full    | 20         | LV    | 11.00            | 0.0132                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | 12.00            | 0.0143                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 13.00            | 0.0155                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -6.10            | -0.0073               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 9.50             | 0.0114                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 9.40             | 0.0112                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 7.60             | 0.0091                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -11.30           | -0.0135               | >=-2.5 & <=2.5 | Pass    |



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中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

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|                    |       |            | 30           | NV             | 8.20       | 0.0098  | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 40           | NV             | -8.90      | -0.0106 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 50           | NV             | -7.80      | -0.0093 | >=-2.5 & <=2.5 | Pass  |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20           | LV             | 14.60      | 0.0175  | >=-2.5 & <=2.5 | Pass  |
|                    |       |            |              | HV             | 9.70       | 0.0116  | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | -30          | NV             | -9.10      | -0.0109 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | -20          | NV             | 7.50       | 0.0090  | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | -10          | NV             | -7.50      | -0.0090 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 0            | NV             | 10.30      | 0.0123  | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 10           | NV             | -8.10      | -0.0097 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 20           | NV             | 11.00      | 0.0132  | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 30           | NV             | 10.40      | 0.0124  | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 40           | NV             | 8.10       | 0.0097  | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 50           | NV             | 8.70       | 0.0104  | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | CP-OFDM QPSK | 836.5          | Outer_Full | 20      | LV             | -8.80 |
| HV                 | -9.10 | -0.0109    |              |                |            |         | >=-2.5 & <=2.5 | Pass  |
| -30                | NV    | -7.00      |              |                |            | -0.0084 | >=-2.5 & <=2.5 | Pass  |
| -20                | NV    | -9.60      |              |                |            | -0.0115 | >=-2.5 & <=2.5 | Pass  |
| -10                | NV    | -9.70      |              |                |            | -0.0116 | >=-2.5 & <=2.5 | Pass  |
| 0                  | NV    | -6.80      |              |                |            | -0.0081 | >=-2.5 & <=2.5 | Pass  |
| 10                 | NV    | -10.50     |              |                |            | -0.0126 | >=-2.5 & <=2.5 | Pass  |
| 20                 | NV    | -11.30     |              |                |            | -0.0135 | >=-2.5 & <=2.5 | Pass  |
| 30                 | NV    | -12.20     |              |                |            | -0.0146 | >=-2.5 & <=2.5 | Pass  |
| 40                 | NV    | -10.30     |              |                |            | -0.0123 | >=-2.5 & <=2.5 | Pass  |
| 50                 | NV    | -8.60      | -0.0103      | >=-2.5 & <=2.5 | Pass       |         |                |       |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20           | LV             | -7.10      | -0.0085 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            |              | HV             | -7.20      | -0.0086 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | -30          | NV             | -10.20     | -0.0122 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | -20          | NV             | -7.80      | -0.0093 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | -10          | NV             | -9.50      | -0.0114 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 0            | NV             | -8.30      | -0.0099 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 10           | NV             | -6.50      | -0.0078 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 20           | NV             | -7.80      | -0.0093 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 30           | NV             | -11.00     | -0.0132 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 40           | NV             | -7.90      | -0.0094 | >=-2.5 & <=2.5 | Pass  |
| 50                 | NV    | -8.20      | -0.0098      | >=-2.5 & <=2.5 | Pass       |         |                |       |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20           | LV             | -7.00      | -0.0084 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            |              | HV             | -9.80      | -0.0117 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | -30          | NV             | -8.20      | -0.0098 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | -20          | NV             | -8.10      | -0.0097 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | -10          | NV             | -9.70      | -0.0116 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 0            | NV             | -9.00      | -0.0108 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 10           | NV             | -8.90      | -0.0106 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 20           | NV             | -9.30      | -0.0111 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 30           | NV             | -7.10      | -0.0085 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            | 40           | NV             | -6.00      | -0.0072 | >=-2.5 & <=2.5 | Pass  |
| 50                 | NV    | -9.20      | -0.0110      | >=-2.5 & <=2.5 | Pass       |         |                |       |
| CP-OFDM 256 QAM    | 836.5 | Outer_Full | 20           | LV             | -6.40      | -0.0077 | >=-2.5 & <=2.5 | Pass  |
|                    |       |            |              | HV             | -4.30      | -0.0051 | >=-2.5 & <=2.5 | Pass  |



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t (86-512) 62992980 [www.sgs.com](http://www.sgs.com)  
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|  |  |  |     |    |       |         |                          |      |
|--|--|--|-----|----|-------|---------|--------------------------|------|
|  |  |  | -30 | NV | -4.50 | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -20 | NV | -7.60 | -0.0091 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -10 | NV | -7.20 | -0.0086 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 0   | NV | -6.70 | -0.0080 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 10  | NV | -9.70 | -0.0116 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 20  | NV | -3.60 | -0.0043 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 30  | NV | -6.10 | -0.0073 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 40  | NV | -9.50 | -0.0114 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 50  | NV | -6.60 | -0.0079 | $\geq -2.5$ & $\leq 2.5$ | Pass |



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t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

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## 2.7 30k\_SISO\_20MHz

### 2.7.1 Test Result

| 5G NR n5 SCS=30kHz SISO 20MHz |                 |               |            |       |                  |                       |                |         |
|-------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                    | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                               |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK          | 836.5           | Outer_Full    | 20         | LV    | 8.70             | 0.0104                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | HV    | -11.10           | -0.0133               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -9.30            | -0.0111               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 9.60             | 0.0115                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -10.90           | -0.0130               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 9.50             | 0.0114                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | 9.50             | 0.0114                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -8.60            | -0.0103               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -8.90            | -0.0106               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | -10.30           | -0.0123               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -9.30            | -0.0111               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | LV    | 8.60             | 0.0103                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK               | 836.5           | Outer_Full    | 20         | HV    | -8.20            | -0.0098               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | NV    | -9.10            | -0.0109               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -10.10           | -0.0121               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -10.10           | -0.0121               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -9.10            | -0.0109               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | -12.30           | -0.0147               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -8.10            | -0.0097               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 10.30            | 0.0123                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | -10.30           | -0.0123               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 7.30             | 0.0087                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | -9.60            | -0.0115               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | LV    | 9.80             | 0.0117                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM             | 836.5           | Outer_Full    | 20         | HV    | -5.40            | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | NV    | 8.90             | 0.0106                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | 10.10            | 0.0121                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | 10.10            | 0.0121                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | -9.70            | -0.0116               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 8.60             | 0.0103                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -6.30            | -0.0075               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | 10.10            | 0.0121                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 30         | NV    | 9.10             | 0.0109                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 40         | NV    | 7.50             | 0.0090                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 50         | NV    | 9.60             | 0.0115                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | LV    | 9.70             | 0.0116                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM             | 836.5           | Outer_Full    | 20         | HV    | -8.50            | -0.0102               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               |            | NV    | -7.80            | -0.0093               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -30        | NV    | -10.10           | -0.0121               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -20        | NV    | -10.10           | -0.0121               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | -10        | NV    | 7.50             | 0.0090                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 0          | NV    | 8.10             | 0.0097                | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 10         | NV    | -9.90            | -0.0118               | >=-2.5 & <=2.5 | Pass    |
|                               |                 |               | 20         | NV    | -6.40            | -0.0077               | >=-2.5 & <=2.5 | Pass    |



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|                    |       |            |     |    |        |         |                |      |
|--------------------|-------|------------|-----|----|--------|---------|----------------|------|
|                    |       |            | 30  | NV | 10.20  | 0.0122  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -7.10  | -0.0085 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -12.40 | -0.0148 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | 10.40  | 0.0124  | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -9.80  | -0.0117 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | 10.20  | 0.0122  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | 11.70  | 0.0140  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -10.90 | -0.0130 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -8.50  | -0.0102 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | 8.70   | 0.0104  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -9.40  | -0.0112 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | 9.60   | 0.0115  | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -6.80  | -0.0081 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -10.60 | -0.0127 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -10.40 | -0.0124 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -9.90  | -0.0118 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -11.40 | -0.0136 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -8.10  | -0.0097 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -8.30  | -0.0099 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -7.30  | -0.0087 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -7.70  | -0.0092 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -7.10  | -0.0085 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -11.40 | -0.0136 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -10.10 | -0.0121 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -9.60  | -0.0115 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -10.20 | -0.0122 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -9.00  | -0.0108 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -9.00  | -0.0108 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -11.60 | -0.0139 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -11.90 | -0.0142 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -11.00 | -0.0132 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -11.30 | -0.0135 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -7.50  | -0.0090 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -10.00 | -0.0120 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -7.30  | -0.0087 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -7.40  | -0.0088 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20  | LV | -9.10  | -0.0109 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -7.70  | -0.0092 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -30 | NV | -6.60  | -0.0079 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -20 | NV | -5.30  | -0.0063 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | -10 | NV | -7.70  | -0.0092 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 0   | NV | -7.70  | -0.0092 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 10  | NV | -7.90  | -0.0094 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 20  | NV | -6.10  | -0.0073 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 30  | NV | -8.30  | -0.0099 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 40  | NV | -7.50  | -0.0090 | >=-2.5 & <=2.5 | Pass |
|                    |       |            | 50  | NV | -7.20  | -0.0086 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM    | 836.5 | Outer_Full | 20  | LV | -7.90  | -0.0094 | >=-2.5 & <=2.5 | Pass |
|                    |       |            |     | HV | -6.40  | -0.0077 | >=-2.5 & <=2.5 | Pass |



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|  |  |  |     |    |       |         |                          |      |
|--|--|--|-----|----|-------|---------|--------------------------|------|
|  |  |  | -30 | NV | -7.90 | -0.0094 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -20 | NV | -5.90 | -0.0071 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | -10 | NV | -5.30 | -0.0063 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 0   | NV | -6.90 | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 10  | NV | -9.20 | -0.0110 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 20  | NV | -6.50 | -0.0078 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 30  | NV | -9.80 | -0.0117 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 40  | NV | -9.00 | -0.0108 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 50  | NV | -3.40 | -0.0041 | $\geq -2.5$ & $\leq 2.5$ | Pass |



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### 3. Field Strength of Spurious Radiation

**Test Band = SA Band 5\_ TM1****Test Channel = Low Channel**

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 1650.18         | 47.15          | -49.82      | 25.30    | -72.63      | -13.00      | 59.63       | Horizontal |
| 2               | 2475.27         | 46.73          | -49.04      | 27.27    | -70.30      | -13.00      | 57.30       | Horizontal |
| 3               | 3300.36         | 45.98          | -48.63      | 28.62    | -69.29      | -13.00      | 56.29       | Horizontal |
| 4               | 4125.45         | 43.97          | -48.29      | 29.63    | -69.95      | -13.00      | 56.95       | Horizontal |
| 5               | 4950.54         | 44.96          | -48.06      | 31.38    | -66.98      | -13.00      | 53.98       | Horizontal |
| 6               | 5775.63         | 45.25          | -47.67      | 32.76    | -64.92      | -13.00      | 51.92       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 1650.18         | 46.27          | -49.82      | 25.30    | -73.51      | -13.00      | 60.51       | Vertical |
| 2               | 2475.27         | 46.79          | -49.04      | 27.27    | -70.24      | -13.00      | 57.24       | Vertical |
| 3               | 3300.36         | 45.85          | -48.63      | 28.62    | -69.42      | -13.00      | 56.42       | Vertical |
| 4               | 4125.45         | 44.14          | -48.29      | 29.63    | -69.78      | -13.00      | 56.78       | Vertical |
| 5               | 4950.54         | 44.43          | -48.06      | 31.38    | -67.51      | -13.00      | 54.51       | Vertical |
| 6               | 5775.63         | 44.94          | -47.67      | 32.76    | -65.23      | -13.00      | 52.23       | Vertical |



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t (86-512) 62992980 www.sgsgroup.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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Test Band = SA Band 5\_ TM1

Test Channel = Mid Channel

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 1655.18         | 46.53          | -49.81      | 25.32    | -73.22      | -13.00      | 60.22       | Horizontal |
| 2               | 2482.77         | 46.05          | -49.00      | 27.28    | -70.93      | -13.00      | 57.93       | Horizontal |
| 3               | 3310.36         | 46.85          | -48.64      | 28.62    | -68.42      | -13.00      | 55.42       | Horizontal |
| 4               | 4137.95         | 44.44          | -48.30      | 29.65    | -69.47      | -13.00      | 56.47       | Horizontal |
| 5               | 4965.54         | 44.78          | -48.03      | 31.42    | -67.09      | -13.00      | 54.09       | Horizontal |
| 6               | 5793.13         | 45.42          | -47.71      | 32.76    | -64.79      | -13.00      | 51.79       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 1655.18         | 47.35          | -49.81      | 25.32    | -72.40      | -13.00      | 59.40       | Vertical |
| 2               | 2482.77         | 45.98          | -49.00      | 27.28    | -71.00      | -13.00      | 58.00       | Vertical |
| 3               | 3310.36         | 45.47          | -48.64      | 28.62    | -69.80      | -13.00      | 56.80       | Vertical |
| 4               | 4137.95         | 45.16          | -48.30      | 29.65    | -68.75      | -13.00      | 55.75       | Vertical |
| 5               | 4965.54         | 44.44          | -48.03      | 31.42    | -67.43      | -13.00      | 54.43       | Vertical |
| 6               | 5793.13         | 45.20          | -47.71      | 32.76    | -65.01      | -13.00      | 52.01       | Vertical |



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215000  
215000  
t (86-512) 62992980  
t (86-512) 62992980  
[www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
[sgs.china@sgs.com](mailto:sgs.china@sgs.com)

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Test Band = SA Band 5\_ TM1

Test Channel = High Channel

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 1660.18         | 46.77          | -49.80      | 25.34    | -72.95      | -13.00      | 59.95       | Horizontal |
| 2               | 2490.27         | 46.48          | -48.95      | 27.29    | -70.45      | -13.00      | 57.45       | Horizontal |
| 3               | 3320.36         | 44.91          | -48.64      | 28.63    | -70.36      | -13.00      | 57.36       | Horizontal |
| 4               | 4150.45         | 44.43          | -48.31      | 29.67    | -69.47      | -13.00      | 56.47       | Horizontal |
| 5               | 4980.54         | 44.82          | -48.00      | 31.45    | -66.99      | -13.00      | 53.99       | Horizontal |
| 6               | 5810.63         | 45.18          | -47.65      | 32.76    | -64.96      | -13.00      | 51.96       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 1660.18         | 47.13          | -49.80      | 25.34    | -72.59      | -13.00      | 59.59       | Vertical |
| 2               | 2490.27         | 46.37          | -48.95      | 27.29    | -70.56      | -13.00      | 57.56       | Vertical |
| 3               | 3320.36         | 46.05          | -48.64      | 28.63    | -69.22      | -13.00      | 56.22       | Vertical |
| 4               | 4150.45         | 44.97          | -48.31      | 29.67    | -68.93      | -13.00      | 55.93       | Vertical |
| 5               | 4980.54         | 45.17          | -48.00      | 31.45    | -66.64      | -13.00      | 53.64       | Vertical |
| 6               | 5810.63         | 45.02          | -47.65      | 32.76    | -65.12      | -13.00      | 52.12       | Vertical |



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215000

邮编: 215000

t (86-512) 62992980 www.sgsgroup.com.cn  
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Test Band = NSA 7A\_N5A\_TM1

Test Channel = Low Channel

Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| 1   | 1194.6667       | 47.89          | -50.22      | 24.70    | -72.88      | -13.00      | 59.88       | Horizontal |
| 2   | 2102.2222       | 47.65          | -49.46      | 26.82    | -70.25      | -13.00      | 57.25       | Horizontal |
| 3   | 2575.5556       | 47.55          | -49.10      | 27.48    | -69.33      | -13.00      | 56.33       | Horizontal |
| 4   | 3501.3333       | 46.44          | -48.43      | 28.70    | -68.55      | -13.00      | 55.55       | Horizontal |
| 5   | 4588            | 46.01          | -48.06      | 30.51    | -66.80      | -13.00      | 53.80       | Horizontal |
| 6   | 5391.1111       | 46.54          | -47.47      | 32.44    | -63.76      | -13.00      | 50.76       | Horizontal |

Final Data List

| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
|-----|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| 1   | 1288.4444       | 48.25          | -50.14      | 24.52    | -72.63      | -13.00      | 59.63       | Vertical |
| 2   | 2056.4444       | 47.89          | -49.55      | 26.77    | -70.15      | -13.00      | 57.15       | Vertical |
| 3   | 2811.5556       | 46.64          | -48.69      | 28.05    | -69.26      | -13.00      | 56.26       | Vertical |
| 4   | 3950.6667       | 48.95          | -48.39      | 29.33    | -65.37      | -13.00      | 52.37       | Vertical |
| 5   | 5361.3333       | 46.45          | -47.59      | 32.37    | -64.03      | -13.00      | 51.03       | Vertical |
| 6   | 7078.6667       | 44.85          | -46.13      | 35.79    | -60.75      | -13.00      | 47.75       | Vertical |



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Test Band = NSA 7A\_N5A\_TM1

Test Channel = Mid Channel

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 1374.6667       | 48.49          | -50.04      | 24.35    | -72.46      | -13.00      | 59.46       | Horizontal |
| 2               | 1950.6667       | 47.99          | -49.71      | 26.50    | -70.48      | -13.00      | 57.48       | Horizontal |
| 3               | 2587.5556       | 47.42          | -49.14      | 27.51    | -69.47      | -13.00      | 56.47       | Horizontal |
| 4               | 3939.5556       | 46.09          | -48.40      | 29.32    | -68.25      | -13.00      | 55.25       | Horizontal |
| 5               | 5342.2222       | 46.72          | -47.66      | 32.32    | -63.88      | -13.00      | 50.88       | Horizontal |
| 6               | 7022.6667       | 45.58          | -46.53      | 35.65    | -60.55      | -13.00      | 47.55       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 1502.2222       | 47.73          | -49.83      | 24.71    | -72.65      | -13.00      | 59.65       | Vertical |
| 2               | 2209.7778       | 47.57          | -49.45      | 26.95    | -70.19      | -13.00      | 57.19       | Vertical |
| 3               | 3257.3333       | 46.28          | -48.63      | 28.60    | -69.00      | -13.00      | 56.00       | Vertical |
| 4               | 4969.3333       | 45.46          | -48.02      | 31.43    | -66.40      | -13.00      | 53.40       | Vertical |
| 5               | 6147.1111       | 46.21          | -47.24      | 33.30    | -62.99      | -13.00      | 49.99       | Vertical |
| 6               | 7562.2222       | 44.92          | -45.28      | 36.73    | -58.90      | -13.00      | 45.90       | Vertical |



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Test Band = NSA 7A\_N5A\_TM1

Test Channel = High Channel

| Final Data List |                 |                |             |          |             |             |             |            |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 1504.4444       | 47.96          | -49.83      | 24.72    | -72.42      | -13.00      | 59.42       | Horizontal |
| 2               | 2170.6667       | 47.74          | -49.48      | 26.90    | -70.10      | -13.00      | 57.10       | Horizontal |
| 3               | 3395.1111       | 46.59          | -48.69      | 28.66    | -68.70      | -13.00      | 55.70       | Horizontal |
| 4               | 4418.2222       | 46.01          | -48.07      | 30.15    | -67.17      | -13.00      | 54.17       | Horizontal |
| 5               | 5519.5556       | 46.49          | -47.44      | 32.70    | -63.51      | -13.00      | 50.51       | Horizontal |
| 6               | 7258.2222       | 45.42          | -46.13      | 36.22    | -59.75      | -13.00      | 46.75       | Horizontal |

| Final Data List |                 |                |             |          |             |             |             |          |
|-----------------|-----------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 1427.1111       | 47.87          | -49.96      | 24.41    | -72.94      | -13.00      | 59.94       | Vertical |
| 2               | 1989.3333       | 47.42          | -49.68      | 26.66    | -70.86      | -13.00      | 57.86       | Vertical |
| 3               | 2976.8889       | 46.25          | -48.40      | 28.44    | -68.97      | -13.00      | 55.97       | Vertical |
| 4               | 3924            | 46.09          | -48.41      | 29.29    | -68.29      | -13.00      | 55.29       | Vertical |
| 5               | 5436            | 46.72          | -47.42      | 32.55    | -63.42      | -13.00      | 50.42       | Vertical |
| 6               | 7223.1111       | 45.95          | -46.16      | 36.14    | -59.33      | -13.00      | 46.33       | Vertical |

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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## 4. 99% & 26dB Bandwidth

### 4.1 15k\_SISO\_5MHz\_NTNV

#### 4.1.1 Test Result

| 5G NR n5 SCS=15kHz SISO 5MHz NTN |                 |               |                     |                      |             |         |
|----------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK             | 826.5           | Outer_Full    | 4.54                | 4.99                 | /           | Pass    |
|                                  | 836.5           | Outer_Full    | 4.54                | 4.97                 | /           | Pass    |
|                                  | 846.5           | Outer_Full    | 4.55                | 5.01                 | /           | Pass    |
| DFT-s-OFDM QPSK                  | 826.5           | Outer_Full    | 4.55                | 5.00                 | /           | Pass    |
|                                  | 836.5           | Outer_Full    | 4.55                | 5.00                 | /           | Pass    |
|                                  | 846.5           | Outer_Full    | 4.56                | 5.02                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                | 826.5           | Outer_Full    | 4.55                | 5.00                 | /           | Pass    |
|                                  | 836.5           | Outer_Full    | 4.54                | 4.98                 | /           | Pass    |
|                                  | 846.5           | Outer_Full    | 4.54                | 5.01                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                | 826.5           | Outer_Full    | 4.56                | 5.03                 | /           | Pass    |
|                                  | 836.5           | Outer_Full    | 4.56                | 4.98                 | /           | Pass    |
|                                  | 846.5           | Outer_Full    | 4.55                | 5.01                 | /           | Pass    |
| DFT-s-OFDM 256 QAM               | 826.5           | Outer_Full    | 4.54                | 4.99                 | /           | Pass    |
|                                  | 836.5           | Outer_Full    | 4.53                | 4.97                 | /           | Pass    |
|                                  | 846.5           | Outer_Full    | 4.53                | 4.98                 | /           | Pass    |
| CP-OFDM QPSK                     | 826.5           | Outer_Full    | 4.52                | 4.97                 | /           | Pass    |
|                                  | 836.5           | Outer_Full    | 4.53                | 5.00                 | /           | Pass    |
|                                  | 846.5           | Outer_Full    | 4.52                | 4.99                 | /           | Pass    |
| CP-OFDM 16 QAM                   | 826.5           | Outer_Full    | 4.54                | 4.97                 | /           | Pass    |
|                                  | 836.5           | Outer_Full    | 4.53                | 4.97                 | /           | Pass    |
|                                  | 846.5           | Outer_Full    | 4.53                | 4.97                 | /           | Pass    |
| CP-OFDM 64 QAM                   | 826.5           | Outer_Full    | 4.54                | 5.03                 | /           | Pass    |
|                                  | 836.5           | Outer_Full    | 4.54                | 5.00                 | /           | Pass    |
|                                  | 846.5           | Outer_Full    | 4.52                | 5.38                 | /           | Pass    |
| CP-OFDM 256 QAM                  | 826.5           | Outer_Full    | 4.51                | 5.01                 | /           | Pass    |
|                                  | 836.5           | Outer_Full    | 4.51                | 4.98                 | /           | Pass    |
|                                  | 846.5           | Outer_Full    | 4.50                | 4.99                 | /           | Pass    |



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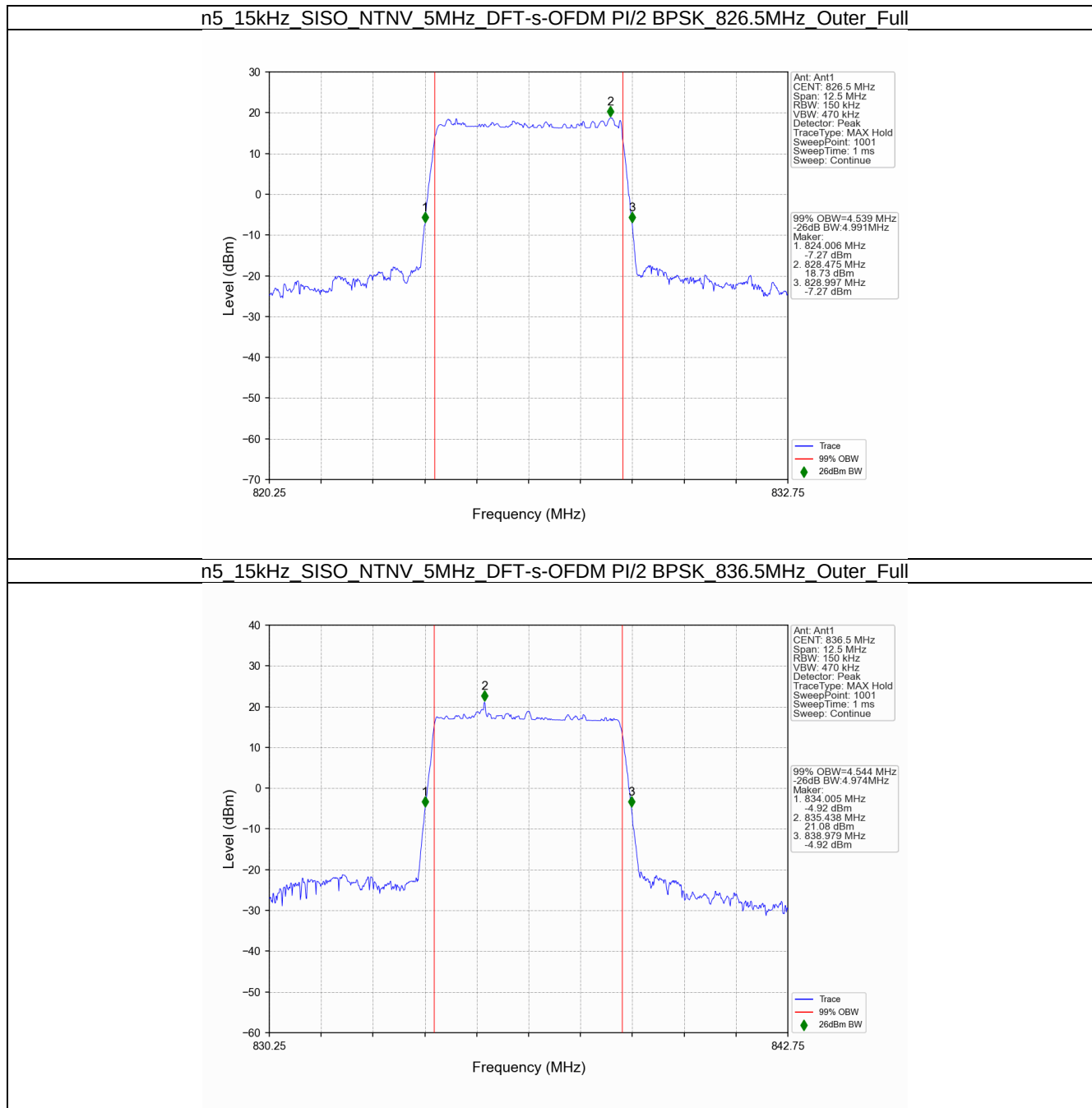
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### 4.1.2 Test Graph



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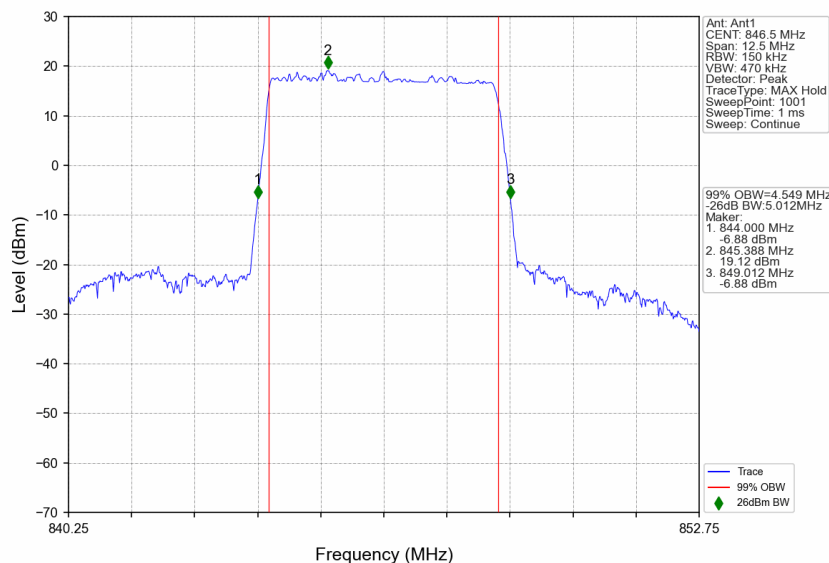
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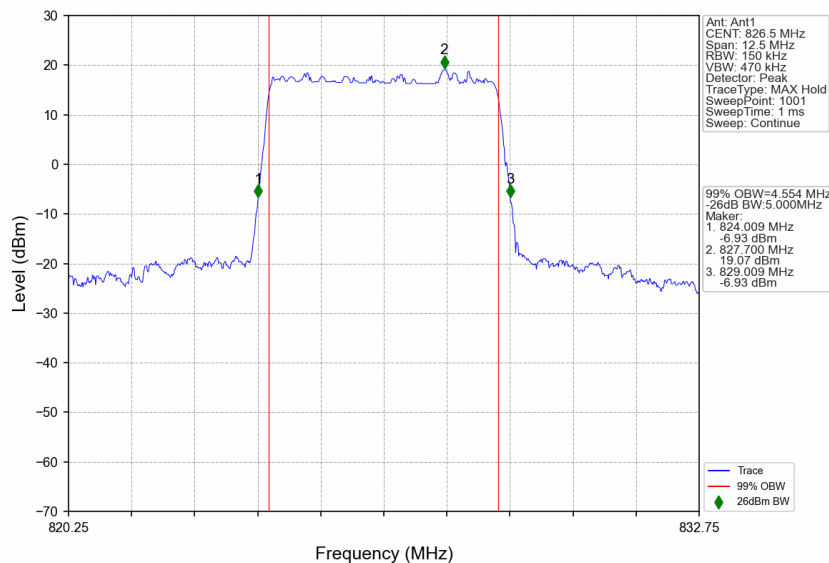
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### n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_846.5MHz\_Outer\_Full



### n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_826.5MHz\_Outer\_Full



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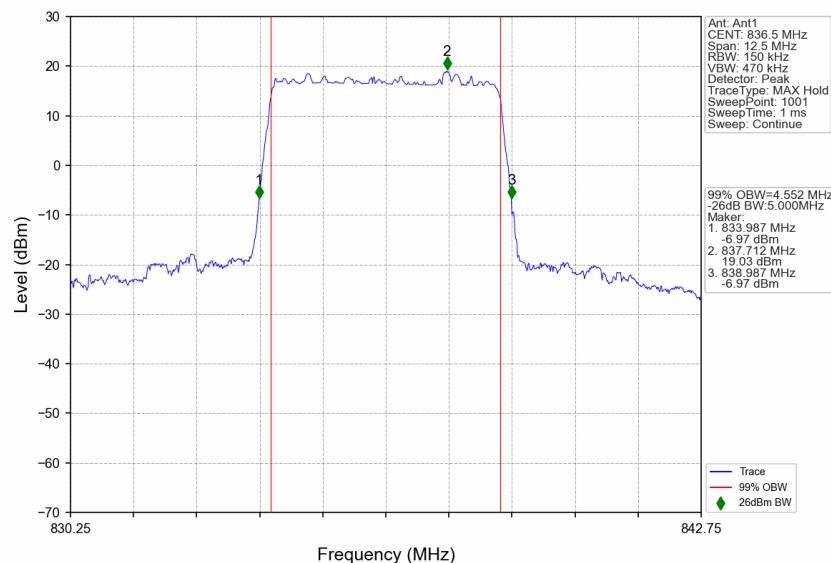
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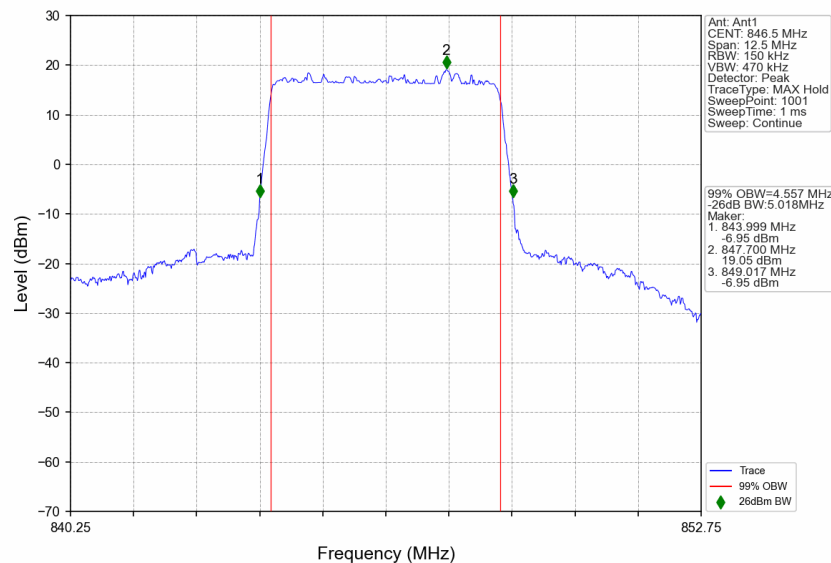
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n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_846.5MHz\_Outer\_Full



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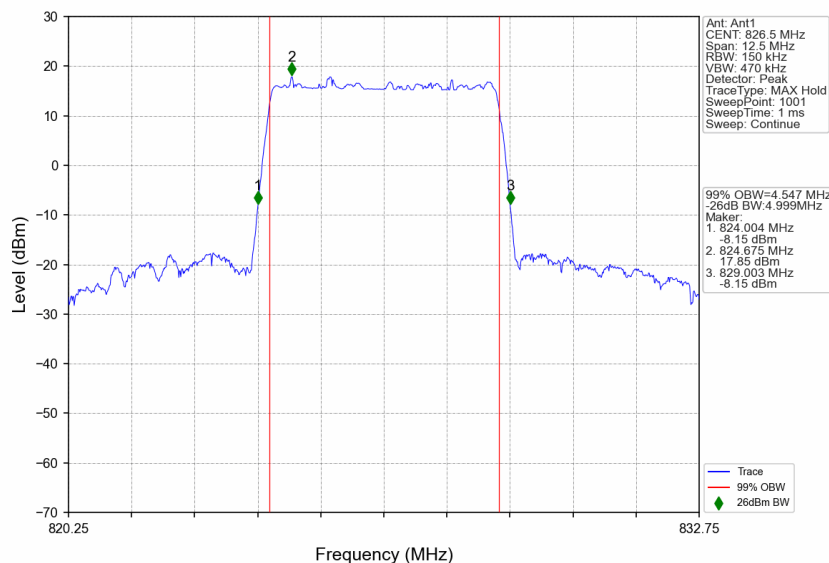
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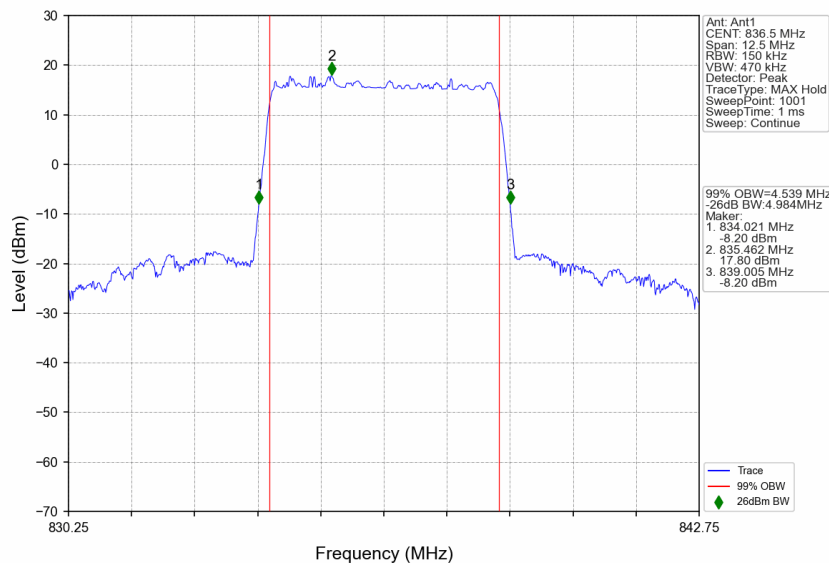
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n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_16\_QAM\_826.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_16\_QAM\_836.5MHz\_Outer\_Full



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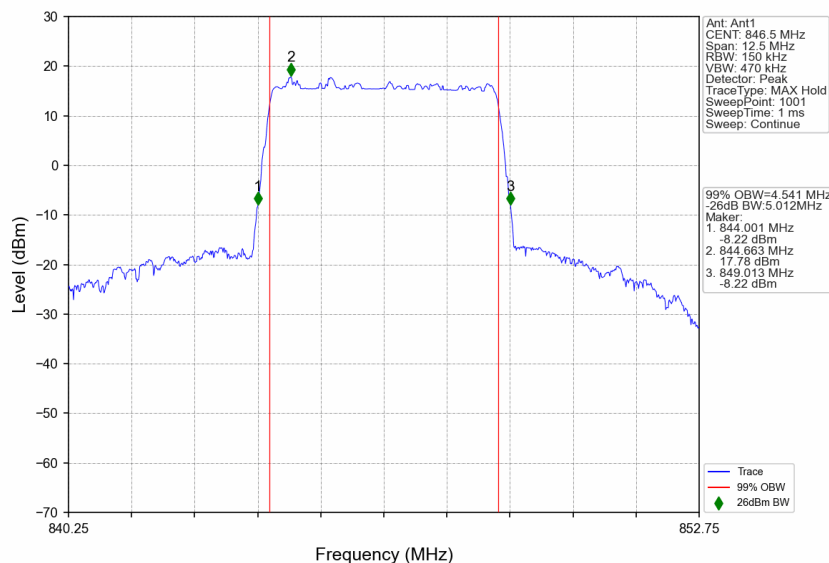
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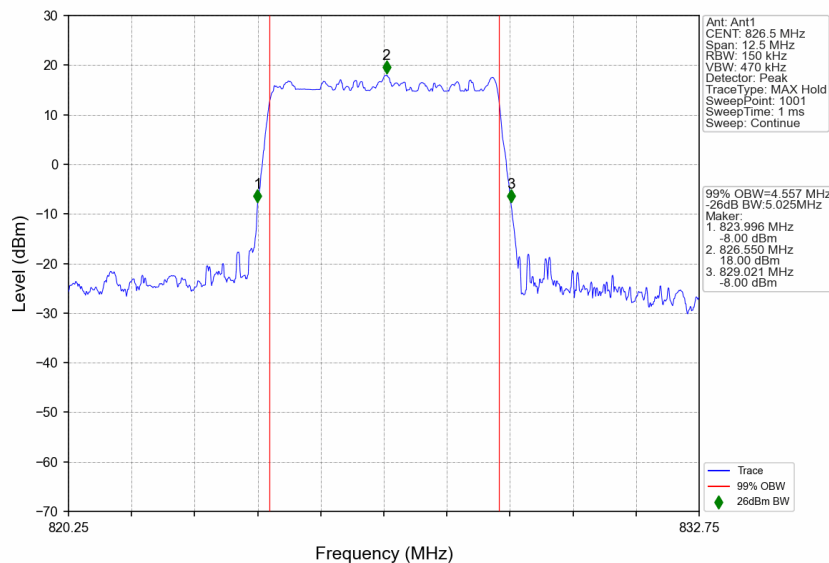
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n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_846.5MHz\_Outer\_Full



n5\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 64 QAM\_826.5MHz\_Outer\_Full



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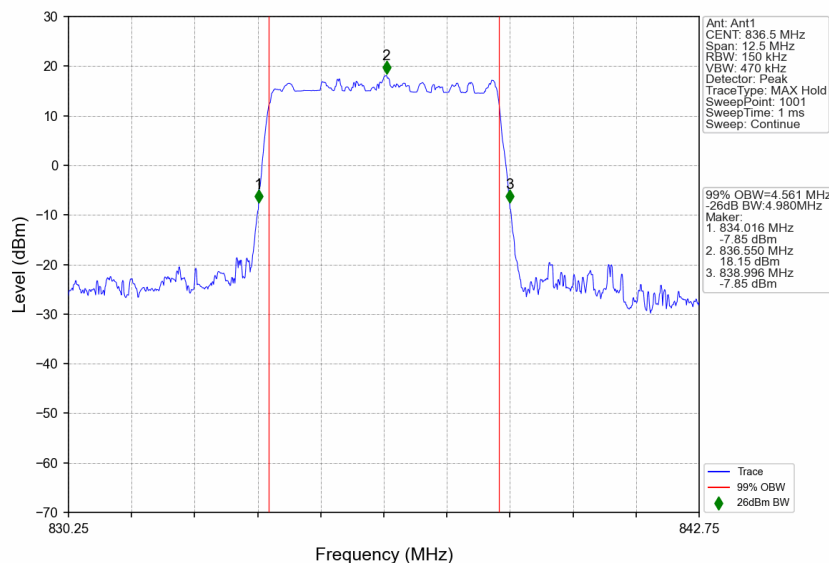
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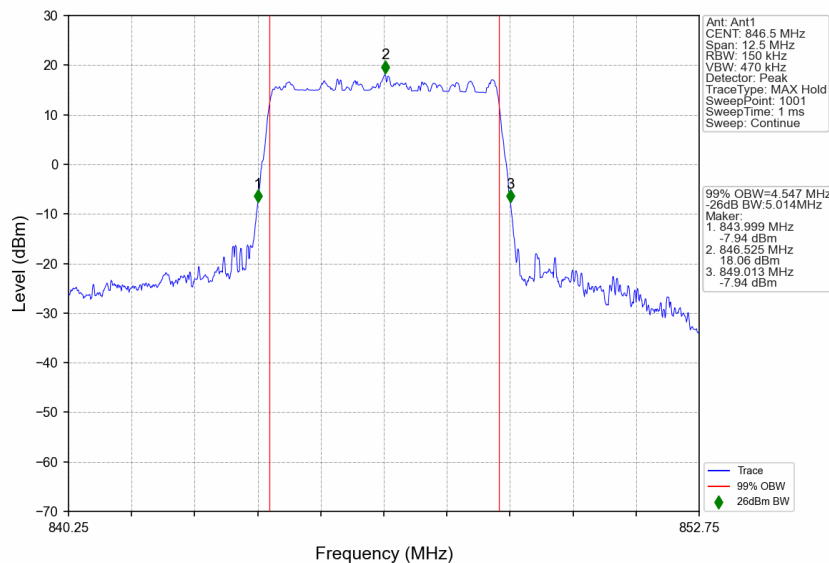
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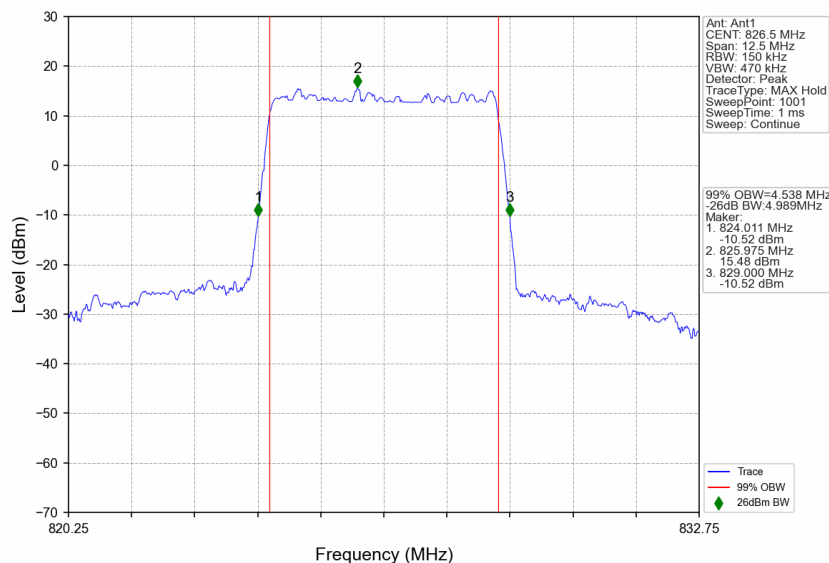
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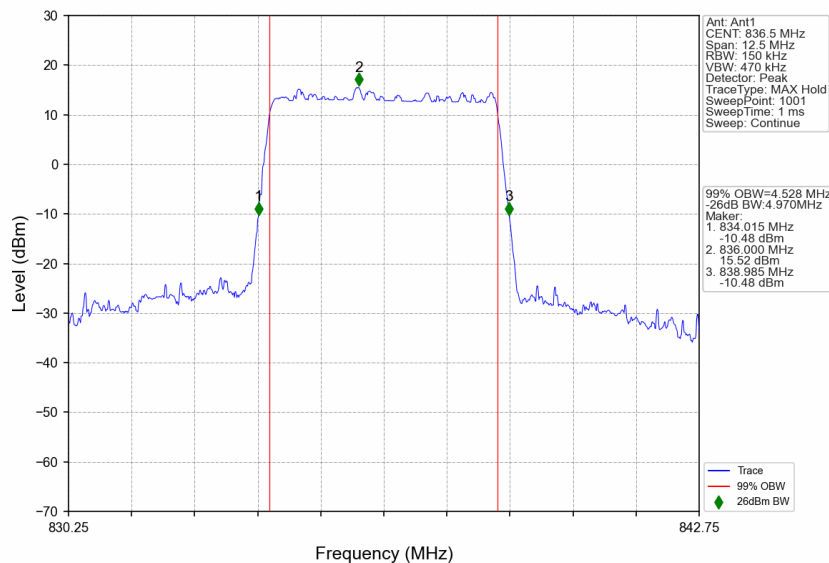
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