

# **Appendix for DC\_66A\_n41A (2496-2690)**

## Catalogue

|                                                                      |           |
|----------------------------------------------------------------------|-----------|
| <b>1. EFFECTIVE ISOTROPIC RADIATED POWER .....</b>                   | <b>3</b>  |
| 1.1. TEST RESULTS @ ANT4 (ANTENNA GAIN=-2.10DBI).....                | 3         |
| <b>2. PEAK-TO-AVERAGE RATIO .....</b>                                | <b>7</b>  |
| 2.1. TEST RESULTS .....                                              | 7         |
| 2.2. TEST PLOTS FOR SCS=30KHZ .....                                  | 7         |
| <b>3. MODULATION CHARACTERISTICS .....</b>                           | <b>8</b>  |
| 3.1. TEST PLOTS FOR SCS=30KHZ .....                                  | 8         |
| <b>4. 99% OCCUPIED BANDWIDTH &amp; 26DB EMISSION BANDWIDTH .....</b> | <b>9</b>  |
| 4.1. TEST RESULTS .....                                              | 9         |
| 4.2. TEST PLOTS FOR SCS=30KHZ .....                                  | 11        |
| <b>5. CONDUCTED BAND EDGES .....</b>                                 | <b>25</b> |
| 5.1. TEST PLOTS FOR SCS=30KHZ .....                                  | 25        |
| <b>6. CONDUCTED SPURIOUS EMISSION .....</b>                          | <b>43</b> |
| 6.1. TEST PLOTS FOR SCS=30KHZ .....                                  | 43        |
| <b>7. FREQUENCY STABILITY .....</b>                                  | <b>55</b> |
| 7.1. TEST RESULTS .....                                              | 55        |

## 1. Effective Isotropic Radiated Power

### 1.1. Test Results @ Ant4 (Antenna Gain=-2.10dBi)

| SCS   | Bandwidth | Channel | Modulation  | Conducted Result (dBm) |                 |            | Max EIRP (dBm) | Limit (dBm) | Verdict |
|-------|-----------|---------|-------------|------------------------|-----------------|------------|----------------|-------------|---------|
|       |           |         |             | Inner_1RB_Left         | Inner_1RB_Right | Inner_Full |                |             |         |
| 30KHz | 10MHz     | LCH     | DFT-Pi2BPSK | 23.07                  | 23.07           | 23.09      | 20.99          | 33.00       | Pass    |
| 30KHz | 10MHz     | LCH     | DFT-QPSK    | 22.91                  | 22.93           | 23.46      | 21.36          | 33.00       | Pass    |
| 30KHz | 10MHz     | LCH     | DFT-16QAM   | 21.78                  | 21.84           | 22.20      | 20.10          | 33.00       | Pass    |
| 30KHz | 10MHz     | LCH     | DFT-64QAM   | 20.55                  | 20.55           | 20.75      | 18.65          | 33.00       | Pass    |
| 30KHz | 10MHz     | LCH     | DFT-256QAM  | 18.54                  | 18.59           | 18.79      | 16.69          | 33.00       | Pass    |
| 30KHz | 10MHz     | LCH     | CP-QPSK     | 21.33                  | 21.41           | 21.60      | 19.50          | 33.00       | Pass    |
| 30KHz | 10MHz     | MCH     | DFT-Pi2BPSK | 23.27                  | 23.37           | 23.33      | 21.27          | 33.00       | Pass    |
| 30KHz | 10MHz     | MCH     | DFT-QPSK    | 23.18                  | 23.29           | 23.36      | 21.26          | 33.00       | Pass    |
| 30KHz | 10MHz     | MCH     | DFT-16QAM   | 21.96                  | 22.05           | 22.35      | 20.25          | 33.00       | Pass    |
| 30KHz | 10MHz     | MCH     | DFT-64QAM   | 20.76                  | 20.84           | 20.93      | 18.83          | 33.00       | Pass    |
| 30KHz | 10MHz     | MCH     | DFT-256QAM  | 18.76                  | 18.79           | 18.95      | 16.85          | 33.00       | Pass    |
| 30KHz | 10MHz     | MCH     | CP-QPSK     | 21.58                  | 21.68           | 21.71      | 19.61          | 33.00       | Pass    |
| 30KHz | 10MHz     | HCH     | DFT-Pi2BPSK | 23.45                  | 23.47           | 23.54      | 21.44          | 33.00       | Pass    |
| 30KHz | 10MHz     | HCH     | DFT-QPSK    | 23.40                  | 23.37           | 23.55      | 21.45          | 33.00       | Pass    |
| 30KHz | 10MHz     | HCH     | DFT-16QAM   | 22.29                  | 22.31           | 22.64      | 20.54          | 33.00       | Pass    |
| 30KHz | 10MHz     | HCH     | DFT-64QAM   | 21.04                  | 21.11           | 21.26      | 19.16          | 33.00       | Pass    |
| 30KHz | 10MHz     | HCH     | DFT-256QAM  | 19.04                  | 19.09           | 19.31      | 17.21          | 33.00       | Pass    |
| 30KHz | 10MHz     | HCH     | CP-QPSK     | 21.78                  | 21.79           | 21.91      | 19.81          | 33.00       | Pass    |
| 30KHz | 15MHz     | LCH     | DFT-Pi2BPSK | 23.13                  | 23.14           | 23.13      | 21.04          | 33.00       | Pass    |
| 30KHz | 15MHz     | LCH     | DFT-QPSK    | 22.89                  | 22.97           | 23.12      | 21.02          | 33.00       | Pass    |
| 30KHz | 15MHz     | LCH     | DFT-16QAM   | 21.72                  | 21.82           | 22.18      | 20.08          | 33.00       | Pass    |
| 30KHz | 15MHz     | LCH     | DFT-64QAM   | 20.53                  | 20.59           | 20.76      | 18.66          | 33.00       | Pass    |
| 30KHz | 15MHz     | LCH     | DFT-256QAM  | 18.52                  | 18.63           | 18.66      | 16.56          | 33.00       | Pass    |
| 30KHz | 15MHz     | LCH     | CP-QPSK     | 21.43                  | 21.44           | 21.51      | 19.41          | 33.00       | Pass    |
| 30KHz | 15MHz     | MCH     | DFT-Pi2BPSK | 23.20                  | 23.38           | 23.31      | 21.28          | 33.00       | Pass    |
| 30KHz | 15MHz     | MCH     | DFT-QPSK    | 23.11                  | 23.25           | 23.31      | 21.21          | 33.00       | Pass    |
| 30KHz | 15MHz     | MCH     | DFT-16QAM   | 21.93                  | 22.10           | 22.32      | 20.22          | 33.00       | Pass    |
| 30KHz | 15MHz     | MCH     | DFT-64QAM   | 20.71                  | 20.90           | 20.93      | 18.83          | 33.00       | Pass    |
| 30KHz | 15MHz     | MCH     | DFT-256QAM  | 18.79                  | 18.95           | 18.89      | 16.85          | 33.00       | Pass    |
| 30KHz | 15MHz     | MCH     | CP-QPSK     | 21.60                  | 21.69           | 21.68      | 19.59          | 33.00       | Pass    |
| 30KHz | 15MHz     | HCH     | DFT-Pi2BPSK | 23.36                  | 23.46           | 23.52      | 21.42          | 33.00       | Pass    |
| 30KHz | 15MHz     | HCH     | DFT-QPSK    | 23.28                  | 23.36           | 23.51      | 21.41          | 33.00       | Pass    |
| 30KHz | 15MHz     | HCH     | DFT-16QAM   | 22.08                  | 22.19           | 22.53      | 20.43          | 33.00       | Pass    |
| 30KHz | 15MHz     | HCH     | DFT-64QAM   | 20.87                  | 21.03           | 21.14      | 19.04          | 33.00       | Pass    |
| 30KHz | 15MHz     | HCH     | DFT-256QAM  | 18.95                  | 19.06           | 19.11      | 17.01          | 33.00       | Pass    |
| 30KHz | 15MHz     | HCH     | CP-QPSK     | 21.72                  | 21.83           | 21.96      | 19.86          | 33.00       | Pass    |
| 30KHz | 20MHz     | LCH     | DFT-Pi2BPSK | 23.16                  | 23.09           | 23.15      | 21.06          | 33.00       | Pass    |
| 30KHz | 20MHz     | LCH     | DFT-QPSK    | 22.88                  | 22.92           | 23.16      | 21.06          | 33.00       | Pass    |
| 30KHz | 20MHz     | LCH     | DFT-16QAM   | 21.72                  | 21.79           | 22.15      | 20.05          | 33.00       | Pass    |
| 30KHz | 20MHz     | LCH     | DFT-64QAM   | 20.54                  | 20.57           | 20.68      | 18.58          | 33.00       | Pass    |
| 30KHz | 20MHz     | LCH     | DFT-256QAM  | 18.57                  | 18.58           | 18.72      | 16.62          | 33.00       | Pass    |
| 30KHz | 20MHz     | LCH     | CP-QPSK     | 21.33                  | 21.44           | 21.71      | 19.61          | 33.00       | Pass    |
| 30KHz | 20MHz     | MCH     | DFT-Pi2BPSK | 23.25                  | 23.44           | 23.31      | 21.34          | 33.00       | Pass    |
| 30KHz | 20MHz     | MCH     | DFT-QPSK    | 23.09                  | 23.36           | 23.36      | 21.26          | 33.00       | Pass    |
| 30KHz | 20MHz     | MCH     | DFT-16QAM   | 21.93                  | 22.14           | 22.29      | 20.19          | 33.00       | Pass    |
| 30KHz | 20MHz     | MCH     | DFT-64QAM   | 20.73                  | 20.89           | 20.87      | 18.79          | 33.00       | Pass    |
| 30KHz | 20MHz     | MCH     | DFT-256QAM  | 18.78                  | 18.95           | 18.86      | 16.85          | 33.00       | Pass    |
| 30KHz | 20MHz     | MCH     | CP-QPSK     | 21.62                  | 21.83           | 21.81      | 19.73          | 33.00       | Pass    |
| 30KHz | 20MHz     | HCH     | DFT-Pi2BPSK | 23.30                  | 23.50           | 23.46      | 21.40          | 33.00       | Pass    |
| 30KHz | 20MHz     | HCH     | DFT-QPSK    | 23.26                  | 23.36           | 23.52      | 21.42          | 33.00       | Pass    |
| 30KHz | 20MHz     | HCH     | DFT-16QAM   | 22.09                  | 22.23           | 22.49      | 20.39          | 33.00       | Pass    |
| 30KHz | 20MHz     | HCH     | DFT-64QAM   | 20.87                  | 21.10           | 21.09      | 19.00          | 33.00       | Pass    |
| 30KHz | 20MHz     | HCH     | DFT-256QAM  | 18.92                  | 19.12           | 19.20      | 17.10          | 33.00       | Pass    |
| 30KHz | 20MHz     | HCH     | CP-QPSK     | 21.68                  | 21.86           | 22.03      | 19.93          | 33.00       | Pass    |
| 30KHz | 25MHz     | LCH     | DFT-Pi2BPSK | 23.12                  | 23.01           | 23.10      | 21.02          | 33.00       | Pass    |
| 30KHz | 25MHz     | LCH     | DFT-QPSK    | 22.90                  | 22.85           | 23.12      | 21.02          | 33.00       | Pass    |
| 30KHz | 25MHz     | LCH     | DFT-16QAM   | 21.66                  | 21.61           | 22.11      | 20.01          | 33.00       | Pass    |
| 30KHz | 25MHz     | LCH     | DFT-64QAM   | 20.56                  | 20.49           | 20.70      | 18.60          | 33.00       | Pass    |
| 30KHz | 25MHz     | LCH     | DFT-256QAM  | 18.60                  | 18.53           | 18.68      | 16.58          | 33.00       | Pass    |

|       |       |     |             |       |       |       |       |       |      |
|-------|-------|-----|-------------|-------|-------|-------|-------|-------|------|
| 30KHz | 25MHz | LCH | CP-QPSK     | 21.40 | 21.35 | 21.57 | 19.47 | 33.00 | Pass |
| 30KHz | 25MHz | MCH | DFT-Pi2BPSK | 23.23 | 23.48 | 23.32 | 21.38 | 33.00 | Pass |
| 30KHz | 25MHz | MCH | DFT-QPSK    | 23.09 | 23.36 | 23.32 | 21.26 | 33.00 | Pass |
| 30KHz | 25MHz | MCH | DFT-16QAM   | 21.87 | 22.17 | 22.34 | 20.24 | 33.00 | Pass |
| 30KHz | 25MHz | MCH | DFT-64QAM   | 20.74 | 20.97 | 20.86 | 18.87 | 33.00 | Pass |
| 30KHz | 25MHz | MCH | DFT-256QAM  | 18.64 | 18.99 | 18.87 | 16.89 | 33.00 | Pass |
| 30KHz | 25MHz | MCH | CP-QPSK     | 21.61 | 21.84 | 21.75 | 19.74 | 33.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-Pi2BPSK | 23.29 | 23.47 | 23.54 | 21.44 | 33.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-QPSK    | 23.25 | 23.37 | 23.52 | 21.42 | 33.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-16QAM   | 22.11 | 22.29 | 22.56 | 20.46 | 33.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-64QAM   | 20.87 | 21.08 | 21.09 | 18.99 | 33.00 | Pass |
| 30KHz | 25MHz | HCH | DFT-256QAM  | 18.87 | 19.15 | 19.15 | 17.05 | 33.00 | Pass |
| 30KHz | 25MHz | HCH | CP-QPSK     | 21.63 | 21.81 | 22.03 | 19.93 | 33.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-Pi2BPSK | 23.21 | 23.01 | 23.19 | 21.11 | 33.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-QPSK    | 22.95 | 22.92 | 23.17 | 21.07 | 33.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-16QAM   | 21.90 | 21.71 | 22.22 | 20.12 | 33.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-64QAM   | 20.59 | 20.52 | 20.68 | 18.58 | 33.00 | Pass |
| 30KHz | 30MHz | LCH | DFT-256QAM  | 18.56 | 18.55 | 18.71 | 16.61 | 33.00 | Pass |
| 30KHz | 30MHz | LCH | CP-QPSK     | 21.47 | 21.35 | 21.70 | 19.60 | 33.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-Pi2BPSK | 23.33 | 23.53 | 23.33 | 21.43 | 33.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-QPSK    | 23.15 | 23.45 | 23.35 | 21.35 | 33.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-16QAM   | 21.96 | 22.28 | 22.42 | 20.32 | 33.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-64QAM   | 20.78 | 21.04 | 20.88 | 18.94 | 33.00 | Pass |
| 30KHz | 30MHz | MCH | DFT-256QAM  | 18.80 | 19.00 | 18.88 | 16.90 | 33.00 | Pass |
| 30KHz | 30MHz | MCH | CP-QPSK     | 21.58 | 21.84 | 21.89 | 19.79 | 33.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-Pi2BPSK | 23.25 | 23.51 | 23.52 | 21.42 | 33.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-QPSK    | 23.25 | 23.43 | 23.51 | 21.41 | 33.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-16QAM   | 22.03 | 22.29 | 22.55 | 20.45 | 33.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-64QAM   | 20.78 | 21.11 | 21.10 | 19.01 | 33.00 | Pass |
| 30KHz | 30MHz | HCH | DFT-256QAM  | 18.82 | 19.12 | 19.09 | 17.02 | 33.00 | Pass |
| 30KHz | 30MHz | HCH | CP-QPSK     | 21.68 | 21.96 | 22.04 | 19.94 | 33.00 | Pass |
| 30KHz | 35MHz | LCH | DFT-Pi2BPSK | 23.19 | 23.07 | 23.16 | 21.09 | 33.00 | Pass |
| 30KHz | 35MHz | LCH | DFT-QPSK    | 22.96 | 23.00 | 23.13 | 21.03 | 33.00 | Pass |
| 30KHz | 35MHz | LCH | DFT-16QAM   | 21.71 | 21.79 | 22.16 | 20.06 | 33.00 | Pass |
| 30KHz | 35MHz | LCH | DFT-64QAM   | 20.61 | 20.56 | 20.66 | 18.56 | 33.00 | Pass |
| 30KHz | 35MHz | LCH | DFT-256QAM  | 18.59 | 18.61 | 18.68 | 16.58 | 33.00 | Pass |
| 30KHz | 35MHz | LCH | CP-QPSK     | 21.55 | 21.47 | 21.58 | 19.48 | 33.00 | Pass |
| 30KHz | 35MHz | MCH | DFT-Pi2BPSK | 23.27 | 23.51 | 23.35 | 21.41 | 33.00 | Pass |
| 30KHz | 35MHz | MCH | DFT-QPSK    | 23.13 | 23.43 | 23.35 | 21.33 | 33.00 | Pass |
| 30KHz | 35MHz | MCH | DFT-16QAM   | 21.98 | 22.31 | 22.37 | 20.27 | 33.00 | Pass |
| 30KHz | 35MHz | MCH | DFT-64QAM   | 20.77 | 21.08 | 20.92 | 18.98 | 33.00 | Pass |
| 30KHz | 35MHz | MCH | DFT-256QAM  | 18.82 | 19.08 | 18.91 | 16.98 | 33.00 | Pass |
| 30KHz | 35MHz | MCH | CP-QPSK     | 21.65 | 21.95 | 21.81 | 19.85 | 33.00 | Pass |
| 30KHz | 35MHz | HCH | DFT-Pi2BPSK | 23.31 | 23.53 | 23.49 | 21.43 | 33.00 | Pass |
| 30KHz | 35MHz | HCH | DFT-QPSK    | 23.26 | 23.44 | 23.52 | 21.42 | 33.00 | Pass |
| 30KHz | 35MHz | HCH | DFT-16QAM   | 22.04 | 22.28 | 22.49 | 20.39 | 33.00 | Pass |
| 30KHz | 35MHz | HCH | DFT-64QAM   | 20.89 | 21.13 | 21.06 | 19.03 | 33.00 | Pass |
| 30KHz | 35MHz | HCH | DFT-256QAM  | 18.87 | 19.19 | 19.09 | 17.09 | 33.00 | Pass |
| 30KHz | 35MHz | HCH | CP-QPSK     | 21.72 | 21.97 | 22.05 | 19.95 | 33.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-Pi2BPSK | 23.15 | 23.13 | 23.16 | 21.06 | 33.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-QPSK    | 22.93 | 23.04 | 23.12 | 21.02 | 33.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-16QAM   | 21.72 | 21.84 | 22.11 | 20.01 | 33.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-64QAM   | 20.59 | 20.65 | 20.66 | 18.56 | 33.00 | Pass |
| 30KHz | 40MHz | LCH | DFT-256QAM  | 18.61 | 18.69 | 18.70 | 16.60 | 33.00 | Pass |
| 30KHz | 40MHz | LCH | CP-QPSK     | 21.47 | 21.44 | 21.59 | 19.49 | 33.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-Pi2BPSK | 23.26 | 23.47 | 23.38 | 21.37 | 33.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-QPSK    | 23.08 | 23.41 | 23.36 | 21.31 | 33.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-16QAM   | 21.91 | 22.23 | 22.34 | 20.24 | 33.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-64QAM   | 20.77 | 21.08 | 20.92 | 18.98 | 33.00 | Pass |
| 30KHz | 40MHz | MCH | DFT-256QAM  | 18.79 | 19.12 | 18.94 | 17.02 | 33.00 | Pass |
| 30KHz | 40MHz | MCH | CP-QPSK     | 21.58 | 21.87 | 21.87 | 19.77 | 33.00 | Pass |
| 30KHz | 40MHz | HCH | DFT-Pi2BPSK | 23.35 | 23.57 | 23.50 | 21.47 | 33.00 | Pass |
| 30KHz | 40MHz | HCH | DFT-QPSK    | 23.29 | 23.47 | 23.49 | 21.39 | 33.00 | Pass |
| 30KHz | 40MHz | HCH | DFT-16QAM   | 22.04 | 22.31 | 22.52 | 20.42 | 33.00 | Pass |

|       |       |     |             |       |       |       |       |       |      |
|-------|-------|-----|-------------|-------|-------|-------|-------|-------|------|
| 30KHz | 40MHz | HCH | DFT-64QAM   | 20.85 | 21.16 | 21.05 | 19.06 | 33.00 | Pass |
| 30KHz | 40MHz | HCH | DFT-256QAM  | 18.88 | 19.15 | 19.07 | 17.05 | 33.00 | Pass |
| 30KHz | 40MHz | HCH | CP-QPSK     | 21.71 | 21.93 | 21.97 | 19.87 | 33.00 | Pass |
| 30KHz | 45MHz | LCH | DFT-Pi2BPSK | 23.15 | 23.16 | 23.15 | 21.06 | 33.00 | Pass |
| 30KHz | 45MHz | LCH | DFT-QPSK    | 22.91 | 23.04 | 23.13 | 21.03 | 33.00 | Pass |
| 30KHz | 45MHz | LCH | DFT-16QAM   | 21.70 | 21.80 | 22.18 | 20.08 | 33.00 | Pass |
| 30KHz | 45MHz | LCH | DFT-64QAM   | 20.58 | 20.68 | 20.74 | 18.64 | 33.00 | Pass |
| 30KHz | 45MHz | LCH | DFT-256QAM  | 18.64 | 18.71 | 18.69 | 16.61 | 33.00 | Pass |
| 30KHz | 45MHz | LCH | CP-QPSK     | 21.49 | 21.51 | 21.60 | 19.50 | 33.00 | Pass |
| 30KHz | 45MHz | MCH | DFT-Pi2BPSK | 23.24 | 23.46 | 23.35 | 21.36 | 33.00 | Pass |
| 30KHz | 45MHz | MCH | DFT-QPSK    | 23.07 | 23.40 | 23.35 | 21.30 | 33.00 | Pass |
| 30KHz | 45MHz | MCH | DFT-16QAM   | 21.85 | 22.15 | 22.34 | 20.24 | 33.00 | Pass |
| 30KHz | 45MHz | MCH | DFT-64QAM   | 20.73 | 21.02 | 20.92 | 18.92 | 33.00 | Pass |
| 30KHz | 45MHz | MCH | DFT-256QAM  | 18.82 | 19.12 | 18.96 | 17.02 | 33.00 | Pass |
| 30KHz | 45MHz | MCH | CP-QPSK     | 21.56 | 21.80 | 21.87 | 19.77 | 33.00 | Pass |
| 30KHz | 45MHz | HCH | DFT-Pi2BPSK | 23.37 | 23.52 | 23.48 | 21.42 | 33.00 | Pass |
| 30KHz | 45MHz | HCH | DFT-QPSK    | 23.33 | 23.48 | 23.47 | 21.38 | 33.00 | Pass |
| 30KHz | 45MHz | HCH | DFT-16QAM   | 22.18 | 22.33 | 22.49 | 20.39 | 33.00 | Pass |
| 30KHz | 45MHz | HCH | DFT-64QAM   | 20.94 | 21.15 | 21.07 | 19.05 | 33.00 | Pass |
| 30KHz | 45MHz | HCH | DFT-256QAM  | 18.98 | 19.22 | 19.12 | 17.12 | 33.00 | Pass |
| 30KHz | 45MHz | HCH | CP-QPSK     | 21.72 | 21.96 | 22.00 | 19.90 | 33.00 | Pass |
| 30KHz | 50MHz | LCH | DFT-Pi2BPSK | 23.14 | 23.20 | 23.14 | 21.10 | 33.00 | Pass |
| 30KHz | 50MHz | LCH | DFT-QPSK    | 22.88 | 23.07 | 23.14 | 21.04 | 33.00 | Pass |
| 30KHz | 50MHz | LCH | DFT-16QAM   | 21.64 | 21.84 | 22.08 | 19.98 | 33.00 | Pass |
| 30KHz | 50MHz | LCH | DFT-64QAM   | 20.55 | 20.71 | 20.68 | 18.61 | 33.00 | Pass |
| 30KHz | 50MHz | LCH | DFT-256QAM  | 18.57 | 18.65 | 18.72 | 16.62 | 33.00 | Pass |
| 30KHz | 50MHz | LCH | CP-QPSK     | 21.49 | 21.61 | 21.55 | 19.51 | 33.00 | Pass |
| 30KHz | 50MHz | MCH | DFT-Pi2BPSK | 23.19 | 23.52 | 23.39 | 21.42 | 33.00 | Pass |
| 30KHz | 50MHz | MCH | DFT-QPSK    | 23.03 | 23.48 | 23.39 | 21.38 | 33.00 | Pass |
| 30KHz | 50MHz | MCH | DFT-16QAM   | 21.82 | 22.22 | 22.35 | 20.25 | 33.00 | Pass |
| 30KHz | 50MHz | MCH | DFT-64QAM   | 20.68 | 21.06 | 20.97 | 18.96 | 33.00 | Pass |
| 30KHz | 50MHz | MCH | DFT-256QAM  | 18.73 | 19.09 | 18.97 | 16.99 | 33.00 | Pass |
| 30KHz | 50MHz | MCH | CP-QPSK     | 21.57 | 21.88 | 21.83 | 19.78 | 33.00 | Pass |
| 30KHz | 50MHz | HCH | DFT-Pi2BPSK | 23.34 | 23.50 | 23.49 | 21.40 | 33.00 | Pass |
| 30KHz | 50MHz | HCH | DFT-QPSK    | 23.29 | 23.40 | 23.47 | 21.37 | 33.00 | Pass |
| 30KHz | 50MHz | HCH | DFT-16QAM   | 21.99 | 22.23 | 22.45 | 20.35 | 33.00 | Pass |
| 30KHz | 50MHz | HCH | DFT-64QAM   | 20.86 | 21.08 | 21.04 | 18.98 | 33.00 | Pass |
| 30KHz | 50MHz | HCH | DFT-256QAM  | 18.91 | 19.19 | 19.07 | 17.09 | 33.00 | Pass |
| 30KHz | 50MHz | HCH | CP-QPSK     | 21.62 | 21.88 | 21.93 | 19.83 | 33.00 | Pass |
| 30KHz | 60MHz | LCH | DFT-Pi2BPSK | 23.09 | 23.16 | 23.02 | 21.06 | 33.00 | Pass |
| 30KHz | 60MHz | LCH | DFT-QPSK    | 22.79 | 23.00 | 23.00 | 20.90 | 33.00 | Pass |
| 30KHz | 60MHz | LCH | DFT-16QAM   | 21.60 | 21.88 | 22.08 | 19.98 | 33.00 | Pass |
| 30KHz | 60MHz | LCH | DFT-64QAM   | 20.47 | 20.70 | 20.61 | 18.60 | 33.00 | Pass |
| 30KHz | 60MHz | LCH | DFT-256QAM  | 18.44 | 18.71 | 18.56 | 16.61 | 33.00 | Pass |
| 30KHz | 60MHz | LCH | CP-QPSK     | 21.40 | 21.50 | 21.48 | 19.40 | 33.00 | Pass |
| 30KHz | 60MHz | MCH | DFT-Pi2BPSK | 23.10 | 23.45 | 23.30 | 21.35 | 33.00 | Pass |
| 30KHz | 60MHz | MCH | DFT-QPSK    | 22.92 | 23.37 | 23.24 | 21.27 | 33.00 | Pass |
| 30KHz | 60MHz | MCH | DFT-16QAM   | 21.72 | 22.20 | 22.32 | 20.22 | 33.00 | Pass |
| 30KHz | 60MHz | MCH | DFT-64QAM   | 20.62 | 21.04 | 20.85 | 18.94 | 33.00 | Pass |
| 30KHz | 60MHz | MCH | DFT-256QAM  | 18.61 | 19.08 | 18.86 | 16.98 | 33.00 | Pass |
| 30KHz | 60MHz | MCH | CP-QPSK     | 21.42 | 21.88 | 21.75 | 19.78 | 33.00 | Pass |
| 30KHz | 60MHz | HCH | DFT-Pi2BPSK | 23.18 | 23.47 | 23.35 | 21.37 | 33.00 | Pass |
| 30KHz | 60MHz | HCH | DFT-QPSK    | 23.07 | 23.37 | 23.29 | 21.27 | 33.00 | Pass |
| 30KHz | 60MHz | HCH | DFT-16QAM   | 21.82 | 22.15 | 22.38 | 20.28 | 33.00 | Pass |
| 30KHz | 60MHz | HCH | DFT-64QAM   | 20.62 | 21.10 | 20.96 | 19.00 | 33.00 | Pass |
| 30KHz | 60MHz | HCH | DFT-256QAM  | 18.73 | 18.97 | 18.96 | 16.87 | 33.00 | Pass |
| 30KHz | 60MHz | HCH | CP-QPSK     | 21.45 | 21.80 | 21.85 | 19.75 | 33.00 | Pass |
| 30KHz | 70MHz | LCH | DFT-Pi2BPSK | 23.18 | 23.28 | 23.16 | 21.18 | 33.00 | Pass |
| 30KHz | 70MHz | LCH | DFT-QPSK    | 22.92 | 23.08 | 23.09 | 20.99 | 33.00 | Pass |
| 30KHz | 70MHz | LCH | DFT-16QAM   | 21.75 | 21.91 | 22.13 | 20.03 | 33.00 | Pass |
| 30KHz | 70MHz | LCH | DFT-64QAM   | 20.60 | 20.78 | 20.67 | 18.68 | 33.00 | Pass |
| 30KHz | 70MHz | LCH | DFT-256QAM  | 18.62 | 18.77 | 18.73 | 16.67 | 33.00 | Pass |
| 30KHz | 70MHz | LCH | CP-QPSK     | 21.42 | 21.63 | 21.63 | 19.53 | 33.00 | Pass |
| 30KHz | 70MHz | MCH | DFT-Pi2BPSK | 23.22 | 23.56 | 23.39 | 21.46 | 33.00 | Pass |

|       |        |     |             |       |       |       |       |       |      |
|-------|--------|-----|-------------|-------|-------|-------|-------|-------|------|
| 30KHz | 70MHz  | MCH | DFT-QPSK    | 23.03 | 23.48 | 23.38 | 21.38 | 33.00 | Pass |
| 30KHz | 70MHz  | MCH | DFT-16QAM   | 21.90 | 22.35 | 22.41 | 20.31 | 33.00 | Pass |
| 30KHz | 70MHz  | MCH | DFT-64QAM   | 20.63 | 21.10 | 20.95 | 19.00 | 33.00 | Pass |
| 30KHz | 70MHz  | MCH | DFT-256QAM  | 18.68 | 19.17 | 18.98 | 17.07 | 33.00 | Pass |
| 30KHz | 70MHz  | MCH | CP-QPSK     | 21.52 | 21.95 | 21.93 | 19.85 | 33.00 | Pass |
| 30KHz | 70MHz  | HCH | DFT-Pi2BPSK | 23.20 | 23.60 | 23.60 | 21.50 | 33.00 | Pass |
| 30KHz | 70MHz  | HCH | DFT-QPSK    | 23.13 | 23.51 | 23.59 | 21.49 | 33.00 | Pass |
| 30KHz | 70MHz  | HCH | DFT-16QAM   | 22.02 | 22.38 | 22.61 | 20.51 | 33.00 | Pass |
| 30KHz | 70MHz  | HCH | DFT-64QAM   | 20.88 | 21.24 | 21.14 | 19.14 | 33.00 | Pass |
| 30KHz | 70MHz  | HCH | DFT-256QAM  | 18.85 | 19.24 | 19.20 | 17.14 | 33.00 | Pass |
| 30KHz | 70MHz  | HCH | CP-QPSK     | 21.64 | 22.01 | 22.11 | 20.01 | 33.00 | Pass |
| 30KHz | 80MHz  | LCH | DFT-Pi2BPSK | 23.26 | 23.34 | 23.17 | 21.24 | 33.00 | Pass |
| 30KHz | 80MHz  | LCH | DFT-QPSK    | 22.98 | 23.20 | 23.20 | 21.10 | 33.00 | Pass |
| 30KHz | 80MHz  | LCH | DFT-16QAM   | 21.85 | 22.02 | 22.21 | 20.11 | 33.00 | Pass |
| 30KHz | 80MHz  | LCH | DFT-64QAM   | 20.64 | 20.82 | 20.76 | 18.72 | 33.00 | Pass |
| 30KHz | 80MHz  | LCH | DFT-256QAM  | 18.65 | 18.87 | 18.79 | 16.77 | 33.00 | Pass |
| 30KHz | 80MHz  | LCH | CP-QPSK     | 21.61 | 21.70 | 21.70 | 19.60 | 33.00 | Pass |
| 30KHz | 80MHz  | MCH | DFT-Pi2BPSK | 23.16 | 23.63 | 23.38 | 21.53 | 33.00 | Pass |
| 30KHz | 80MHz  | MCH | DFT-QPSK    | 22.99 | 23.56 | 23.40 | 21.46 | 33.00 | Pass |
| 30KHz | 80MHz  | MCH | DFT-16QAM   | 21.93 | 22.31 | 22.44 | 20.34 | 33.00 | Pass |
| 30KHz | 80MHz  | MCH | DFT-64QAM   | 20.63 | 21.11 | 20.97 | 19.01 | 33.00 | Pass |
| 30KHz | 80MHz  | MCH | DFT-256QAM  | 18.71 | 19.21 | 19.01 | 17.11 | 33.00 | Pass |
| 30KHz | 80MHz  | MCH | CP-QPSK     | 21.56 | 21.92 | 21.87 | 19.82 | 33.00 | Pass |
| 30KHz | 80MHz  | HCH | DFT-Pi2BPSK | 23.23 | 23.68 | 23.57 | 21.58 | 33.00 | Pass |
| 30KHz | 80MHz  | HCH | DFT-QPSK    | 23.19 | 23.55 | 23.61 | 21.51 | 33.00 | Pass |
| 30KHz | 80MHz  | HCH | DFT-16QAM   | 22.02 | 22.41 | 22.61 | 20.51 | 33.00 | Pass |
| 30KHz | 80MHz  | HCH | DFT-64QAM   | 20.81 | 21.24 | 21.15 | 19.14 | 33.00 | Pass |
| 30KHz | 80MHz  | HCH | DFT-256QAM  | 18.88 | 19.29 | 19.18 | 17.19 | 33.00 | Pass |
| 30KHz | 80MHz  | HCH | CP-QPSK     | 21.63 | 22.01 | 22.05 | 19.95 | 33.00 | Pass |
| 30KHz | 90MHz  | LCH | DFT-Pi2BPSK | 23.27 | 23.27 | 23.17 | 21.17 | 33.00 | Pass |
| 30KHz | 90MHz  | LCH | DFT-QPSK    | 22.99 | 23.16 | 23.21 | 21.11 | 33.00 | Pass |
| 30KHz | 90MHz  | LCH | DFT-16QAM   | 21.72 | 21.97 | 22.26 | 20.16 | 33.00 | Pass |
| 30KHz | 90MHz  | LCH | DFT-64QAM   | 20.65 | 20.78 | 20.84 | 18.74 | 33.00 | Pass |
| 30KHz | 90MHz  | LCH | DFT-256QAM  | 18.70 | 18.83 | 18.83 | 16.73 | 33.00 | Pass |
| 30KHz | 90MHz  | LCH | CP-QPSK     | 21.52 | 21.65 | 21.69 | 19.59 | 33.00 | Pass |
| 30KHz | 90MHz  | MCH | DFT-Pi2BPSK | 23.20 | 23.75 | 23.34 | 21.65 | 33.00 | Pass |
| 30KHz | 90MHz  | MCH | DFT-QPSK    | 23.01 | 23.66 | 23.42 | 21.56 | 33.00 | Pass |
| 30KHz | 90MHz  | MCH | DFT-16QAM   | 21.79 | 22.43 | 22.42 | 20.33 | 33.00 | Pass |
| 30KHz | 90MHz  | MCH | DFT-64QAM   | 20.66 | 21.34 | 20.98 | 19.24 | 33.00 | Pass |
| 30KHz | 90MHz  | MCH | DFT-256QAM  | 18.74 | 19.32 | 19.04 | 17.22 | 33.00 | Pass |
| 30KHz | 90MHz  | MCH | CP-QPSK     | 21.50 | 22.06 | 21.89 | 19.96 | 33.00 | Pass |
| 30KHz | 90MHz  | HCH | DFT-Pi2BPSK | 23.15 | 23.60 | 23.51 | 21.50 | 33.00 | Pass |
| 30KHz | 90MHz  | HCH | DFT-QPSK    | 23.09 | 23.51 | 23.53 | 21.43 | 33.00 | Pass |
| 30KHz | 90MHz  | HCH | DFT-16QAM   | 21.84 | 22.39 | 22.55 | 20.45 | 33.00 | Pass |
| 30KHz | 90MHz  | HCH | DFT-64QAM   | 20.60 | 21.22 | 21.05 | 19.12 | 33.00 | Pass |
| 30KHz | 90MHz  | HCH | DFT-256QAM  | 18.69 | 19.27 | 19.13 | 17.17 | 33.00 | Pass |
| 30KHz | 90MHz  | HCH | CP-QPSK     | 21.46 | 21.93 | 22.04 | 19.94 | 33.00 | Pass |
| 30KHz | 100MHz | LCH | DFT-Pi2BPSK | 23.22 | 23.42 | 23.18 | 21.32 | 33.00 | Pass |
| 30KHz | 100MHz | LCH | DFT-QPSK    | 22.98 | 23.30 | 23.23 | 21.20 | 33.00 | Pass |
| 30KHz | 100MHz | LCH | DFT-16QAM   | 21.69 | 22.12 | 22.29 | 20.19 | 33.00 | Pass |
| 30KHz | 100MHz | LCH | DFT-64QAM   | 20.60 | 20.97 | 20.80 | 18.87 | 33.00 | Pass |
| 30KHz | 100MHz | LCH | DFT-256QAM  | 18.63 | 18.95 | 18.84 | 16.85 | 33.00 | Pass |
| 30KHz | 100MHz | LCH | CP-QPSK     | 21.61 | 21.78 | 21.70 | 19.68 | 33.00 | Pass |
| 30KHz | 100MHz | MCH | DFT-Pi2BPSK | 23.18 | 23.76 | 23.32 | 21.66 | 33.00 | Pass |
| 30KHz | 100MHz | MCH | DFT-QPSK    | 22.99 | 23.68 | 23.40 | 21.58 | 33.00 | Pass |
| 30KHz | 100MHz | MCH | DFT-16QAM   | 21.75 | 22.43 | 22.45 | 20.35 | 33.00 | Pass |
| 30KHz | 100MHz | MCH | DFT-64QAM   | 20.65 | 21.31 | 20.98 | 19.21 | 33.00 | Pass |
| 30KHz | 100MHz | MCH | DFT-256QAM  | 18.70 | 19.33 | 18.99 | 17.23 | 33.00 | Pass |
| 30KHz | 100MHz | MCH | CP-QPSK     | 21.49 | 22.06 | 21.86 | 19.96 | 33.00 | Pass |
| 30KHz | 100MHz | HCH | DFT-Pi2BPSK | 23.12 | 23.61 | 23.46 | 21.51 | 33.00 | Pass |
| 30KHz | 100MHz | HCH | DFT-QPSK    | 23.02 | 23.53 | 23.55 | 21.45 | 33.00 | Pass |
| 30KHz | 100MHz | HCH | DFT-16QAM   | 21.80 | 22.37 | 22.57 | 20.47 | 33.00 | Pass |
| 30KHz | 100MHz | HCH | DFT-64QAM   | 20.61 | 21.26 | 21.11 | 19.16 | 33.00 | Pass |
| 30KHz | 100MHz | HCH | DFT-256QAM  | 18.65 | 19.31 | 19.16 | 17.21 | 33.00 | Pass |

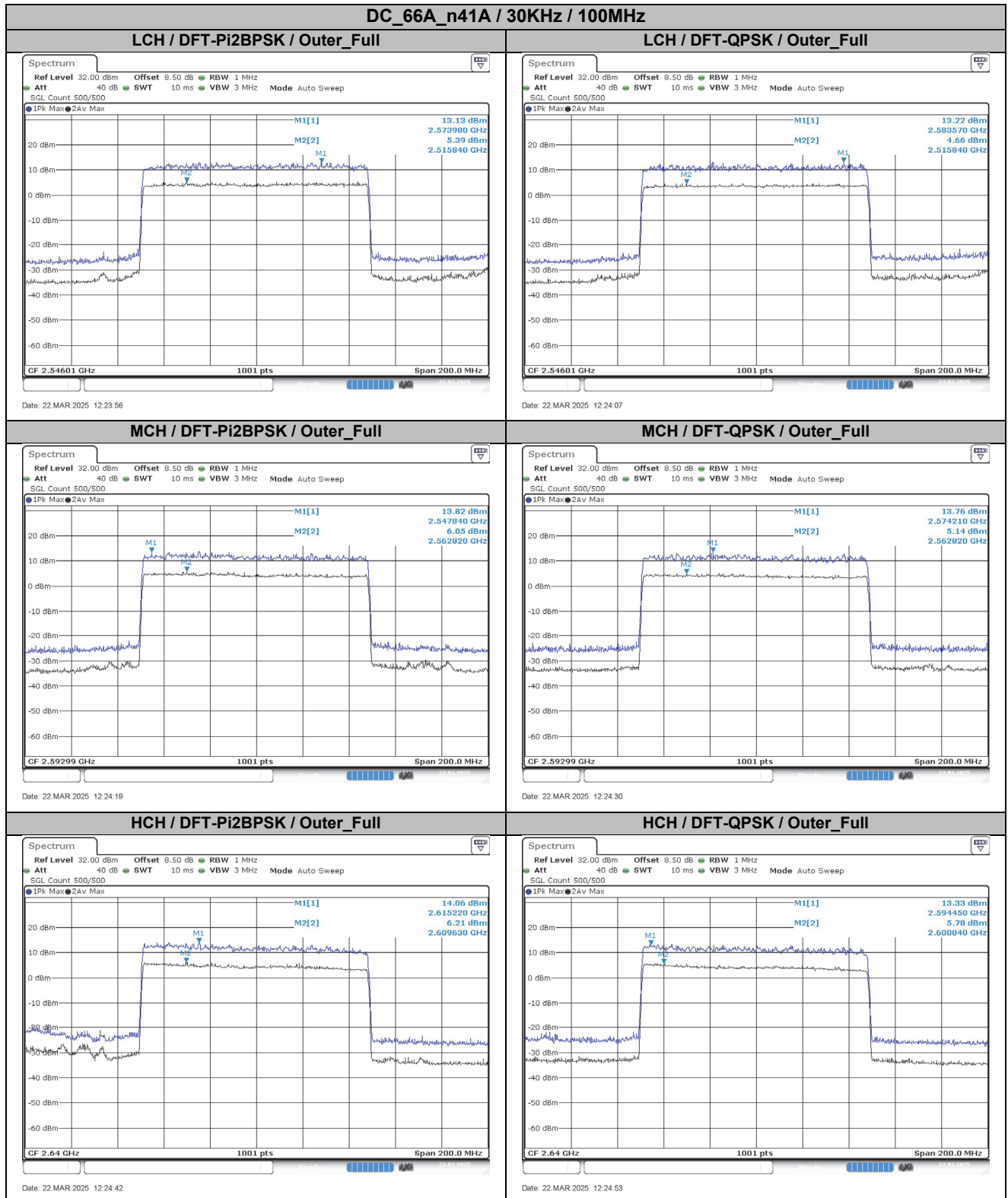
|       |        |     |         |       |       |       |       |       |      |
|-------|--------|-----|---------|-------|-------|-------|-------|-------|------|
| 30KHz | 100MHz | HCH | CP-QPSK | 21.47 | 22.02 | 21.97 | 19.92 | 33.00 | Pass |
|-------|--------|-----|---------|-------|-------|-------|-------|-------|------|

## 2. Peak-to-Average Ratio

### 2.1. Test Results

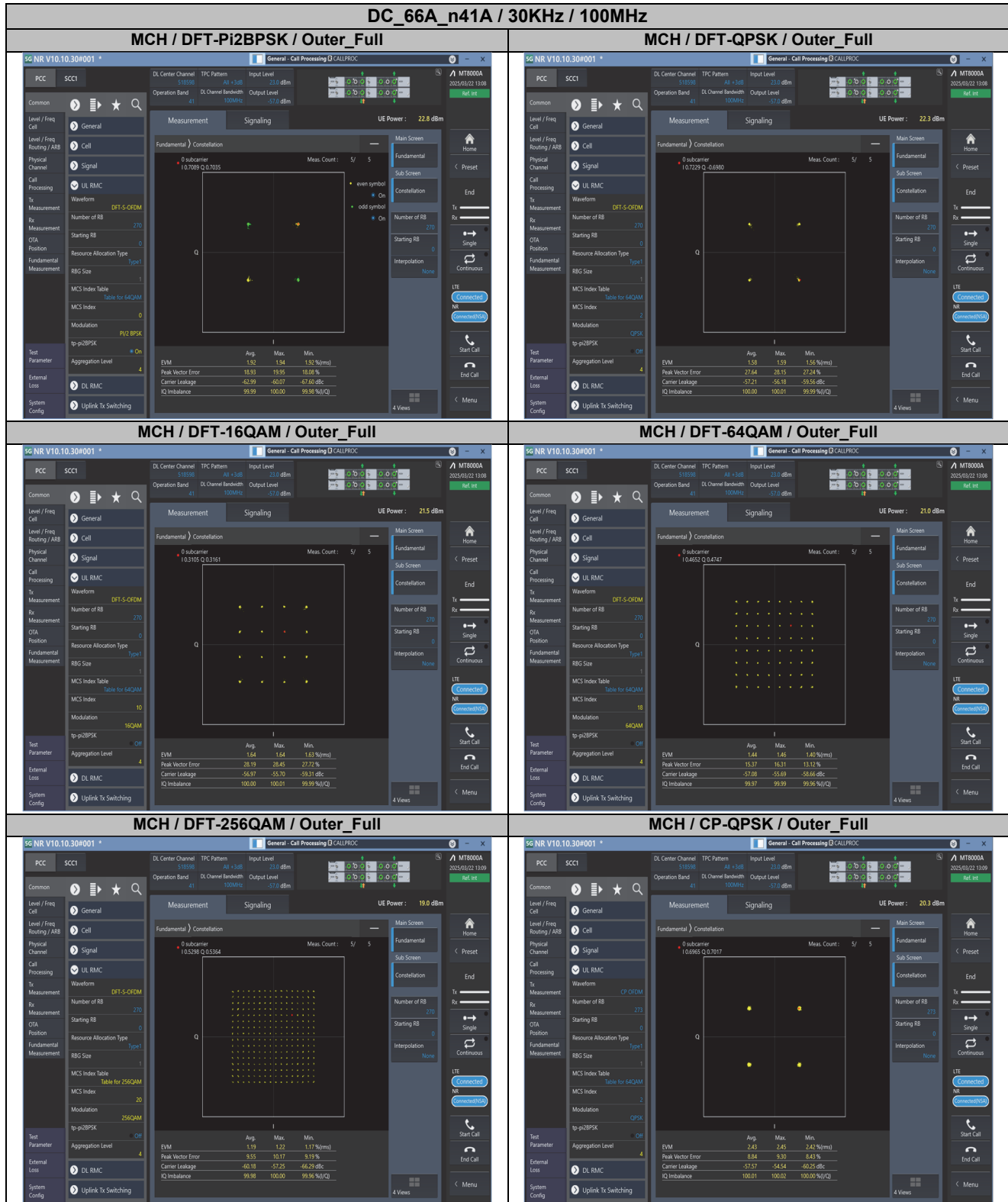
| SCS   | Bandwidth | Channel | RB         | Result (dB) |          | Limit (dB) | Verdict |
|-------|-----------|---------|------------|-------------|----------|------------|---------|
|       |           |         |            | DFT-Pi2BPSK | DFT-QPSK |            |         |
| 30KHz | 100MHz    | LCH     | Outer_Full | 7.74        | 8.56     | 13.00      | Pass    |
| 30KHz | 100MHz    | MCH     | Outer_Full | 7.77        | 8.62     | 13.00      | Pass    |
| 30KHz | 100MHz    | HCH     | Outer_Full | 7.85        | 7.55     | 13.00      | Pass    |

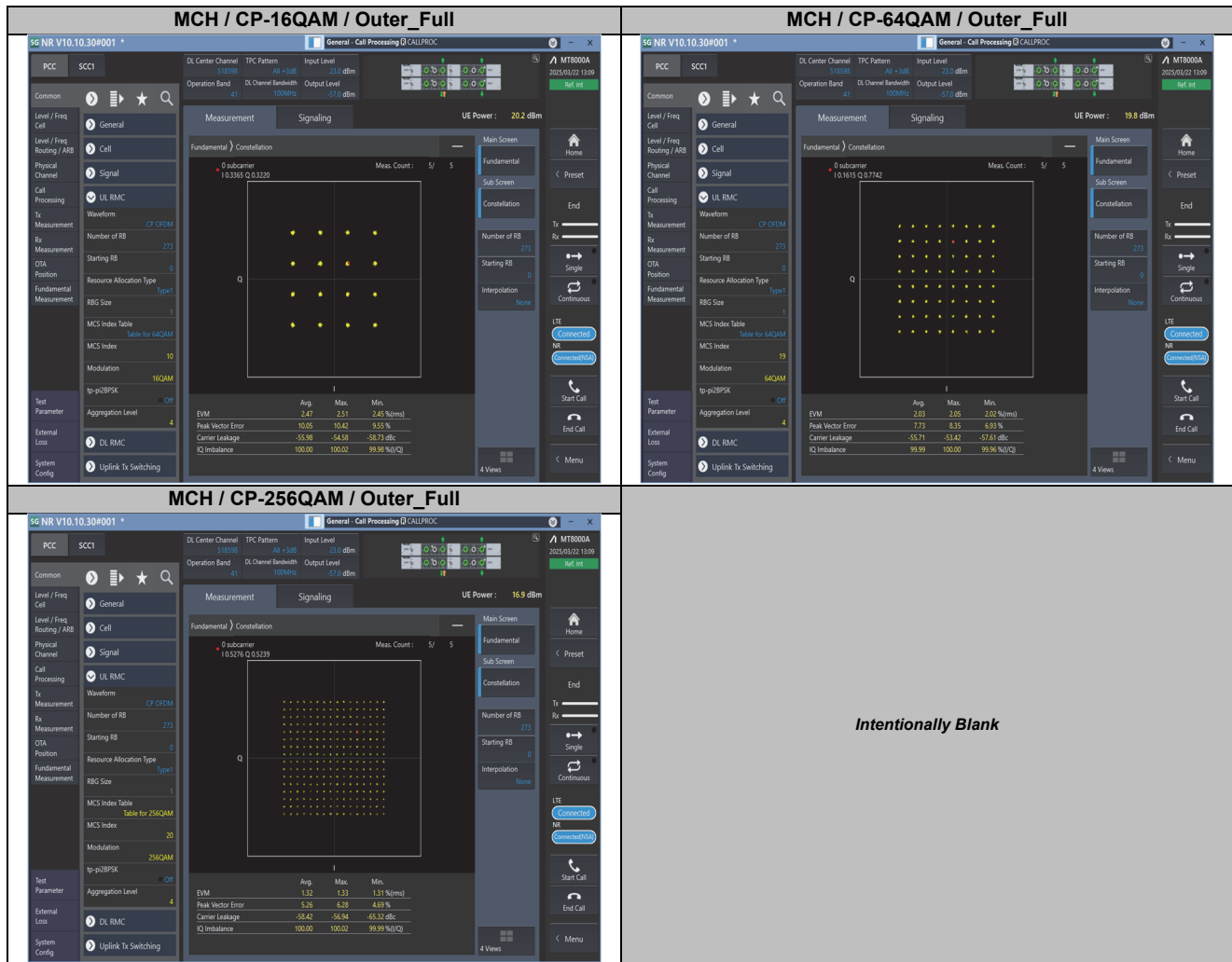
### 2.2. Test Plots for SCS=30KHz



### 3. Modulation Characteristics

#### 3.1. Test Plots for SCS=30KHz





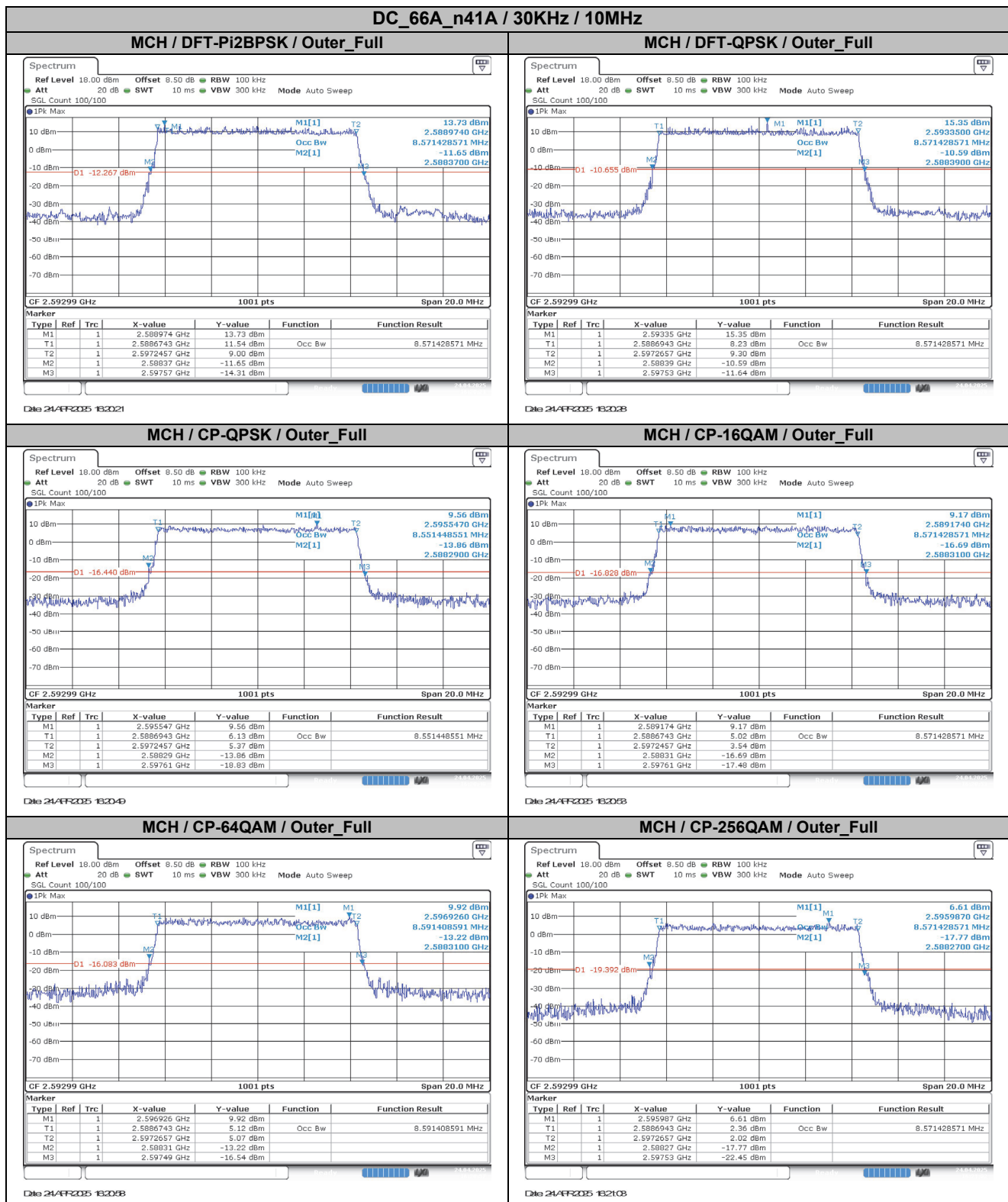
## 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

### 4.1. Test Results

| SCS   | Bandwidth | Modulation  | RB         | 99% Occupied Bandwidth (MHz) | 26dB Emission Bandwidth (MHz) | Verdict |
|-------|-----------|-------------|------------|------------------------------|-------------------------------|---------|
| 30KHz | 10MHz     | DFT-Pi2BPSK | Outer_Full | 8.57                         | 9.20                          | Pass    |
| 30KHz | 10MHz     | DFT-QPSK    | Outer_Full | 8.57                         | 9.14                          | Pass    |
| 30KHz | 10MHz     | CP-QPSK     | Outer_Full | 8.55                         | 9.32                          | Pass    |
| 30KHz | 10MHz     | CP-16QAM    | Outer_Full | 8.57                         | 9.30                          | Pass    |
| 30KHz | 10MHz     | CP-64QAM    | Outer_Full | 8.59                         | 9.18                          | Pass    |
| 30KHz | 10MHz     | CP-256QAM   | Outer_Full | 8.57                         | 9.26                          | Pass    |
| 30KHz | 15MHz     | DFT-Pi2BPSK | Outer_Full | 12.89                        | 13.74                         | Pass    |
| 30KHz | 15MHz     | DFT-QPSK    | Outer_Full | 12.86                        | 13.68                         | Pass    |
| 30KHz | 15MHz     | CP-QPSK     | Outer_Full | 13.58                        | 14.49                         | Pass    |
| 30KHz | 15MHz     | CP-16QAM    | Outer_Full | 13.58                        | 14.46                         | Pass    |
| 30KHz | 15MHz     | CP-64QAM    | Outer_Full | 13.64                        | 14.46                         | Pass    |
| 30KHz | 15MHz     | CP-256QAM   | Outer_Full | 13.58                        | 14.43                         | Pass    |
| 30KHz | 20MHz     | DFT-Pi2BPSK | Outer_Full | 17.78                        | 18.64                         | Pass    |
| 30KHz | 20MHz     | DFT-QPSK    | Outer_Full | 17.82                        | 18.68                         | Pass    |
| 30KHz | 20MHz     | CP-QPSK     | Outer_Full | 18.22                        | 19.20                         | Pass    |
| 30KHz | 20MHz     | CP-16QAM    | Outer_Full | 18.18                        | 19.12                         | Pass    |
| 30KHz | 20MHz     | CP-64QAM    | Outer_Full | 18.18                        | 19.04                         | Pass    |
| 30KHz | 20MHz     | CP-256QAM   | Outer_Full | 18.22                        | 19.04                         | Pass    |
| 30KHz | 25MHz     | DFT-Pi2BPSK | Outer_Full | 22.88                        | 23.95                         | Pass    |
| 30KHz | 25MHz     | DFT-QPSK    | Outer_Full | 22.88                        | 23.95                         | Pass    |
| 30KHz | 25MHz     | CP-QPSK     | Outer_Full | 23.23                        | 24.45                         | Pass    |
| 30KHz | 25MHz     | CP-16QAM    | Outer_Full | 23.23                        | 24.35                         | Pass    |

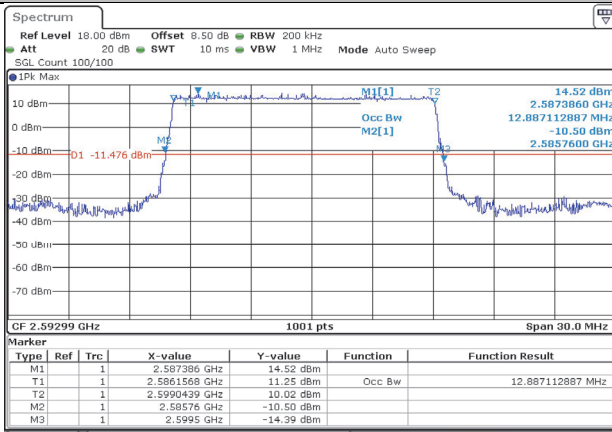
|       |        |             |            |       |        |      |
|-------|--------|-------------|------------|-------|--------|------|
| 30KHz | 25MHz  | CP-64QAM    | Outer_Full | 23.18 | 24.25  | Pass |
| 30KHz | 25MHz  | CP-256QAM   | Outer_Full | 23.23 | 24.40  | Pass |
| 30KHz | 30MHz  | DFT-Pi2BPSK | Outer_Full | 26.73 | 28.26  | Pass |
| 30KHz | 30MHz  | DFT-QPSK    | Outer_Full | 26.73 | 28.20  | Pass |
| 30KHz | 30MHz  | CP-QPSK     | Outer_Full | 27.75 | 29.28  | Pass |
| 30KHz | 30MHz  | CP-16QAM    | Outer_Full | 27.81 | 29.34  | Pass |
| 30KHz | 30MHz  | CP-64QAM    | Outer_Full | 27.75 | 29.22  | Pass |
| 30KHz | 30MHz  | CP-256QAM   | Outer_Full | 27.81 | 29.28  | Pass |
| 30KHz | 35MHz  | DFT-Pi2BPSK | Outer_Full | 32.17 | 34.02  | Pass |
| 30KHz | 35MHz  | DFT-QPSK    | Outer_Full | 32.17 | 33.88  | Pass |
| 30KHz | 35MHz  | CP-QPSK     | Outer_Full | 32.87 | 34.58  | Pass |
| 30KHz | 35MHz  | CP-16QAM    | Outer_Full | 32.87 | 34.65  | Pass |
| 30KHz | 35MHz  | CP-64QAM    | Outer_Full | 32.87 | 34.58  | Pass |
| 30KHz | 35MHz  | CP-256QAM   | Outer_Full | 32.87 | 34.65  | Pass |
| 30KHz | 40MHz  | DFT-Pi2BPSK | Outer_Full | 35.80 | 37.52  | Pass |
| 30KHz | 40MHz  | DFT-QPSK    | Outer_Full | 35.80 | 37.60  | Pass |
| 30KHz | 40MHz  | CP-QPSK     | Outer_Full | 37.80 | 39.68  | Pass |
| 30KHz | 40MHz  | CP-16QAM    | Outer_Full | 37.72 | 39.84  | Pass |
| 30KHz | 40MHz  | CP-64QAM    | Outer_Full | 37.80 | 39.52  | Pass |
| 30KHz | 40MHz  | CP-256QAM   | Outer_Full | 37.72 | 39.52  | Pass |
| 30KHz | 45MHz  | DFT-Pi2BPSK | Outer_Full | 38.57 | 40.59  | Pass |
| 30KHz | 45MHz  | DFT-QPSK    | Outer_Full | 38.66 | 40.41  | Pass |
| 30KHz | 45MHz  | CP-QPSK     | Outer_Full | 42.44 | 44.46  | Pass |
| 30KHz | 45MHz  | CP-16QAM    | Outer_Full | 42.53 | 44.37  | Pass |
| 30KHz | 45MHz  | CP-64QAM    | Outer_Full | 42.44 | 44.19  | Pass |
| 30KHz | 45MHz  | CP-256QAM   | Outer_Full | 42.35 | 44.28  | Pass |
| 30KHz | 50MHz  | DFT-Pi2BPSK | Outer_Full | 45.65 | 47.50  | Pass |
| 30KHz | 50MHz  | DFT-QPSK    | Outer_Full | 45.65 | 47.60  | Pass |
| 30KHz | 50MHz  | CP-QPSK     | Outer_Full | 47.45 | 49.40  | Pass |
| 30KHz | 50MHz  | CP-16QAM    | Outer_Full | 47.35 | 49.30  | Pass |
| 30KHz | 50MHz  | CP-64QAM    | Outer_Full | 47.55 | 49.40  | Pass |
| 30KHz | 50MHz  | CP-256QAM   | Outer_Full | 47.35 | 49.30  | Pass |
| 30KHz | 60MHz  | DFT-Pi2BPSK | Outer_Full | 57.90 | 60.60  | Pass |
| 30KHz | 60MHz  | DFT-QPSK    | Outer_Full | 57.90 | 60.84  | Pass |
| 30KHz | 60MHz  | CP-QPSK     | Outer_Full | 57.66 | 60.60  | Pass |
| 30KHz | 60MHz  | CP-16QAM    | Outer_Full | 57.78 | 60.48  | Pass |
| 30KHz | 60MHz  | CP-64QAM    | Outer_Full | 57.90 | 60.60  | Pass |
| 30KHz | 60MHz  | CP-256QAM   | Outer_Full | 57.66 | 60.60  | Pass |
| 30KHz | 70MHz  | DFT-Pi2BPSK | Outer_Full | 64.34 | 67.34  | Pass |
| 30KHz | 70MHz  | DFT-QPSK    | Outer_Full | 64.34 | 67.20  | Pass |
| 30KHz | 70MHz  | CP-QPSK     | Outer_Full | 67.55 | 70.56  | Pass |
| 30KHz | 70MHz  | CP-16QAM    | Outer_Full | 67.41 | 70.28  | Pass |
| 30KHz | 70MHz  | CP-64QAM    | Outer_Full | 67.41 | 70.42  | Pass |
| 30KHz | 70MHz  | CP-256QAM   | Outer_Full | 67.27 | 70.28  | Pass |
| 30KHz | 80MHz  | DFT-Pi2BPSK | Outer_Full | 77.04 | 80.16  | Pass |
| 30KHz | 80MHz  | DFT-QPSK    | Outer_Full | 77.04 | 80.16  | Pass |
| 30KHz | 80MHz  | CP-QPSK     | Outer_Full | 77.36 | 80.48  | Pass |
| 30KHz | 80MHz  | CP-16QAM    | Outer_Full | 77.36 | 80.48  | Pass |
| 30KHz | 80MHz  | CP-64QAM    | Outer_Full | 77.36 | 80.48  | Pass |
| 30KHz | 80MHz  | CP-256QAM   | Outer_Full | 77.36 | 80.48  | Pass |
| 30KHz | 90MHz  | DFT-Pi2BPSK | Outer_Full | 86.67 | 89.82  | Pass |
| 30KHz | 90MHz  | DFT-QPSK    | Outer_Full | 86.85 | 90.00  | Pass |
| 30KHz | 90MHz  | CP-QPSK     | Outer_Full | 87.39 | 90.54  | Pass |
| 30KHz | 90MHz  | CP-16QAM    | Outer_Full | 87.21 | 90.54  | Pass |
| 30KHz | 90MHz  | CP-64QAM    | Outer_Full | 87.39 | 90.54  | Pass |
| 30KHz | 90MHz  | CP-256QAM   | Outer_Full | 87.39 | 90.54  | Pass |
| 30KHz | 100MHz | DFT-Pi2BPSK | Outer_Full | 96.30 | 99.80  | Pass |
| 30KHz | 100MHz | DFT-QPSK    | Outer_Full | 96.30 | 99.60  | Pass |
| 30KHz | 100MHz | CP-QPSK     | Outer_Full | 97.30 | 100.60 | Pass |
| 30KHz | 100MHz | CP-16QAM    | Outer_Full | 97.10 | 100.80 | Pass |
| 30KHz | 100MHz | CP-64QAM    | Outer_Full | 97.30 | 100.60 | Pass |
| 30KHz | 100MHz | CP-256QAM   | Outer_Full | 97.50 | 100.60 | Pass |

## 4.2. Test Plots for SCS=30KHz



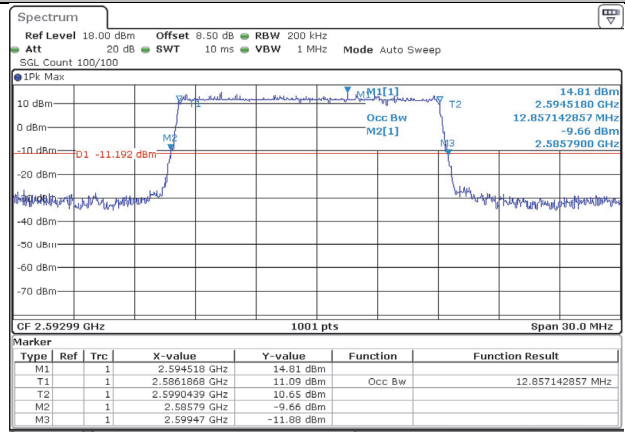
## DC\_66A\_n41A / 30KHz / 15MHz

## MCH / DFT-Pi2BPSK / Outer\_Full



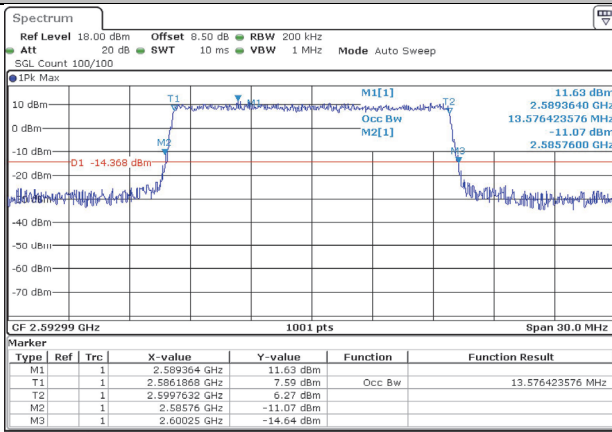
Date 24/FEB/2015 13:21:12

## MCH / DFT-QPSK / Outer\_Full



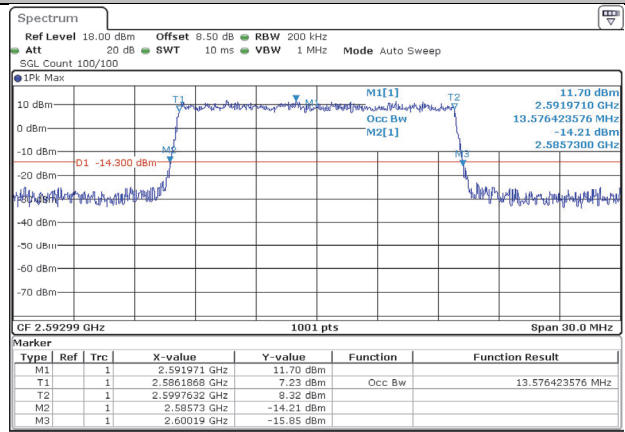
Date 24/FEB/2015 13:21:20

## MCH / CP-QPSK / Outer\_Full



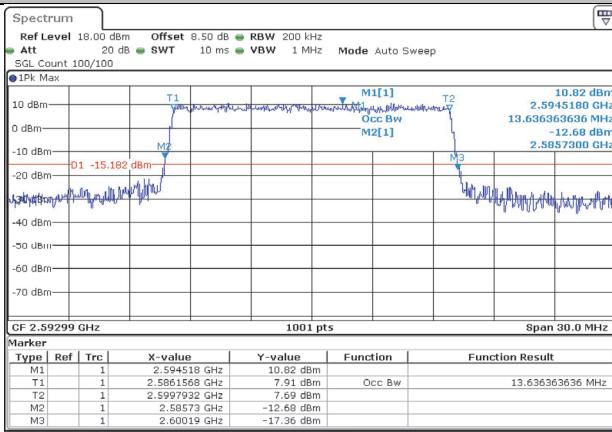
Date 24/FEB/2015 13:21:41

## MCH / CP-16QAM / Outer\_Full



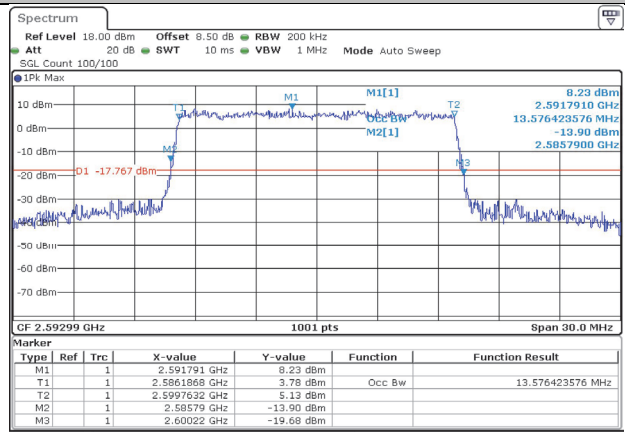
Date 24/FEB/2015 13:21:46

## MCH / CP-64QAM / Outer\_Full



Date 24/FEB/2015 13:21:51

## MCH / CP-256QAM / Outer\_Full



Date 24/FEB/2015 13:21:56