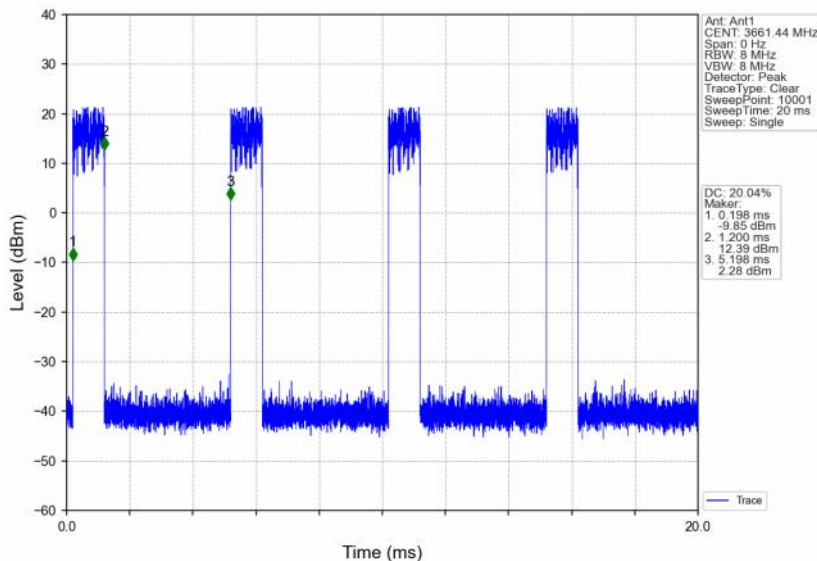
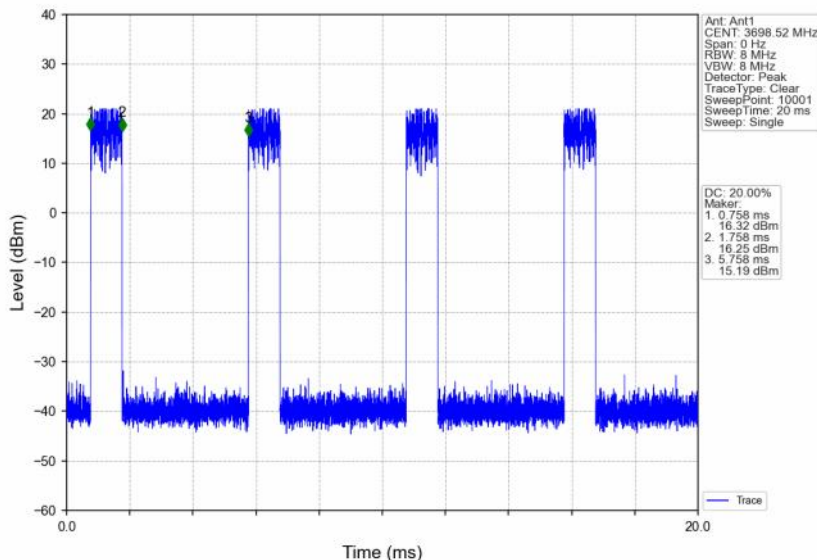


n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 16 QAM\_3679.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 16 QAM\_3679.98MHz\_Inner\_1RB\_Right

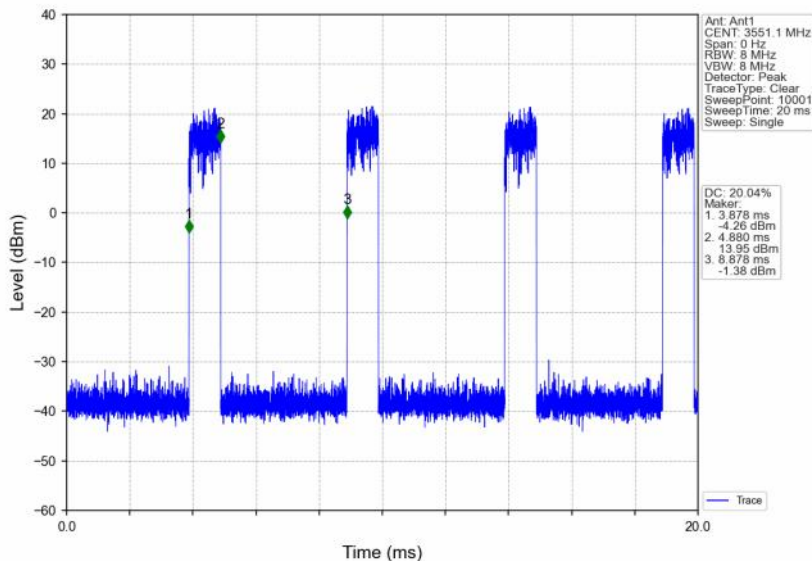


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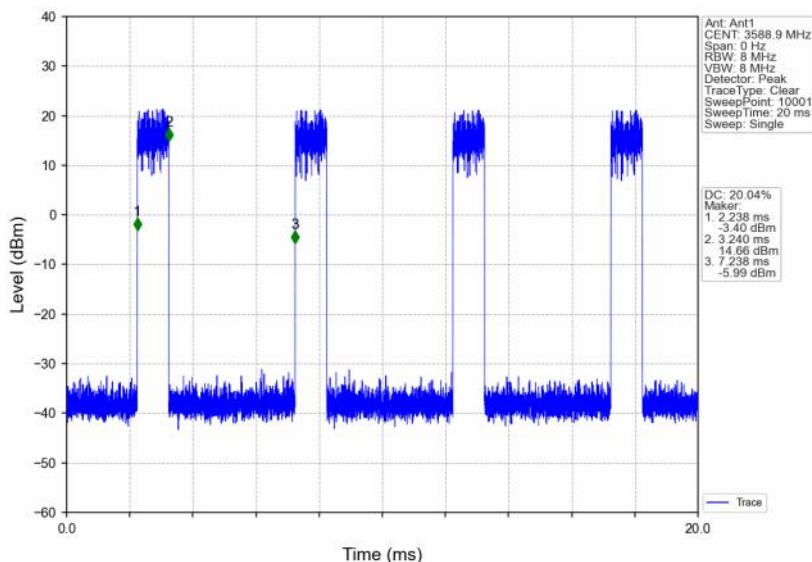
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3570MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3570MHz\_Edge\_1RB\_Right

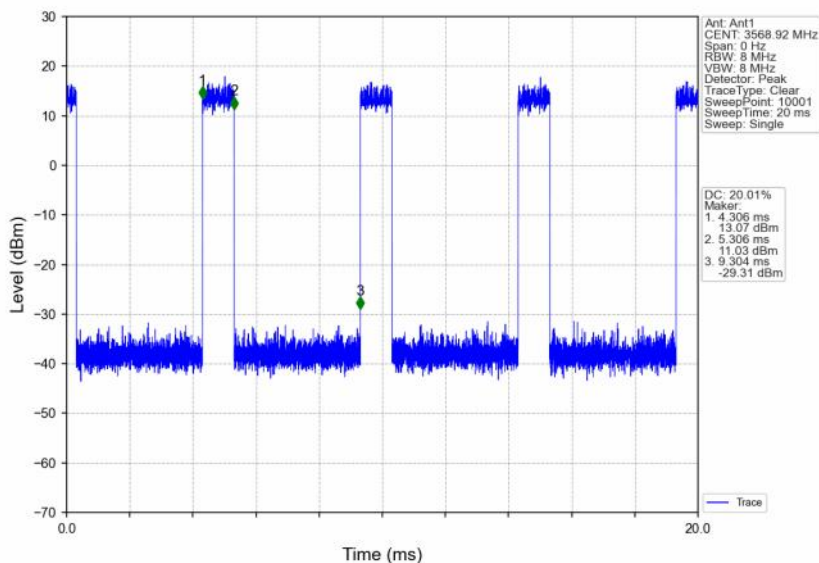


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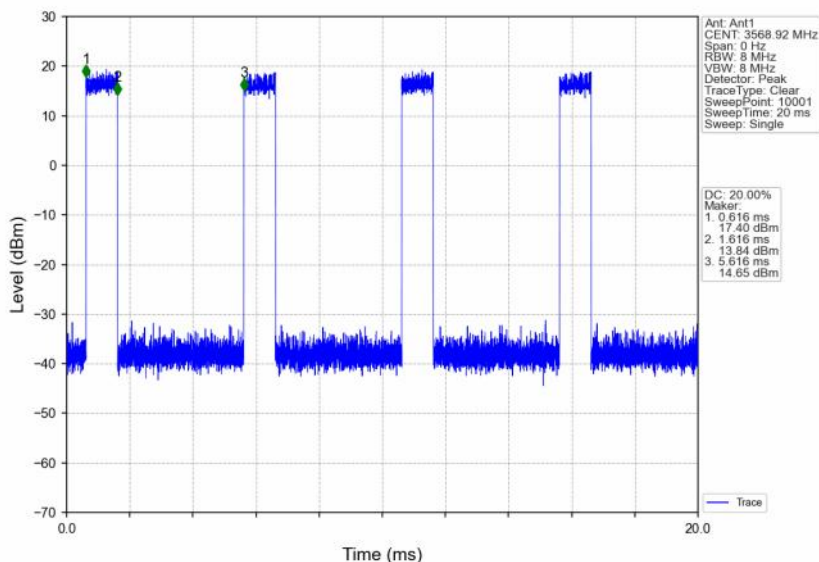
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3570MHz\_Outer\_Full



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

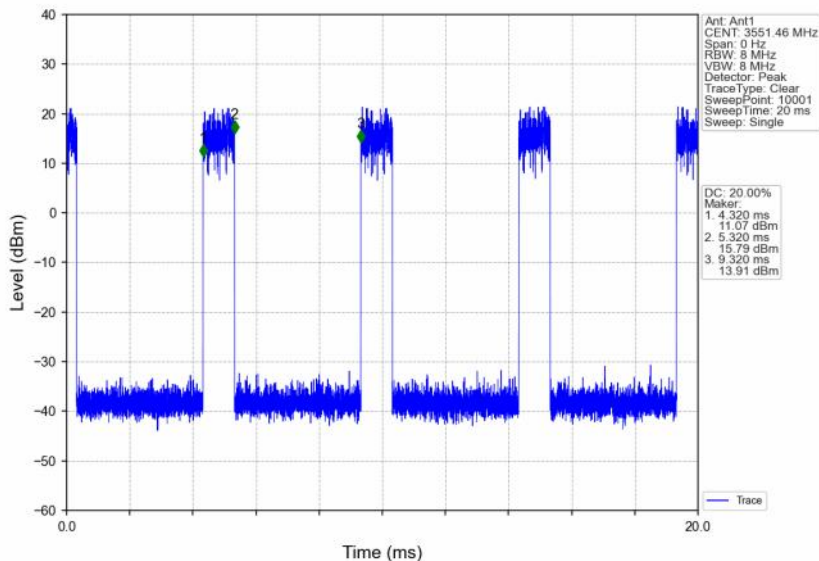


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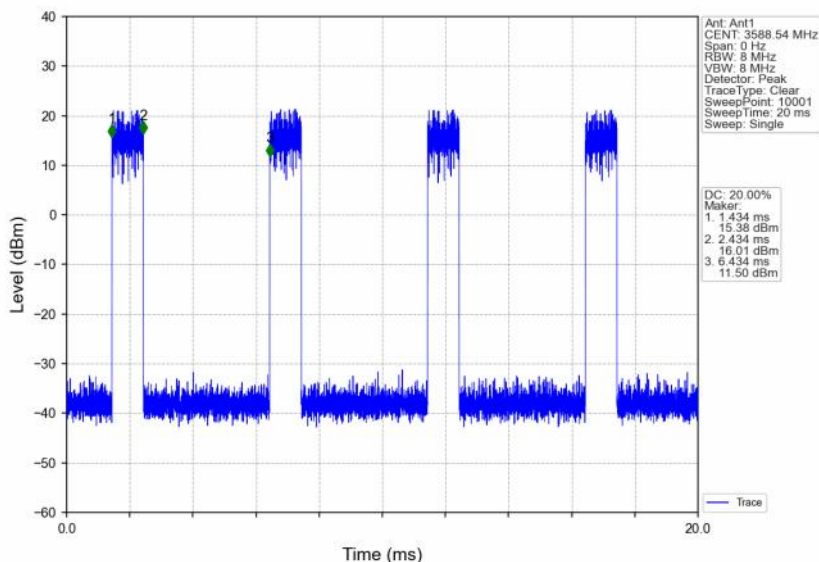
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3570MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3570MHz\_Inner\_1RB\_Right



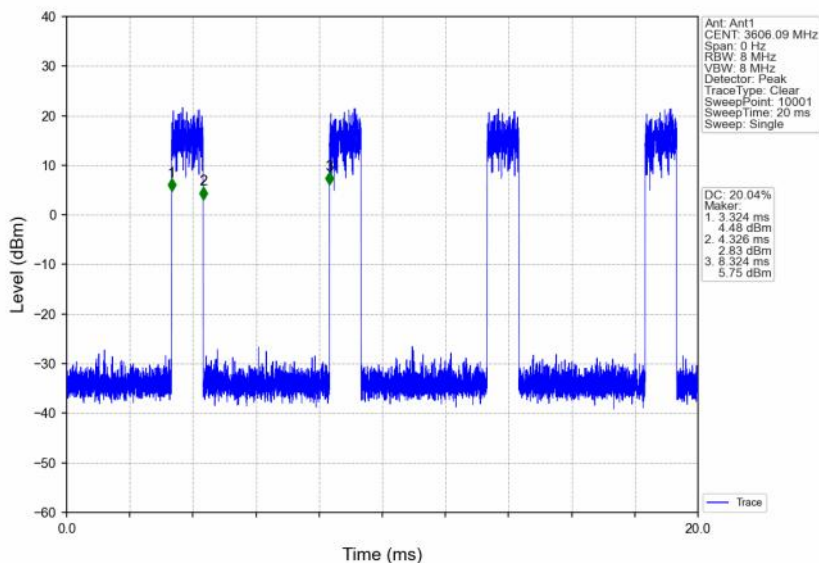
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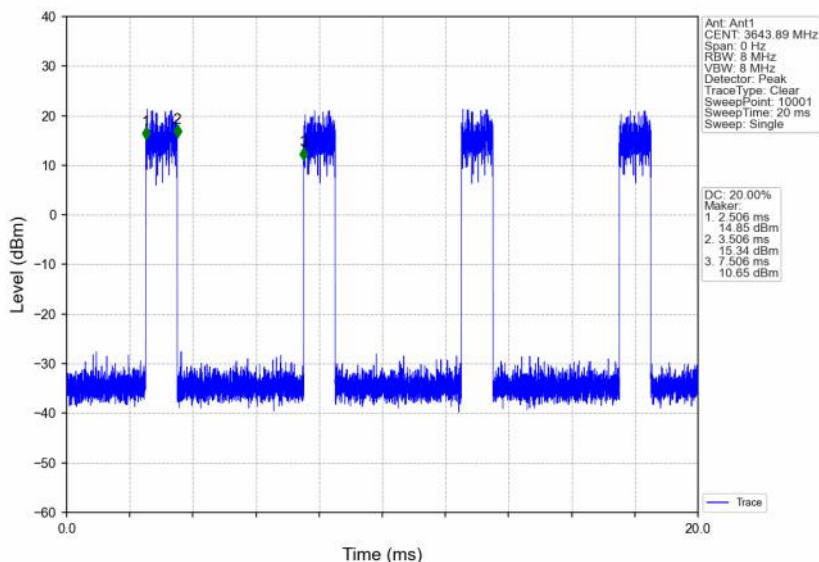
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Right

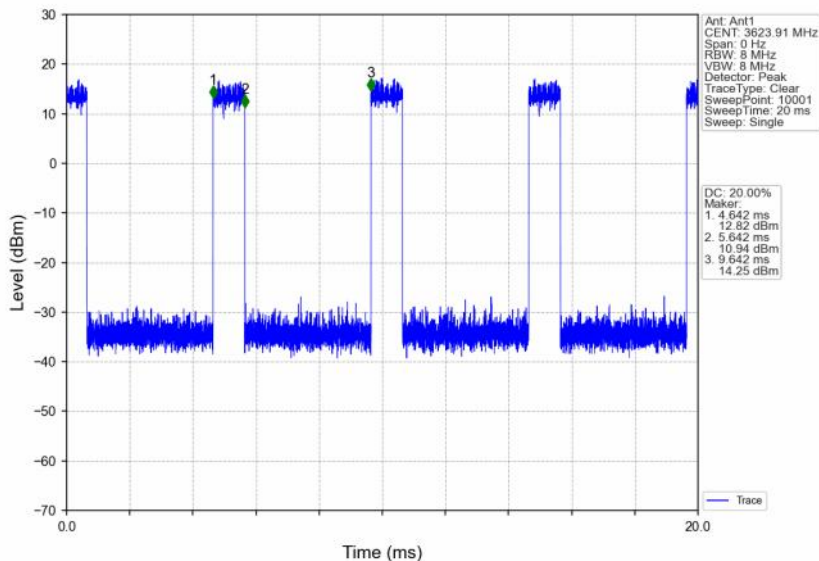


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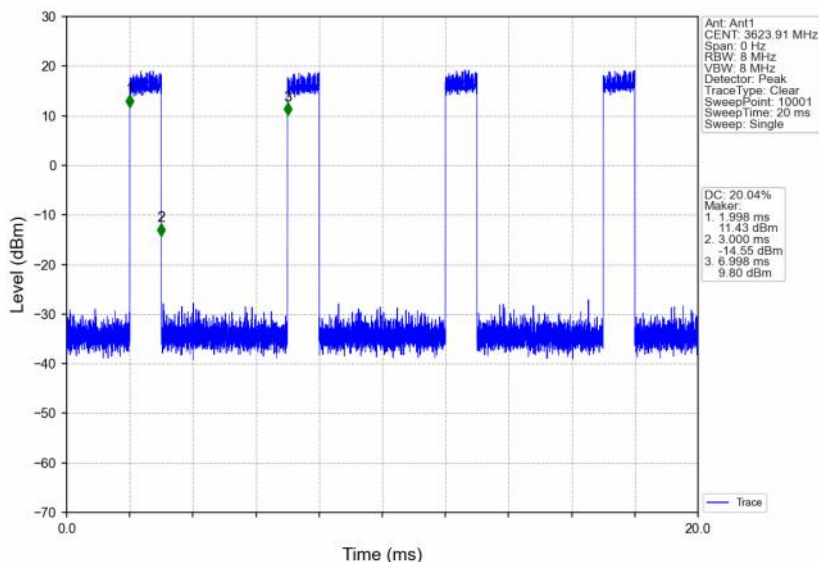
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Inner\_Full

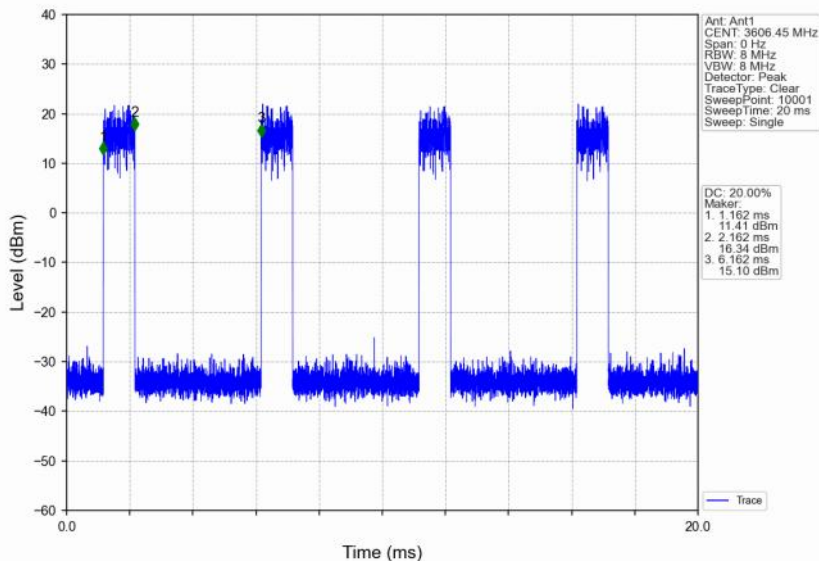


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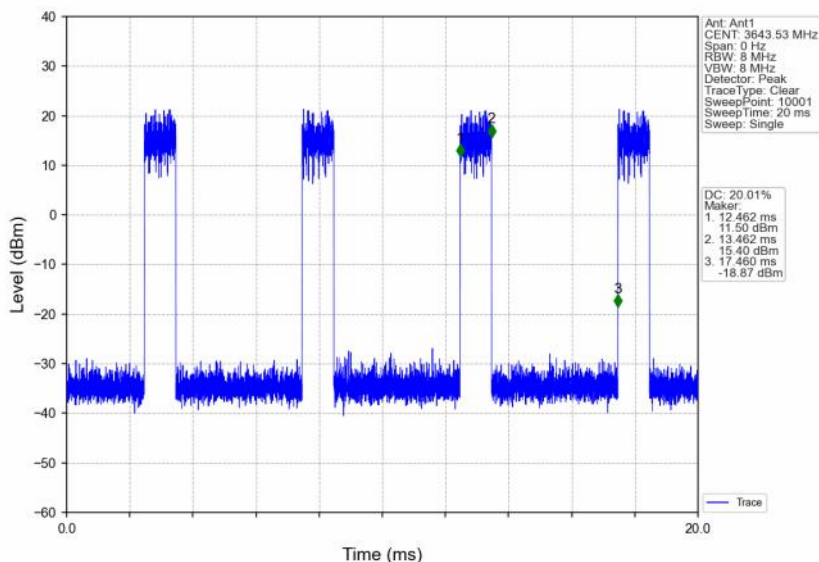
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Inner\_1RB\_Right

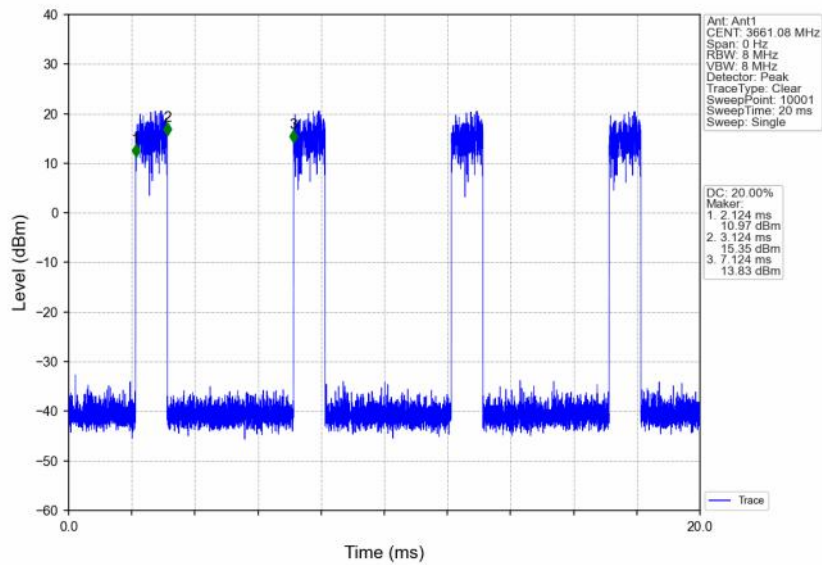


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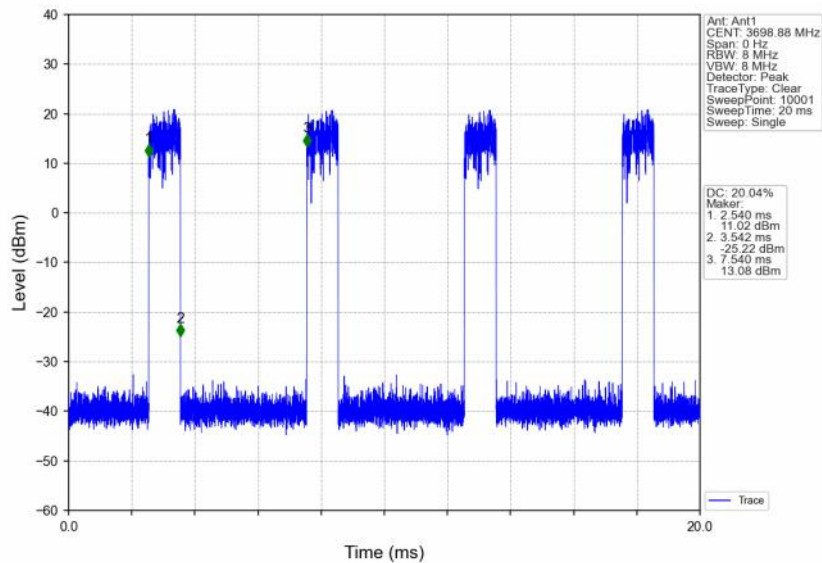
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3679.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3679.98MHz\_Edge\_1RB\_Right



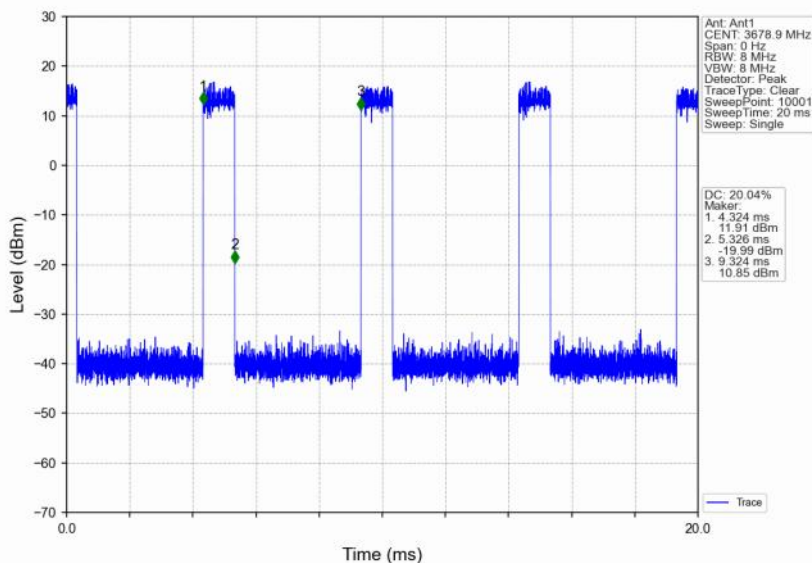
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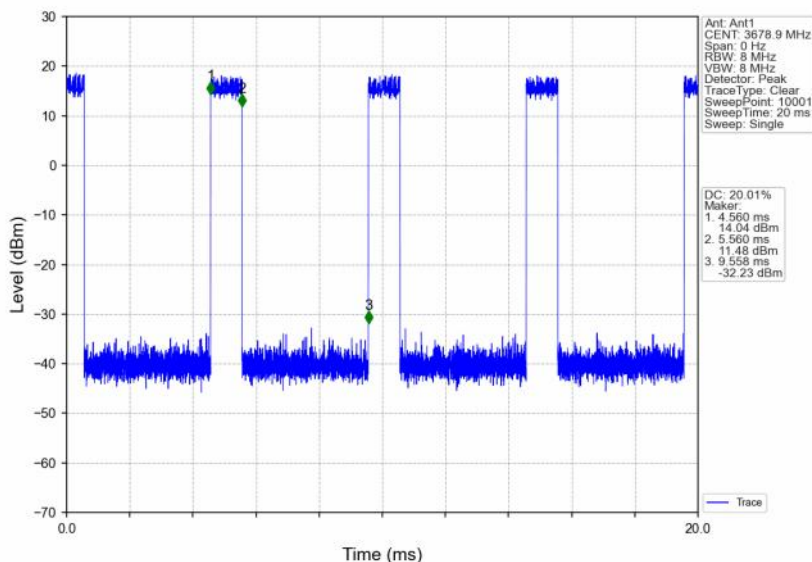
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3679.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3679.98MHz\_Inner\_Full

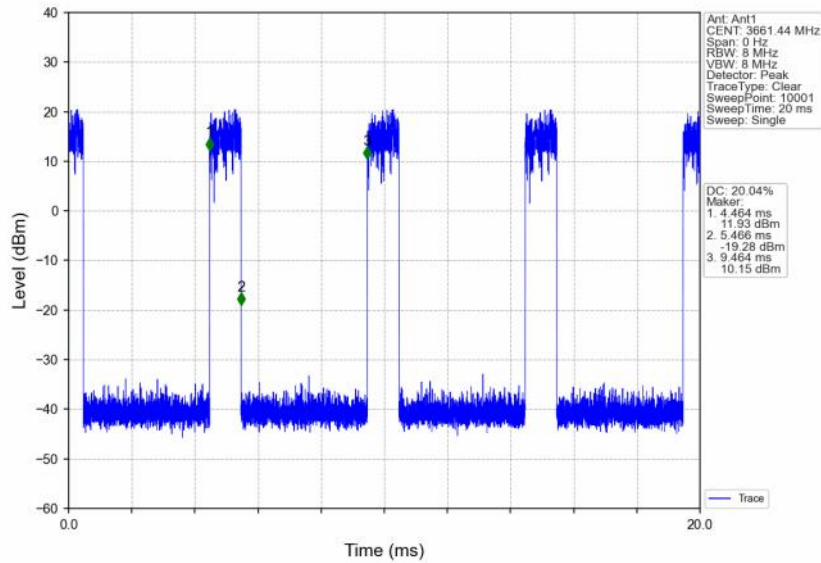


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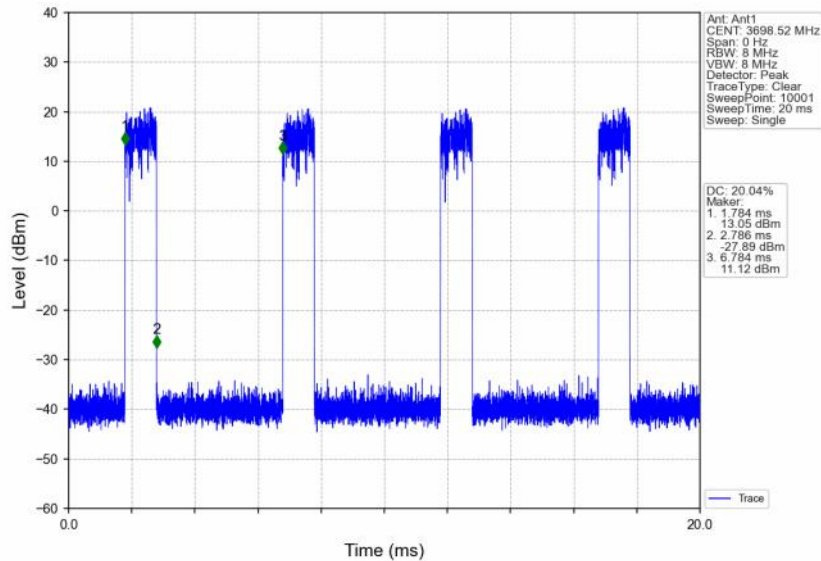
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3679.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3679.98MHz\_Inner\_1RB\_Right

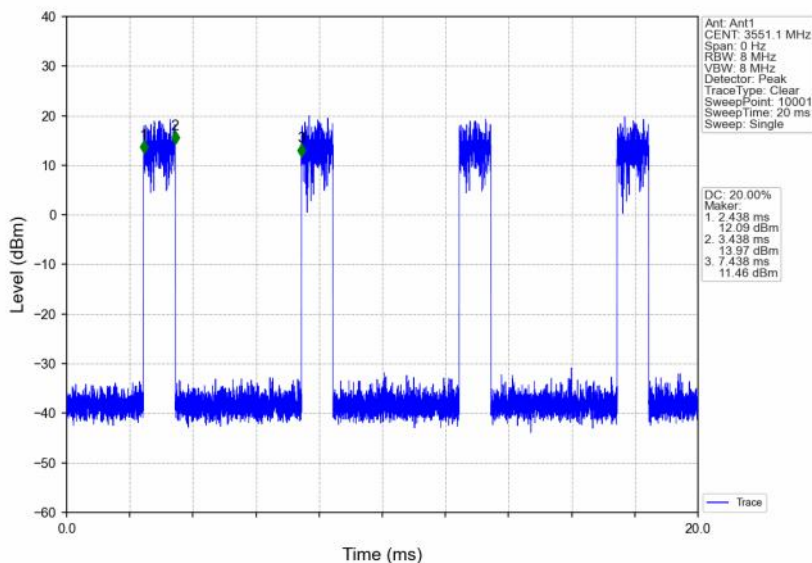


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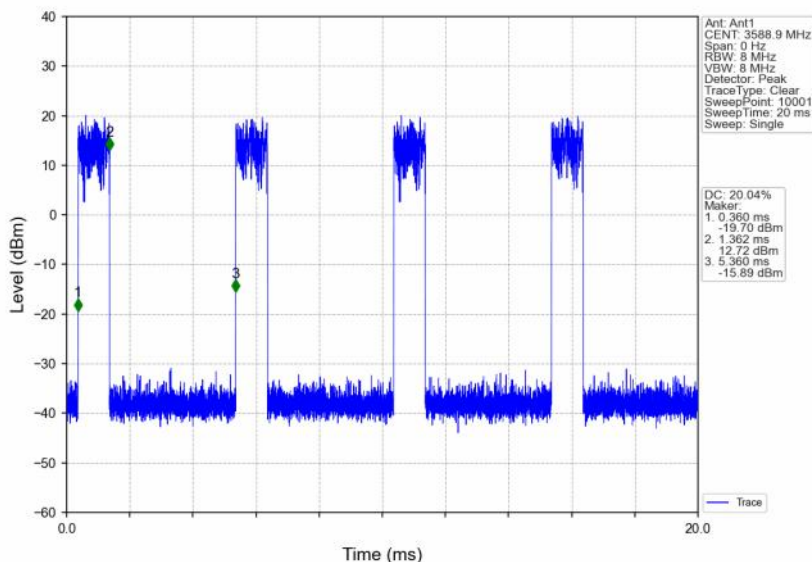
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_256\_QAM\_3570MHz\_Edge\_1RB\_Left



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

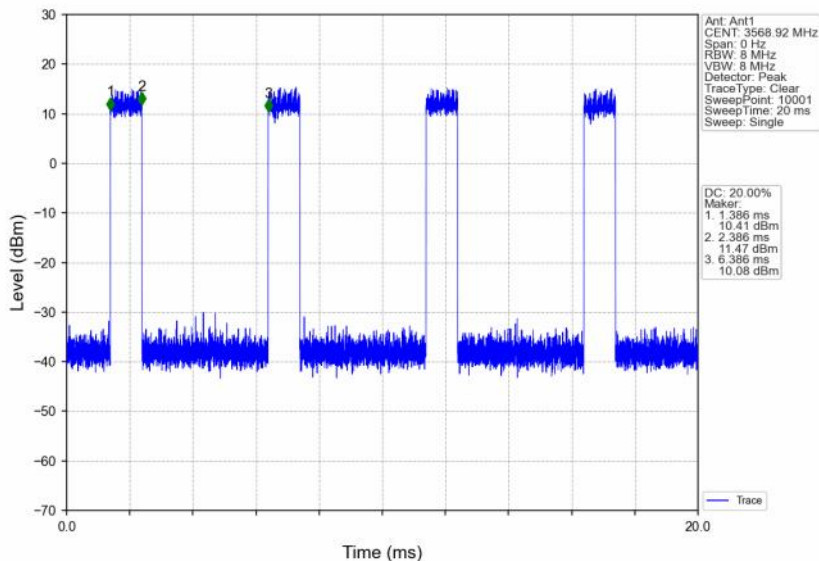


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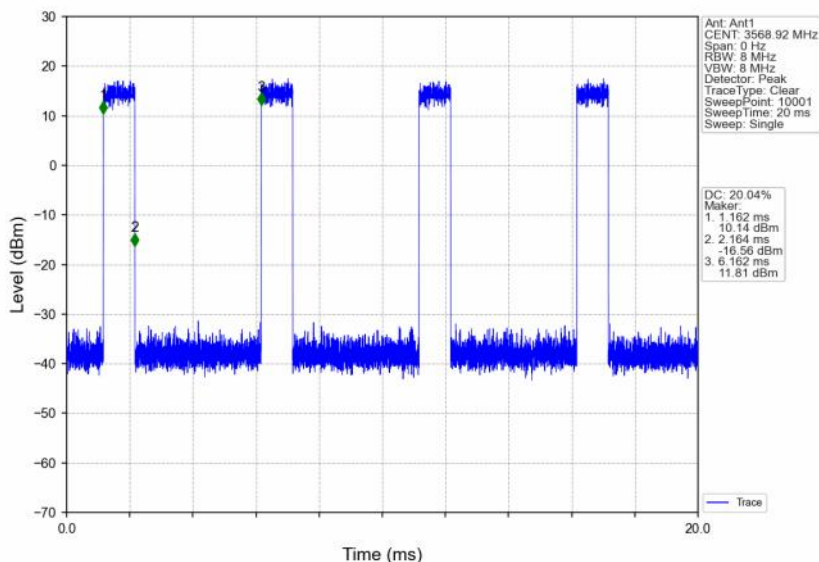
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3570MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3570MHz\_Inner\_Full



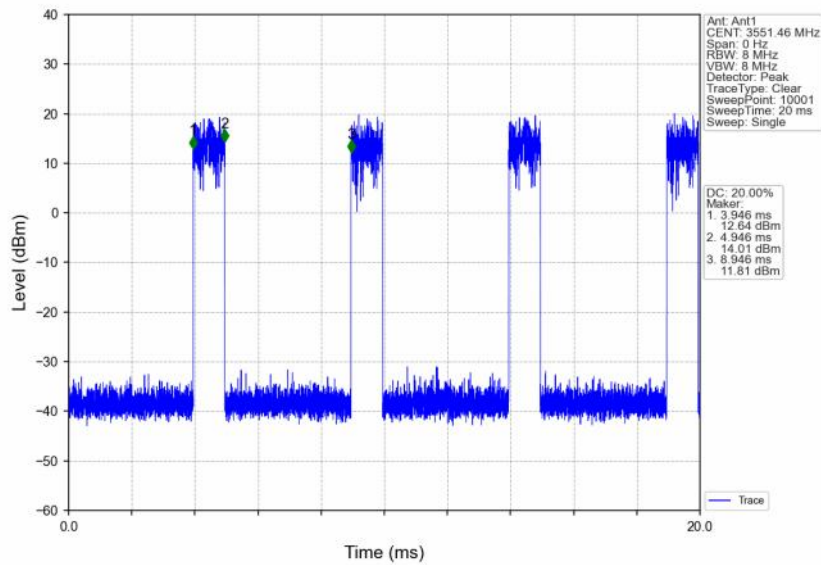
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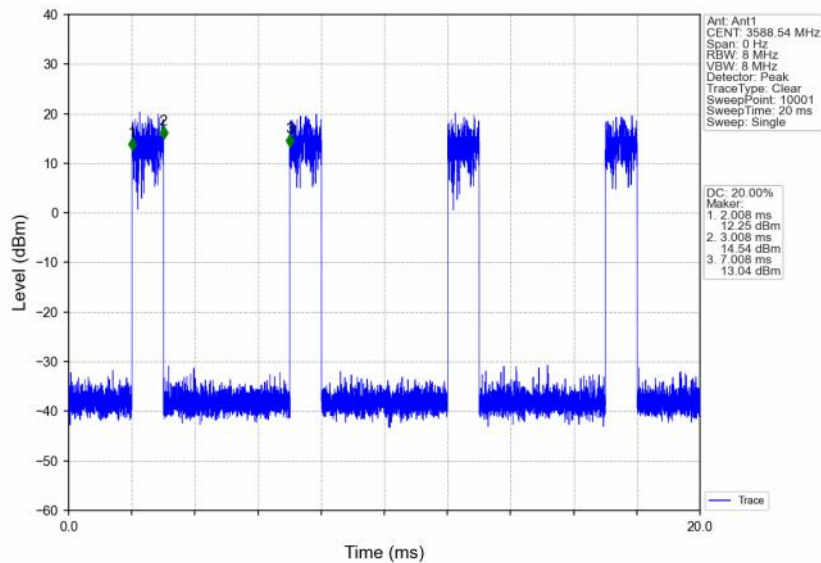
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3570MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3570MHz\_Inner\_1RB\_Right

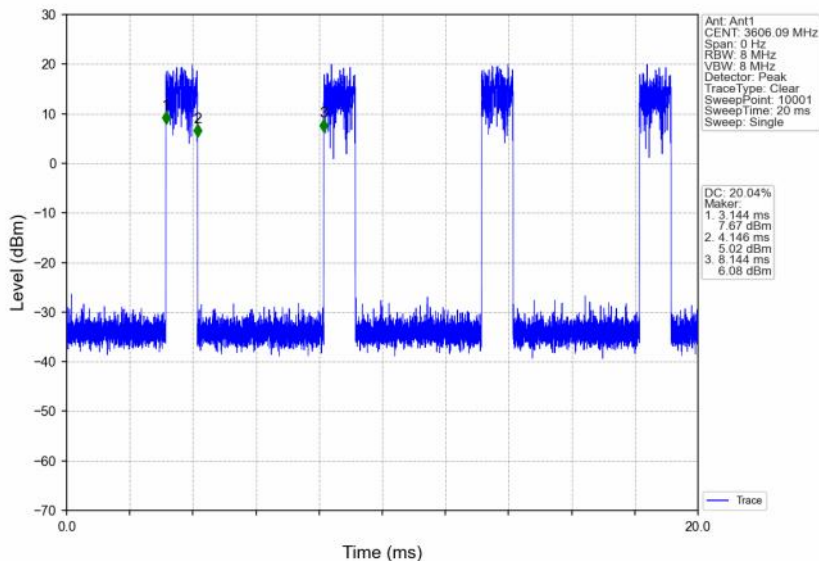


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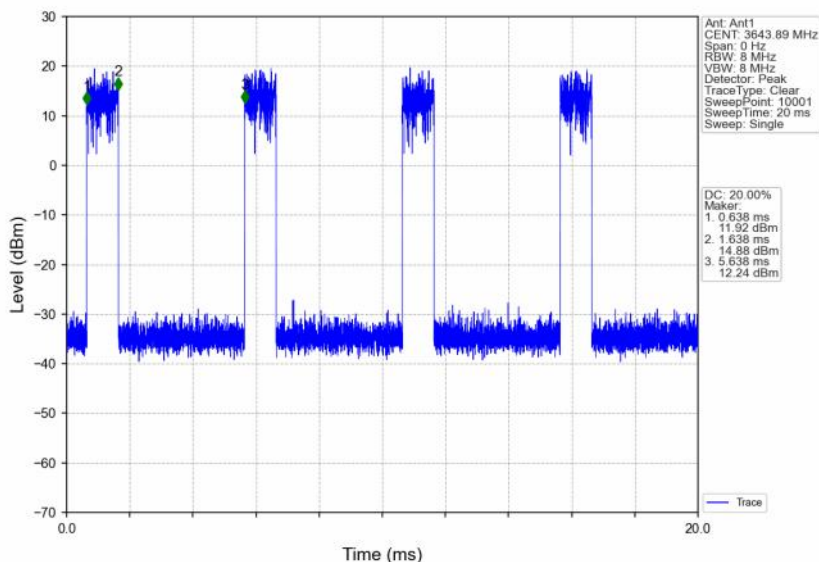
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Edge\_1RB\_Left



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

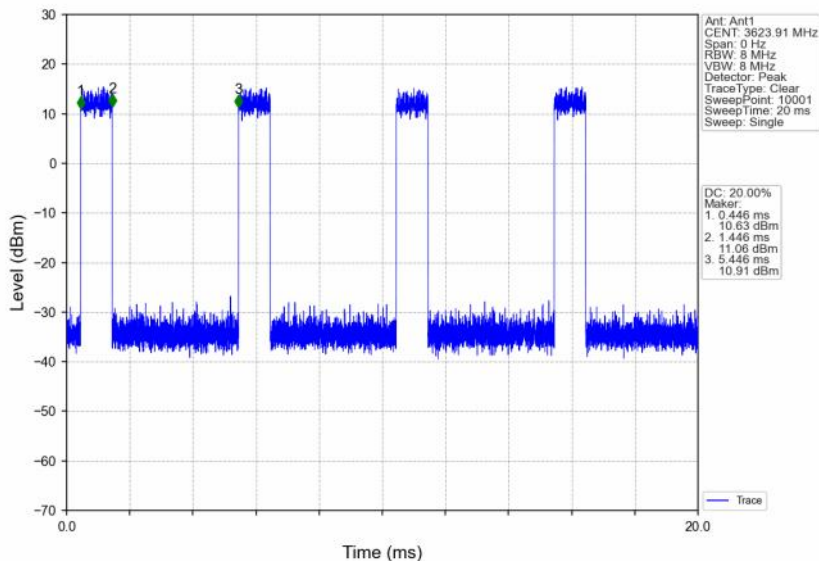


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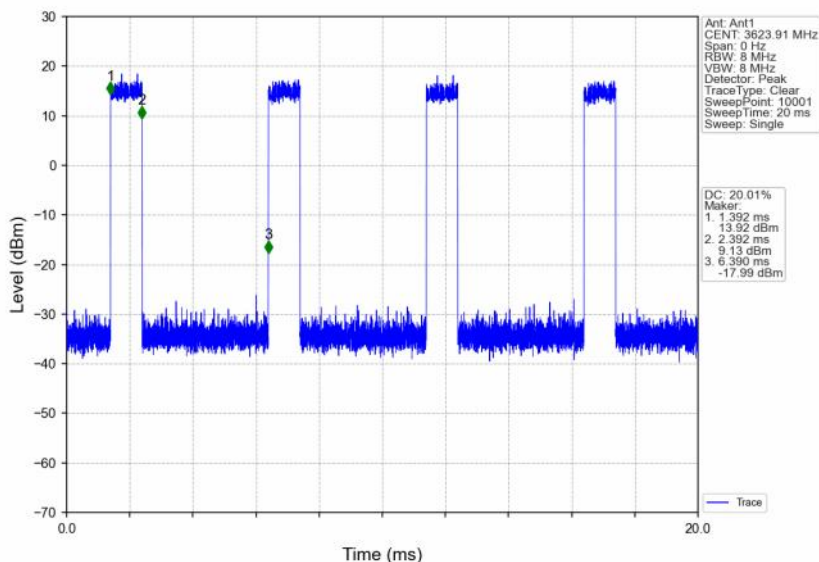
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Inner\_Full

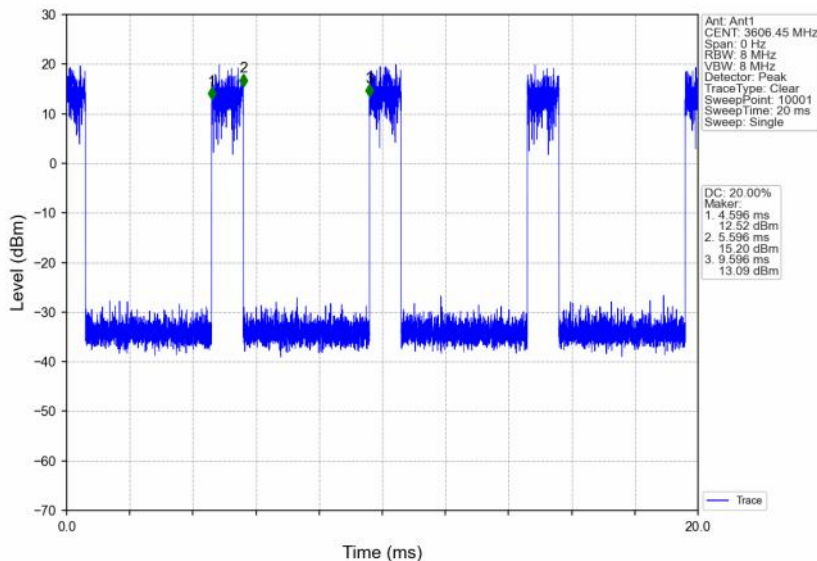


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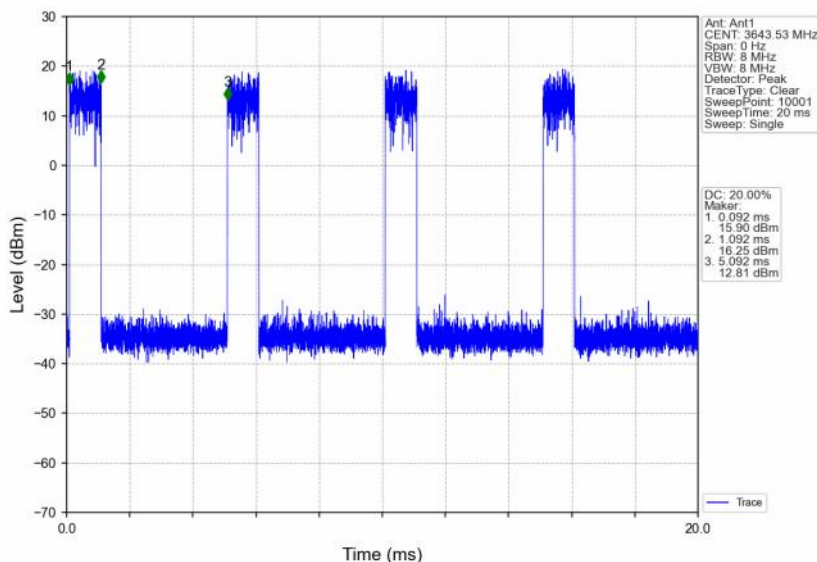
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_256\_QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_256\_QAM\_3624.99MHz\_Inner\_1RB\_Right



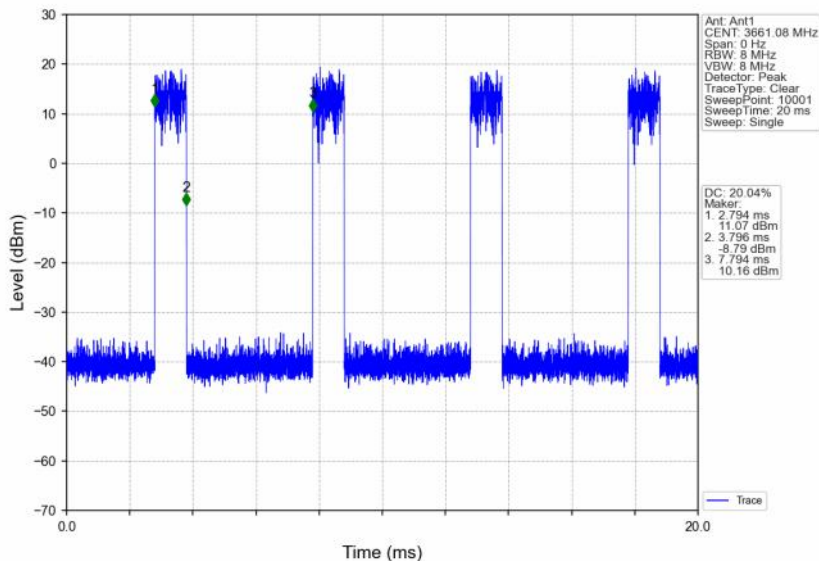
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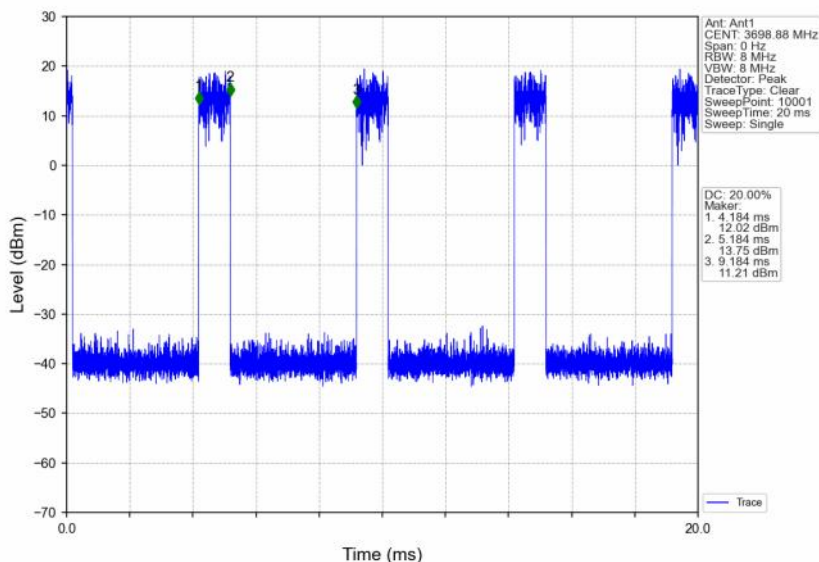
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3679.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3679.98MHz\_Edge\_1RB\_Right

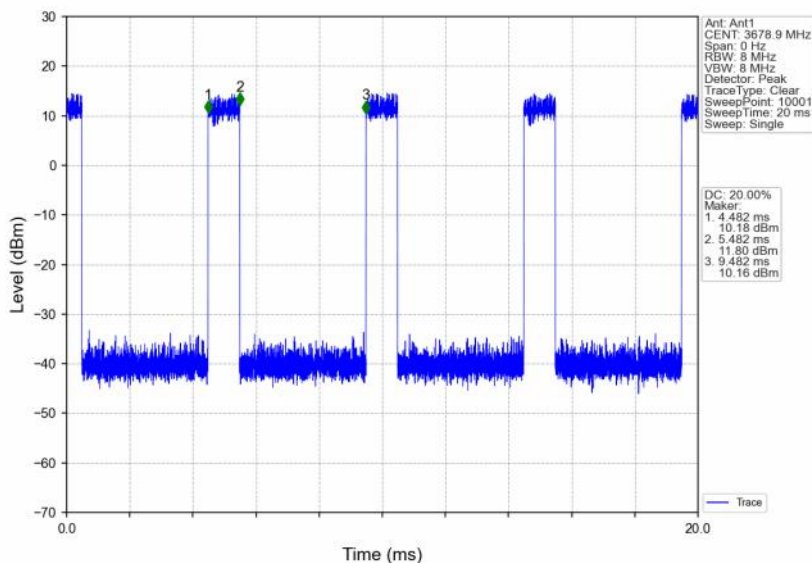


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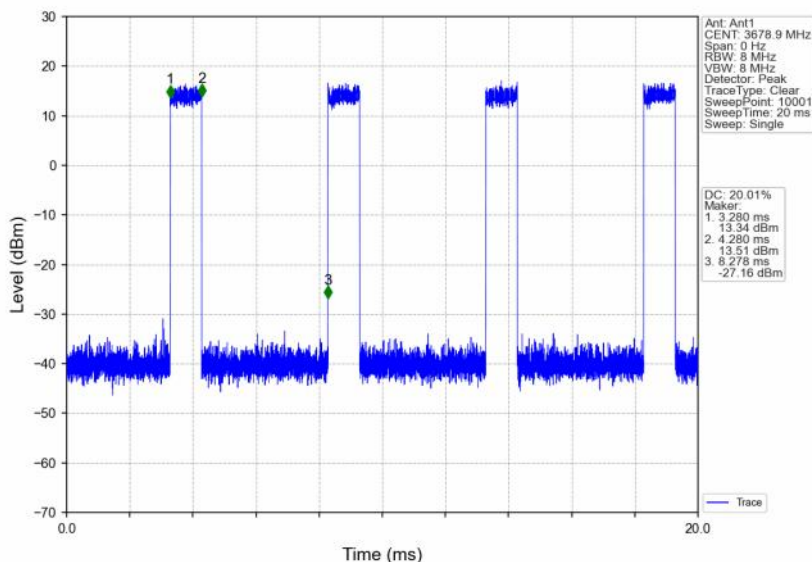
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3679.98MHz\_Outer\_Full



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

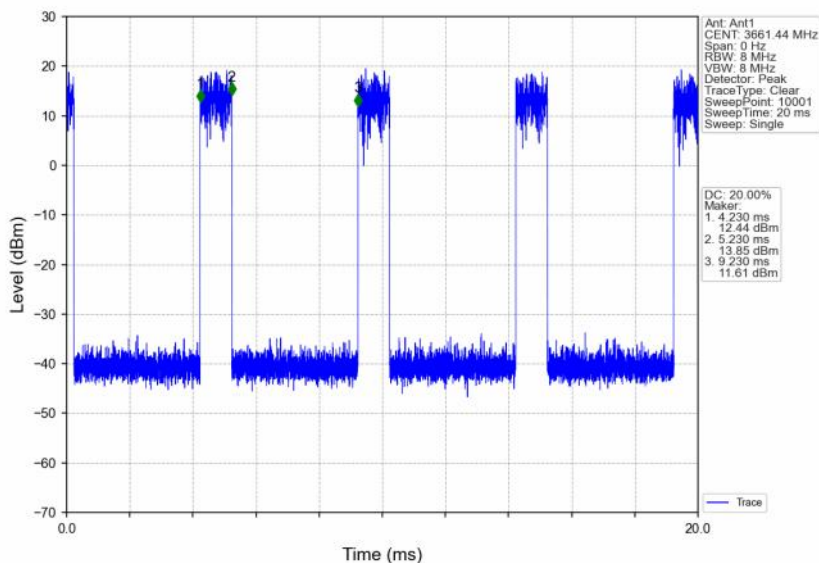


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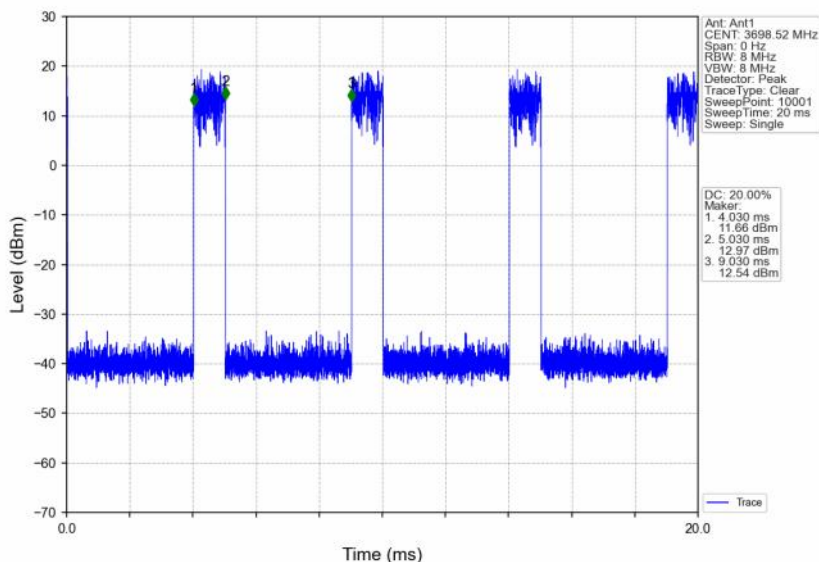
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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3679.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3679.98MHz\_Inner\_1RB\_Right

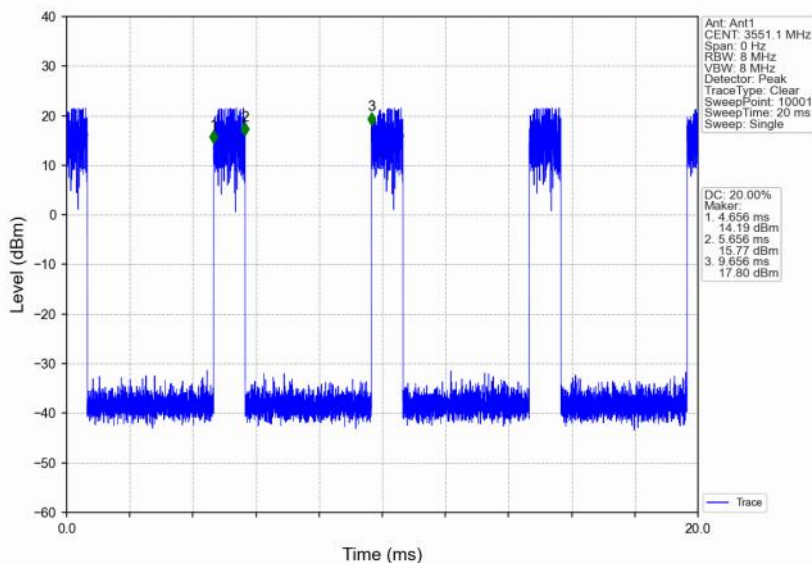


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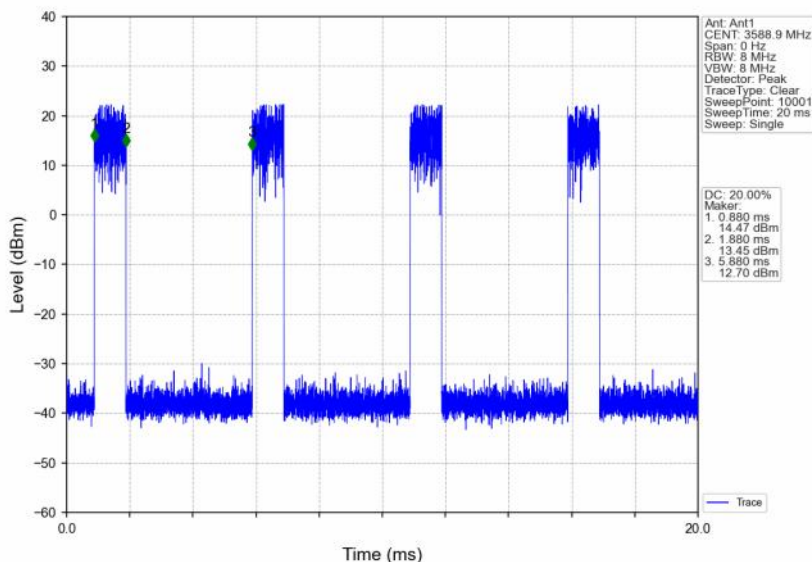
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Edge\_1RB\_Left



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



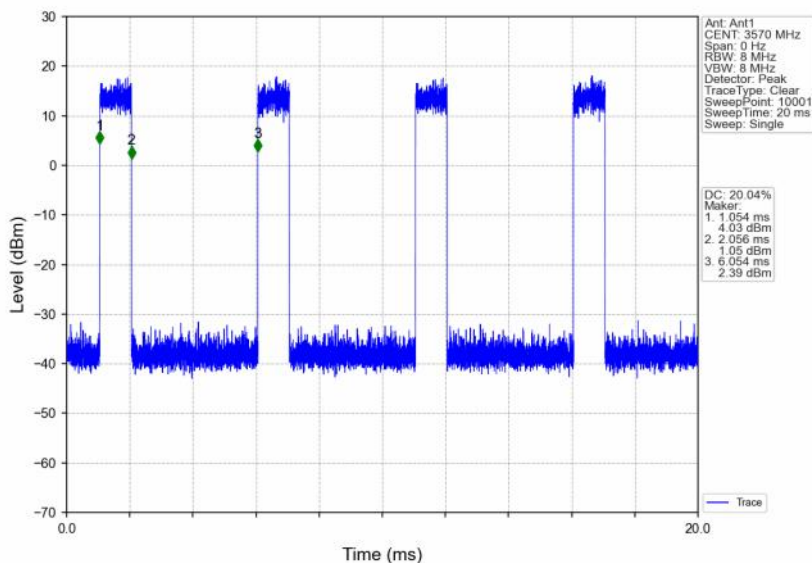
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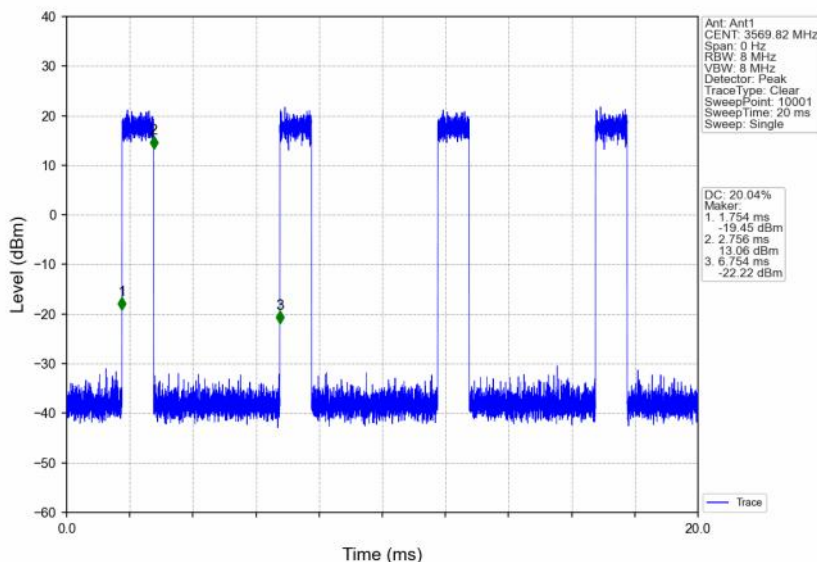
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Outer\_Full



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

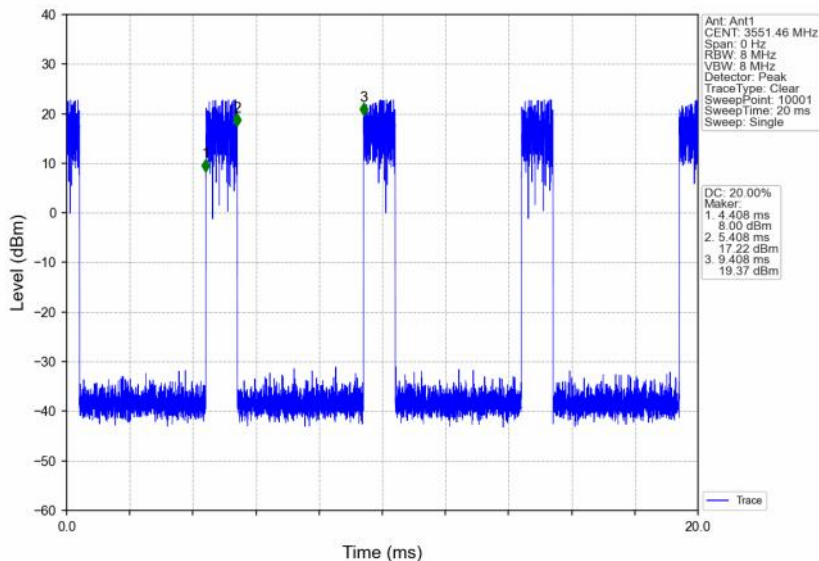


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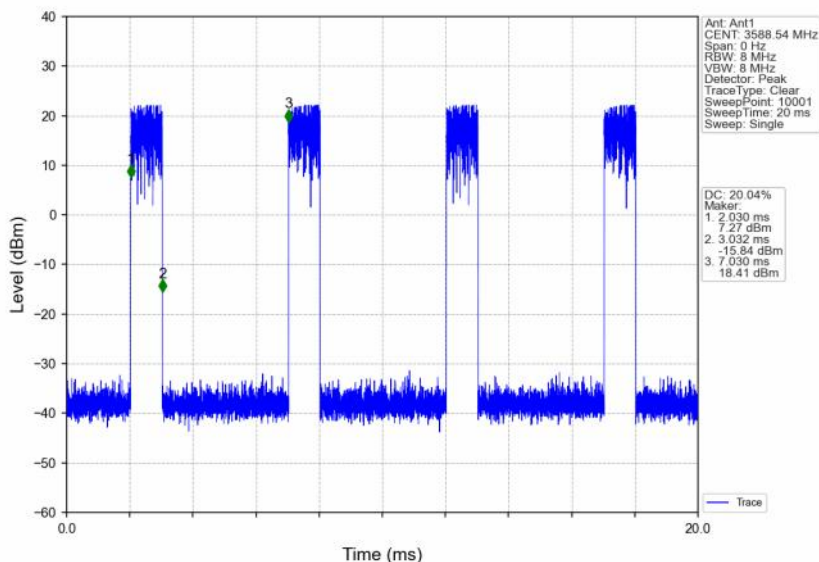
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3570MHz\_Inner\_1RB\_Right

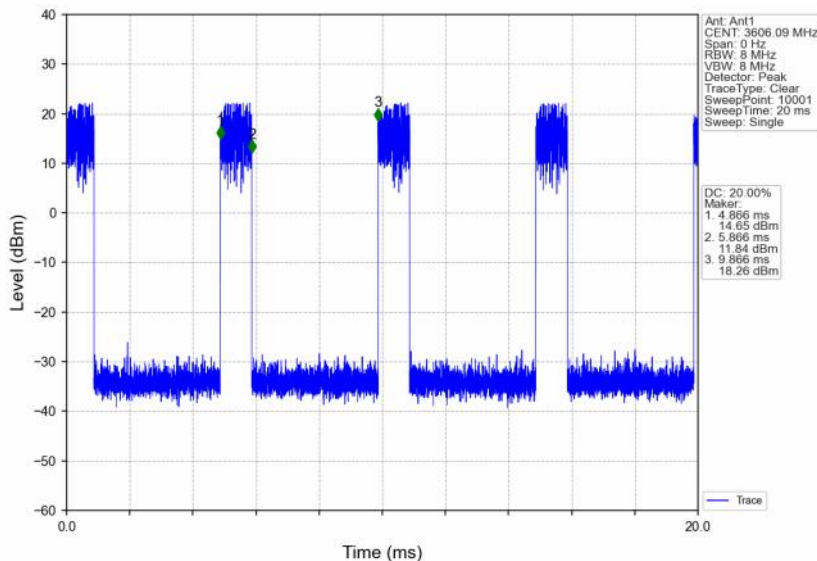


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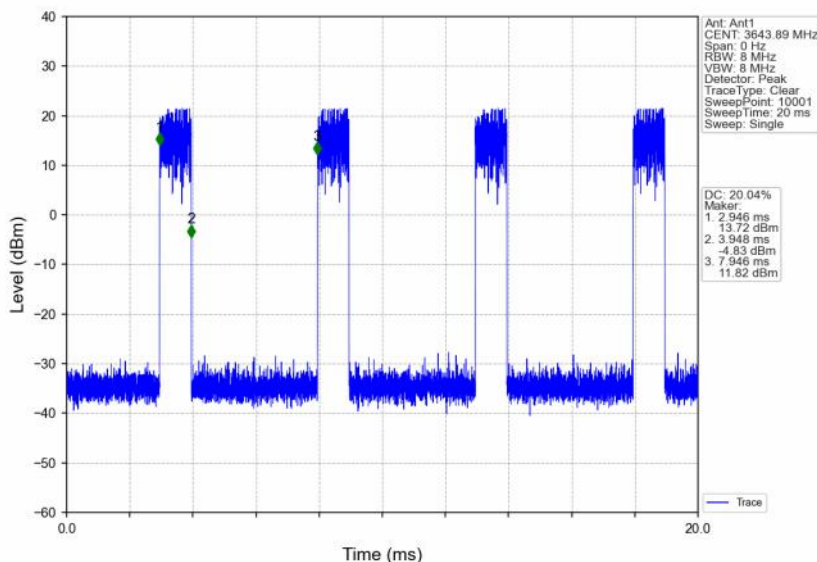
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Edge\_1RB\_Left



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

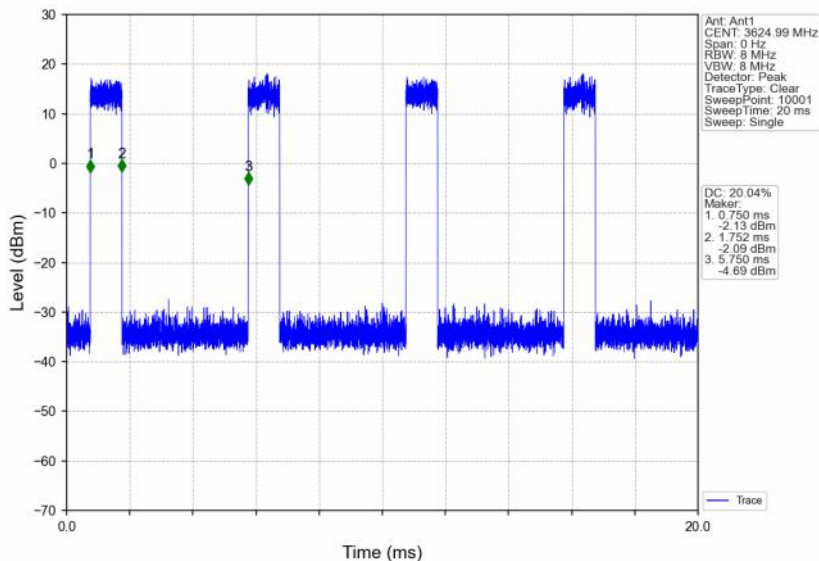


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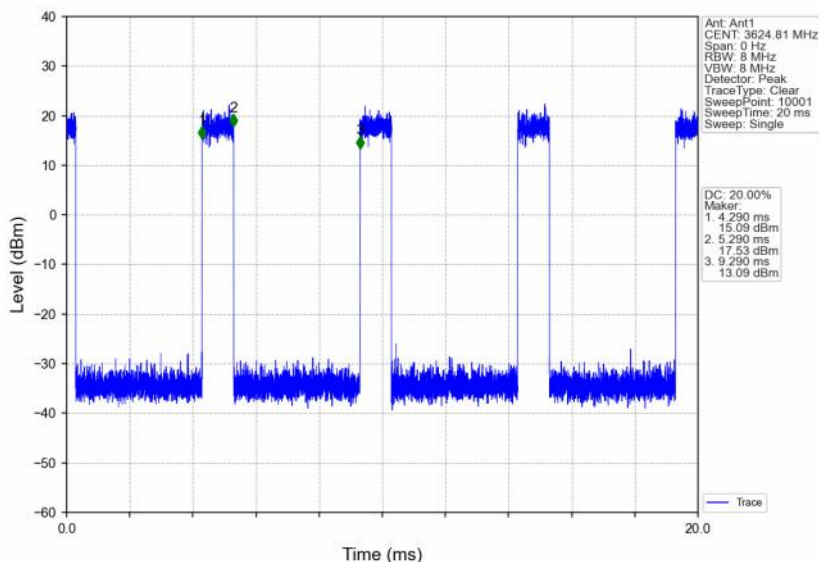
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_Full



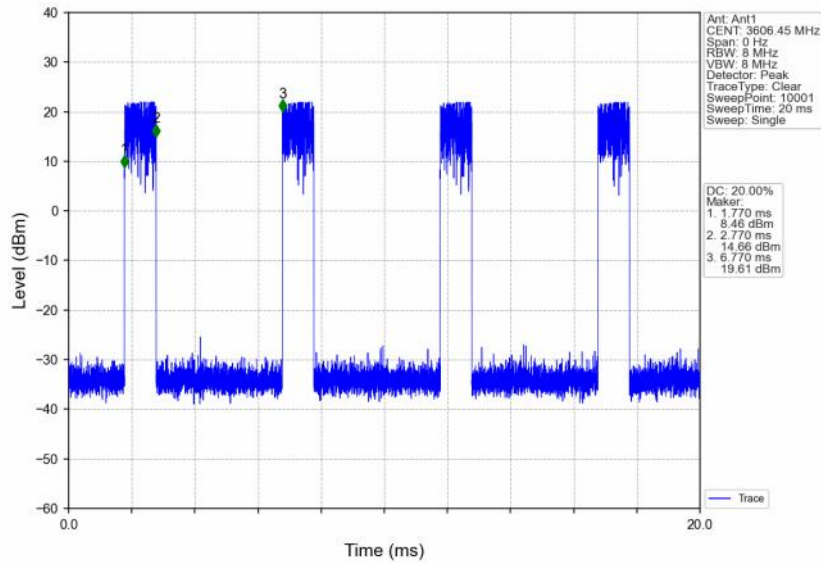
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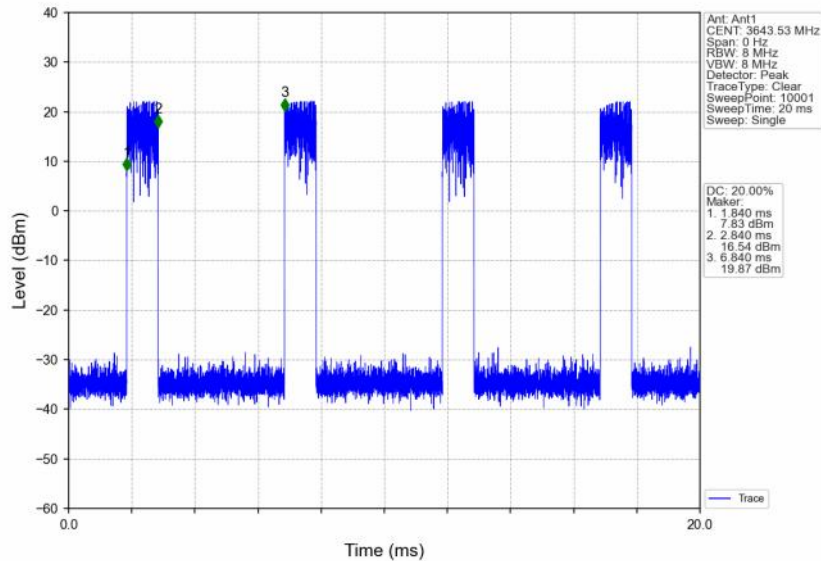
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Inner\_1RB\_Right

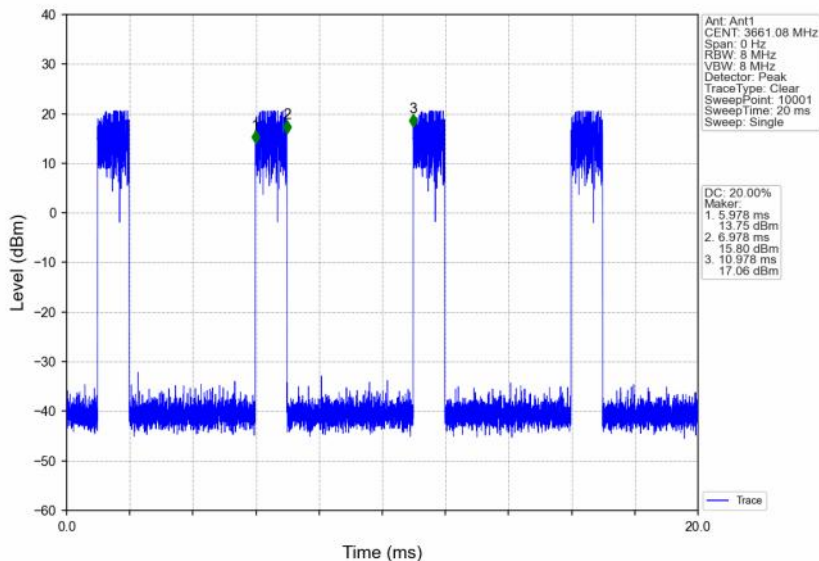


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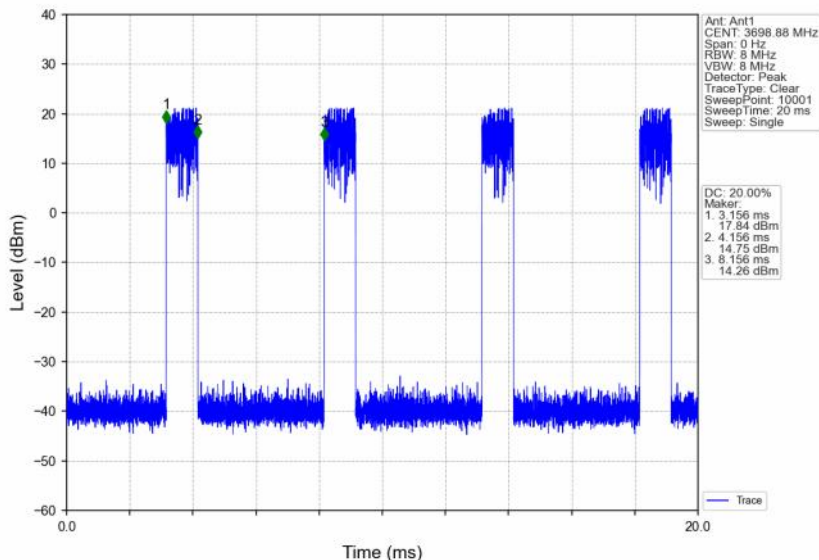
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Edge\_1RB\_Right

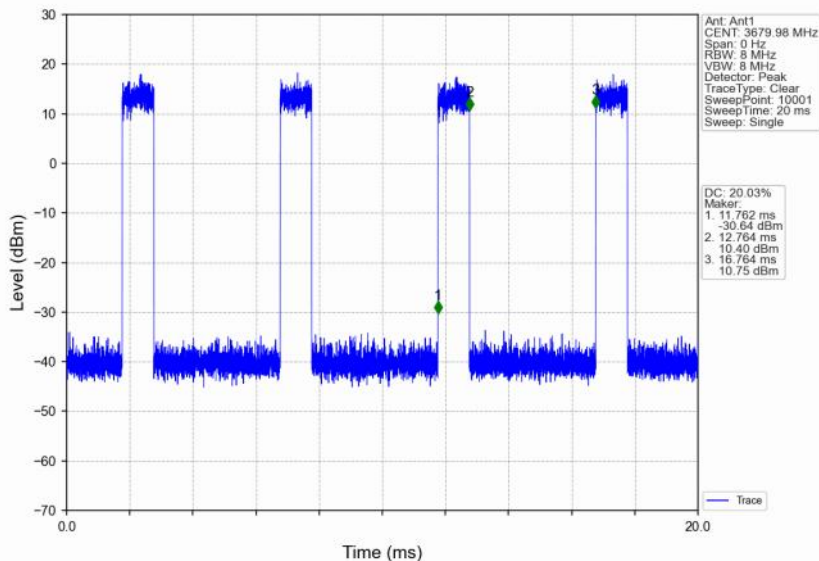


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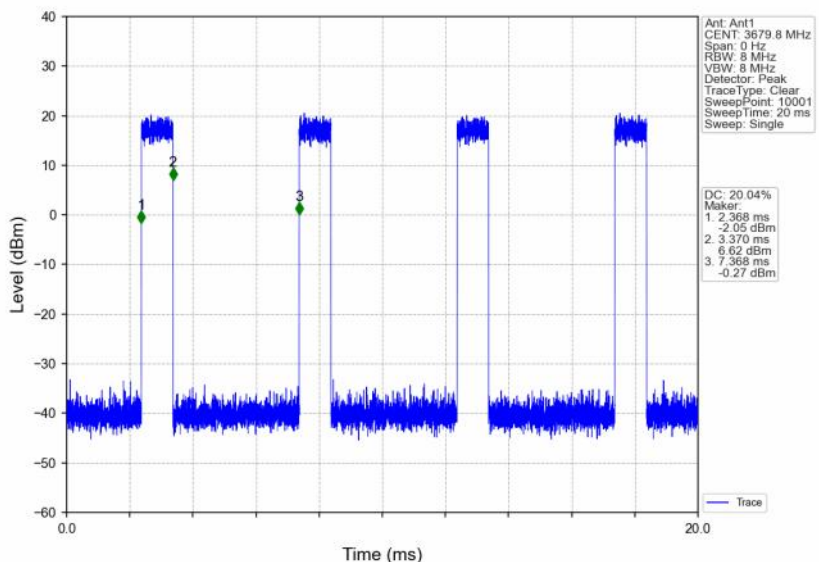
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Outer\_Full



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

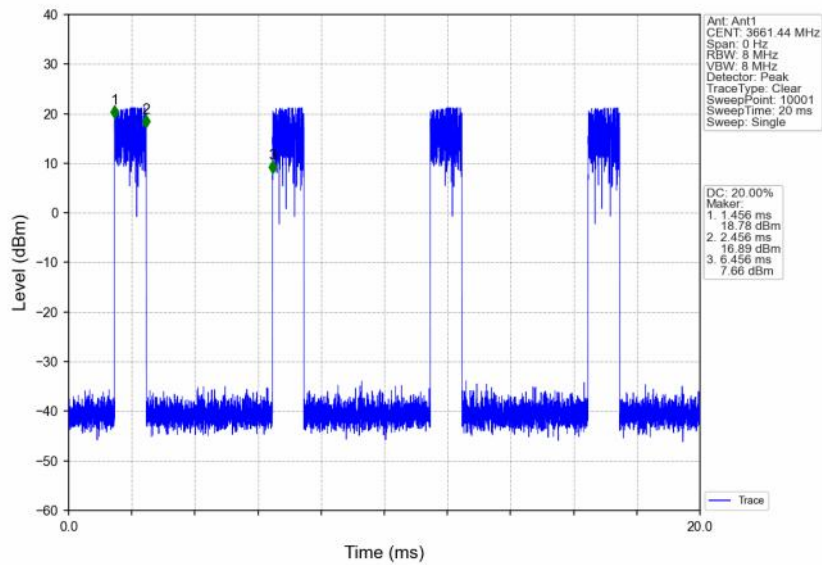


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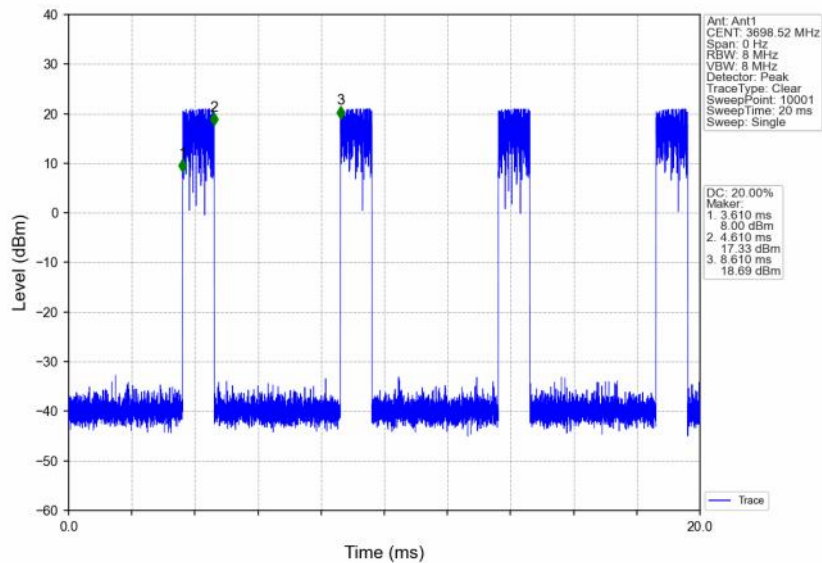
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3679.98MHz\_Inner\_1RB\_Left



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



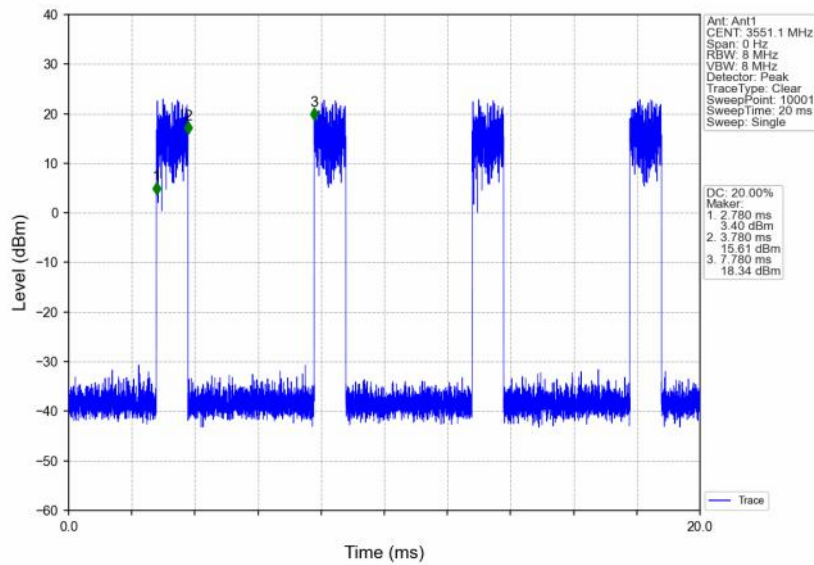
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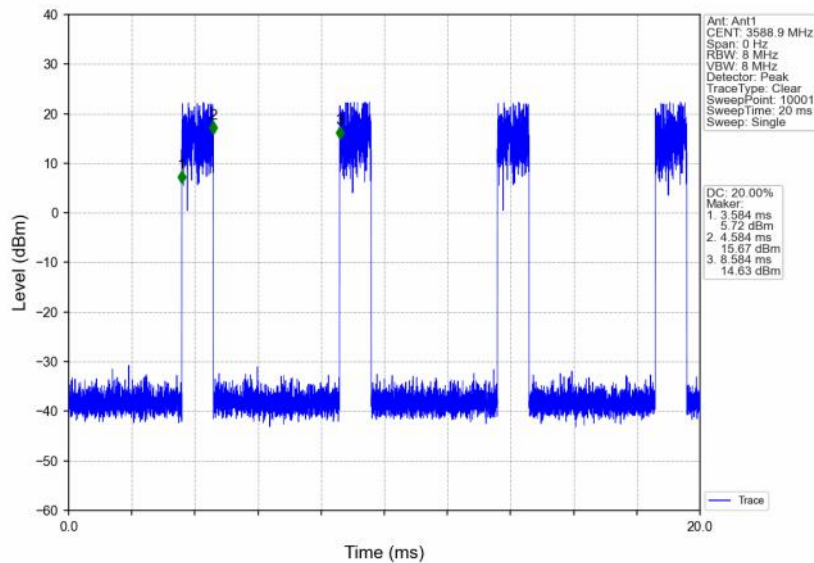
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3570MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3570MHz\_Edge\_1RB\_Right

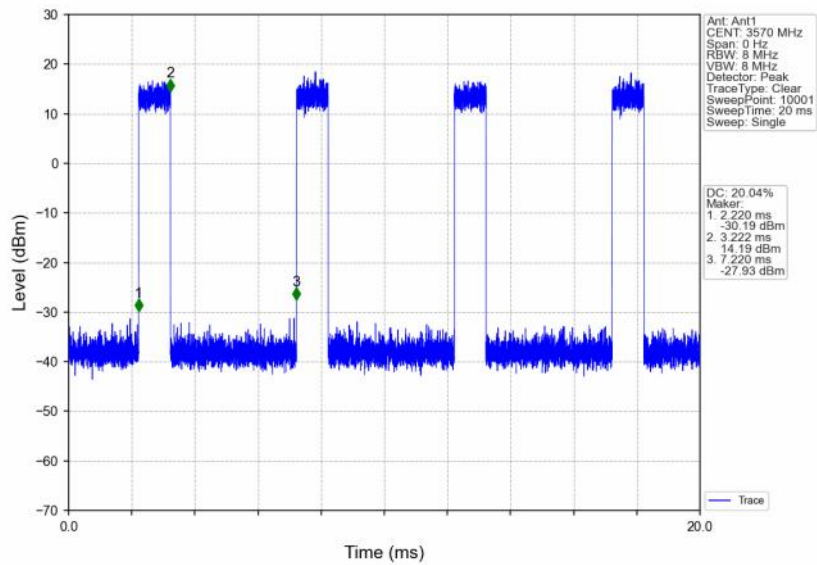


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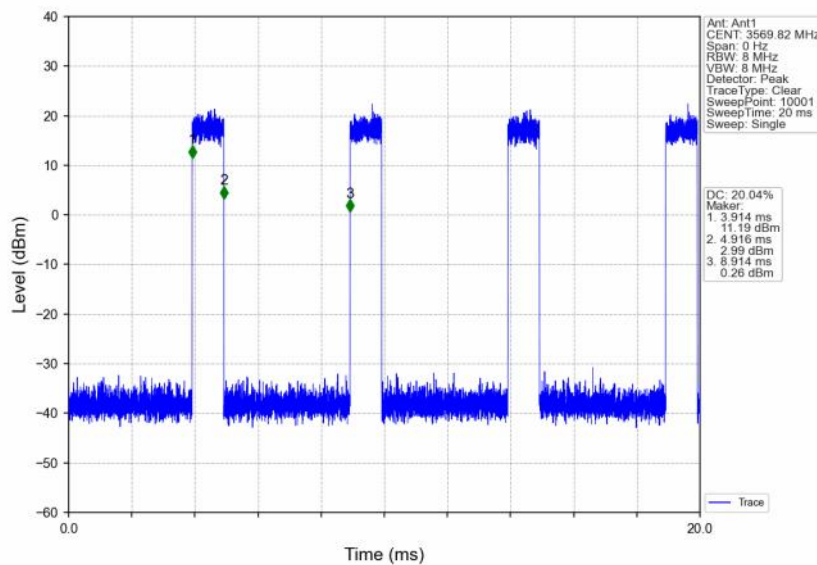
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3570MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3570MHz\_Inner\_Full

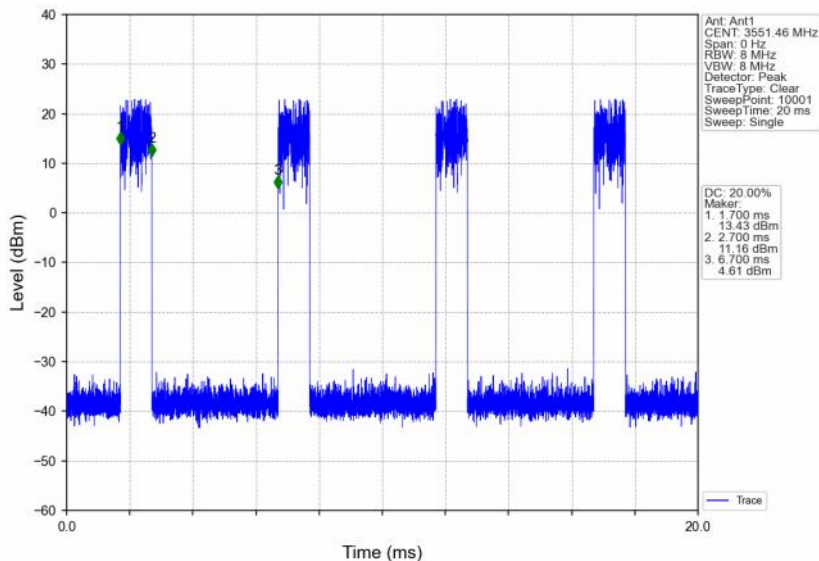


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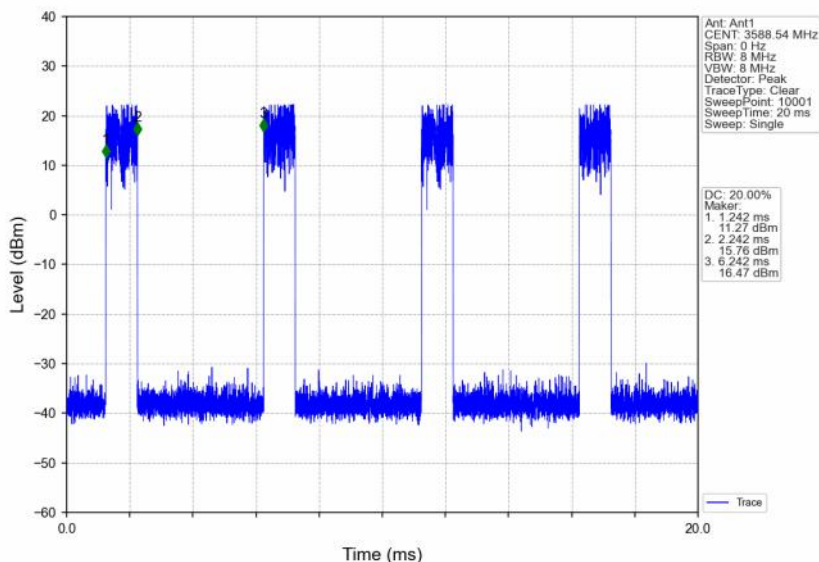
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3570MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3570MHz\_Inner\_1RB\_Right

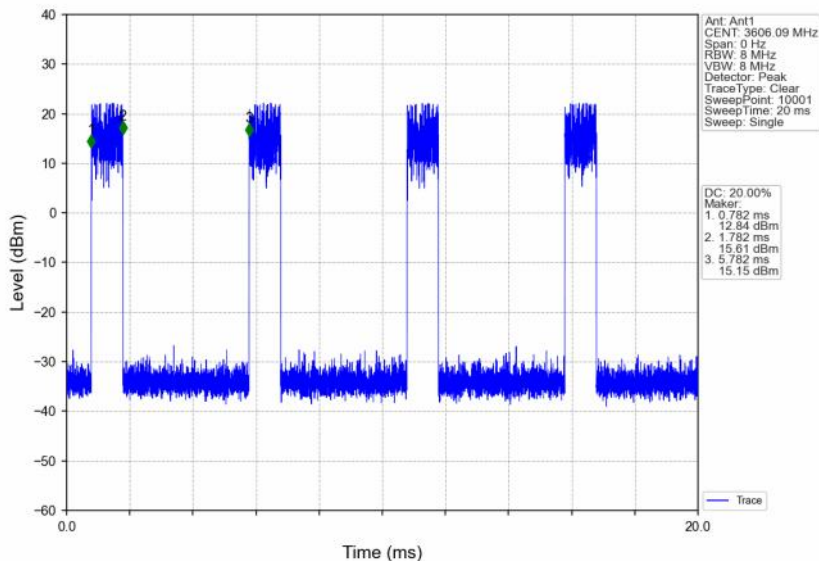


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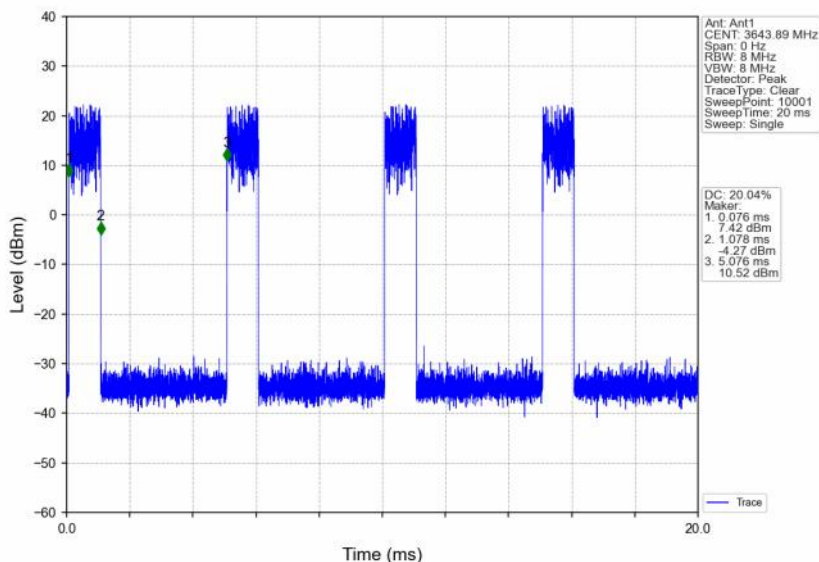
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3624.99MHz\_Edge\_1RB\_Right



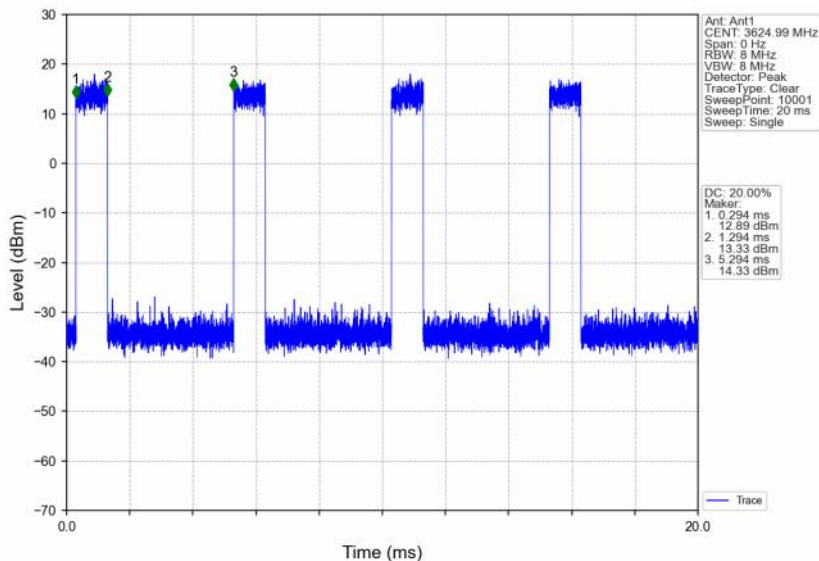
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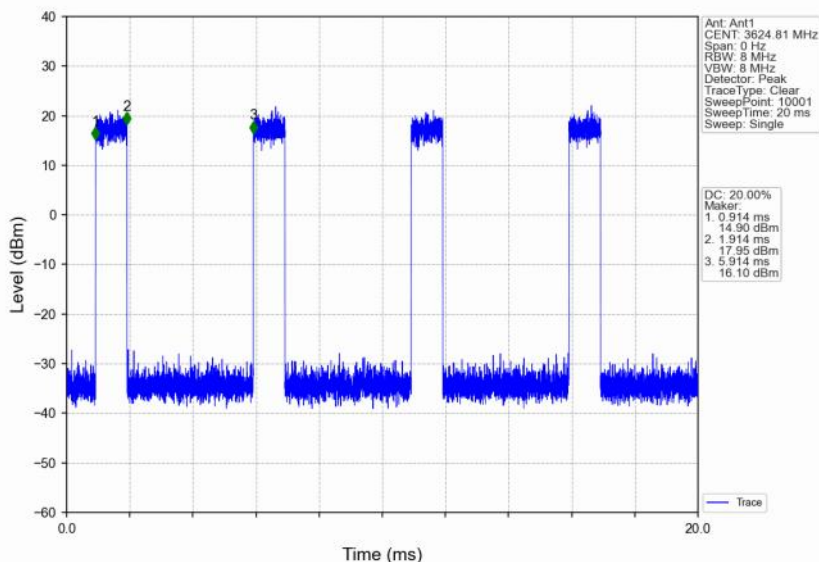
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Inner\_Full

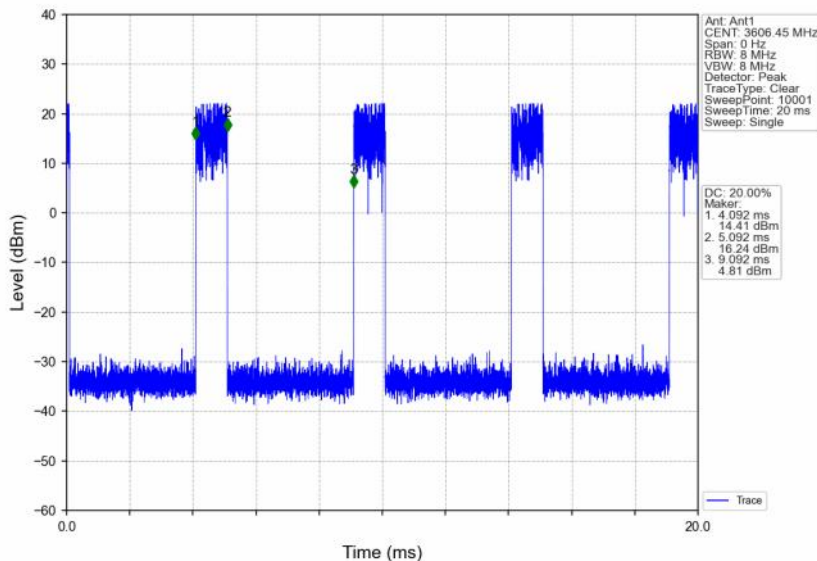


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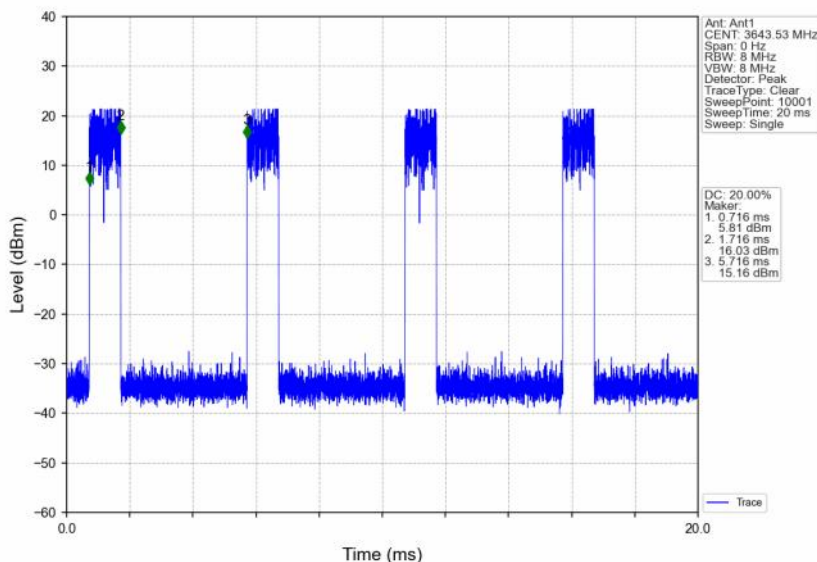
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3624.99MHz\_Inner\_1RB\_Right

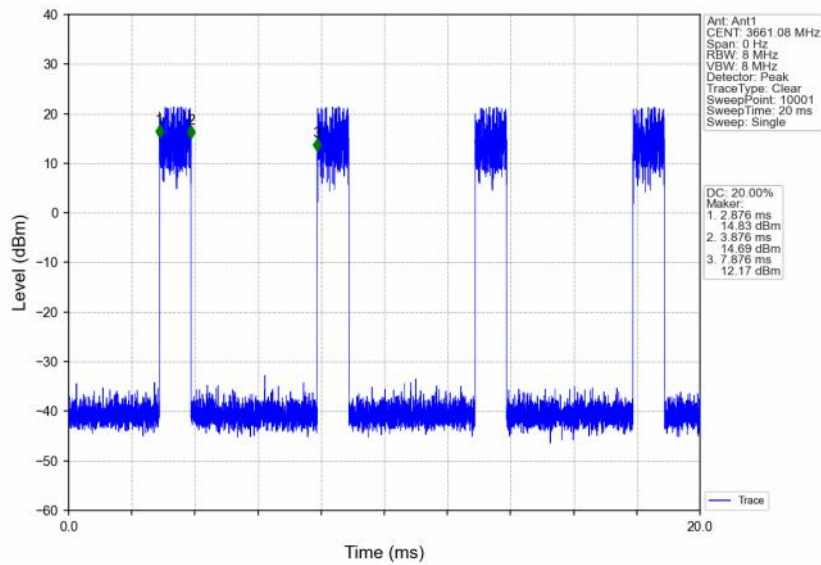


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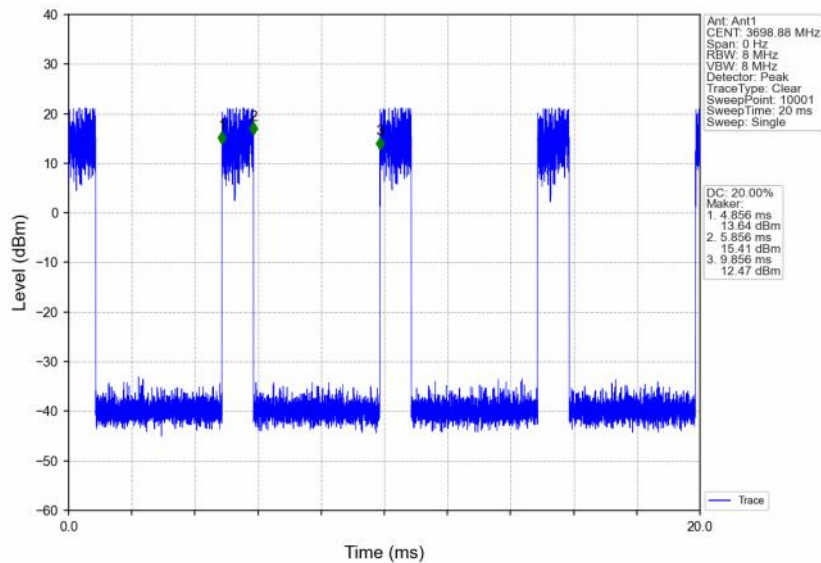
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3679.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_16 QAM\_3679.98MHz\_Edge\_1RB\_Right

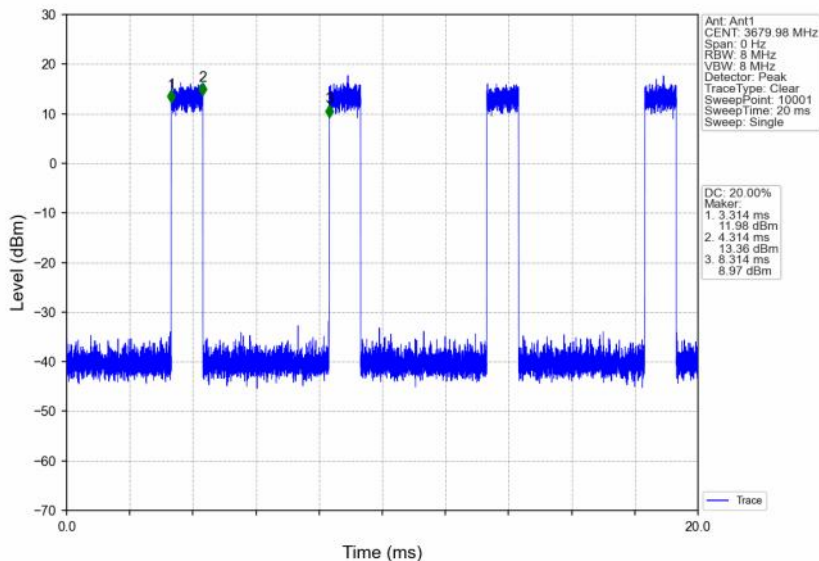


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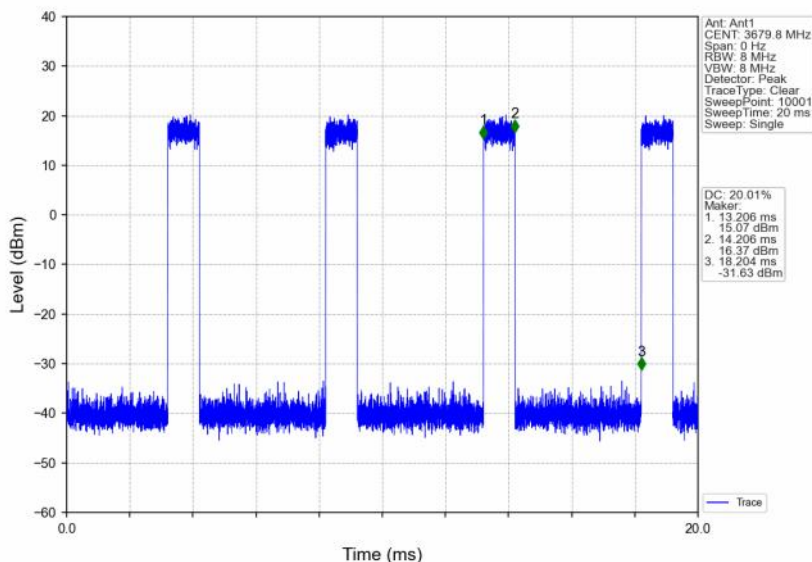
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3679.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3679.98MHz\_Inner\_Full



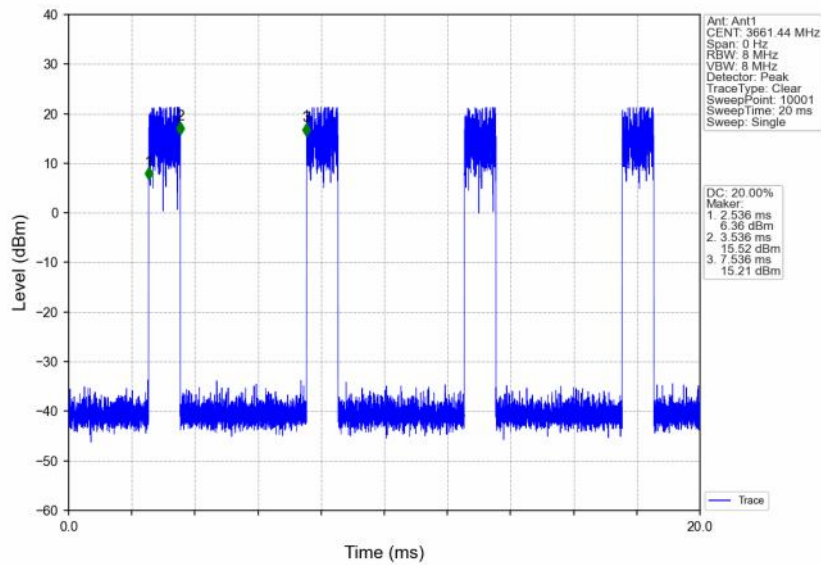
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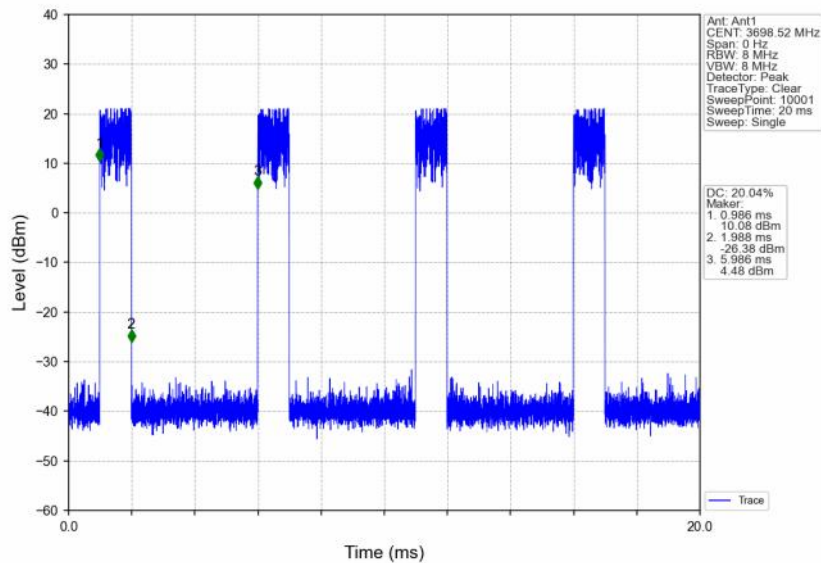
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3679.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3679.98MHz\_Inner\_1RB\_Right

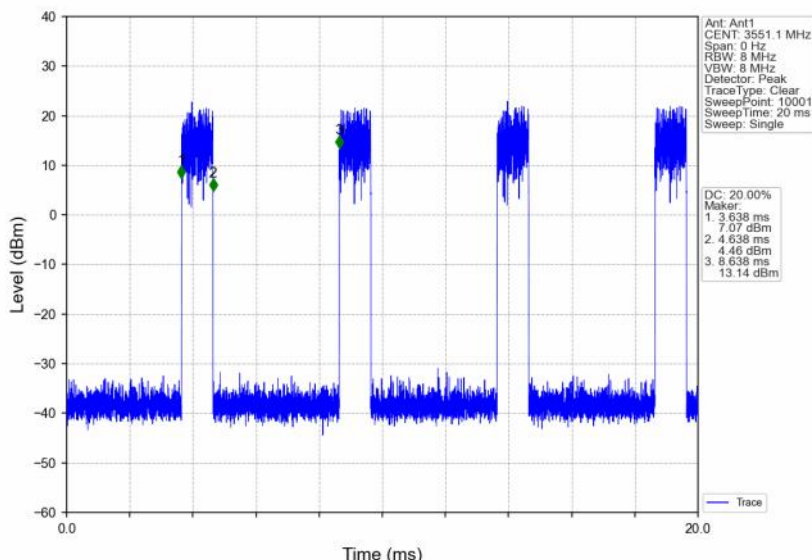


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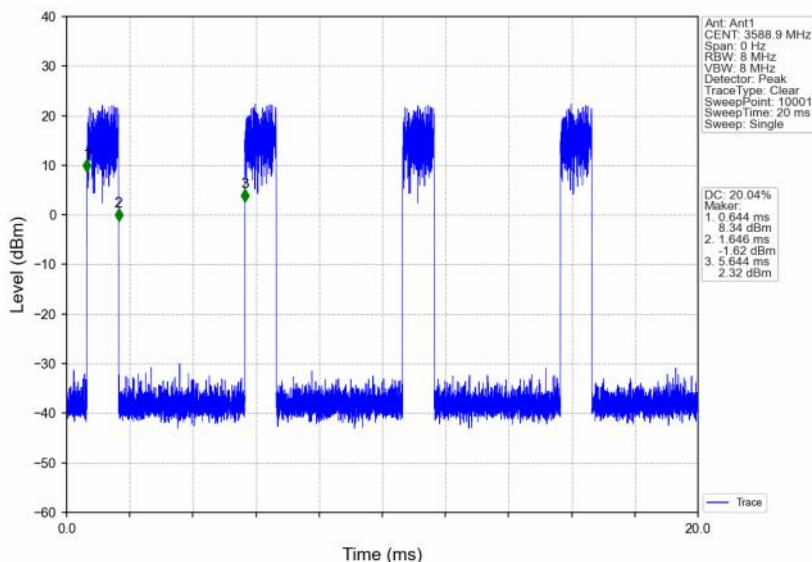
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Edge\_1RB\_Right

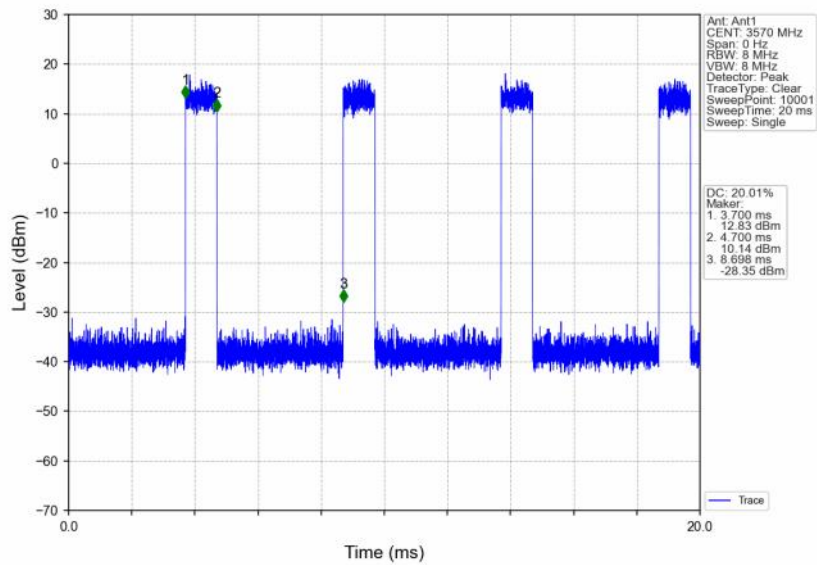


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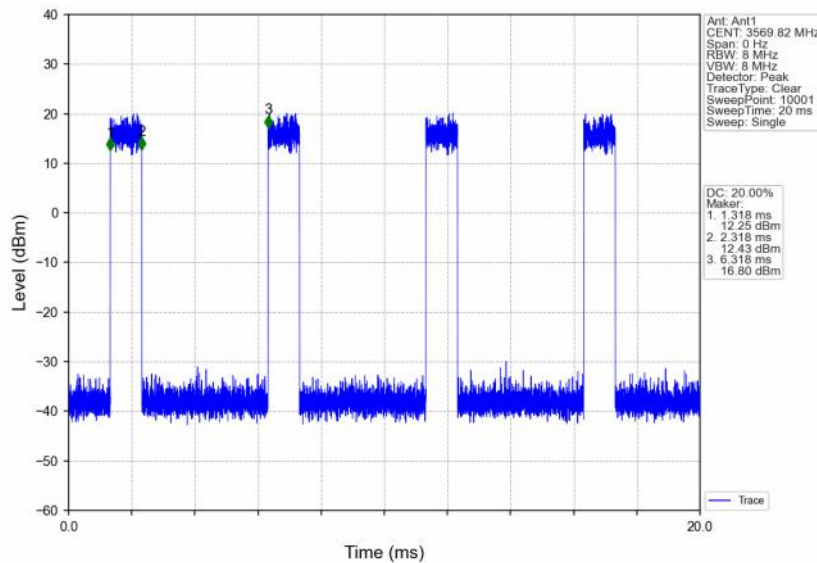
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Outer\_Full



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

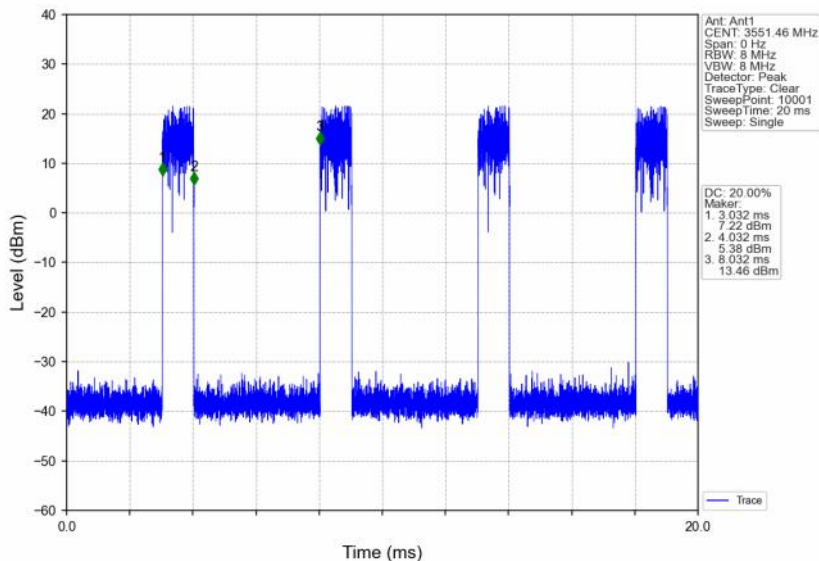


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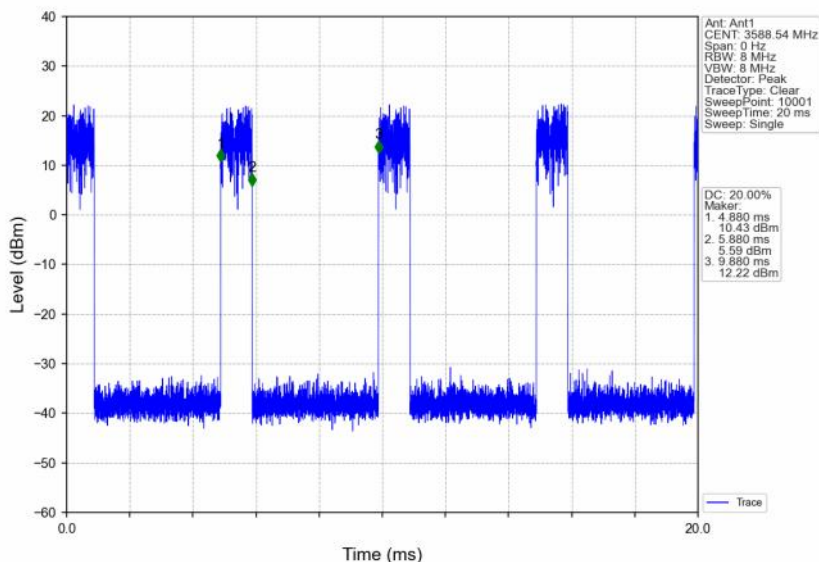
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3570MHz\_Inner\_1RB\_Right



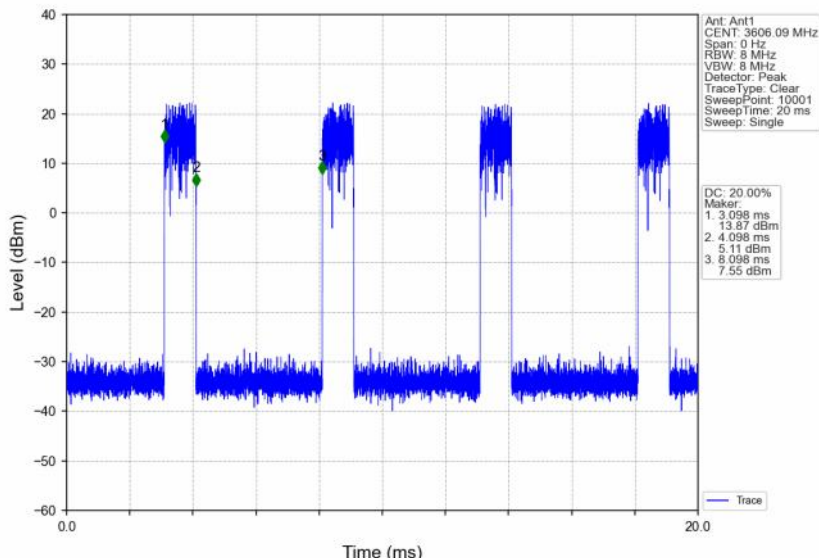
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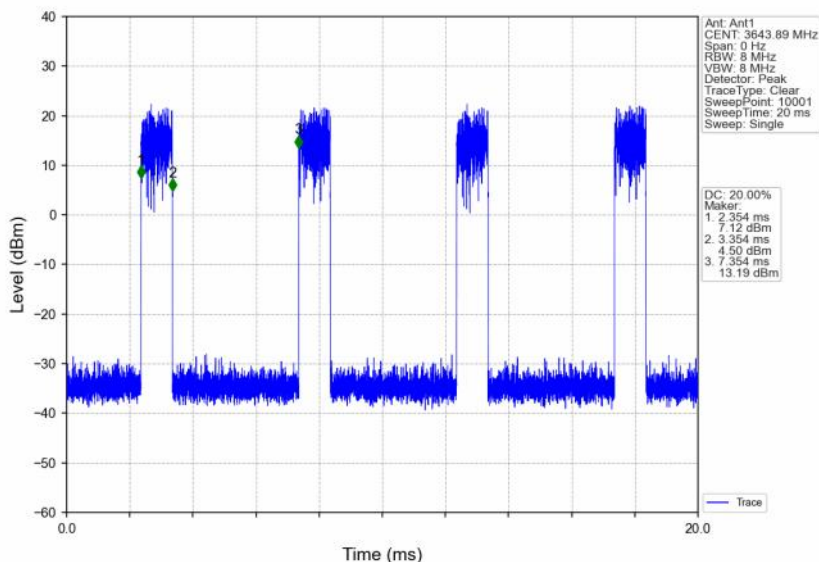
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Edge\_1RB\_Right

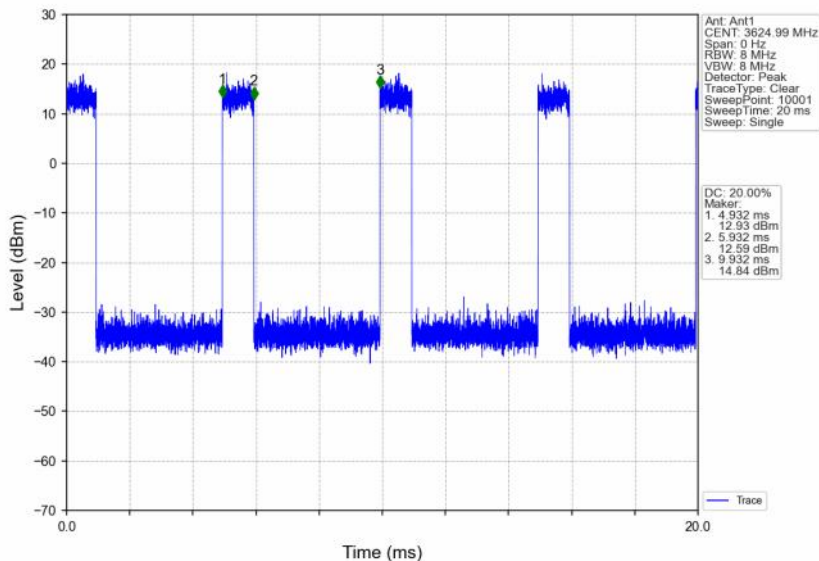


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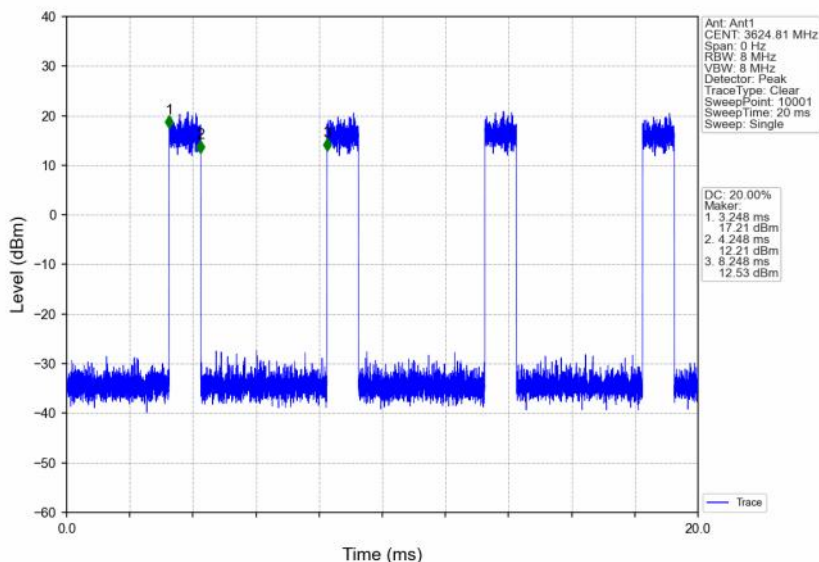
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Inner\_Full

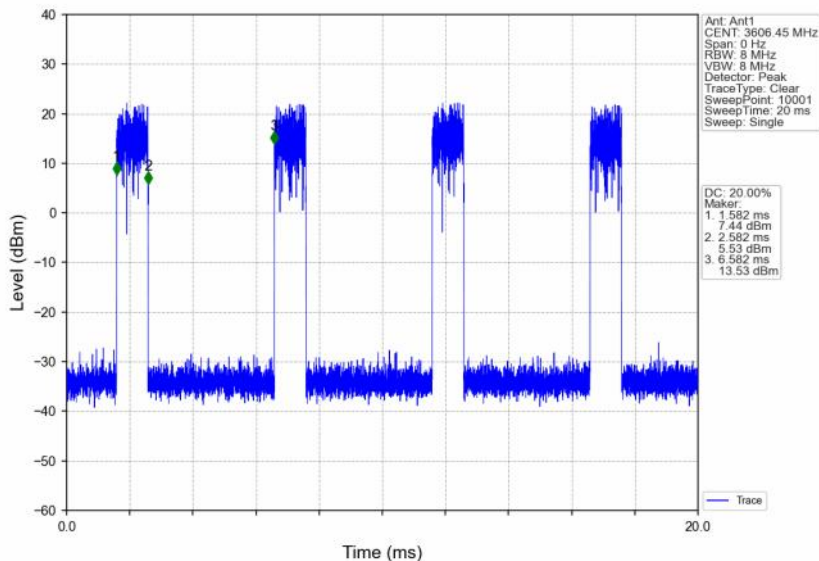


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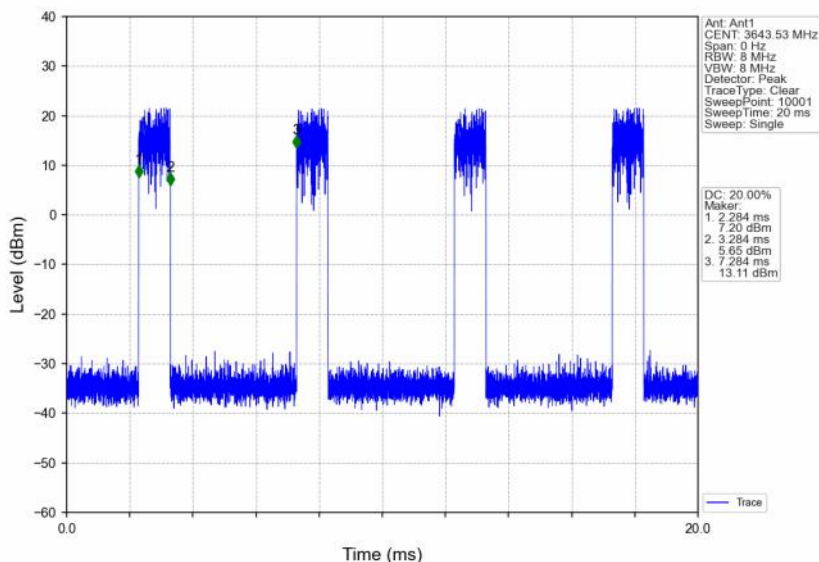
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Inner\_1RB\_Right

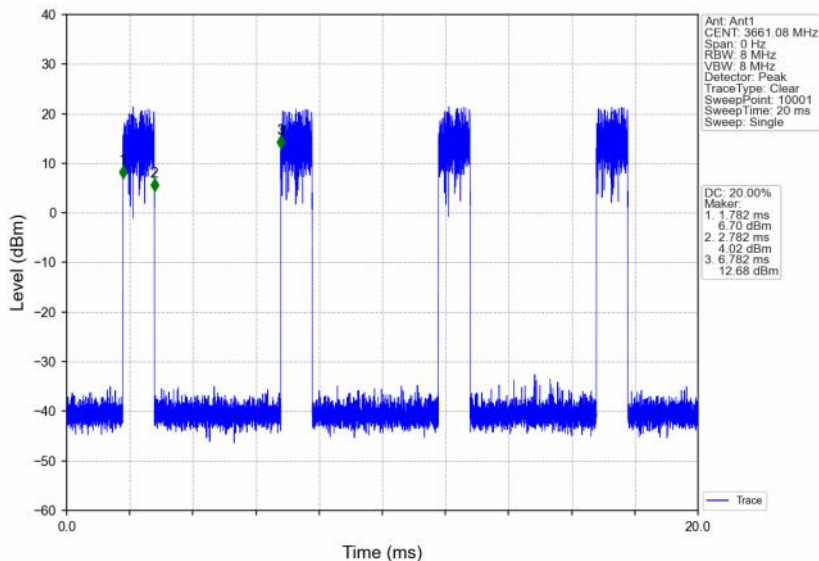


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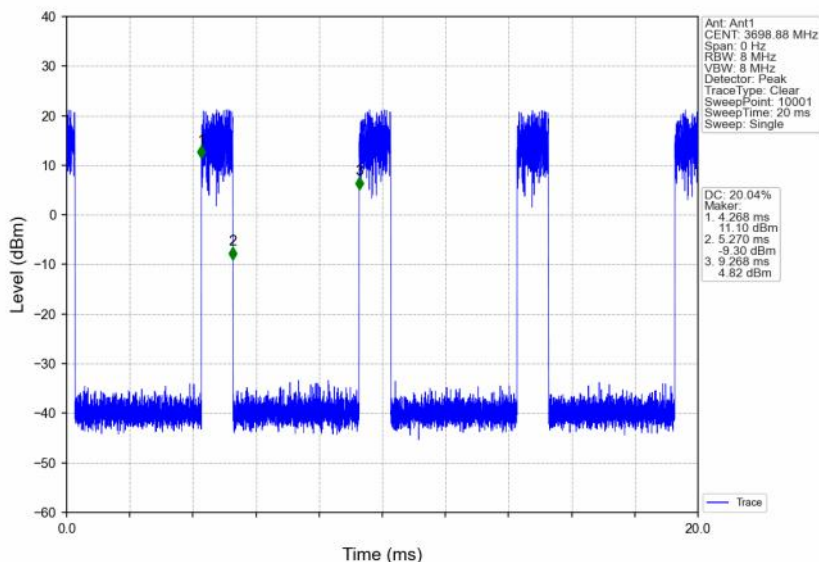
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3679.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3679.98MHz\_Edge\_1RB\_Right



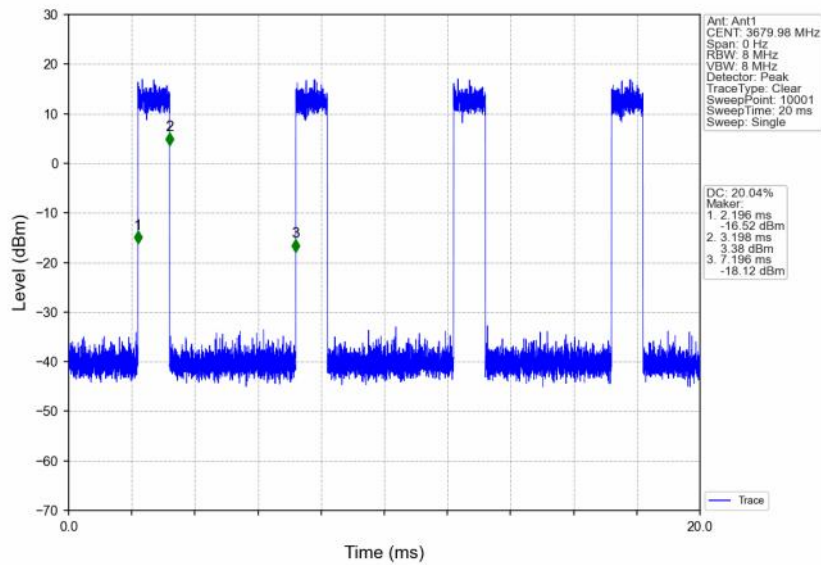
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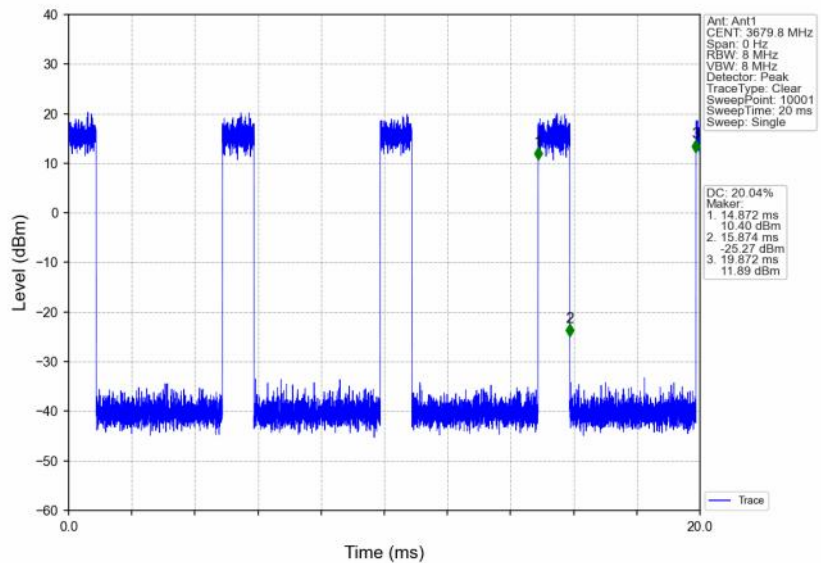
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3679.98MHz\_Outer\_Full



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

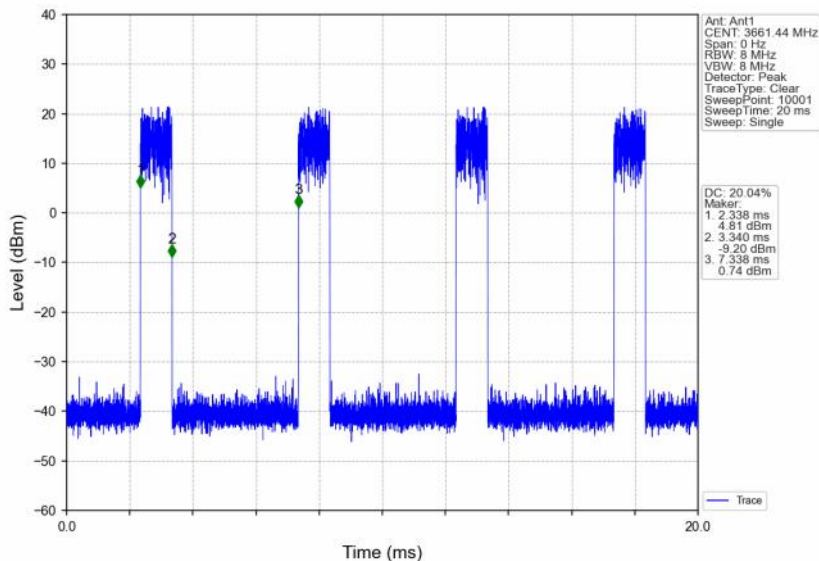


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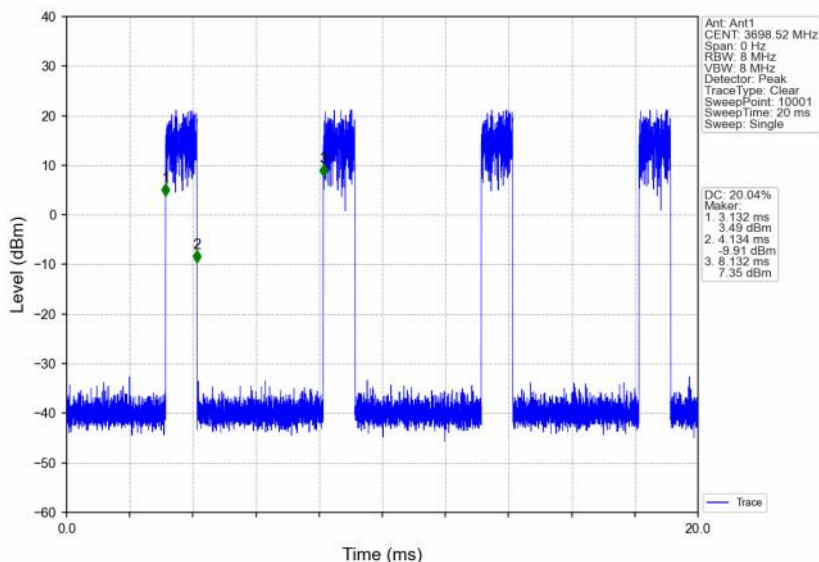
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3679.98MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3679.98MHz\_Inner\_1RB\_Right

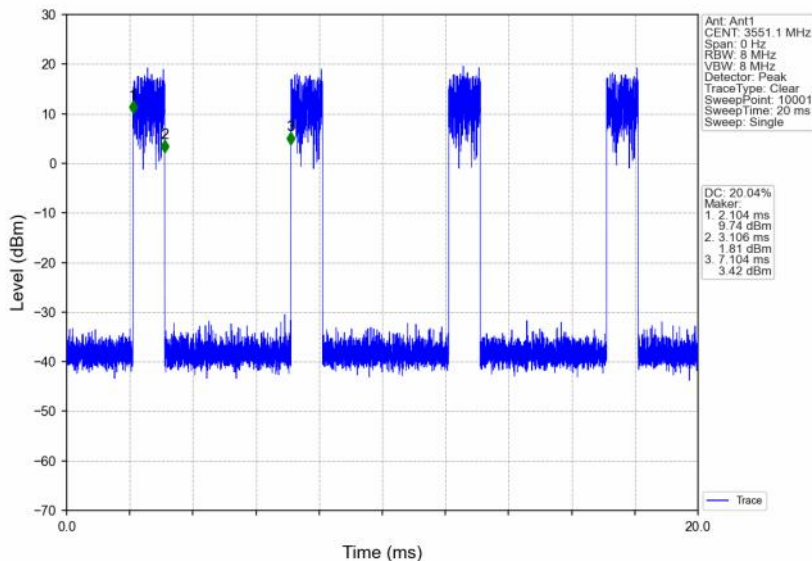


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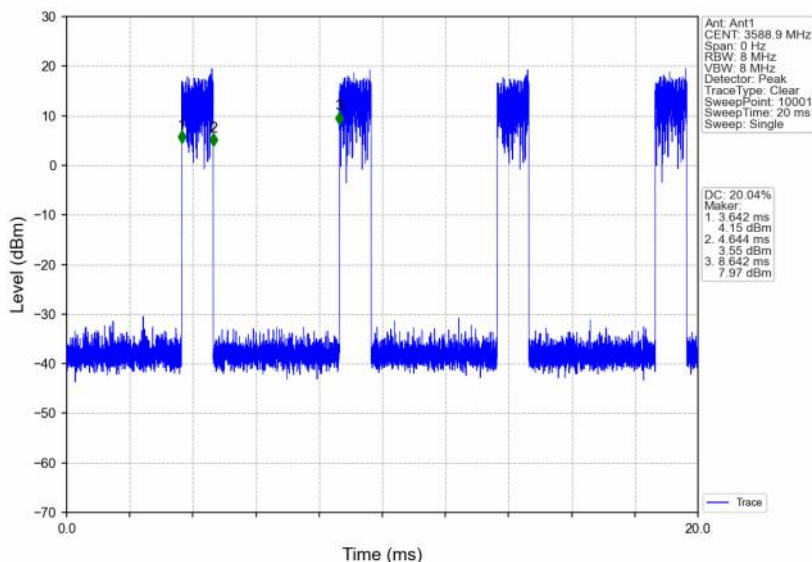
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3570MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3570MHz\_Edge\_1RB\_Right

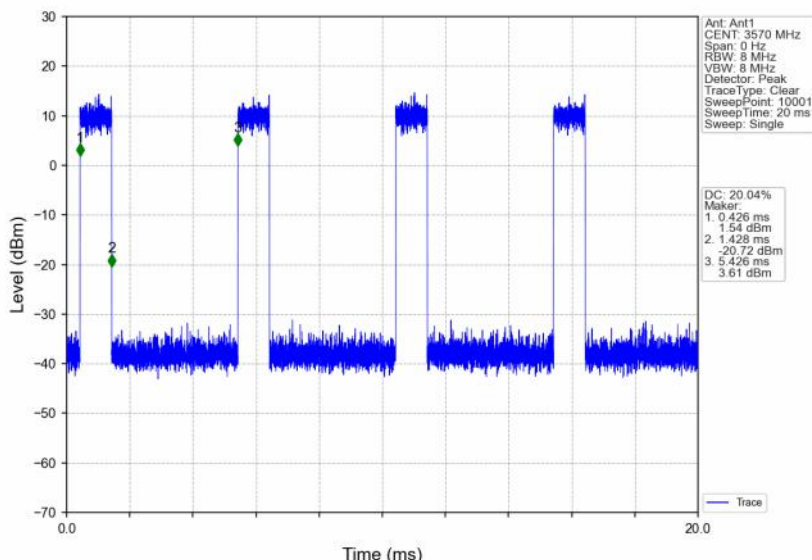


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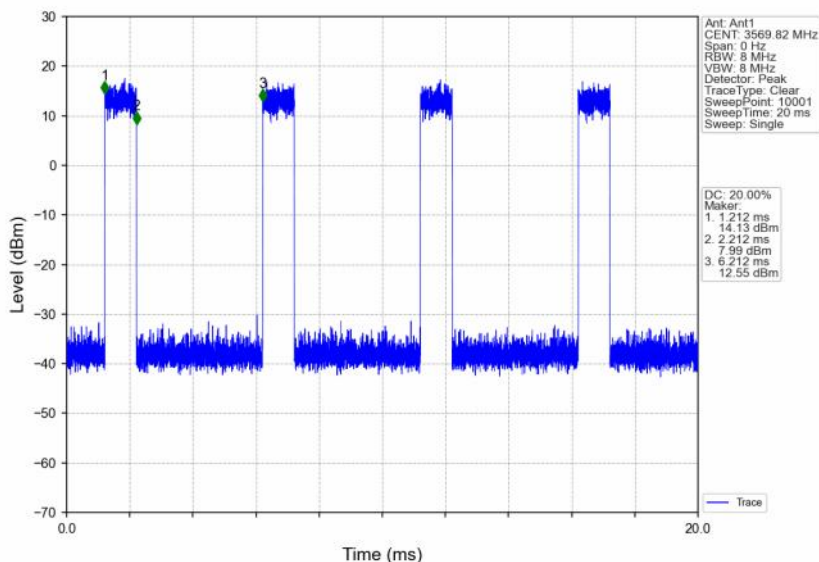
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3570MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3570MHz\_Inner\_Full



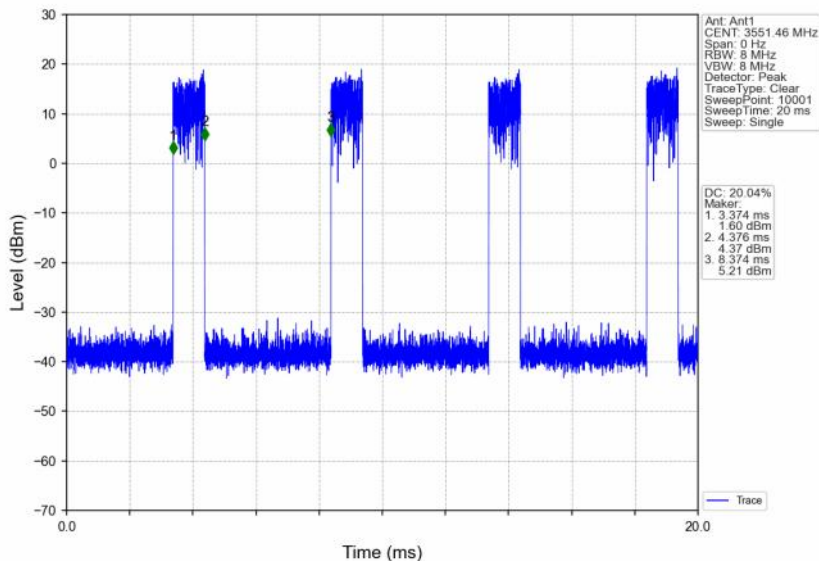
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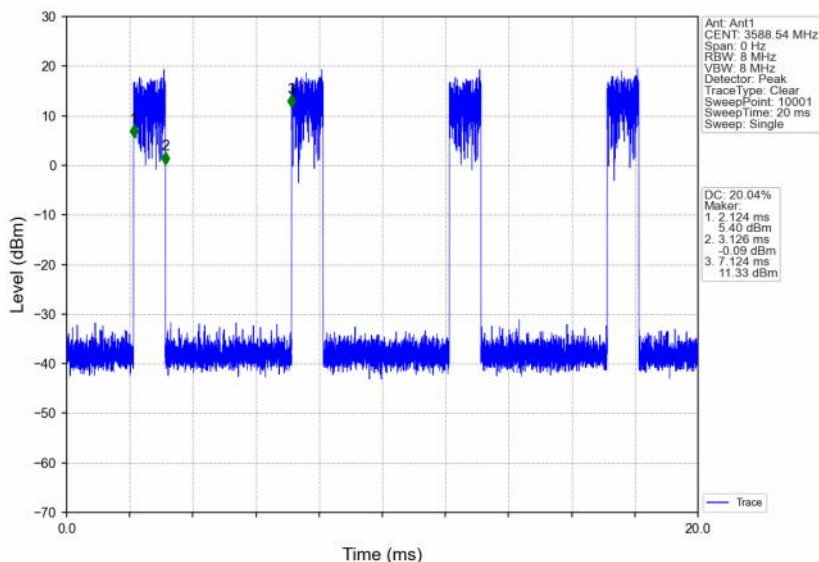
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3570MHz\_Inner\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3570MHz\_Inner\_1RB\_Right

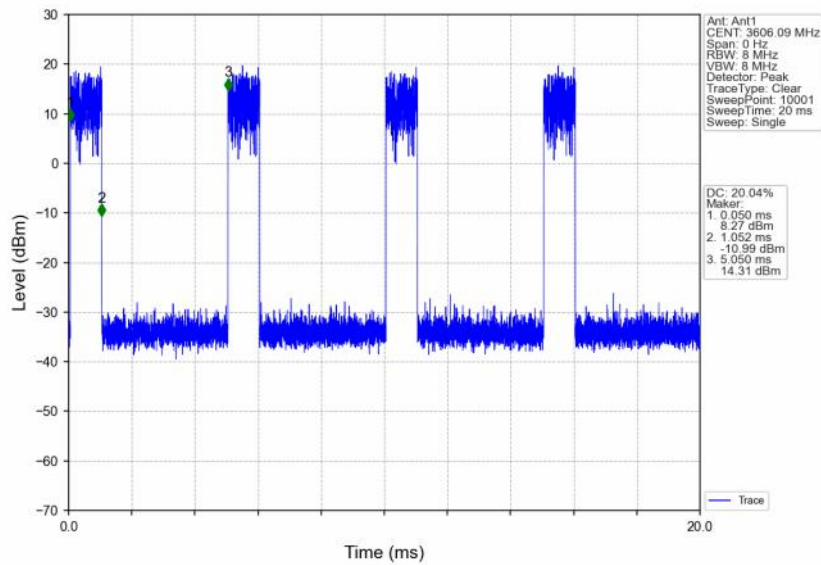


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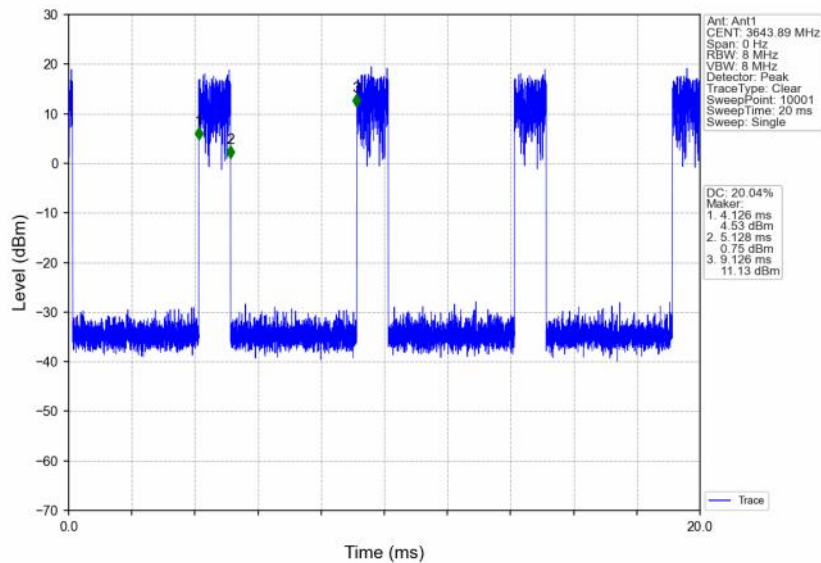
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Edge\_1RB\_Left



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

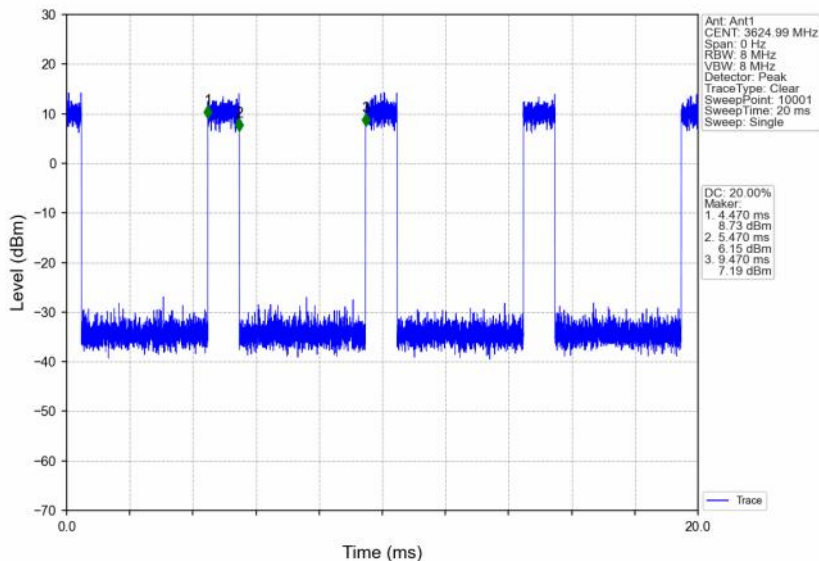


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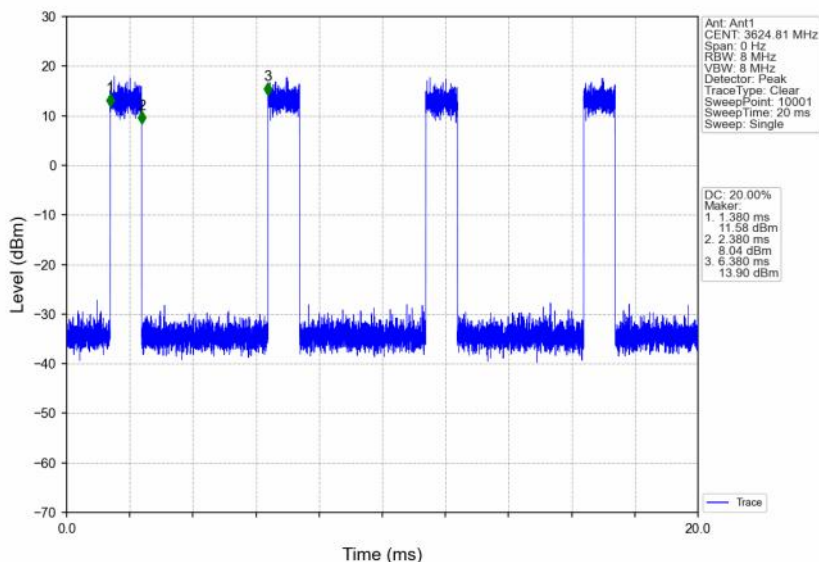
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_Full

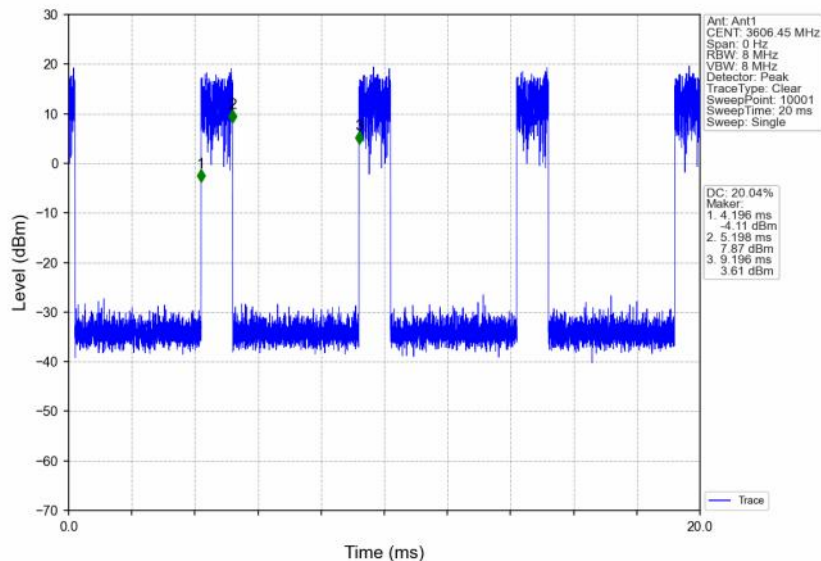


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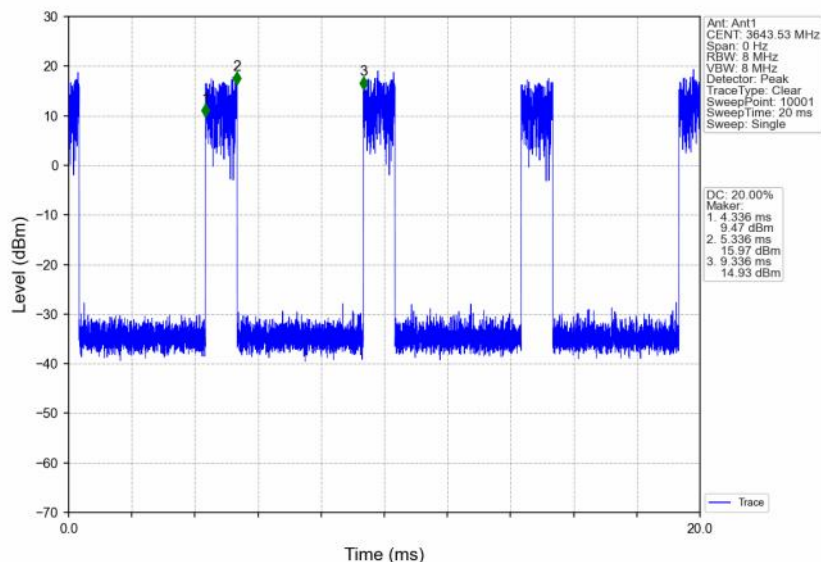
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Inner\_1RB\_Left



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



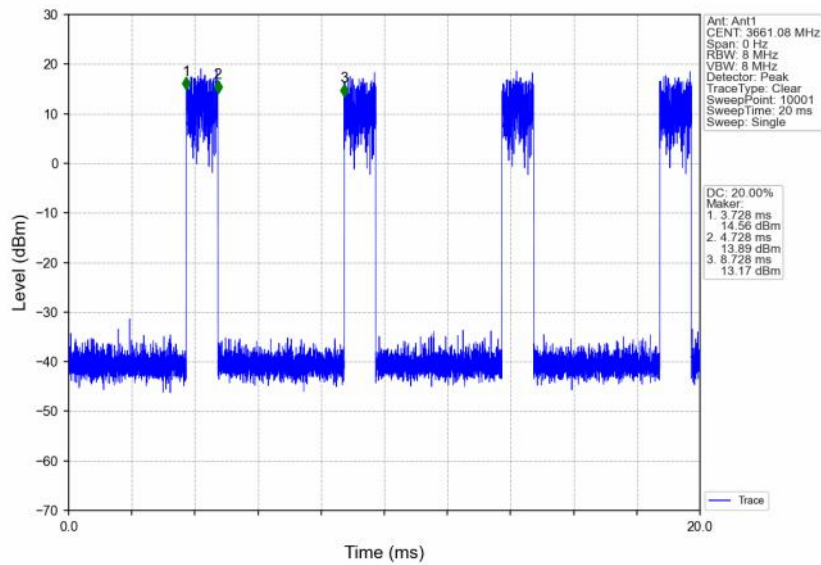
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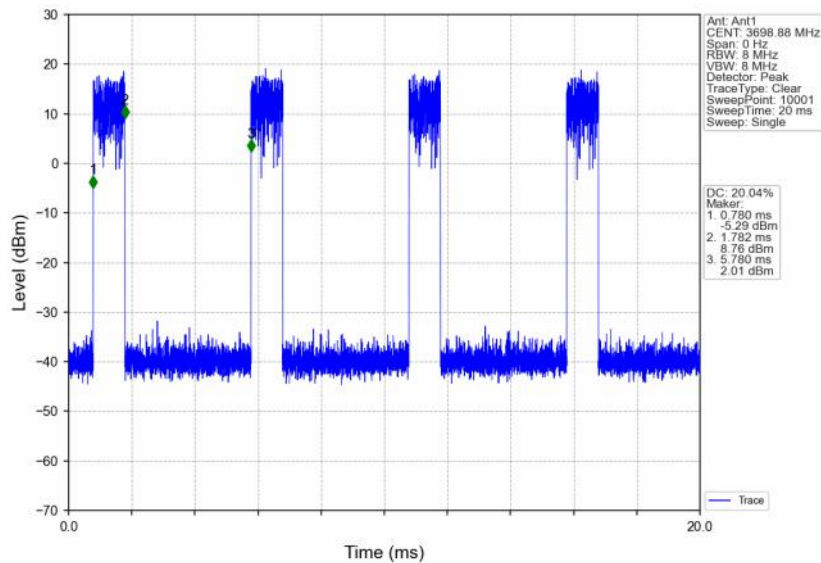
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3679.98MHz\_Edge\_1RB\_Left



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3679.98MHz\_Edge\_1RB\_Right

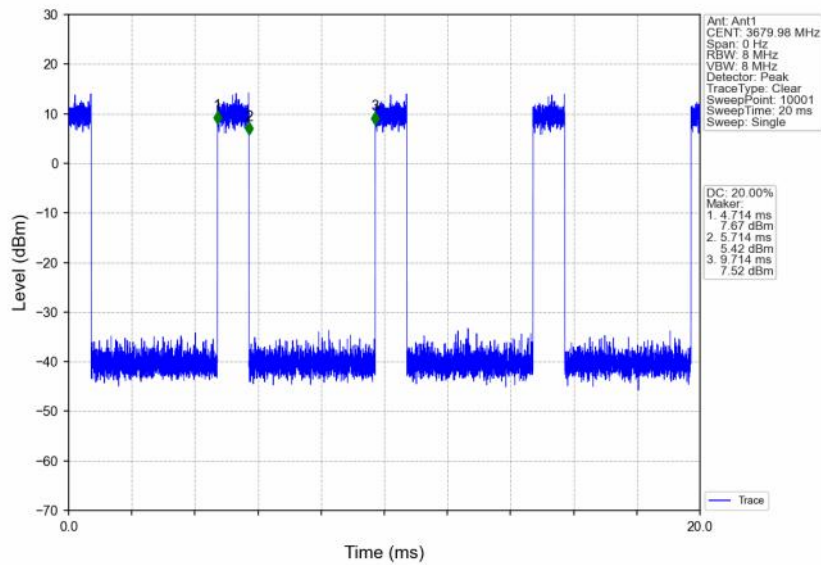


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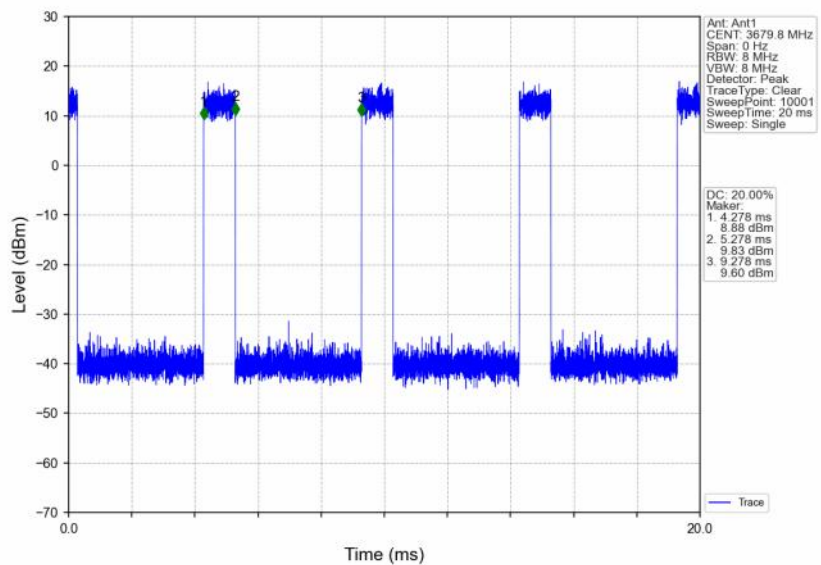
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3679.98MHz\_Outer\_Full



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

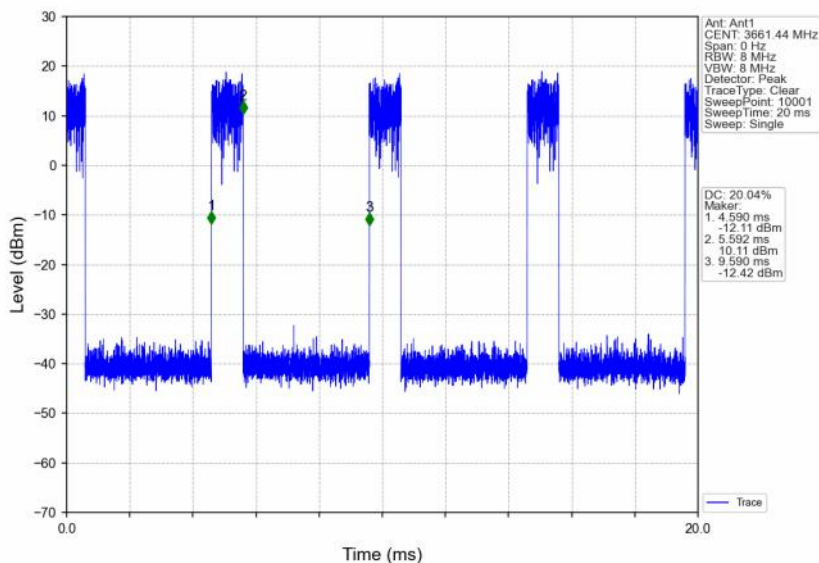


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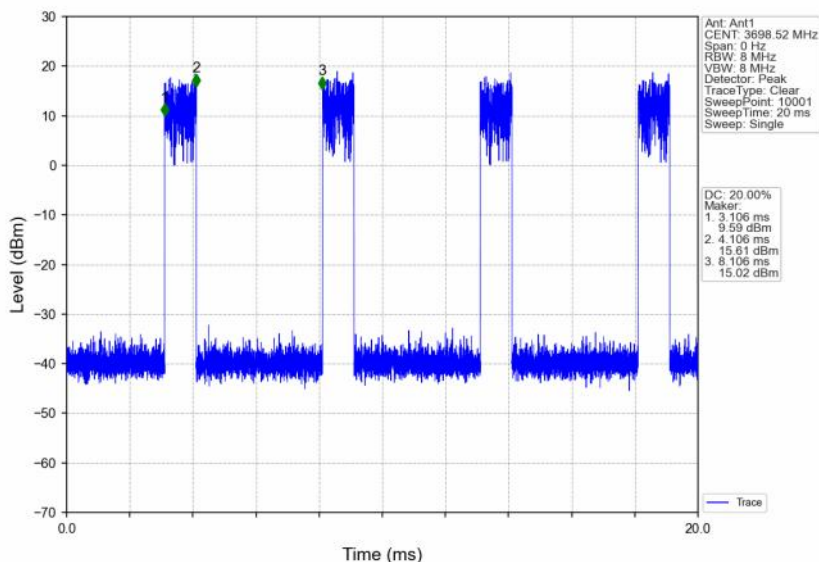
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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_256\_QAM\_3679.98MHz\_Inner\_1RB\_Left



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



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

### 2.1 30k\_SISO\_10MHz\_NTNV\_EIRP

#### 2.1.1 Test Result

| 5G NR n48 SCS=30kHz SISO 10MHz NTN |                 |                |                      |       |       |           |      |      |       |         |
|------------------------------------|-----------------|----------------|----------------------|-------|-------|-----------|------|------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation  | Conducted Power(dBm) |       |       | EIRP(dBm) |      |      |       | Verdict |
|                                    |                 |                | Ant1                 | Ant2  | Sum   | Ant1      | Ant2 | Sum  | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3555            | Edge_1RB_Left  | 15.65                | /     | /     | 18.75     | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 15.66                | /     | /     | 18.76     | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 15.73                | /     | /     | 18.83     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_Full     | 16.13                | /     | /     | 19.23     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 16.23                | /     | /     | 19.33     | /    | /    | <=23  | Pass    |
|                                    | Inner_1RB_Right | 16.30          | /                    | /     | 19.40 | /         | /    | <=23 | Pass  |         |
|                                    | 3624.99         | Edge_1RB_Left  | 16.07                | /     | /     | 19.17     | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 15.97                | /     | /     | 19.07     | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 16.08                | /     | /     | 19.18     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_Full     | 16.61                | /     | /     | 19.71     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 16.68                | /     | /     | 19.78     | /    | /    | <=23  | Pass    |
|                                    | Inner_1RB_Right | 16.55          | /                    | /     | 19.65 | /         | /    | <=23 | Pass  |         |
|                                    | 3694.98         | Edge_1RB_Left  | 15.46                | /     | /     | 18.56     | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 15.42                | /     | /     | 18.52     | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 15.48                | /     | /     | 18.58     | /    | /    | <=23  | Pass    |
| Inner_Full                         |                 | 16.02          | /                    | /     | 19.12 | /         | /    | <=23 | Pass  |         |
| Inner_1RB_Left                     |                 | 15.99          | /                    | /     | 19.09 | /         | /    | <=23 | Pass  |         |
| Inner_1RB_Right                    | 15.93           | /              | /                    | 19.03 | /     | /         | <=23 | Pass |       |         |
| DFT-s-OFDM QPSK                    | 3555            | Edge_1RB_Left  | 15.13                | /     | /     | 18.23     | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 15.14                | /     | /     | 18.24     | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 15.18                | /     | /     | 18.28     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_Full     | 16.30                | /     | /     | 19.40     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 16.06                | /     | /     | 19.16     | /    | /    | <=23  | Pass    |
|                                    | Inner_1RB_Right | 16.21          | /                    | /     | 19.31 | /         | /    | <=23 | Pass  |         |
|                                    | 3624.99         | Edge_1RB_Left  | 15.50                | /     | /     | 18.60     | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 15.45                | /     | /     | 18.55     | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 15.49                | /     | /     | 18.59     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_Full     | 16.73                | /     | /     | 19.83     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 16.60                | /     | /     | 19.70     | /    | /    | <=23  | Pass    |
|                                    | Inner_1RB_Right | 16.49          | /                    | /     | 19.59 | /         | /    | <=23 | Pass  |         |
|                                    | 3694.98         | Edge_1RB_Left  | 14.86                | /     | /     | 17.96     | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 14.83                | /     | /     | 17.93     | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 14.98                | /     | /     | 18.08     | /    | /    | <=23  | Pass    |
| Inner_Full                         |                 | 16.02          | /                    | /     | 19.12 | /         | /    | <=23 | Pass  |         |
| Inner_1RB_Left                     |                 | 15.91          | /                    | /     | 19.01 | /         | /    | <=23 | Pass  |         |
| Inner_1RB_Right                    | 15.95           | /              | /                    | 19.05 | /     | /         | <=23 | Pass |       |         |
| DFT-s-OFDM 16 QAM                  | 3555            | Edge_1RB_Left  | 14.18                | /     | /     | 17.28     | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 14.18                | /     | /     | 17.28     | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 14.22                | /     | /     | 17.32     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_Full     | 15.35                | /     | /     | 18.45     | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 15.32                | /     | /     | 18.42     | /    | /    | <=23  | Pass    |



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|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    | 3624.99 | Inner_1RB_Right | 15.46 | / | / | 18.56 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 14.47 | / | / | 17.57 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.59 | / | / | 17.69 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 14.48 | / | / | 17.58 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 15.46 | / | / | 18.56 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.57 | / | / | 18.67 | / | / | <=23 | Pass |
|                    | 3694.98 | Inner_1RB_Right | 15.43 | / | / | 18.53 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.99 | / | / | 17.09 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.90 | / | / | 17.00 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.88 | / | / | 16.98 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 14.96 | / | / | 18.06 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.06 | / | / | 18.16 | / | / | <=23 | Pass |
| DFT-s-OFDM 64 QAM  | 3555    | Inner_1RB_Right | 14.94 | / | / | 18.04 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.76 | / | / | 16.86 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.66 | / | / | 16.76 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.71 | / | / | 16.81 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 13.72 | / | / | 16.82 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 13.71 | / | / | 16.81 | / | / | <=23 | Pass |
|                    | 3624.99 | Inner_1RB_Right | 13.67 | / | / | 16.77 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.82 | / | / | 16.92 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.84 | / | / | 16.94 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 14.04 | / | / | 17.14 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 13.84 | / | / | 16.94 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 13.97 | / | / | 17.07 | / | / | <=23 | Pass |
|                    | 3694.98 | Inner_1RB_Right | 13.75 | / | / | 16.85 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.45 | / | / | 16.55 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.39 | / | / | 16.49 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.34 | / | / | 16.44 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 13.41 | / | / | 16.51 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 13.18 | / | / | 16.28 | / | / | <=23 | Pass |
| DFT-s-OFDM 256 QAM | 3555    | Inner_1RB_Right | 13.48 | / | / | 16.58 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 11.73 | / | / | 14.83 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 11.74 | / | / | 14.84 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 11.86 | / | / | 14.96 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 11.94 | / | / | 15.04 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 11.73 | / | / | 14.83 | / | / | <=23 | Pass |
|                    | 3624.99 | Inner_1RB_Right | 11.74 | / | / | 14.84 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 12.30 | / | / | 15.40 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 12.18 | / | / | 15.28 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 12.40 | / | / | 15.50 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 12.43 | / | / | 15.53 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 12.29 | / | / | 15.39 | / | / | <=23 | Pass |
|                    | 3694.98 | Inner_1RB_Right | 12.16 | / | / | 15.26 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 11.55 | / | / | 14.65 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 11.60 | / | / | 14.70 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 11.71 | / | / | 14.81 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 11.59 | / | / | 14.69 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 11.52 | / | / | 14.62 | / | / | <=23 | Pass |
| CP-OFDM QPSK       | 3555    | Inner_1RB_Right | 11.57 | / | / | 14.67 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.49 | / | / | 16.59 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.42 | / | / | 16.52 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.36 | / | / | 16.46 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 14.76 | / | / | 17.86 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 14.66 | / | / | 17.76 | / | / | <=23 | Pass |



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|                 |                |                 |                |       |   |       |       |   |      |      |      |
|-----------------|----------------|-----------------|----------------|-------|---|-------|-------|---|------|------|------|
|                 | 3624.99        | Inner_1RB_Right | 14.72          | /     | / | 17.82 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Left   | 13.92          | /     | / | 17.02 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 13.93          | /     | / | 17.03 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.85          | /     | / | 16.95 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 15.09          | /     | / | 18.19 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 15.22          | /     | / | 18.32 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 14.92          | /     | / | 18.02 | /     | / | <=23 | Pass |      |
|                 | 3694.98        | Edge_1RB_Left   | 13.20          | /     | / | 16.30 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 13.19          | /     | / | 16.29 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.25          | /     | / | 16.35 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 14.45          | /     | / | 17.55 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 14.43          | /     | / | 17.53 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 14.50          | /     | / | 17.60 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Left   | 13.45          | /     | / | 16.55 | /     | / | <=23 | Pass |      |
| CP-OFDM 16 QAM  | 3555           | Edge_1RB_Right  | 13.56          | /     | / | 16.66 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.46          | /     | / | 16.56 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 14.23          | /     | / | 17.33 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 14.28          | /     | / | 17.38 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 14.07          | /     | / | 17.17 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Left   | 13.92          | /     | / | 17.02 | /     | / | <=23 | Pass |      |
|                 | 3624.99        | Edge_1RB_Right  | 13.92          | /     | / | 17.02 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.96          | /     | / | 17.06 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 14.33          | /     | / | 17.43 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 14.42          | /     | / | 17.52 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 14.43          | /     | / | 17.53 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Left   | 13.17          | /     | / | 16.27 | /     | / | <=23 | Pass |      |
|                 | 3694.98        | Edge_1RB_Right  | 13.19          | /     | / | 16.29 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.12          | /     | / | 16.22 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 13.93          | /     | / | 17.03 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 13.77          | /     | / | 16.87 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 13.76          | /     | / | 16.86 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Left   | 12.87          | /     | / | 15.97 | /     | / | <=23 | Pass |      |
|                 | CP-OFDM 64 QAM | 3555            | Edge_1RB_Right | 13.11 | / | /     | 16.21 | / | /    | <=23 | Pass |
|                 |                |                 | Outer_Full     | 12.91 | / | /     | 16.01 | / | /    | <=23 | Pass |
|                 |                |                 | Inner_Full     | 12.94 | / | /     | 16.04 | / | /    | <=23 | Pass |
| Inner_1RB_Left  |                |                 | 12.95          | /     | / | 16.05 | /     | / | <=23 | Pass |      |
| Inner_1RB_Right |                |                 | 12.96          | /     | / | 16.06 | /     | / | <=23 | Pass |      |
| Edge_1RB_Left   |                |                 | 13.41          | /     | / | 16.51 | /     | / | <=23 | Pass |      |
| 3624.99         |                | Edge_1RB_Right  | 13.46          | /     | / | 16.56 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.49          | /     | / | 16.59 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 13.48          | /     | / | 16.58 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 13.34          | /     | / | 16.44 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 13.47          | /     | / | 16.57 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Left   | 12.85          | /     | / | 15.95 | /     | / | <=23 | Pass |      |
| 3694.98         |                | Edge_1RB_Right  | 12.78          | /     | / | 15.88 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 12.67          | /     | / | 15.77 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 12.78          | /     | / | 15.88 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 12.76          | /     | / | 15.86 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 12.85          | /     | / | 15.95 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Left   | 9.73           | /     | / | 12.83 | /     | / | <=23 | Pass |      |
| CP-OFDM 256 QAM |                | 3555            | Edge_1RB_Right | 9.72  | / | /     | 12.82 | / | /    | <=23 | Pass |
|                 |                |                 | Outer_Full     | 9.86  | / | /     | 12.96 | / | /    | <=23 | Pass |
|                 |                |                 | Inner_Full     | 9.81  | / | /     | 12.91 | / | /    | <=23 | Pass |
|                 | Inner_1RB_Left |                 | 9.71           | /     | / | 12.81 | /     | / | <=23 | Pass |      |
|                 | Edge_1RB_Left  |                 | 9.73           | /     | / | 12.83 | /     | / | <=23 | Pass |      |



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|  |         |   |       |   |   |       |   |   |      |      |
|--|---------|---|-------|---|---|-------|---|---|------|------|
|  | 3624.99 | Inner_1RB_Right   | 9.74  | / | / | 12.84 | / | / | <=23 | Pass |
|  |         | Edge_1RB_Left   | 10.28 | / | / | 13.38 | / | / | <=23 | Pass |
|  |         | Edge_1RB_Right  | 10.25 | / | / | 13.35 | / | / | <=23 | Pass |
|  |         | Outer_Full  | 10.40 | / | / | 13.50 | / | / | <=23 | Pass |
|  |         | Inner_Full  | 10.40 | / | / | 13.50 | / | / | <=23 | Pass |
|  |         | Inner_1RB_Left  | 10.32 | / | / | 13.42 | / | / | <=23 | Pass |
|  |         | Inner_1RB_Right   | 10.34 | / | / | 13.44 | / | / | <=23 | Pass |
|  | 3694.98 | Edge_1RB_Left   | 9.57  | / | / | 12.67 | / | / | <=23 | Pass |
|  |         | Edge_1RB_Right  | 9.58  | / | / | 12.68 | / | / | <=23 | Pass |
|  |         | Outer_Full  | 9.55  | / | / | 12.65 | / | / | <=23 | Pass |
|  |         | Inner_Full  | 9.64  | / | / | 12.74 | / | / | <=23 | Pass |
|  |         | Inner_1RB_Left  | 9.49  | / | / | 12.59 | / | / | <=23 | Pass |
|  |         | Inner_1RB_Right   | 9.60  | / | / | 12.70 | / | / | <=23 | Pass |
|  |         | Note1: Antenna Gain: Ant1: 3.10dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |       |   |   |       |   |   |      |      |

## 2.2 30k\_SISO\_10MHz\_NTNV\_EIRP/10MHz

### 2.2.1 Test Result

| 5G NR n48 SCS=30kHz SISO 10MHz NTV |                 |                 |                            |      |     |                 |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------------|------|-----|-----------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm/10MHz) |      |     | EIRP(dBm/10MHz) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                       | Ant2 | Sum | Ant1            | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3555            | Edge_1RB_Left   | 16.01                      | /    | /   | 19.11           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.57                      | /    | /   | 18.67           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 16.05                      | /    | /   | 19.15           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.27                      | /    | /   | 19.37           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.56                      | /    | /   | 19.66           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.79                      | /    | /   | 19.89           | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 16.35                      | /    | /   | 19.45           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 17.48                      | /    | /   | 20.58           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.72                      | /    | /   | 18.82           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 17.82                      | /    | /   | 20.92           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 17.87                      | /    | /   | 20.97           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 17.33                      | /    | /   | 20.43           | /    | /   | <=23  | Pass    |
|                                    | 3694.98         | Edge_1RB_Left   | 17.17                      | /    | /   | 20.27           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 17.00                      | /    | /   | 20.10           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.43                      | /    | /   | 18.53           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.60                      | /    | /   | 19.70           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.58                      | /    | /   | 19.68           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.86                      | /    | /   | 19.96           | /    | /   | <=23  | Pass    |
| DFT-s-OFDM QPSK                    | 3555            | Edge_1RB_Left   | 15.44                      | /    | /   | 18.54           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 16.13                      | /    | /   | 19.23           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.37                      | /    | /   | 18.47           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.85                      | /    | /   | 19.95           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 15.61                      | /    | /   | 18.71           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 15.93                      | /    | /   | 19.03           | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 16.05                      | /    | /   | 19.15           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 16.81                      | /    | /   | 19.91           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 16.22                      | /    | /   | 19.32           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 17.17                      | /    | /   | 20.27           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.20                      | /    | /   | 19.30           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.20                      | /    | /   | 19.30           | /    | /   | <=23  | Pass    |



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|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    | 3694.98 | Inner_1RB_Right | 17.11 | / | / | 20.21 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 15.69 | / | / | 18.79 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 15.43 | / | / | 18.53 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 16.39 | / | / | 19.49 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 16.08 | / | / | 19.18 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 16.02 | / | / | 19.12 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 16.86 | / | / | 19.96 | / | / | <=23 | Pass |
| DFT-s-OFDM 16 QAM  | 3555    | Edge_1RB_Left   | 14.55 | / | / | 17.65 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.28 | / | / | 17.38 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 14.60 | / | / | 17.70 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 14.29 | / | / | 17.39 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.87 | / | / | 18.97 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 15.82 | / | / | 18.92 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 14.89 | / | / | 17.99 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.71 | / | / | 17.81 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 14.11 | / | / | 17.21 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 16.31 | / | / | 19.41 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 16.02 | / | / | 19.12 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 17.74 | / | / | 20.84 | / | / | <=23 | Pass |
|                    | 3694.98 | Edge_1RB_Left   | 14.39 | / | / | 17.49 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 15.98 | / | / | 19.08 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 15.83 | / | / | 18.93 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 16.28 | / | / | 19.38 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.15 | / | / | 18.25 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 17.07 | / | / | 20.17 | / | / | <=23 | Pass |
| DFT-s-OFDM 64 QAM  | 3555    | Edge_1RB_Left   | 14.41 | / | / | 17.51 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.39 | / | / | 17.49 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.63 | / | / | 16.73 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 13.56 | / | / | 16.66 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 14.14 | / | / | 17.24 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 14.70 | / | / | 17.80 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 13.13 | / | / | 16.23 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.32 | / | / | 17.42 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 15.30 | / | / | 18.40 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 15.67 | / | / | 18.77 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 14.98 | / | / | 18.08 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 14.34 | / | / | 17.44 | / | / | <=23 | Pass |
|                    | 3694.98 | Edge_1RB_Left   | 14.51 | / | / | 17.61 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.47 | / | / | 17.57 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 15.42 | / | / | 18.52 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 14.11 | / | / | 17.21 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 14.66 | / | / | 17.76 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 15.05 | / | / | 18.15 | / | / | <=23 | Pass |
| DFT-s-OFDM 256 QAM | 3555    | Edge_1RB_Left   | 11.32 | / | / | 14.42 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 11.44 | / | / | 14.54 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 11.74 | / | / | 14.84 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 11.84 | / | / | 14.94 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 12.70 | / | / | 15.80 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 11.84 | / | / | 14.94 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 11.20 | / | / | 14.30 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.20 | / | / | 16.30 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.39 | / | / | 16.49 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 12.55 | / | / | 15.65 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 11.54 | / | / | 14.64 | / | / | <=23 | Pass |



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|                 |                |                 |                |       |   |       |       |   |      |      |      |
|-----------------|----------------|-----------------|----------------|-------|---|-------|-------|---|------|------|------|
|                 | 3694.98        | Inner_1RB_Right | 12.63          | /     | / | 15.73 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Left   | 12.99          | /     | / | 16.09 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 12.75          | /     | / | 15.85 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 11.58          | /     | / | 14.68 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 12.02          | /     | / | 15.12 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 11.44          | /     | / | 14.54 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 11.91          | /     | / | 15.01 | /     | / | <=23 | Pass |      |
| CP-OFDM QPSK    | 3555           | Edge_1RB_Left   | 13.01          | /     | / | 16.11 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 13.21          | /     | / | 16.31 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.18          | /     | / | 16.28 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 14.60          | /     | / | 17.70 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 15.78          | /     | / | 18.88 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 14.29          | /     | / | 17.39 | /     | / | <=23 | Pass |      |
|                 | 3624.99        | Edge_1RB_Left   | 14.81          | /     | / | 17.91 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 13.83          | /     | / | 16.93 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 14.20          | /     | / | 17.30 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 15.54          | /     | / | 18.64 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 14.79          | /     | / | 17.89 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 17.32          | /     | / | 20.42 | /     | / | <=23 | Pass |      |
|                 | 3694.98        | Edge_1RB_Left   | 13.72          | /     | / | 16.82 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 13.91          | /     | / | 17.01 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 14.80          | /     | / | 17.90 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 16.12          | /     | / | 19.22 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 15.69          | /     | / | 18.79 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 15.55          | /     | / | 18.65 | /     | / | <=23 | Pass |      |
|                 | CP-OFDM 16 QAM | 3555            | Edge_1RB_Left  | 13.81 | / | /     | 16.91 | / | /    | <=23 | Pass |
|                 |                |                 | Edge_1RB_Right | 14.63 | / | /     | 17.73 | / | /    | <=23 | Pass |
|                 |                |                 | Outer_Full     | 11.78 | / | /     | 14.88 | / | /    | <=23 | Pass |
| Inner_Full      |                |                 | 15.32          | /     | / | 18.42 | /     | / | <=23 | Pass |      |
| Inner_1RB_Left  |                |                 | 14.49          | /     | / | 17.59 | /     | / | <=23 | Pass |      |
| Inner_1RB_Right |                |                 | 14.86          | /     | / | 17.96 | /     | / | <=23 | Pass |      |
| 3624.99         |                | Edge_1RB_Left   | 15.43          | /     | / | 18.53 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 13.96          | /     | / | 17.06 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 14.18          | /     | / | 17.28 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 15.21          | /     | / | 18.31 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 15.98          | /     | / | 19.08 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 14.93          | /     | / | 18.03 | /     | / | <=23 | Pass |      |
| 3694.98         |                | Edge_1RB_Left   | 14.29          | /     | / | 17.39 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 12.41          | /     | / | 15.51 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.72          | /     | / | 16.82 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 13.49          | /     | / | 16.59 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 13.83          | /     | / | 16.93 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 13.09          | /     | / | 16.19 | /     | / | <=23 | Pass |      |
| CP-OFDM 64 QAM  | 3555           | Edge_1RB_Left   | 12.90          | /     | / | 16.00 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 13.48          | /     | / | 16.58 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.74          | /     | / | 16.84 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 12.37          | /     | / | 15.47 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 13.32          | /     | / | 16.42 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Right | 12.92          | /     | / | 16.02 | /     | / | <=23 | Pass |      |
|                 | 3624.99        | Edge_1RB_Left   | 14.26          | /     | / | 17.36 | /     | / | <=23 | Pass |      |
|                 |                | Edge_1RB_Right  | 15.29          | /     | / | 18.39 | /     | / | <=23 | Pass |      |
|                 |                | Outer_Full      | 13.71          | /     | / | 16.81 | /     | / | <=23 | Pass |      |
|                 |                | Inner_Full      | 14.85          | /     | / | 17.95 | /     | / | <=23 | Pass |      |
|                 |                | Inner_1RB_Left  | 13.16          | /     | / | 16.26 | /     | / | <=23 | Pass |      |



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|                 |   |                 |               |       |       |       |       |      |      |      |
|-----------------|---|-----------------|---------------|-------|-------|-------|-------|------|------|------|
| CP-OFDM 256 QAM | 3694.98   | Inner_1RB_Right | 15.03         | /     | /     | 18.13 | /     | /    | <=23 | Pass |
|                 |   | Edge_1RB_Left   | 13.35         | /     | /     | 16.45 | /     | /    | <=23 | Pass |
|                 |   | Edge_1RB_Right  | 13.94         | /     | /     | 17.04 | /     | /    | <=23 | Pass |
|                 |   | Outer_Full      | 13.32         | /     | /     | 16.42 | /     | /    | <=23 | Pass |
|                 |   | Inner_Full      | 12.72         | /     | /     | 15.82 | /     | /    | <=23 | Pass |
|                 |   | Inner_1RB_Left  | 13.14         | /     | /     | 16.24 | /     | /    | <=23 | Pass |
|                 |   | Inner_1RB_Right | 12.64         | /     | /     | 15.74 | /     | /    | <=23 | Pass |
|                 | 3555  | Edge_1RB_Left   | 9.93          | /     | /     | 13.03 | /     | /    | <=23 | Pass |
|                 |   | Edge_1RB_Right  | 9.60          | /     | /     | 12.70 | /     | /    | <=23 | Pass |
|                 |   | Outer_Full      | 9.71          | /     | /     | 12.81 | /     | /    | <=23 | Pass |
|                 |   | Inner_Full      | 10.56         | /     | /     | 13.66 | /     | /    | <=23 | Pass |
|                 |   | Inner_1RB_Left  | 9.60          | /     | /     | 12.70 | /     | /    | <=23 | Pass |
|                 |   | Inner_1RB_Right | 9.50          | /     | /     | 12.60 | /     | /    | <=23 | Pass |
|                 |   | 3624.99         | Edge_1RB_Left | 10.23 | /     | /     | 13.33 | /    | /    | <=23 |
| Edge_1RB_Right  | 11.30   |                 | /             | /     | 14.40 | /     | /     | <=23 | Pass |      |
| Outer_Full      | 11.61   |                 | /             | /     | 14.71 | /     | /     | <=23 | Pass |      |
| Inner_Full      | 10.87   |                 | /             | /     | 13.97 | /     | /     | <=23 | Pass |      |
| Inner_1RB_Left  | 10.28   |                 | /             | /     | 13.38 | /     | /     | <=23 | Pass |      |
| Inner_1RB_Right | 10.52   |                 | /             | /     | 13.62 | /     | /     | <=23 | Pass |      |
| 3694.98         | Edge_1RB_Left   |                 | 10.12         | /     | /     | 13.22 | /     | /    | <=23 | Pass |
|                 | Edge_1RB_Right  | 10.77           | /             | /     | 13.87 | /     | /     | <=23 | Pass |      |
|                 | Outer_Full  | 9.10            | /             | /     | 12.20 | /     | /     | <=23 | Pass |      |
|                 | Inner_Full  | 10.82           | /             | /     | 13.92 | /     | /     | <=23 | Pass |      |
|                 | Inner_1RB_Left  | 8.70            | /             | /     | 11.80 | /     | /     | <=23 | Pass |      |
|                 | Inner_1RB_Right   | 11.22           | /             | /     | 14.32 | /     | /     | <=23 | Pass |      |
|                 | Note1: Antenna Gain: Ant1: 3.10dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |               |       |       |       |       |      |      |      |

### 2.3 30k\_SISO\_20MHz\_NTNV\_EIRP

#### 2.3.1 Test Result

| 5G NR n48 SCS=30kHz SISO 20MHz NTNv |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3560.01         | Edge_1RB_Left   | 15.96                | /    | /   | 19.06     | /    | /   | <=23  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.11                | /    | /   | 19.21     | /    | /   | <=23  | Pass    |
|                                     |                 | Outer_Full      | 16.08                | /    | /   | 19.18     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_Full      | 16.51                | /    | /   | 19.61     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1RB_Left  | 16.48                | /    | /   | 19.58     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1RB_Right | 16.57                | /    | /   | 19.67     | /    | /   | <=23  | Pass    |
|                                     | 3624.99         | Edge_1RB_Left   | 16.38                | /    | /   | 19.48     | /    | /   | <=23  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.21                | /    | /   | 19.31     | /    | /   | <=23  | Pass    |
|                                     |                 | Outer_Full      | 16.46                | /    | /   | 19.56     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_Full      | 16.89                | /    | /   | 19.99     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1RB_Left  | 16.87                | /    | /   | 19.97     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1RB_Right | 16.80                | /    | /   | 19.90     | /    | /   | <=23  | Pass    |
|                                     | 3690            | Edge_1RB_Left   | 15.43                | /    | /   | 18.53     | /    | /   | <=23  | Pass    |
|                                     |                 | Edge_1RB_Right  | 15.58                | /    | /   | 18.68     | /    | /   | <=23  | Pass    |
|                                     |                 | Outer_Full      | 15.56                | /    | /   | 18.66     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_Full      | 16.02                | /    | /   | 19.12     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1RB_Left  | 16.00                | /    | /   | 19.10     | /    | /   | <=23  | Pass    |



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|                   |         |                 |       |   |   |       |   |   |      |      |
|-------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM QPSK   | 3560.01 | Inner_1RB_Right | 16.07 | / | / | 19.17 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 15.56 | / | / | 18.66 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 15.54 | / | / | 18.64 | / | / | <=23 | Pass |
|                   |         | Outer_Full      | 15.49 | / | / | 18.59 | / | / | <=23 | Pass |
|                   |         | Inner_Full      | 16.66 | / | / | 19.76 | / | / | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 16.57 | / | / | 19.67 | / | / | <=23 | Pass |
|                   | 3624.99 | Inner_1RB_Right | 16.67 | / | / | 19.77 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 15.89 | / | / | 18.99 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 15.70 | / | / | 18.80 | / | / | <=23 | Pass |
|                   |         | Outer_Full      | 15.79 | / | / | 18.89 | / | / | <=23 | Pass |
|                   |         | Inner_Full      | 16.80 | / | / | 19.90 | / | / | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 16.90 | / | / | 20.00 | / | / | <=23 | Pass |
|                   | 3690    | Inner_1RB_Right | 16.75 | / | / | 19.85 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 14.85 | / | / | 17.95 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 15.01 | / | / | 18.11 | / | / | <=23 | Pass |
|                   |         | Outer_Full      | 15.04 | / | / | 18.14 | / | / | <=23 | Pass |
|                   |         | Inner_Full      | 16.10 | / | / | 19.20 | / | / | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 15.96 | / | / | 19.06 | / | / | <=23 | Pass |
| DFT-s-OFDM 16 QAM | 3560.01 | Inner_1RB_Right | 16.05 | / | / | 19.15 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 14.58 | / | / | 17.68 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 14.60 | / | / | 17.70 | / | / | <=23 | Pass |
|                   |         | Outer_Full      | 14.54 | / | / | 17.64 | / | / | <=23 | Pass |
|                   |         | Inner_Full      | 15.62 | / | / | 18.72 | / | / | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 15.62 | / | / | 18.72 | / | / | <=23 | Pass |
|                   | 3624.99 | Inner_1RB_Right | 15.80 | / | / | 18.90 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 14.93 | / | / | 18.03 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 14.71 | / | / | 17.81 | / | / | <=23 | Pass |
|                   |         | Outer_Full      | 14.71 | / | / | 17.81 | / | / | <=23 | Pass |
|                   |         | Inner_Full      | 15.83 | / | / | 18.93 | / | / | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 15.96 | / | / | 19.06 | / | / | <=23 | Pass |
|                   | 3690    | Inner_1RB_Right | 15.81 | / | / | 18.91 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 14.06 | / | / | 17.16 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 14.13 | / | / | 17.23 | / | / | <=23 | Pass |
|                   |         | Outer_Full      | 13.99 | / | / | 17.09 | / | / | <=23 | Pass |
|                   |         | Inner_Full      | 15.01 | / | / | 18.11 | / | / | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 15.06 | / | / | 18.16 | / | / | <=23 | Pass |
| DFT-s-OFDM 64 QAM | 3560.01 | Inner_1RB_Right | 15.18 | / | / | 18.28 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 13.93 | / | / | 17.03 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 14.09 | / | / | 17.19 | / | / | <=23 | Pass |
|                   |         | Outer_Full      | 13.99 | / | / | 17.09 | / | / | <=23 | Pass |
|                   |         | Inner_Full      | 14.01 | / | / | 17.11 | / | / | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 13.91 | / | / | 17.01 | / | / | <=23 | Pass |
|                   | 3624.99 | Inner_1RB_Right | 14.04 | / | / | 17.14 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 14.32 | / | / | 17.42 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 14.16 | / | / | 17.26 | / | / | <=23 | Pass |
|                   |         | Outer_Full      | 14.31 | / | / | 17.41 | / | / | <=23 | Pass |
|                   |         | Inner_Full      | 14.11 | / | / | 17.21 | / | / | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 14.36 | / | / | 17.46 | / | / | <=23 | Pass |
|                   | 3690    | Inner_1RB_Right | 14.12 | / | / | 17.22 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 13.50 | / | / | 16.60 | / | / | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 13.59 | / | / | 16.69 | / | / | <=23 | Pass |
|                   |         | Outer_Full      | 13.48 | / | / | 16.58 | / | / | <=23 | Pass |
|                   |         | Inner_Full      | 13.37 | / | / | 16.47 | / | / | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 13.40 | / | / | 16.50 | / | / | <=23 | Pass |



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|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM 256 QAM | 3560.01 | Inner_1RB_Right | 13.57 | / | / | 16.67 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 12.08 | / | / | 15.18 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 12.23 | / | / | 15.33 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 12.29 | / | / | 15.39 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 12.31 | / | / | 15.41 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 12.11 | / | / | 15.21 | / | / | <=23 | Pass |
|                    | 3624.99 | Inner_1RB_Right | 12.08 | / | / | 15.18 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 12.66 | / | / | 15.76 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 12.41 | / | / | 15.51 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 12.62 | / | / | 15.72 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 12.67 | / | / | 15.77 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 12.44 | / | / | 15.54 | / | / | <=23 | Pass |
|                    | 3690    | Inner_1RB_Right | 12.35 | / | / | 15.45 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 11.51 | / | / | 14.61 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 11.68 | / | / | 14.78 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 11.74 | / | / | 14.84 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 11.78 | / | / | 14.88 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 11.58 | / | / | 14.68 | / | / | <=23 | Pass |
| CP-OFDM QPSK       | 3560.01 | Inner_1RB_Right | 11.71 | / | / | 14.81 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.74 | / | / | 16.84 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.89 | / | / | 16.99 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.74 | / | / | 16.84 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 15.07 | / | / | 18.17 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.07 | / | / | 18.17 | / | / | <=23 | Pass |
|                    | 3624.99 | Inner_1RB_Right | 15.16 | / | / | 18.26 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 14.20 | / | / | 17.30 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.13 | / | / | 17.23 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 14.16 | / | / | 17.26 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 15.34 | / | / | 18.44 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.31 | / | / | 18.41 | / | / | <=23 | Pass |
|                    | 3690    | Inner_1RB_Right | 15.32 | / | / | 18.42 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.20 | / | / | 16.30 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.39 | / | / | 16.49 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.27 | / | / | 16.37 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 14.52 | / | / | 17.62 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 14.52 | / | / | 17.62 | / | / | <=23 | Pass |
| CP-OFDM 16 QAM     | 3560.01 | Inner_1RB_Right | 14.57 | / | / | 17.67 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.66 | / | / | 16.76 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.76 | / | / | 16.86 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.86 | / | / | 16.96 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 14.56 | / | / | 17.66 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 14.32 | / | / | 17.42 | / | / | <=23 | Pass |
|                    | 3624.99 | Inner_1RB_Right | 14.43 | / | / | 17.53 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 14.18 | / | / | 17.28 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.16 | / | / | 17.26 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 14.16 | / | / | 17.26 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 14.88 | / | / | 17.98 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 14.81 | / | / | 17.91 | / | / | <=23 | Pass |
|                    | 3690    | Inner_1RB_Right | 14.76 | / | / | 17.86 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.05 | / | / | 16.15 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 13.25 | / | / | 16.35 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 13.28 | / | / | 16.38 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 13.97 | / | / | 17.07 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 13.79 | / | / | 16.89 | / | / | <=23 | Pass |



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|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM 64 QAM  | 3560.01 | Inner_1RB_Right | 13.92 | / | / | 17.02 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Left   | 13.34 | / | / | 16.44 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 13.47 | / | / | 16.57 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 13.21 | / | / | 16.31 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 13.27 | / | / | 16.37 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 13.33 | / | / | 16.43 | / | / | <=23 | Pass |
|                 | 3624.99 | Inner_1RB_Right | 13.47 | / | / | 16.57 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Left   | 13.84 | / | / | 16.94 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 13.77 | / | / | 16.87 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 13.60 | / | / | 16.70 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 13.65 | / | / | 16.75 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 13.80 | / | / | 16.90 | / | / | <=23 | Pass |
|                 | 3690    | Inner_1RB_Right | 13.78 | / | / | 16.88 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Left   | 12.63 | / | / | 15.73 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 12.89 | / | / | 15.99 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 12.71 | / | / | 15.81 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 12.74 | / | / | 15.84 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 12.79 | / | / | 15.89 | / | / | <=23 | Pass |
| CP-OFDM 256 QAM | 3560.01 | Inner_1RB_Right | 12.93 | / | / | 16.03 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Left   | 10.27 | / | / | 13.37 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 10.27 | / | / | 13.37 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 10.25 | / | / | 13.35 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 10.17 | / | / | 13.27 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 10.10 | / | / | 13.20 | / | / | <=23 | Pass |
|                 | 3624.99 | Inner_1RB_Right | 10.19 | / | / | 13.29 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Left   | 10.60 | / | / | 13.70 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 10.32 | / | / | 13.42 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 10.57 | / | / | 13.67 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 10.52 | / | / | 13.62 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 10.42 | / | / | 13.52 | / | / | <=23 | Pass |
|                 | 3690    | Inner_1RB_Right | 10.35 | / | / | 13.45 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Left   | 9.49  | / | / | 12.59 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 9.62  | / | / | 12.72 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 9.76  | / | / | 12.86 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 9.72  | / | / | 12.82 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 9.59  | / | / | 12.69 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 9.70  | / | / | 12.80 | / | / | <=23 | Pass |

Note1: Antenna Gain: Ant1: 3.10dBi;  
Note2: EIRP=Conducted Power+Antenna Gain

2.4 30k\_SISO\_20MHz\_NTNV\_EIRP/10MHz

2.4.1 Test Result

| 5G NR n48 SCS=30kHz SISO 20MHz NTN |                 |                |                            |      |     |                 |      |     |       |         |
|------------------------------------|-----------------|----------------|----------------------------|------|-----|-----------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation  | Conducted Power(dBm/10MHz) |      |     | EIRP(dBm/10MHz) |      |     |       | Verdict |
|                                    |                 |                | Ant1                       | Ant2 | Sum | Ant1            | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3560.01         | Edge_1RB_Left  | 16.62                      | /    | /   | 19.72           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 16.15                      | /    | /   | 19.25           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full     | 13.43                      | /    | /   | 16.53           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full     | 17.95                      | /    | /   | 21.05           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 15.94                      | /    | /   | 19.04           | /    | /   | <=23  | Pass    |



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|                   |                 |                 |         |               |       |       |   |       |      |      |
|-------------------|-----------------|-----------------|---------|---------------|-------|-------|---|-------|------|------|
|                   | 3624.99         | Inner_1RB_Right | 16.71   | /             | /     | 19.81 | / | /     | <=23 | Pass |
|                   |                 | Edge_1RB_Left   | 16.93   | /             | /     | 20.03 | / | /     | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 16.28   | /             | /     | 19.38 | / | /     | <=23 | Pass |
|                   |                 | Outer_Full      | 15.00   | /             | /     | 18.10 | / | /     | <=23 | Pass |
|                   |                 | Inner_Full      | 18.84   | /             | /     | 21.94 | / | /     | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 18.10   | /             | /     | 21.20 | / | /     | <=23 | Pass |
|                   |                 | Inner_1RB_Right | 16.68   | /             | /     | 19.78 | / | /     | <=23 | Pass |
|                   | 3690            | Edge_1RB_Left   | 18.06   | /             | /     | 21.16 | / | /     | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 16.62   | /             | /     | 19.72 | / | /     | <=23 | Pass |
|                   |                 | Outer_Full      | 13.48   | /             | /     | 16.58 | / | /     | <=23 | Pass |
|                   |                 | Inner_Full      | 18.18   | /             | /     | 21.28 | / | /     | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 18.11   | /             | /     | 21.21 | / | /     | <=23 | Pass |
|                   |                 | Inner_1RB_Right | 16.87   | /             | /     | 19.97 | / | /     | <=23 | Pass |
|                   |                 | DFT-s-OFDM QPSK | 3560.01 | Edge_1RB_Left | 15.22 | /     | / | 18.32 | /    | /    |
| Edge_1RB_Right    | 16.41           |                 |         | /             | /     | 19.51 | / | /     | <=23 | Pass |
| Outer_Full        | 12.75           |                 |         | /             | /     | 15.85 | / | /     | <=23 | Pass |
| Inner_Full        | 16.26           |                 |         | /             | /     | 19.36 | / | /     | <=23 | Pass |
| Inner_1RB_Left    | 17.44           |                 |         | /             | /     | 20.54 | / | /     | <=23 | Pass |
| Inner_1RB_Right   | 16.42           |                 |         | /             | /     | 19.52 | / | /     | <=23 | Pass |
| 3624.99           | Edge_1RB_Left   |                 | 17.35   | /             | /     | 20.45 | / | /     | <=23 | Pass |
|                   | Edge_1RB_Right  |                 | 17.09   | /             | /     | 20.19 | / | /     | <=23 | Pass |
|                   | Outer_Full      |                 | 14.52   | /             | /     | 17.62 | / | /     | <=23 | Pass |
|                   | Inner_Full      |                 | 17.95   | /             | /     | 21.05 | / | /     | <=23 | Pass |
|                   | Inner_1RB_Left  |                 | 17.95   | /             | /     | 21.05 | / | /     | <=23 | Pass |
|                   | Inner_1RB_Right |                 | 17.52   | /             | /     | 20.62 | / | /     | <=23 | Pass |
| 3690              | Edge_1RB_Left   |                 | 16.99   | /             | /     | 20.09 | / | /     | <=23 | Pass |
|                   | Edge_1RB_Right  |                 | 15.63   | /             | /     | 18.73 | / | /     | <=23 | Pass |
|                   | Outer_Full      | 13.48           | /       | /             | 16.58 | /     | / | <=23  | Pass |      |
|                   | Inner_Full      | 17.26           | /       | /             | 20.36 | /     | / | <=23  | Pass |      |
|                   | Inner_1RB_Left  | 16.92           | /       | /             | 20.02 | /     | / | <=23  | Pass |      |
|                   | Inner_1RB_Right | 17.80           | /       | /             | 20.90 | /     | / | <=23  | Pass |      |
| DFT-s-OFDM 16 QAM | 3560.01         | Edge_1RB_Left   | 14.54   | /             | /     | 17.64 | / | /     | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 14.76   | /             | /     | 17.86 | / | /     | <=23 | Pass |
|                   |                 | Outer_Full      | 12.34   | /             | /     | 15.44 | / | /     | <=23 | Pass |
|                   |                 | Inner_Full      | 15.76   | /             | /     | 18.86 | / | /     | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 16.41   | /             | /     | 19.51 | / | /     | <=23 | Pass |
|                   |                 | Inner_1RB_Right | 16.97   | /             | /     | 20.07 | / | /     | <=23 | Pass |
|                   | 3624.99         | Edge_1RB_Left   | 16.24   | /             | /     | 19.34 | / | /     | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 14.89   | /             | /     | 17.99 | / | /     | <=23 | Pass |
|                   |                 | Outer_Full      | 13.81   | /             | /     | 16.91 | / | /     | <=23 | Pass |
|                   |                 | Inner_Full      | 17.40   | /             | /     | 20.50 | / | /     | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 17.52   | /             | /     | 20.62 | / | /     | <=23 | Pass |
|                   |                 | Inner_1RB_Right | 17.83   | /             | /     | 20.93 | / | /     | <=23 | Pass |
|                   | 3690            | Edge_1RB_Left   | 15.71   | /             | /     | 18.81 | / | /     | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 14.98   | /             | /     | 18.08 | / | /     | <=23 | Pass |
| Outer_Full        |                 | 13.39           | /       | /             | 16.49 | /     | / | <=23  | Pass |      |
| Inner_Full        |                 | 15.39           | /       | /             | 18.49 | /     | / | <=23  | Pass |      |
| Inner_1RB_Left    |                 | 16.37           | /       | /             | 19.47 | /     | / | <=23  | Pass |      |
| Inner_1RB_Right   |                 | 16.28           | /       | /             | 19.38 | /     | / | <=23  | Pass |      |
| DFT-s-OFDM 64 QAM | 3560.01         | Edge_1RB_Left   | 14.49   | /             | /     | 17.59 | / | /     | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 14.82   | /             | /     | 17.92 | / | /     | <=23 | Pass |
|                   |                 | Outer_Full      | 11.74   | /             | /     | 14.84 | / | /     | <=23 | Pass |
|                   |                 | Inner_Full      | 13.62   | /             | /     | 16.72 | / | /     | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 15.60   | /             | /     | 18.70 | / | /     | <=23 | Pass |



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|                 |                 |                    |         |               |       |       |   |       |      |      |
|-----------------|-----------------|--------------------|---------|---------------|-------|-------|---|-------|------|------|
|                 | 3624.99         | Inner_1RB_Right    | 13.30   | /             | /     | 16.40 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Left      | 15.91   | /             | /     | 19.01 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right     | 16.16   | /             | /     | 19.26 | / | /     | <=23 | Pass |
|                 |                 | Outer_Full         | 12.72   | /             | /     | 15.82 | / | /     | <=23 | Pass |
|                 |                 | Inner_Full         | 14.76   | /             | /     | 17.86 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Left     | 15.08   | /             | /     | 18.18 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Right    | 15.86   | /             | /     | 18.96 | / | /     | <=23 | Pass |
|                 | 3690            | Edge_1RB_Left      | 14.65   | /             | /     | 17.75 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right     | 15.37   | /             | /     | 18.47 | / | /     | <=23 | Pass |
|                 |                 | Outer_Full         | 12.62   | /             | /     | 15.72 | / | /     | <=23 | Pass |
|                 |                 | Inner_Full         | 14.70   | /             | /     | 17.80 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Left     | 15.96   | /             | /     | 19.06 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Right    | 14.94   | /             | /     | 18.04 | / | /     | <=23 | Pass |
|                 |                 | DFT-s-OFDM 256 QAM | 3560.01 | Edge_1RB_Left | 11.50 | /     | / | 14.60 | /    | /    |
| Edge_1RB_Right  | 12.39           |                    |         | /             | /     | 15.49 | / | /     | <=23 | Pass |
| Outer_Full      | 9.39            |                    |         | /             | /     | 12.49 | / | /     | <=23 | Pass |
| Inner_Full      | 12.16           |                    |         | /             | /     | 15.26 | / | /     | <=23 | Pass |
| Inner_1RB_Left  | 12.62           |                    |         | /             | /     | 15.72 | / | /     | <=23 | Pass |
| Inner_1RB_Right | 13.18           |                    |         | /             | /     | 16.28 | / | /     | <=23 | Pass |
| 3624.99         | Edge_1RB_Left   |                    | 14.77   | /             | /     | 17.87 | / | /     | <=23 | Pass |
|                 | Edge_1RB_Right  |                    | 13.48   | /             | /     | 16.58 | / | /     | <=23 | Pass |
|                 | Outer_Full      |                    | 11.59   | /             | /     | 14.69 | / | /     | <=23 | Pass |
|                 | Inner_Full      |                    | 13.32   | /             | /     | 16.42 | / | /     | <=23 | Pass |
|                 | Inner_1RB_Left  |                    | 14.98   | /             | /     | 18.08 | / | /     | <=23 | Pass |
|                 | Inner_1RB_Right |                    | 12.64   | /             | /     | 15.74 | / | /     | <=23 | Pass |
| 3690            | Edge_1RB_Left   |                    | 12.95   | /             | /     | 16.05 | / | /     | <=23 | Pass |
|                 | Edge_1RB_Right  |                    | 13.68   | /             | /     | 16.78 | / | /     | <=23 | Pass |
|                 | Outer_Full      | 11.67              | /       | /             | 14.77 | /     | / | <=23  | Pass |      |
|                 | Inner_Full      | 13.16              | /       | /             | 16.26 | /     | / | <=23  | Pass |      |
|                 | Inner_1RB_Left  | 13.59              | /       | /             | 16.69 | /     | / | <=23  | Pass |      |
|                 | Inner_1RB_Right | 13.55              | /       | /             | 16.65 | /     | / | <=23  | Pass |      |
| CP-OFDM QPSK    | 3560.01         | Edge_1RB_Left      | 13.53   | /             | /     | 16.63 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right     | 14.04   | /             | /     | 17.14 | / | /     | <=23 | Pass |
|                 |                 | Outer_Full         | 10.95   | /             | /     | 14.05 | / | /     | <=23 | Pass |
|                 |                 | Inner_Full         | 14.61   | /             | /     | 17.71 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Left     | 16.24   | /             | /     | 19.34 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Right    | 16.17   | /             | /     | 19.27 | / | /     | <=23 | Pass |
|                 | 3624.99         | Edge_1RB_Left      | 12.72   | /             | /     | 15.82 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right     | 13.79   | /             | /     | 16.89 | / | /     | <=23 | Pass |
|                 |                 | Outer_Full         | 11.74   | /             | /     | 14.84 | / | /     | <=23 | Pass |
|                 |                 | Inner_Full         | 15.93   | /             | /     | 19.03 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Left     | 15.86   | /             | /     | 18.96 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Right    | 14.80   | /             | /     | 17.90 | / | /     | <=23 | Pass |
|                 | 3690            | Edge_1RB_Left      | 15.52   | /             | /     | 18.62 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right     | 15.07   | /             | /     | 18.17 | / | /     | <=23 | Pass |
| Outer_Full      |                 | 11.80              | /       | /             | 14.90 | /     | / | <=23  | Pass |      |
| Inner_Full      |                 | 16.13              | /       | /             | 19.23 | /     | / | <=23  | Pass |      |
| Inner_1RB_Left  |                 | 15.52              | /       | /             | 18.62 | /     | / | <=23  | Pass |      |
| Inner_1RB_Right |                 | 15.54              | /       | /             | 18.64 | /     | / | <=23  | Pass |      |
| CP-OFDM 16 QAM  | 3560.01         | Edge_1RB_Left      | 15.12   | /             | /     | 18.22 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right     | 14.11   | /             | /     | 17.21 | / | /     | <=23 | Pass |
|                 |                 | Outer_Full         | 11.13   | /             | /     | 14.23 | / | /     | <=23 | Pass |
|                 |                 | Inner_Full         | 15.34   | /             | /     | 18.44 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Left     | 13.64   | /             | /     | 16.74 | / | /     | <=23 | Pass |



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|                 |                 |                 |         |               |       |       |   |       |      |      |
|-----------------|-----------------|-----------------|---------|---------------|-------|-------|---|-------|------|------|
|                 | 3624.99         | Inner_1RB_Right | 15.20   | /             | /     | 18.30 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Left   | 16.32   | /             | /     | 19.42 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right  | 16.98   | /             | /     | 20.08 | / | /     | <=23 | Pass |
|                 |                 | Outer_Full      | 13.08   | /             | /     | 16.18 | / | /     | <=23 | Pass |
|                 |                 | Inner_Full      | 15.42   | /             | /     | 18.52 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Left  | 15.67   | /             | /     | 18.77 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Right | 15.60   | /             | /     | 18.70 | / | /     | <=23 | Pass |
|                 | 3690            | Edge_1RB_Left   | 13.53   | /             | /     | 16.63 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right  | 14.62   | /             | /     | 17.72 | / | /     | <=23 | Pass |
|                 |                 | Outer_Full      | 11.15   | /             | /     | 14.25 | / | /     | <=23 | Pass |
|                 |                 | Inner_Full      | 15.06   | /             | /     | 18.16 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Left  | 12.36   | /             | /     | 15.46 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Right | 15.84   | /             | /     | 18.94 | / | /     | <=23 | Pass |
|                 |                 | CP-OFDM 64 QAM  | 3560.01 | Edge_1RB_Left | 12.64 | /     | / | 15.74 | /    | /    |
| Edge_1RB_Right  | 14.13           |                 |         | /             | /     | 17.23 | / | /     | <=23 | Pass |
| Outer_Full      | 10.29           |                 |         | /             | /     | 13.39 | / | /     | <=23 | Pass |
| Inner_Full      | 14.04           |                 |         | /             | /     | 17.14 | / | /     | <=23 | Pass |
| Inner_1RB_Left  | 12.62           |                 |         | /             | /     | 15.72 | / | /     | <=23 | Pass |
| Inner_1RB_Right | 13.89           |                 |         | /             | /     | 16.99 | / | /     | <=23 | Pass |
| 3624.99         | Edge_1RB_Left   |                 | 14.04   | /             | /     | 17.14 | / | /     | <=23 | Pass |
|                 | Edge_1RB_Right  |                 | 15.03   | /             | /     | 18.13 | / | /     | <=23 | Pass |
|                 | Outer_Full      |                 | 12.33   | /             | /     | 15.43 | / | /     | <=23 | Pass |
|                 | Inner_Full      |                 | 15.81   | /             | /     | 18.91 | / | /     | <=23 | Pass |
|                 | Inner_1RB_Left  |                 | 14.62   | /             | /     | 17.72 | / | /     | <=23 | Pass |
|                 | Inner_1RB_Right |                 | 14.11   | /             | /     | 17.21 | / | /     | <=23 | Pass |
| 3690            | Edge_1RB_Left   |                 | 16.01   | /             | /     | 19.11 | / | /     | <=23 | Pass |
|                 | Edge_1RB_Right  |                 | 14.72   | /             | /     | 17.82 | / | /     | <=23 | Pass |
|                 | Outer_Full      | 11.55           | /       | /             | 14.65 | /     | / | <=23  | Pass |      |
|                 | Inner_Full      | 15.46           | /       | /             | 18.56 | /     | / | <=23  | Pass |      |
|                 | Inner_1RB_Left  | 15.33           | /       | /             | 18.43 | /     | / | <=23  | Pass |      |
|                 | Inner_1RB_Right | 13.38           | /       | /             | 16.48 | /     | / | <=23  | Pass |      |
| CP-OFDM 256 QAM | 3560.01         | Edge_1RB_Left   | 11.17   | /             | /     | 14.27 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right  | 10.43   | /             | /     | 13.53 | / | /     | <=23 | Pass |
|                 |                 | Outer_Full      | 8.15    | /             | /     | 11.25 | / | /     | <=23 | Pass |
|                 |                 | Inner_Full      | 10.73   | /             | /     | 13.83 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Left  | 10.49   | /             | /     | 13.59 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Right | 11.84   | /             | /     | 14.94 | / | /     | <=23 | Pass |
|                 | 3624.99         | Edge_1RB_Left   | 11.15   | /             | /     | 14.25 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right  | 12.27   | /             | /     | 15.37 | / | /     | <=23 | Pass |
|                 |                 | Outer_Full      | 9.99    | /             | /     | 13.09 | / | /     | <=23 | Pass |
|                 |                 | Inner_Full      | 11.99   | /             | /     | 15.09 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Left  | 12.50   | /             | /     | 15.60 | / | /     | <=23 | Pass |
|                 |                 | Inner_1RB_Right | 10.13   | /             | /     | 13.23 | / | /     | <=23 | Pass |
|                 | 3690            | Edge_1RB_Left   | 12.10   | /             | /     | 15.20 | / | /     | <=23 | Pass |
|                 |                 | Edge_1RB_Right  | 11.42   | /             | /     | 14.52 | / | /     | <=23 | Pass |
| Outer_Full      |                 | 7.99            | /       | /             | 11.09 | /     | / | <=23  | Pass |      |
| Inner_Full      |                 | 11.19           | /       | /             | 14.29 | /     | / | <=23  | Pass |      |
| Inner_1RB_Left  |                 | 11.33           | /       | /             | 14.43 | /     | / | <=23  | Pass |      |
| Inner_1RB_Right |                 | 10.21           | /       | /             | 13.31 | /     | / | <=23  | Pass |      |

Note1: Antenna Gain: Ant1: 3.10dBi;  
 Note2: EIRP=Conducted Power+Antenna Gain

### 2.5 30k\_SISO\_30MHz\_NTNV\_EIRP



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## 2.5.1 Test Result

| 5G NR n48 SCS=30kHz SISO 30MHz NTV |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3565.02         | Edge_1RB_Left   | 15.88                | /    | /   | 18.98     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.95                | /    | /   | 19.05     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 16.04                | /    | /   | 19.14     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.44                | /    | /   | 19.54     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.42                | /    | /   | 19.52     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.62                | /    | /   | 19.72     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 16.40                | /    | /   | 19.50     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 16.03                | /    | /   | 19.13     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 16.30                | /    | /   | 19.40     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.71                | /    | /   | 19.81     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.97                | /    | /   | 20.07     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.59                | /    | /   | 19.69     | /    | /   | <=23  | Pass    |
|                                    | 3684.99         | Edge_1RB_Left   | 15.68                | /    | /   | 18.78     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.60                | /    | /   | 18.70     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.65                | /    | /   | 18.75     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.21                | /    | /   | 19.31     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.13                | /    | /   | 19.23     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.17                | /    | /   | 19.27     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM QPSK                    | 3565.02         | Edge_1RB_Left   | 15.43                | /    | /   | 18.53     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.40                | /    | /   | 18.50     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.40                | /    | /   | 18.50     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.51                | /    | /   | 19.61     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.52                | /    | /   | 19.62     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.50                | /    | /   | 19.60     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 15.85                | /    | /   | 18.95     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.43                | /    | /   | 18.53     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.83                | /    | /   | 18.93     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.87                | /    | /   | 19.97     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.93                | /    | /   | 20.03     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.48                | /    | /   | 19.58     | /    | /   | <=23  | Pass    |
|                                    | 3684.99         | Edge_1RB_Left   | 15.17                | /    | /   | 18.27     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.12                | /    | /   | 18.22     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.09                | /    | /   | 18.19     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.08                | /    | /   | 19.18     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 15.99                | /    | /   | 19.09     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.21                | /    | /   | 19.31     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM 16 QAM                  | 3565.02         | Edge_1RB_Left   | 14.59                | /    | /   | 17.69     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 14.51                | /    | /   | 17.61     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 14.39                | /    | /   | 17.49     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 15.57                | /    | /   | 18.67     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 15.45                | /    | /   | 18.55     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 15.73                | /    | /   | 18.83     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 14.72                | /    | /   | 17.82     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 14.49                | /    | /   | 17.59     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 14.61                | /    | /   | 17.71     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 15.82                | /    | /   | 18.92     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 15.96                | /    | /   | 19.06     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 15.51                | /    | /   | 18.61     | /    | /   | <=23  | Pass    |
|                                    | 3684.99         | Edge_1RB_Left   | 14.01                | /    | /   | 17.11     | /    | /   | <=23  | Pass    |



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|                    |                 |                 |       |   |       |       |   |      |      |      |
|--------------------|-----------------|-----------------|-------|---|-------|-------|---|------|------|------|
|                    |                 | Edge_1RB_Right  | 14.03 | / | /     | 17.13 | / | /    | <=23 | Pass |
|                    |                 | Outer_Full      | 14.00 | / | /     | 17.10 | / | /    | <=23 | Pass |
|                    |                 | Inner_Full      | 15.26 | / | /     | 18.36 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Left  | 15.14 | / | /     | 18.24 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Right | 15.10 | / | /     | 18.20 | / | /    | <=23 | Pass |
| DFT-s-OFDM 64 QAM  | 3565.02         | Edge_1RB_Left   | 13.95 | / | /     | 17.05 | / | /    | <=23 | Pass |
|                    |                 | Edge_1RB_Right  | 14.30 | / | /     | 17.40 | / | /    | <=23 | Pass |
|                    |                 | Outer_Full      | 13.90 | / | /     | 17.00 | / | /    | <=23 | Pass |
|                    |                 | Inner_Full      | 13.96 | / | /     | 17.06 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Left  | 13.97 | / | /     | 17.07 | / | /    | <=23 | Pass |
|                    | 3624.99         | Inner_1RB_Right | 14.16 | / | /     | 17.26 | / | /    | <=23 | Pass |
|                    |                 | Edge_1RB_Left   | 14.20 | / | /     | 17.30 | / | /    | <=23 | Pass |
|                    |                 | Edge_1RB_Right  | 14.05 | / | /     | 17.15 | / | /    | <=23 | Pass |
|                    |                 | Outer_Full      | 14.19 | / | /     | 17.29 | / | /    | <=23 | Pass |
|                    |                 | Inner_Full      | 14.07 | / | /     | 17.17 | / | /    | <=23 | Pass |
|                    | 3684.99         | Inner_1RB_Left  | 14.39 | / | /     | 17.49 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Right | 14.00 | / | /     | 17.10 | / | /    | <=23 | Pass |
|                    |                 | Edge_1RB_Left   | 13.71 | / | /     | 16.81 | / | /    | <=23 | Pass |
|                    |                 | Edge_1RB_Right  | 13.56 | / | /     | 16.66 | / | /    | <=23 | Pass |
|                    |                 | Outer_Full      | 13.49 | / | /     | 16.59 | / | /    | <=23 | Pass |
| DFT-s-OFDM 256 QAM | 3565.02         | Inner_Full      | 13.50 | / | /     | 16.60 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Left  | 13.49 | / | /     | 16.59 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Right | 13.61 | / | /     | 16.71 | / | /    | <=23 | Pass |
|                    |                 | Edge_1RB_Left   | 12.06 | / | /     | 15.16 | / | /    | <=23 | Pass |
|                    |                 | Edge_1RB_Right  | 12.08 | / | /     | 15.18 | / | /    | <=23 | Pass |
|                    | 3624.99         | Outer_Full      | 12.10 | / | /     | 15.20 | / | /    | <=23 | Pass |
|                    |                 | Inner_Full      | 12.06 | / | /     | 15.16 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Left  | 12.09 | / | /     | 15.19 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Right | 12.08 | / | /     | 15.18 | / | /    | <=23 | Pass |
|                    |                 | Edge_1RB_Left   | 12.69 | / | /     | 15.79 | / | /    | <=23 | Pass |
|                    | 3684.99         | Edge_1RB_Right  | 12.31 | / | /     | 15.41 | / | /    | <=23 | Pass |
|                    |                 | Outer_Full      | 12.60 | / | /     | 15.70 | / | /    | <=23 | Pass |
|                    |                 | Inner_Full      | 12.59 | / | /     | 15.69 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Left  | 12.56 | / | /     | 15.66 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Right | 12.35 | / | /     | 15.45 | / | /    | <=23 | Pass |
| CP-OFDM QPSK       | 3565.02         | Edge_1RB_Left   | 11.84 | / | /     | 14.94 | / | /    | <=23 | Pass |
|                    |                 | Edge_1RB_Right  | 11.76 | / | /     | 14.86 | / | /    | <=23 | Pass |
|                    |                 | Outer_Full      | 11.81 | / | /     | 14.91 | / | /    | <=23 | Pass |
|                    |                 | Inner_Full      | 11.81 | / | /     | 14.91 | / | /    | <=23 | Pass |
|                    |                 | Inner_1RB_Left  | 11.85 | / | /     | 14.95 | / | /    | <=23 | Pass |
| 3624.99            | Inner_1RB_Right | 11.83           | /     | / | 14.93 | /     | / | <=23 | Pass |      |
|                    | Edge_1RB_Left   | 13.68           | /     | / | 16.78 | /     | / | <=23 | Pass |      |
|                    | Edge_1RB_Right  | 13.72           | /     | / | 16.82 | /     | / | <=23 | Pass |      |
|                    | Outer_Full      | 13.74           | /     | / | 16.84 | /     | / | <=23 | Pass |      |
|                    | Inner_Full      | 15.02           | /     | / | 18.12 | /     | / | <=23 | Pass |      |
|                    | Inner_1RB_Left  | 15.05           | /     | / | 18.15 | /     | / | <=23 | Pass |      |
|                    | Inner_1RB_Right | 15.07           | /     | / | 18.17 | /     | / | <=23 | Pass |      |
|                    | Edge_1RB_Left   | 14.22           | /     | / | 17.32 | /     | / | <=23 | Pass |      |
|                    | Edge_1RB_Right  | 13.88           | /     | / | 16.98 | /     | / | <=23 | Pass |      |
|                    | Outer_Full      | 14.19           | /     | / | 17.29 | /     | / | <=23 | Pass |      |
| 3684.99            | Inner_Full      | 15.39           | /     | / | 18.49 | /     | / | <=23 | Pass |      |
|                    | Inner_1RB_Left  | 15.55           | /     | / | 18.65 | /     | / | <=23 | Pass |      |
|                    | Inner_1RB_Right | 15.09           | /     | / | 18.19 | /     | / | <=23 | Pass |      |
|                    |                 | Edge_1RB_Left   | 13.37 | / | /     | 16.47 | / | /    | <=23 | Pass |



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|                 |                |                 |       |   |       |       |   |      |      |      |
|-----------------|----------------|-----------------|-------|---|-------|-------|---|------|------|------|
|                 |                | Edge_1RB_Right  | 13.43 | / | /     | 16.53 | / | /    | <=23 | Pass |
|                 |                | Outer_Full      | 13.39 | / | /     | 16.49 | / | /    | <=23 | Pass |
|                 |                | Inner_Full      | 14.65 | / | /     | 17.75 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Left  | 14.85 | / | /     | 17.95 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Right | 14.74 | / | /     | 17.84 | / | /    | <=23 | Pass |
| CP-OFDM 16 QAM  | 3565.02        | Edge_1RB_Left   | 13.53 | / | /     | 16.63 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Right  | 13.98 | / | /     | 17.08 | / | /    | <=23 | Pass |
|                 |                | Outer_Full      | 13.70 | / | /     | 16.80 | / | /    | <=23 | Pass |
|                 |                | Inner_Full      | 14.51 | / | /     | 17.61 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Left  | 14.47 | / | /     | 17.57 | / | /    | <=23 | Pass |
|                 | 3624.99        | Inner_1RB_Right | 14.52 | / | /     | 17.62 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Left   | 14.24 | / | /     | 17.34 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Right  | 13.84 | / | /     | 16.94 | / | /    | <=23 | Pass |
|                 |                | Outer_Full      | 14.20 | / | /     | 17.30 | / | /    | <=23 | Pass |
|                 |                | Inner_Full      | 14.94 | / | /     | 18.04 | / | /    | <=23 | Pass |
|                 | 3684.99        | Inner_1RB_Left  | 14.96 | / | /     | 18.06 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Right | 14.52 | / | /     | 17.62 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Left   | 13.42 | / | /     | 16.52 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Right  | 13.39 | / | /     | 16.49 | / | /    | <=23 | Pass |
|                 |                | Outer_Full      | 13.38 | / | /     | 16.48 | / | /    | <=23 | Pass |
| CP-OFDM 64 QAM  | 3565.02        | Inner_Full      | 14.08 | / | /     | 17.18 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Left  | 14.14 | / | /     | 17.24 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Right | 13.92 | / | /     | 17.02 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Left   | 13.36 | / | /     | 16.46 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Right  | 13.40 | / | /     | 16.50 | / | /    | <=23 | Pass |
|                 | 3624.99        | Outer_Full      | 13.12 | / | /     | 16.22 | / | /    | <=23 | Pass |
|                 |                | Inner_Full      | 13.25 | / | /     | 16.35 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Left  | 13.52 | / | /     | 16.62 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Right | 13.34 | / | /     | 16.44 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Left   | 13.83 | / | /     | 16.93 | / | /    | <=23 | Pass |
|                 | 3684.99        | Edge_1RB_Right  | 13.62 | / | /     | 16.72 | / | /    | <=23 | Pass |
|                 |                | Outer_Full      | 13.67 | / | /     | 16.77 | / | /    | <=23 | Pass |
|                 |                | Inner_Full      | 13.67 | / | /     | 16.77 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Left  | 13.76 | / | /     | 16.86 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Right | 13.41 | / | /     | 16.51 | / | /    | <=23 | Pass |
| 3684.99         | Edge_1RB_Left  | 12.92           | /     | / | 16.02 | /     | / | <=23 | Pass |      |
|                 | Edge_1RB_Right | 13.05           | /     | / | 16.15 | /     | / | <=23 | Pass |      |
|                 | Outer_Full     | 12.81           | /     | / | 15.91 | /     | / | <=23 | Pass |      |
|                 | Inner_Full     | 12.92           | /     | / | 16.02 | /     | / | <=23 | Pass |      |
|                 | Inner_1RB_Left | 13.17           | /     | / | 16.27 | /     | / | <=23 | Pass |      |
| CP-OFDM 256 QAM | 3565.02        | Inner_1RB_Right | 13.02 | / | /     | 16.12 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Left   | 10.25 | / | /     | 13.35 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Right  | 10.29 | / | /     | 13.39 | / | /    | <=23 | Pass |
|                 |                | Outer_Full      | 10.13 | / | /     | 13.23 | / | /    | <=23 | Pass |
|                 |                | Inner_Full      | 10.23 | / | /     | 13.33 | / | /    | <=23 | Pass |
|                 | 3624.99        | Inner_1RB_Left  | 10.22 | / | /     | 13.32 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Right | 10.20 | / | /     | 13.30 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Left   | 10.60 | / | /     | 13.70 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Right  | 10.44 | / | /     | 13.54 | / | /    | <=23 | Pass |
|                 |                | Outer_Full      | 10.61 | / | /     | 13.71 | / | /    | <=23 | Pass |
|                 | 3684.99        | Inner_Full      | 10.54 | / | /     | 13.64 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Left  | 10.74 | / | /     | 13.84 | / | /    | <=23 | Pass |
|                 |                | Inner_1RB_Right | 10.29 | / | /     | 13.39 | / | /    | <=23 | Pass |
|                 |                | Edge_1RB_Left   | 9.87  | / | /     | 12.97 | / | /    | <=23 | Pass |



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|   |                 |       |   |   |       |   |   |      |      |
|---|-----------------|-------|---|---|-------|---|---|------|------|
|   | Edge_1RB_Right  | 9.84  | / | / | 12.94 | / | / | <=23 | Pass |
|   | Outer_Full      | 9.80  | / | / | 12.90 | / | / | <=23 | Pass |
|   | Inner_Full      | 9.90  | / | / | 13.00 | / | / | <=23 | Pass |
|   | Inner_1RB_Left  | 10.01 | / | / | 13.11 | / | / | <=23 | Pass |
|   | Inner_1RB_Right | 9.86  | / | / | 12.96 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 3.10dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |       |   |   |       |   |   |      |      |

## 2.6 30k\_SISO\_30MHz\_NTNV\_EIRP/10MHz

### 2.6.1 Test Result

| 5G NR n48 SCS=30kHz SISO 30MHz NTN |                 |                |                            |       |       |                 |      |      |       |         |
|------------------------------------|-----------------|----------------|----------------------------|-------|-------|-----------------|------|------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation  | Conducted Power(dBm/10MHz) |       |       | EIRP(dBm/10MHz) |      |      |       | Verdict |
|                                    |                 |                | Ant1                       | Ant2  | Sum   | Ant1            | Ant2 | Sum  | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3565.02         | Edge_1RB_Left  | 16.46                      | /     | /     | 19.56           | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 17.50                      | /     | /     | 20.60           | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 14.50                      | /     | /     | 17.60           | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_Full     | 16.65                      | /     | /     | 19.75           | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 18.06                      | /     | /     | 21.16           | /    | /    | <=23  | Pass    |
|                                    | Inner_1RB_Right | 18.78          | /                          | /     | 21.88 | /               | /    | <=23 | Pass  |         |
|                                    | 3624.99         | Edge_1RB_Left  | 17.26                      | /     | /     | 20.36           | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 16.41                      | /     | /     | 19.51           | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 13.84                      | /     | /     | 16.94           | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_Full     | 17.55                      | /     | /     | 20.65           | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 18.19                      | /     | /     | 21.29           | /    | /    | <=23  | Pass    |
|                                    | Inner_1RB_Right | 17.80          | /                          | /     | 20.90 | /               | /    | <=23 | Pass  |         |
|                                    | 3684.99         | Edge_1RB_Left  | 17.65                      | /     | /     | 20.75           | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 16.20                      | /     | /     | 19.30           | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 12.54                      | /     | /     | 15.64           | /    | /    | <=23  | Pass    |
| Inner_Full                         |                 | 15.06          | /                          | /     | 18.16 | /               | /    | <=23 | Pass  |         |
| Inner_1RB_Left                     |                 | 17.41          | /                          | /     | 20.51 | /               | /    | <=23 | Pass  |         |
| Inner_1RB_Right                    | 16.31           | /              | /                          | 19.41 | /     | /               | <=23 | Pass |       |         |
| DFT-s-OFDM QPSK                    | 3565.02         | Edge_1RB_Left  | 16.00                      | /     | /     | 19.10           | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 17.89                      | /     | /     | 20.99           | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 12.49                      | /     | /     | 15.59           | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_Full     | 17.15                      | /     | /     | 20.25           | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 17.15                      | /     | /     | 20.25           | /    | /    | <=23  | Pass    |
|                                    | Inner_1RB_Right | 17.43          | /                          | /     | 20.53 | /               | /    | <=23 | Pass  |         |
|                                    | 3624.99         | Edge_1RB_Left  | 17.33                      | /     | /     | 20.43           | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 17.27                      | /     | /     | 20.37           | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 12.93                      | /     | /     | 16.03           | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_Full     | 16.79                      | /     | /     | 19.89           | /    | /    | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left | 17.20                      | /     | /     | 20.30           | /    | /    | <=23  | Pass    |
|                                    | Inner_1RB_Right | 17.16          | /                          | /     | 20.26 | /               | /    | <=23 | Pass  |         |
|                                    | 3684.99         | Edge_1RB_Left  | 17.16                      | /     | /     | 20.26           | /    | /    | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right | 16.20                      | /     | /     | 19.30           | /    | /    | <=23  | Pass    |
|                                    |                 | Outer_Full     | 11.37                      | /     | /     | 14.47           | /    | /    | <=23  | Pass    |
| Inner_Full                         |                 | 16.41          | /                          | /     | 19.51 | /               | /    | <=23 | Pass  |         |
| Inner_1RB_Left                     |                 | 17.69          | /                          | /     | 20.79 | /               | /    | <=23 | Pass  |         |
| Inner_1RB_Right                    | 16.27           | /              | /                          | 19.37 | /     | /               | <=23 | Pass |       |         |
| DFT-s-OFDM 16 QAM                  | 3565.02         | Edge_1RB_Left  | 14.50                      | /     | /     | 17.60           | /    | /    | <=23  | Pass    |



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|                    |                   |                 |                |       |   |       |       |   |      |      |      |
|--------------------|-------------------|-----------------|----------------|-------|---|-------|-------|---|------|------|------|
|                    |                   | Edge_1RB_Right  | 14.99          | /     | / | 18.09 | /     | / | <=23 | Pass |      |
|                    |                   | Outer_Full      | 11.76          | /     | / | 14.86 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_Full      | 16.36          | /     | / | 19.46 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Left  | 15.92          | /     | / | 19.02 | /     | / | <=23 | Pass |      |
|                    | 3624.99           | Inner_1RB_Right | 17.87          | /     | / | 20.97 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Left   | 16.98          | /     | / | 20.08 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Right  | 14.77          | /     | / | 17.87 | /     | / | <=23 | Pass |      |
|                    |                   | Outer_Full      | 11.15          | /     | / | 14.25 | /     | / | <=23 | Pass |      |
|                    | 3684.99           | Inner_Full      | 15.74          | /     | / | 18.84 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Left  | 16.49          | /     | / | 19.59 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Right | 15.86          | /     | / | 18.96 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Left   | 15.03          | /     | / | 18.13 | /     | / | <=23 | Pass |      |
|                    | DFT-s-OFDM 64 QAM | 3565.02         | Edge_1RB_Right | 13.82 | / | /     | 16.92 | / | /    | <=23 | Pass |
|                    |                   |                 | Outer_Full     | 11.77 | / | /     | 14.87 | / | /    | <=23 | Pass |
|                    |                   |                 | Inner_Full     | 15.16 | / | /     | 18.26 | / | /    | <=23 | Pass |
|                    |                   |                 | Inner_1RB_Left | 18.03 | / | /     | 21.13 | / | /    | <=23 | Pass |
| 3624.99            |                   | Inner_1RB_Right | 17.29          | /     | / | 20.39 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Left   | 13.06          | /     | / | 16.16 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Right  | 16.20          | /     | / | 19.30 | /     | / | <=23 | Pass |      |
|                    |                   | Outer_Full      | 12.48          | /     | / | 15.58 | /     | / | <=23 | Pass |      |
| 3684.99            |                   | Inner_Full      | 15.12          | /     | / | 18.22 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Left  | 15.14          | /     | / | 18.24 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Right | 15.96          | /     | / | 19.06 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Left   | 14.97          | /     | / | 18.07 | /     | / | <=23 | Pass |      |
| DFT-s-OFDM 256 QAM |                   | 3565.02         | Edge_1RB_Right | 16.85 | / | /     | 19.95 | / | /    | <=23 | Pass |
|                    |                   |                 | Outer_Full     | 10.21 | / | /     | 13.31 | / | /    | <=23 | Pass |
|                    |                   |                 | Inner_Full     | 13.62 | / | /     | 16.72 | / | /    | <=23 | Pass |
|                    |                   |                 | Inner_1RB_Left | 16.34 | / | /     | 19.44 | / | /    | <=23 | Pass |
|                    | 3624.99           | Inner_1RB_Right | 15.52          | /     | / | 18.62 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Left   | 15.33          | /     | / | 18.43 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Right  | 12.75          | /     | / | 15.85 | /     | / | <=23 | Pass |      |
|                    |                   | Outer_Full      | 10.28          | /     | / | 13.38 | /     | / | <=23 | Pass |      |
|                    | 3684.99           | Inner_Full      | 13.30          | /     | / | 16.40 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Left  | 14.27          | /     | / | 17.37 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Right | 14.35          | /     | / | 17.45 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Left   | 12.76          | /     | / | 15.86 | /     | / | <=23 | Pass |      |
|                    | CP-OFDM QPSK      | 3565.02         | Edge_1RB_Right | 13.29 | / | /     | 16.39 | / | /    | <=23 | Pass |
|                    |                   |                 | Outer_Full     | 10.07 | / | /     | 13.17 | / | /    | <=23 | Pass |
|                    |                   |                 | Inner_Full     | 12.64 | / | /     | 15.74 | / | /    | <=23 | Pass |
|                    |                   |                 | Inner_1RB_Left | 10.87 | / | /     | 13.97 | / | /    | <=23 | Pass |
| 3624.99            |                   | Inner_1RB_Right | 13.37          | /     | / | 16.47 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Left   | 13.90          | /     | / | 17.00 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Right  | 15.40          | /     | / | 18.50 | /     | / | <=23 | Pass |      |
|                    |                   | Outer_Full      | 9.33           | /     | / | 12.43 | /     | / | <=23 | Pass |      |
| 3684.99            |                   | Inner_Full      | 13.02          | /     | / | 16.12 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Left  | 14.12          | /     | / | 17.22 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Right | 13.52          | /     | / | 16.62 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Left   | 14.23          | /     | / | 17.33 | /     | / | <=23 | Pass |      |
| 3565.02            |                   | Edge_1RB_Right  | 13.86          | /     | / | 16.96 | /     | / | <=23 | Pass |      |
|                    |                   | Outer_Full      | 10.32          | /     | / | 13.42 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_Full      | 11.11          | /     | / | 14.21 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Left  | 11.77          | /     | / | 14.87 | /     | / | <=23 | Pass |      |
|                    |                   | Inner_1RB_Right | 13.27          | /     | / | 16.37 | /     | / | <=23 | Pass |      |
|                    |                   | Edge_1RB_Left   | 14.53          | /     | / | 17.63 | /     | / | <=23 | Pass |      |



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|                 |         |                 |                 |                 |       |       |       |       |      |      |      |      |
|-----------------|---------|-----------------|-----------------|-----------------|-------|-------|-------|-------|------|------|------|------|
|                 |         | Edge_1RB_Right  | 15.75           | /               | /     | 18.85 | /     | /     | <=23 | Pass |      |      |
|                 |         | Outer_Full      | 11.39           | /               | /     | 14.49 | /     | /     | <=23 | Pass |      |      |
|                 |         | Inner_Full      | 15.06           | /               | /     | 18.16 | /     | /     | <=23 | Pass |      |      |
|                 |         | Inner_1RB_Left  | 17.52           | /               | /     | 20.62 | /     | /     | <=23 | Pass |      |      |
|                 |         | Inner_1RB_Right | 15.80           | /               | /     | 18.90 | /     | /     | <=23 | Pass |      |      |
|                 | 3624.99 |                 | Edge_1RB_Left   | 15.57           | /     | /     | 18.67 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Edge_1RB_Right  | 16.48           | /     | /     | 19.58 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Outer_Full      | 10.91           | /     | /     | 14.01 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Inner_Full      | 15.50           | /     | /     | 18.60 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Inner_1RB_Left  | 15.96           | /     | /     | 19.06 | /     | /    | <=23 | Pass |      |
|                 | 3684.99 |                 | Inner_1RB_Right | 14.77           | /     | /     | 17.87 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Edge_1RB_Left   | 13.26           | /     | /     | 16.36 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Edge_1RB_Right  | 14.86           | /     | /     | 17.96 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Outer_Full      | 10.88           | /     | /     | 13.98 | /     | /    | <=23 | Pass |      |
| Inner_Full      |         |                 | 15.18           | /               | /     | 18.28 | /     | /     | <=23 | Pass |      |      |
| CP-OFDM 16 QAM  | 3565.02 |                 | Inner_1RB_Left  | 15.44           | /     | /     | 18.54 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Inner_1RB_Right | 15.67           | /     | /     | 18.77 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Edge_1RB_Left   | 13.24           | /     | /     | 16.34 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Edge_1RB_Right  | 16.00           | /     | /     | 19.10 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Outer_Full      | 11.30           | /     | /     | 14.40 | /     | /    | <=23 | Pass |      |
|                 | 3624.99 |                 |                 | Inner_Full      | 15.07 | /     | /     | 18.17 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Inner_1RB_Left  | 13.43 | /     | /     | 16.53 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Inner_1RB_Right | 17.14 | /     | /     | 20.24 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Edge_1RB_Left   | 15.57 | /     | /     | 18.67 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Edge_1RB_Right  | 16.14 | /     | /     | 19.24 | /    | /    | <=23 | Pass |
|                 | 3684.99 |                 |                 | Outer_Full      | 10.33 | /     | /     | 13.43 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Inner_Full      | 15.00 | /     | /     | 18.10 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Inner_1RB_Left  | 16.23 | /     | /     | 19.33 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Inner_1RB_Right | 15.20 | /     | /     | 18.30 | /    | /    | <=23 | Pass |
| Edge_1RB_Left   |         |                 |                 | 13.67           | /     | /     | 16.77 | /     | /    | <=23 | Pass |      |
| CP-OFDM 64 QAM  | 3565.02 |                 | Edge_1RB_Right  | 14.70           | /     | /     | 17.80 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Outer_Full      | 10.79           | /     | /     | 13.89 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Inner_Full      | 15.40           | /     | /     | 18.50 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Inner_1RB_Left  | 13.63           | /     | /     | 16.73 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Inner_1RB_Right | 16.60           | /     | /     | 19.70 | /     | /    | <=23 | Pass |      |
|                 | 3624.99 |                 |                 | Edge_1RB_Left   | 15.37 | /     | /     | 18.47 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Edge_1RB_Right  | 15.09 | /     | /     | 18.19 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Outer_Full      | 11.22 | /     | /     | 14.32 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Inner_Full      | 12.40 | /     | /     | 15.50 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Inner_1RB_Left  | 13.97 | /     | /     | 17.07 | /    | /    | <=23 | Pass |
|                 | 3684.99 |                 |                 | Inner_1RB_Right | 15.74 | /     | /     | 18.84 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Edge_1RB_Left   | 15.43 | /     | /     | 18.53 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Edge_1RB_Right  | 14.43 | /     | /     | 17.53 | /    | /    | <=23 | Pass |
|                 |         |                 |                 | Outer_Full      | 9.71  | /     | /     | 12.81 | /    | /    | <=23 | Pass |
| Inner_Full      |         |                 |                 | 13.33           | /     | /     | 16.43 | /     | /    | <=23 | Pass |      |
| 3684.99         |         |                 | Inner_1RB_Left  | 15.85           | /     | /     | 18.95 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Inner_1RB_Right | 12.83           | /     | /     | 15.93 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Edge_1RB_Left   | 14.90           | /     | /     | 18.00 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Edge_1RB_Right  | 13.82           | /     | /     | 16.92 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Outer_Full      | 9.25            | /     | /     | 12.35 | /     | /    | <=23 | Pass |      |
| CP-OFDM 256 QAM | 3565.02 |                 | Inner_Full      | 11.26           | /     | /     | 14.36 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Inner_1RB_Left  | 14.01           | /     | /     | 17.11 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Inner_1RB_Right | 13.49           | /     | /     | 16.59 | /     | /    | <=23 | Pass |      |
|                 |         |                 | Edge_1RB_Left   | 9.61            | /     | /     | 12.71 | /     | /    | <=23 | Pass |      |



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|  |         |                 |       |   |   |       |   |   |      |      |
|--|---------|-----------------|-------|---|---|-------|---|---|------|------|
|  |         | Edge_1RB_Right  | 12.23 | / | / | 15.33 | / | / | <=23 | Pass |
|  |         | Outer_Full      | 7.79  | / | / | 10.89 | / | / | <=23 | Pass |
|  |         | Inner_Full      | 10.15 | / | / | 13.25 | / | / | <=23 | Pass |
|  |         | Inner_1RB_Left  | 12.23 | / | / | 15.33 | / | / | <=23 | Pass |
|  |         | Inner_1RB_Right | 12.47 | / | / | 15.57 | / | / | <=23 | Pass |
|  | 3624.99 | Edge_1RB_Left   | 12.93 | / | / | 16.03 | / | / | <=23 | Pass |
|  |         | Edge_1RB_Right  | 12.43 | / | / | 15.53 | / | / | <=23 | Pass |
|  |         | Outer_Full      | 6.27  | / | / | 9.37  | / | / | <=23 | Pass |
|  |         | Inner_Full      | 10.46 | / | / | 13.56 | / | / | <=23 | Pass |
|  |         | Inner_1RB_Left  | 12.85 | / | / | 15.95 | / | / | <=23 | Pass |
|  | 3684.99 | Inner_1RB_Right | 11.66 | / | / | 14.76 | / | / | <=23 | Pass |
|  |         | Edge_1RB_Left   | 11.41 | / | / | 14.51 | / | / | <=23 | Pass |
|  |         | Edge_1RB_Right  | 10.95 | / | / | 14.05 | / | / | <=23 | Pass |
|  |         | Outer_Full      | 6.67  | / | / | 9.77  | / | / | <=23 | Pass |
|  |         | Inner_Full      | 9.30  | / | / | 12.40 | / | / | <=23 | Pass |
|  |         | Inner_1RB_Left  | 11.17 | / | / | 14.27 | / | / | <=23 | Pass |
|  |         | Inner_1RB_Right | 11.94 | / | / | 15.04 | / | / | <=23 | Pass |

Note1: Antenna Gain: Ant1: 3.10dBi;  
 Note2: EIRP=Conducted Power+Antenna Gain

2.7 30k\_SISO\_40MHz\_NTNV\_EIRP

2.7.1 Test Result

| 5G NR n48 SCS=30kHz SISO 40MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3570            | Edge_1RB_Left   | 15.96                | /    | /   | 19.06     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 16.20                | /    | /   | 19.30     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 16.11                | /    | /   | 19.21     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.57                | /    | /   | 19.67     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.46                | /    | /   | 19.56     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Inner_1RB_Right | 16.70                | /    | /   | 19.80     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Left   | 16.39                | /    | /   | 19.49     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.91                | /    | /   | 19.01     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 16.33                | /    | /   | 19.43     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.86                | /    | /   | 19.96     | /    | /   | <=23  | Pass    |
|                                    | 3679.98         | Inner_1RB_Left  | 16.85                | /    | /   | 19.95     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.64                | /    | /   | 19.74     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Left   | 15.66                | /    | /   | 18.76     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.76                | /    | /   | 18.86     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 15.49                | /    | /   | 18.59     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM QPSK                    | 3570            | Inner_Full      | 16.03                | /    | /   | 19.13     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 15.99                | /    | /   | 19.09     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.10                | /    | /   | 19.20     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Left   | 15.46                | /    | /   | 18.56     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.79                | /    | /   | 18.89     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Outer_Full      | 15.60                | /    | /   | 18.70     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 16.59                | /    | /   | 19.69     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 16.56                | /    | /   | 19.66     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.85                | /    | /   | 19.95     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Left   | 15.76                | /    | /   | 18.86     | /    | /   | <=23  | Pass    |



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|                    |               |                 |       |   |       |       |   |      |      |      |
|--------------------|---------------|-----------------|-------|---|-------|-------|---|------|------|------|
|                    | 3679.98       | Edge_1RB_Right  | 15.54 | / | /     | 18.64 | / | /    | <=23 | Pass |
|                    |               | Outer_Full      | 15.73 | / | /     | 18.83 | / | /    | <=23 | Pass |
|                    |               | Inner_Full      | 16.86 | / | /     | 19.96 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Left  | 16.81 | / | /     | 19.91 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Right | 16.55 | / | /     | 19.65 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Left   | 15.06 | / | /     | 18.16 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Right  | 15.12 | / | /     | 18.22 | / | /    | <=23 | Pass |
|                    |               | Outer_Full      | 15.14 | / | /     | 18.24 | / | /    | <=23 | Pass |
|                    |               | Inner_Full      | 16.10 | / | /     | 19.20 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Left  | 16.11 | / | /     | 19.21 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Right | 16.26 | / | /     | 19.36 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Left   | 14.55 | / | /     | 17.65 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Right  | 14.84 | / | /     | 17.94 | / | /    | <=23 | Pass |
|                    |               | Outer_Full      | 14.66 | / | /     | 17.76 | / | /    | <=23 | Pass |
| DFT-s-OFDM 16 QAM  | 3570          | Inner_Full      | 15.60 | / | /     | 18.70 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Left  | 15.52 | / | /     | 18.62 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Right | 15.88 | / | /     | 18.98 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Left   | 14.67 | / | /     | 17.77 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Right  | 14.64 | / | /     | 17.74 | / | /    | <=23 | Pass |
|                    |               | Outer_Full      | 14.64 | / | /     | 17.74 | / | /    | <=23 | Pass |
|                    | 3624.99       | Inner_Full      | 15.85 | / | /     | 18.95 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Left  | 15.88 | / | /     | 18.98 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Right | 15.55 | / | /     | 18.65 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Left   | 13.96 | / | /     | 17.06 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Right  | 14.04 | / | /     | 17.14 | / | /    | <=23 | Pass |
|                    |               | Outer_Full      | 13.93 | / | /     | 17.03 | / | /    | <=23 | Pass |
|                    | 3679.98       | Inner_Full      | 15.05 | / | /     | 18.15 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Left  | 15.05 | / | /     | 18.15 | / | /    | <=23 | Pass |
| Inner_1RB_Right    |               | 15.13           | /     | / | 18.23 | /     | / | <=23 | Pass |      |
| Edge_1RB_Left      |               | 14.02           | /     | / | 17.12 | /     | / | <=23 | Pass |      |
| Edge_1RB_Right     |               | 14.25           | /     | / | 17.35 | /     | / | <=23 | Pass |      |
| Outer_Full         |               | 13.98           | /     | / | 17.08 | /     | / | <=23 | Pass |      |
| DFT-s-OFDM 64 QAM  | 3570          | Inner_Full      | 14.03 | / | /     | 17.13 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Left  | 14.08 | / | /     | 17.18 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Right | 14.39 | / | /     | 17.49 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Left   | 14.33 | / | /     | 17.43 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Right  | 14.02 | / | /     | 17.12 | / | /    | <=23 | Pass |
|                    |               | Outer_Full      | 14.39 | / | /     | 17.49 | / | /    | <=23 | Pass |
|                    | 3624.99       | Inner_Full      | 14.21 | / | /     | 17.31 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Left  | 14.49 | / | /     | 17.59 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Right | 14.09 | / | /     | 17.19 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Left   | 13.49 | / | /     | 16.59 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Right  | 13.61 | / | /     | 16.71 | / | /    | <=23 | Pass |
|                    |               | Outer_Full      | 13.44 | / | /     | 16.54 | / | /    | <=23 | Pass |
|                    | 3679.98       | Inner_Full      | 13.43 | / | /     | 16.53 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Left  | 13.49 | / | /     | 16.59 | / | /    | <=23 | Pass |
| Inner_1RB_Right    |               | 13.72           | /     | / | 16.82 | /     | / | <=23 | Pass |      |
| Edge_1RB_Left      |               | 12.24           | /     | / | 15.34 | /     | / | <=23 | Pass |      |
| Edge_1RB_Right     |               | 12.55           | /     | / | 15.65 | /     | / | <=23 | Pass |      |
| Outer_Full         |               | 12.38           | /     | / | 15.48 | /     | / | <=23 | Pass |      |
| DFT-s-OFDM 256 QAM | 3570          | Inner_Full      | 12.35 | / | /     | 15.45 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Left  | 12.30 | / | /     | 15.40 | / | /    | <=23 | Pass |
|                    |               | Inner_1RB_Right | 12.48 | / | /     | 15.58 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Left   | 12.49 | / | /     | 15.59 | / | /    | <=23 | Pass |
|                    |               | Edge_1RB_Right  | 12.49 | / | /     | 15.59 | / | /    | <=23 | Pass |
|                    |               | Outer_Full      | 12.49 | / | /     | 15.59 | / | /    | <=23 | Pass |
| 3624.99            | Edge_1RB_Left | 12.49           | /     | / | 15.59 | /     | / | <=23 | Pass |      |



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|                |         |                 |                 |                 |       |       |       |       |      |      |      |      |
|----------------|---------|-----------------|-----------------|-----------------|-------|-------|-------|-------|------|------|------|------|
|                |         | Edge_1RB_Right  | 12.21           | /               | /     | 15.31 | /     | /     | <=23 | Pass |      |      |
|                |         | Outer_Full      | 12.60           | /               | /     | 15.70 | /     | /     | <=23 | Pass |      |      |
|                |         | Inner_Full      | 12.66           | /               | /     | 15.76 | /     | /     | <=23 | Pass |      |      |
|                |         | Inner_1RB_Left  | 12.48           | /               | /     | 15.58 | /     | /     | <=23 | Pass |      |      |
|                |         | Inner_1RB_Right | 12.43           | /               | /     | 15.53 | /     | /     | <=23 | Pass |      |      |
|                |         | Edge_1RB_Left   | 11.79           | /               | /     | 14.89 | /     | /     | <=23 | Pass |      |      |
|                | 3679.98 |                 | Edge_1RB_Right  | 11.88           | /     | /     | 14.98 | /     | /    | <=23 | Pass |      |
|                |         |                 | Outer_Full      | 11.70           | /     | /     | 14.80 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_Full      | 11.78           | /     | /     | 14.88 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Left  | 11.87           | /     | /     | 14.97 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Right | 11.82           | /     | /     | 14.92 | /     | /    | <=23 | Pass |      |
|                |         |                 | Edge_1RB_Left   | 13.88           | /     | /     | 16.98 | /     | /    | <=23 | Pass |      |
| CP-OFDM QPSK   | 3570    |                 | Edge_1RB_Right  | 14.16           | /     | /     | 17.26 | /     | /    | <=23 | Pass |      |
|                |         |                 | Outer_Full      | 13.83           | /     | /     | 16.93 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_Full      | 15.02           | /     | /     | 18.12 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Left  | 15.14           | /     | /     | 18.24 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Right | 15.30           | /     | /     | 18.40 | /     | /    | <=23 | Pass |      |
|                |         |                 | Edge_1RB_Left   | 14.31           | /     | /     | 17.41 | /     | /    | <=23 | Pass |      |
|                | 3624.99 |                 |                 | Edge_1RB_Right  | 13.87 | /     | /     | 16.97 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Outer_Full      | 14.15 | /     | /     | 17.25 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Inner_Full      | 15.36 | /     | /     | 18.46 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Inner_1RB_Left  | 15.36 | /     | /     | 18.46 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Inner_1RB_Right | 15.13 | /     | /     | 18.23 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Edge_1RB_Left   | 13.38 | /     | /     | 16.48 | /    | /    | <=23 | Pass |
| 3679.98        |         |                 | Edge_1RB_Right  | 13.47           | /     | /     | 16.57 | /     | /    | <=23 | Pass |      |
|                |         |                 | Outer_Full      | 13.36           | /     | /     | 16.46 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_Full      | 14.54           | /     | /     | 17.64 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Left  | 14.61           | /     | /     | 17.71 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Right | 14.63           | /     | /     | 17.73 | /     | /    | <=23 | Pass |      |
|                |         |                 | Edge_1RB_Left   | 13.93           | /     | /     | 17.03 | /     | /    | <=23 | Pass |      |
| CP-OFDM 16 QAM | 3570    |                 | Edge_1RB_Right  | 14.16           | /     | /     | 17.26 | /     | /    | <=23 | Pass |      |
|                |         |                 | Outer_Full      | 13.92           | /     | /     | 17.02 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_Full      | 14.43           | /     | /     | 17.53 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Left  | 14.52           | /     | /     | 17.62 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Right | 14.82           | /     | /     | 17.92 | /     | /    | <=23 | Pass |      |
|                |         |                 | Edge_1RB_Left   | 14.07           | /     | /     | 17.17 | /     | /    | <=23 | Pass |      |
|                | 3624.99 |                 |                 | Edge_1RB_Right  | 13.73 | /     | /     | 16.83 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Outer_Full      | 14.17 | /     | /     | 17.27 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Inner_Full      | 14.74 | /     | /     | 17.84 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Inner_1RB_Left  | 14.86 | /     | /     | 17.96 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Inner_1RB_Right | 14.60 | /     | /     | 17.70 | /    | /    | <=23 | Pass |
|                |         |                 |                 | Edge_1RB_Left   | 13.21 | /     | /     | 16.31 | /    | /    | <=23 | Pass |
| 3679.98        |         |                 | Edge_1RB_Right  | 13.34           | /     | /     | 16.44 | /     | /    | <=23 | Pass |      |
|                |         |                 | Outer_Full      | 13.31           | /     | /     | 16.41 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_Full      | 13.98           | /     | /     | 17.08 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Left  | 14.06           | /     | /     | 17.16 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Right | 13.97           | /     | /     | 17.07 | /     | /    | <=23 | Pass |      |
|                |         |                 | Edge_1RB_Left   | 13.41           | /     | /     | 16.51 | /     | /    | <=23 | Pass |      |
| CP-OFDM 64 QAM | 3570    |                 | Edge_1RB_Right  | 13.72           | /     | /     | 16.82 | /     | /    | <=23 | Pass |      |
|                |         |                 | Outer_Full      | 13.37           | /     | /     | 16.47 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_Full      | 13.40           | /     | /     | 16.50 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Left  | 13.38           | /     | /     | 16.48 | /     | /    | <=23 | Pass |      |
|                |         |                 | Inner_1RB_Right | 13.76           | /     | /     | 16.86 | /     | /    | <=23 | Pass |      |
|                |         |                 | Edge_1RB_Left   | 13.78           | /     | /     | 16.88 | /     | /    | <=23 | Pass |      |
|                | 3624.99 |                 |                 | Edge_1RB_Right  | 13.78 | /     | /     | 16.88 | /    | /    | <=23 | Pass |



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|                 |                 |                 |                 |       |       |       |       |      |      |      |      |
|-----------------|-----------------|-----------------|-----------------|-------|-------|-------|-------|------|------|------|------|
| CP-OFDM 256 QAM | 3679.98         | Edge_1RB_Right  | 13.43           | /     | /     | 16.53 | /     | /    | <=23 | Pass |      |
|                 |                 | Outer_Full      | 13.70           | /     | /     | 16.80 | /     | /    | <=23 | Pass |      |
|                 |                 | Inner_Full      | 13.59           | /     | /     | 16.69 | /     | /    | <=23 | Pass |      |
|                 |                 | Inner_1RB_Left  | 13.84           | /     | /     | 16.94 | /     | /    | <=23 | Pass |      |
|                 |                 | Inner_1RB_Right | 13.52           | /     | /     | 16.62 | /     | /    | <=23 | Pass |      |
|                 | 3570            | Edge_1RB_Left   | 12.99           | /     | /     | 16.09 | /     | /    | <=23 | Pass |      |
|                 |                 | Edge_1RB_Right  | 13.00           | /     | /     | 16.10 | /     | /    | <=23 | Pass |      |
|                 |                 | Outer_Full      | 12.81           | /     | /     | 15.91 | /     | /    | <=23 | Pass |      |
|                 |                 | Inner_Full      | 12.83           | /     | /     | 15.93 | /     | /    | <=23 | Pass |      |
|                 |                 | Inner_1RB_Left  | 13.08           | /     | /     | 16.18 | /     | /    | <=23 | Pass |      |
|                 | CP-OFDM 256 QAM | 3624.99         | Inner_1RB_Right | 13.05 | /     | /     | 16.15 | /    | /    | <=23 | Pass |
|                 |                 |                 | Edge_1RB_Left   | 10.16 | /     | /     | 13.26 | /    | /    | <=23 | Pass |
|                 |                 |                 | Edge_1RB_Right  | 10.44 | /     | /     | 13.54 | /    | /    | <=23 | Pass |
|                 |                 |                 | Outer_Full      | 10.32 | /     | /     | 13.42 | /    | /    | <=23 | Pass |
| Inner_Full      |                 |                 | 10.41           | /     | /     | 13.51 | /     | /    | <=23 | Pass |      |
| 3679.98         |                 | Inner_1RB_Left  | 10.11           | /     | /     | 13.21 | /     | /    | <=23 | Pass |      |
|                 |                 | Inner_1RB_Right | 10.56           | /     | /     | 13.66 | /     | /    | <=23 | Pass |      |
|                 |                 | Edge_1RB_Left   | 10.68           | /     | /     | 13.78 | /     | /    | <=23 | Pass |      |
|                 |                 | Edge_1RB_Right  | 10.28           | /     | /     | 13.38 | /     | /    | <=23 | Pass |      |
|                 |                 | Outer_Full      | 10.58           | /     | /     | 13.68 | /     | /    | <=23 | Pass |      |
| 3679.98         |                 | Inner_Full      | 10.57           | /     | /     | 13.67 | /     | /    | <=23 | Pass |      |
|                 |                 | Inner_1RB_Left  | 10.55           | /     | /     | 13.65 | /     | /    | <=23 | Pass |      |
|                 |                 | Inner_1RB_Right | 10.22           | /     | /     | 13.32 | /     | /    | <=23 | Pass |      |
|                 |                 | Edge_1RB_Left   | 9.79            | /     | /     | 12.89 | /     | /    | <=23 | Pass |      |
|                 | Edge_1RB_Right  | 9.84            | /               | /     | 12.94 | /     | /     | <=23 | Pass |      |      |
| 3679.98         | Outer_Full      | 9.91            | /               | /     | 13.01 | /     | /     | <=23 | Pass |      |      |
|                 | Inner_Full      | 9.70            | /               | /     | 12.80 | /     | /     | <=23 | Pass |      |      |
|                 | Inner_1RB_Left  | 9.92            | /               | /     | 13.02 | /     | /     | <=23 | Pass |      |      |
|                 | Inner_1RB_Right | 9.92            | /               | /     | 13.02 | /     | /     | <=23 | Pass |      |      |

Note1: Antenna Gain: Ant1: 3.10dBi;  
Note2: EIRP=Conducted Power+Antenna Gain

2.8 30k\_SISO\_40MHz\_NTNV\_EIRP/10MHz

2.8.1 Test Result

| 5G NR n48 SCS=30kHz SISO 40MHz NTN |                 |                 |                            |      |     |                 |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------------|------|-----|-----------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm/10MHz) |      |     | EIRP(dBm/10MHz) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                       | Ant2 | Sum | Ant1            | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3570            | Edge_1RB_Left   | 18.10                      | /    | /   | 21.20           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 17.83                      | /    | /   | 20.93           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 11.15                      | /    | /   | 14.25           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 15.27                      | /    | /   | 18.37           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 18.49                      | /    | /   | 21.59           | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Inner_1RB_Right | 17.10                      | /    | /   | 20.20           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Left   | 17.05                      | /    | /   | 20.15           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 17.31                      | /    | /   | 20.41           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 10.99                      | /    | /   | 14.09           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 15.86                      | /    | /   | 18.96           | /    | /   | <=23  | Pass    |
|                                    | 3679.98         | Inner_1RB_Left  | 17.75                      | /    | /   | 20.85           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 16.63                      | /    | /   | 19.73           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Left   | 15.86                      | /    | /   | 18.96           | /    | /   | <=23  | Pass    |



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|                   |                 |                 |       |       |       |       |      |      |      |      |
|-------------------|-----------------|-----------------|-------|-------|-------|-------|------|------|------|------|
|                   |                 | Edge_1RB_Right  | 16.43 | /     | /     | 19.53 | /    | /    | <=23 | Pass |
|                   |                 | Outer_Full      | 11.21 | /     | /     | 14.31 | /    | /    | <=23 | Pass |
|                   |                 | Inner_Full      | 14.05 | /     | /     | 17.15 | /    | /    | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 16.38 | /     | /     | 19.48 | /    | /    | <=23 | Pass |
|                   |                 | Inner_1RB_Right | 18.77 | /     | /     | 21.87 | /    | /    | <=23 | Pass |
| DFT-s-OFDM QPSK   | 3570            | Edge_1RB_Left   | 16.86 | /     | /     | 19.96 | /    | /    | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 15.92 | /     | /     | 19.02 | /    | /    | <=23 | Pass |
|                   |                 | Outer_Full      | 10.01 | /     | /     | 13.11 | /    | /    | <=23 | Pass |
|                   |                 | Inner_Full      | 15.55 | /     | /     | 18.65 | /    | /    | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 16.79 | /     | /     | 19.89 | /    | /    | <=23 | Pass |
|                   | Inner_1RB_Right | 18.91           | /     | /     | 22.01 | /     | /    | <=23 | Pass |      |
|                   | 3624.99         | Edge_1RB_Left   | 17.14 | /     | /     | 20.24 | /    | /    | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 14.84 | /     | /     | 17.94 | /    | /    | <=23 | Pass |
|                   |                 | Outer_Full      | 11.22 | /     | /     | 14.32 | /    | /    | <=23 | Pass |
|                   |                 | Inner_Full      | 15.50 | /     | /     | 18.60 | /    | /    | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 19.33 | /     | /     | 22.43 | /    | /    | <=23 | Pass |
|                   | Inner_1RB_Right | 16.91           | /     | /     | 20.01 | /     | /    | <=23 | Pass |      |
|                   | 3679.98         | Edge_1RB_Left   | 15.23 | /     | /     | 18.33 | /    | /    | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 17.51 | /     | /     | 20.61 | /    | /    | <=23 | Pass |
|                   |                 | Outer_Full      | 12.27 | /     | /     | 15.37 | /    | /    | <=23 | Pass |
| Inner_Full        |                 | 14.84           | /     | /     | 17.94 | /     | /    | <=23 | Pass |      |
| Inner_1RB_Left    |                 | 17.38           | /     | /     | 20.48 | /     | /    | <=23 | Pass |      |
| Inner_1RB_Right   | 17.44           | /               | /     | 20.54 | /     | /     | <=23 | Pass |      |      |
| DFT-s-OFDM 16 QAM | 3570            | Edge_1RB_Left   | 16.43 | /     | /     | 19.53 | /    | /    | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 16.44 | /     | /     | 19.54 | /    | /    | <=23 | Pass |
|                   |                 | Outer_Full      | 9.38  | /     | /     | 12.48 | /    | /    | <=23 | Pass |
|                   |                 | Inner_Full      | 13.94 | /     | /     | 17.04 | /    | /    | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 14.10 | /     | /     | 17.20 | /    | /    | <=23 | Pass |
|                   | Inner_1RB_Right | 15.92           | /     | /     | 19.02 | /     | /    | <=23 | Pass |      |
|                   | 3624.99         | Edge_1RB_Left   | 15.67 | /     | /     | 18.77 | /    | /    | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 15.90 | /     | /     | 19.00 | /    | /    | <=23 | Pass |
|                   |                 | Outer_Full      | 10.29 | /     | /     | 13.39 | /    | /    | <=23 | Pass |
|                   |                 | Inner_Full      | 14.93 | /     | /     | 18.03 | /    | /    | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 16.56 | /     | /     | 19.66 | /    | /    | <=23 | Pass |
|                   | Inner_1RB_Right | 17.70           | /     | /     | 20.80 | /     | /    | <=23 | Pass |      |
|                   | 3679.98         | Edge_1RB_Left   | 15.21 | /     | /     | 18.31 | /    | /    | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 15.92 | /     | /     | 19.02 | /    | /    | <=23 | Pass |
|                   |                 | Outer_Full      | 11.70 | /     | /     | 14.80 | /    | /    | <=23 | Pass |
| Inner_Full        |                 | 14.52           | /     | /     | 17.62 | /     | /    | <=23 | Pass |      |
| Inner_1RB_Left    |                 | 16.25           | /     | /     | 19.35 | /     | /    | <=23 | Pass |      |
| Inner_1RB_Right   | 17.80           | /               | /     | 20.90 | /     | /     | <=23 | Pass |      |      |
| DFT-s-OFDM 64 QAM | 3570            | Edge_1RB_Left   | 17.15 | /     | /     | 20.25 | /    | /    | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 14.62 | /     | /     | 17.72 | /    | /    | <=23 | Pass |
|                   |                 | Outer_Full      | 10.18 | /     | /     | 13.28 | /    | /    | <=23 | Pass |
|                   |                 | Inner_Full      | 13.68 | /     | /     | 16.78 | /    | /    | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 16.49 | /     | /     | 19.59 | /    | /    | <=23 | Pass |
|                   | Inner_1RB_Right | 16.35           | /     | /     | 19.45 | /     | /    | <=23 | Pass |      |
|                   | 3624.99         | Edge_1RB_Left   | 17.01 | /     | /     | 20.11 | /    | /    | <=23 | Pass |
|                   |                 | Edge_1RB_Right  | 15.86 | /     | /     | 18.96 | /    | /    | <=23 | Pass |
|                   |                 | Outer_Full      | 9.98  | /     | /     | 13.08 | /    | /    | <=23 | Pass |
|                   |                 | Inner_Full      | 13.07 | /     | /     | 16.17 | /    | /    | <=23 | Pass |
|                   |                 | Inner_1RB_Left  | 15.78 | /     | /     | 18.88 | /    | /    | <=23 | Pass |
|                   | Inner_1RB_Right | 13.71           | /     | /     | 16.81 | /     | /    | <=23 | Pass |      |
|                   | 3679.98         | Edge_1RB_Left   | 14.79 | /     | /     | 17.89 | /    | /    | <=23 | Pass |



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|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Edge_1RB_Right  | 15.98 | / | / | 19.08 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 9.79  | / | / | 12.89 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 12.52 | / | / | 15.62 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 13.53 | / | / | 16.63 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 15.17 | / | / | 18.27 | / | / | <=23 | Pass |
| DFT-s-OFDM 256 QAM | 3570    | Edge_1RB_Left   | 13.95 | / | / | 17.05 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.03 | / | / | 17.13 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 8.94  | / | / | 12.04 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 11.29 | / | / | 14.39 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.11 | / | / | 18.21 | / | / | <=23 | Pass |
|                    | 3624.99 | Inner_1RB_Right | 14.55 | / | / | 17.65 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.56 | / | / | 16.66 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 12.70 | / | / | 15.80 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 9.55  | / | / | 12.65 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 11.78 | / | / | 14.88 | / | / | <=23 | Pass |
|                    | 3679.98 | Inner_1RB_Left  | 13.82 | / | / | 16.92 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 12.24 | / | / | 15.34 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 13.47 | / | / | 16.57 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 12.12 | / | / | 15.22 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 8.33  | / | / | 11.43 | / | / | <=23 | Pass |
| CP-OFDM QPSK       | 3570    | Inner_Full      | 9.03  | / | / | 12.13 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 13.01 | / | / | 16.11 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 14.14 | / | / | 17.24 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 16.21 | / | / | 19.31 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 15.11 | / | / | 18.21 | / | / | <=23 | Pass |
|                    | 3624.99 | Outer_Full      | 10.18 | / | / | 13.28 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 14.16 | / | / | 17.26 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 16.01 | / | / | 19.11 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 16.75 | / | / | 19.85 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 16.36 | / | / | 19.46 | / | / | <=23 | Pass |
|                    | 3679.98 | Edge_1RB_Right  | 14.38 | / | / | 17.48 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 8.81  | / | / | 11.91 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 13.90 | / | / | 17.00 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.66 | / | / | 18.76 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 15.98 | / | / | 19.08 | / | / | <=23 | Pass |
| CP-OFDM 16 QAM     | 3570    | Edge_1RB_Left   | 14.38 | / | / | 17.48 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 15.60 | / | / | 18.70 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 8.66  | / | / | 11.76 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 13.33 | / | / | 16.43 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.06 | / | / | 18.16 | / | / | <=23 | Pass |
|                    | 3624.99 | Inner_1RB_Right | 16.53 | / | / | 19.63 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 14.85 | / | / | 17.95 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 16.67 | / | / | 19.77 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 8.60  | / | / | 11.70 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 14.70 | / | / | 17.80 | / | / | <=23 | Pass |
|                    | 3679.98 | Inner_1RB_Left  | 15.26 | / | / | 18.36 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 14.19 | / | / | 17.29 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 16.04 | / | / | 19.14 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 14.70 | / | / | 17.80 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 10.01 | / | / | 13.11 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 13.50 | / | / | 16.60 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 16.03 | / | / | 19.13 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Right | 15.37 | / | / | 18.47 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 15.41 | / | / | 18.51 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 15.41 | / | / | 18.51 | / | / | <=23 | Pass |



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|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 |         | Edge_1RB_Right  | 12.65 | / | / | 15.75 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 9.47  | / | / | 12.57 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 12.58 | / | / | 15.68 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 15.49 | / | / | 18.59 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 13.70 | / | / | 16.80 | / | / | <=23 | Pass |
| CP-OFDM 64 QAM  | 3570    | Edge_1RB_Left   | 13.93 | / | / | 17.03 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 17.38 | / | / | 20.48 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 8.71  | / | / | 11.81 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 10.98 | / | / | 14.08 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 13.37 | / | / | 16.47 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 16.13 | / | / | 19.23 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge_1RB_Left   | 14.81 | / | / | 17.91 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 14.03 | / | / | 17.13 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 9.78  | / | / | 12.88 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 10.86 | / | / | 13.96 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 15.52 | / | / | 18.62 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 16.29 | / | / | 19.39 | / | / | <=23 | Pass |
|                 | 3679.98 | Edge_1RB_Left   | 14.13 | / | / | 17.23 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 15.88 | / | / | 18.98 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 8.00  | / | / | 11.10 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 11.52 | / | / | 14.62 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 14.21 | / | / | 17.31 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 13.20 | / | / | 16.30 | / | / | <=23 | Pass |
| CP-OFDM 256 QAM | 3570    | Edge_1RB_Left   | 13.76 | / | / | 16.86 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 12.88 | / | / | 15.98 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 6.70  | / | / | 9.80  | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 8.82  | / | / | 11.92 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 13.47 | / | / | 16.57 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 13.13 | / | / | 16.23 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge_1RB_Left   | 11.29 | / | / | 14.39 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 13.67 | / | / | 16.77 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 6.84  | / | / | 9.94  | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 8.31  | / | / | 11.41 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 12.57 | / | / | 15.67 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 12.31 | / | / | 15.41 | / | / | <=23 | Pass |
|                 | 3679.98 | Edge_1RB_Left   | 11.03 | / | / | 14.13 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 9.21  | / | / | 12.31 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 5.18  | / | / | 8.28  | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 8.53  | / | / | 11.63 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 10.63 | / | / | 13.73 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 12.94 | / | / | 16.04 | / | / | <=23 | Pass |

Note1: Antenna Gain: Ant1: 3.10dBi;  
 Note2: EIRP=Conducted Power+Antenna Gain

### 3. Frequency Stability

#### 3.1 30k\_SISO\_10MHz

##### 3.1.1 Test Result

5G NR n48 SCS=30kHz SISO 10MHz



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| Modulation           | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|----------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
|                      |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK | 3624.99         | Outer_Full    | 20         | LV    | 10.20            | 0.0028                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               |            | HV    | 11.10            | 0.0031                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -30        | NV    | 5.20             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -20        | NV    | 20.50            | 0.0057                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -10        | NV    | 21.10            | 0.0058                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 0          | NV    | -4.00            | -0.0011               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 10         | NV    | 9.80             | 0.0027                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 20         | NV    | 12.20            | 0.0034                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 30         | NV    | 10.90            | 0.0030                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 40         | NV    | 7.50             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK      | 3624.99         | Outer_Full    | 20         | LV    | 6.90             | 0.0019                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               |            | HV    | 13.70            | 0.0038                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -30        | NV    | -4.50            | -0.0012               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -20        | NV    | -9.40            | -0.0026               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -10        | NV    | -3.80            | -0.0010               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 0          | NV    | 12.10            | 0.0033                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 10         | NV    | -10.80           | -0.0030               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 20         | NV    | 7.60             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 30         | NV    | 13.00            | 0.0036                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 40         | NV    | 5.40             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM    | 3624.99         | Outer_Full    | 20         | LV    | 2.30             | 0.0006                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               |            | HV    | -16.40           | -0.0045               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -30        | NV    | 8.20             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -20        | NV    | 9.90             | 0.0027                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -10        | NV    | -15.90           | -0.0044               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 0          | NV    | 2.00             | 0.0006                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 10         | NV    | 7.20             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 20         | NV    | -4.00            | -0.0011               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 30         | NV    | 5.70             | 0.0016                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 40         | NV    | 4.50             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM    | 3624.99         | Outer_Full    | 20         | LV    | 7.30             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               |            | HV    | 20.60            | 0.0057                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -30        | NV    | -8.20            | -0.0023               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -20        | NV    | -9.20            | -0.0025               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -10        | NV    | 10.30            | 0.0028                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 0          | NV    | 6.00             | 0.0017                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 10         | NV    | 12.50            | 0.0034                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 20         | NV    | 4.20             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 30         | NV    | 23.30            | 0.0064                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 40         | NV    | 10.70            | 0.0030                | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 256 QAM   | 3624.99         | Outer_Full    | 20         | LV    | 5.30             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               |            | HV    | 11.00            | 0.0030                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -30        | NV    | 12.10            | 0.0033                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -20        | NV    | -4.80            | -0.0013               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | -10        | NV    | -13.30           | -0.0037               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 0          | NV    | -11.90           | -0.0033               | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 10         | NV    | 3.10             | 0.0009                | >=-2.5 & <=2.5 | Pass    |
|                      |                 |               | 20         | NV    | 6.90             | 0.0019                | >=-2.5 & <=2.5 | Pass    |



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|                 |         |            |    |    |       |        |                |        |         |                |      |
|-----------------|---------|------------|----|----|-------|--------|----------------|--------|---------|----------------|------|
|                 |         |            | 30 | NV | 3.00  | 0.0008 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            | 40 | NV | 7.00  | 0.0019 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            | 50 | NV | 9.70  | 0.0027 | >=-2.5 & <=2.5 | Pass   |         |                |      |
| CP-OFDM QPSK    | 3624.99 | Outer_Full | 20 | LV | 7.00  | 0.0019 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | 4.90  | 0.0014 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |       | -30    | NV             | 6.20   | 0.0017  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | -20    | NV             | 8.10   | 0.0022  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | -10    | NV             | 15.90  | 0.0044  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 0      | NV             | 18.50  | 0.0051  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 10     | NV             | -3.90  | -0.0011 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 20     | NV             | 7.80   | 0.0022  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 30     | NV             | -10.30 | -0.0028 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 40     | NV             | 6.90   | 0.0019  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 50     | NV             | 4.00   | 0.0011  | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 16 QAM  | 3624.99 | Outer_Full | 20 | LV | 12.10 | 0.0033 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | 16.40 | 0.0045 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |       | -30    | NV             | 6.10   | 0.0017  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | -20    | NV             | -5.90  | -0.0016 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | -10    | NV             | 5.70   | 0.0016  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 0      | NV             | 3.90   | 0.0011  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 10     | NV             | 11.20  | 0.0031  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 20     | NV             | 3.30   | 0.0009  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 30     | NV             | 10.30  | 0.0028  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 40     | NV             | 8.50   | 0.0023  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 50     | NV             | -3.80  | -0.0010 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM  | 3624.99 | Outer_Full | 20 | LV | 7.50  | 0.0021 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | 12.80 | 0.0035 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |       | -30    | NV             | 15.20  | 0.0042  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | -20    | NV             | -4.90  | -0.0014 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | -10    | NV             | -7.90  | -0.0022 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 0      | NV             | 13.20  | 0.0036  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 10     | NV             | 8.70   | 0.0024  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 20     | NV             | -6.70  | -0.0018 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 30     | NV             | -10.70 | -0.0030 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 40     | NV             | 2.50   | 0.0007  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 50     | NV             | 12.60  | 0.0035  | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM | 3624.99 | Outer_Full | 20 | LV | 3.40  | 0.0009 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | 8.10  | 0.0022 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |       | -30    | NV             | 7.60   | 0.0021  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | -20    | NV             | 10.50  | 0.0029  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | -10    | NV             | -3.60  | -0.0010 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 0      | NV             | -5.00  | -0.0014 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 10     | NV             | 8.20   | 0.0023  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 20     | NV             | 19.50  | 0.0054  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 30     | NV             | -9.10  | -0.0025 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 40     | NV             | 22.00  | 0.0061  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |       | 50     | NV             | 4.70   | 0.0013  | >=-2.5 & <=2.5 | Pass |

### 3.2 30k\_SISO\_20MHz

#### 3.2.1 Test Result



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| 5G NR n48 SCS=30kHz SISO 20MHz |                 |               |            |                |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|----------------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt.          | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |                |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK           | 3624.99         | Outer_Full    | 20         | LV             | 6.50             | 0.0018                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -17.70           | -0.0049               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | 5.40             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -19.40           | -0.0054               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -3.90            | -0.0011               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -5.40            | -0.0015               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | -3.00            | -0.0008               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -4.80            | -0.0013               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | 0.50             | 0.0001                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -4.10            | -0.0011               | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | 13.40         | 0.0037     | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM QPSK                | 3624.99         | Outer_Full    | 20         | LV             | -8.80            | -0.0024               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -8.20            | -0.0023               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | 1.90             | 0.0005                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -7.10            | -0.0020               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -4.80            | -0.0013               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -12.60           | -0.0035               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | 11.60            | 0.0032                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | 12.20            | 0.0034                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | 6.70             | 0.0018                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -11.90           | -0.0033               | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | 6.70          | 0.0018     | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM 16 QAM              | 3624.99         | Outer_Full    | 20         | LV             | -9.00            | -0.0025               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -7.50            | -0.0021               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | -4.50            | -0.0012               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -12.70           | -0.0035               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -9.90            | -0.0027               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | 16.80            | 0.0046                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | -9.90            | -0.0027               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | 5.40             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | -4.70            | -0.0013               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | 2.00             | 0.0006                | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | -10.00        | -0.0028    | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM 64 QAM              | 3624.99         | Outer_Full    | 20         | LV             | 7.10             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -21.30           | -0.0059               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | -1.70            | -0.0005               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -12.70           | -0.0035               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | 4.20             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -6.60            | -0.0018               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | -18.10           | -0.0050               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -10.90           | -0.0030               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | -7.90            | -0.0022               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -6.00            | -0.0017               | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | -8.50         | -0.0023    | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM 256 QAM             | 3624.99         | Outer_Full    | 20         | LV             | -9.70            | -0.0027               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -4.90            | -0.0014               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | -12.40           | -0.0034               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | -14.60           | -0.0040               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -1.90            | -0.0005               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | NV             | 2.90             | 0.0008                | >=-2.5 & <=2.5 | Pass    |
| 10                             | NV              | 10.00         | 0.0028     | >=-2.5 & <=2.5 | Pass             |                       |                |         |



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|                 |         |            |    |    |        |         |                |        |         |                |      |
|-----------------|---------|------------|----|----|--------|---------|----------------|--------|---------|----------------|------|
|                 |         |            | 20 | NV | -8.80  | -0.0024 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            | 30 | NV | -10.40 | -0.0029 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            | 40 | NV | -7.70  | -0.0021 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            | 50 | NV | -8.80  | -0.0024 | >=-2.5 & <=2.5 | Pass   |         |                |      |
| CP-OFDM QPSK    | 3624.99 | Outer_Full | 20 | LV | -4.90  | -0.0014 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | -5.30  | -0.0015 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |        | -30     | NV             | -8.50  | -0.0023 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -20     | NV             | 5.70   | 0.0016  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -10     | NV             | -7.80  | -0.0022 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 0       | NV             | 3.90   | 0.0011  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 10      | NV             | -7.00  | -0.0019 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 20      | NV             | 14.50  | 0.0040  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 30      | NV             | -7.00  | -0.0019 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 40      | NV             | 2.70   | 0.0007  | >=-2.5 & <=2.5 | Pass |
|                 |         |            | 50 | NV | -8.30  | -0.0023 | >=-2.5 & <=2.5 | Pass   |         |                |      |
| CP-OFDM 16 QAM  | 3624.99 | Outer_Full | 20 | LV | -7.90  | -0.0022 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | -6.80  | -0.0019 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |        | -30     | NV             | -7.30  | -0.0020 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -20     | NV             | -9.20  | -0.0025 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -10     | NV             | -10.20 | -0.0028 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 0       | NV             | -6.60  | -0.0018 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 10      | NV             | -4.30  | -0.0012 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 20      | NV             | -6.10  | -0.0017 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 30      | NV             | 6.30   | 0.0017  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 40      | NV             | -4.90  | -0.0014 | >=-2.5 & <=2.5 | Pass |
|                 |         |            | 50 | NV | -19.60 | -0.0054 | >=-2.5 & <=2.5 | Pass   |         |                |      |
| CP-OFDM 64 QAM  | 3624.99 | Outer_Full | 20 | LV | 5.50   | 0.0015  | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | 16.90  | 0.0047  | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |        | -30     | NV             | -5.40  | -0.0015 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -20     | NV             | 3.90   | 0.0011  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -10     | NV             | 6.80   | 0.0019  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 0       | NV             | 3.80   | 0.0010  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 10      | NV             | -5.80  | -0.0016 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 20      | NV             | 7.30   | 0.0020  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 30      | NV             | 3.30   | 0.0009  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 40      | NV             | 4.10   | 0.0011  | >=-2.5 & <=2.5 | Pass |
|                 |         |            | 50 | NV | -5.40  | -0.0015 | >=-2.5 & <=2.5 | Pass   |         |                |      |
| CP-OFDM 256 QAM | 3624.99 | Outer_Full | 20 | LV | -6.40  | -0.0018 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | -10.50 | -0.0029 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |        | -30     | NV             | -5.40  | -0.0015 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -20     | NV             | -10.20 | -0.0028 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -10     | NV             | -12.00 | -0.0033 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 0       | NV             | -7.20  | -0.0020 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 10      | NV             | -8.80  | -0.0024 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 20      | NV             | -14.50 | -0.0040 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 30      | NV             | 7.10   | 0.0020  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 40      | NV             | -2.80  | -0.0008 | >=-2.5 & <=2.5 | Pass |
|                 |         |            | 50 | NV | -1.30  | -0.0004 | >=-2.5 & <=2.5 | Pass   |         |                |      |

### 3.3 30k\_SISO\_30MHz

#### 3.3.1 Test Result



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| 5G NR n48 SCS=30kHz SISO 30MHz |                 |               |            |                |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|----------------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt.          | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |                |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK           | 3624.99         | Outer_Full    | 20         | LV             | 9.10             | 0.0025                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -7.80            | -0.0022               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | -17.50           | -0.0048               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | -13.90           | -0.0038               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -15.60           | -0.0043               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | 3.90             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV             | 7.50             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV             | 1.20             | 0.0003                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | 4.00             | 0.0011                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV             | -5.70            | -0.0016               | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | 3.60          | 0.0010     | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM QPSK                | 3624.99         | Outer_Full    | 20         | LV             | -5.10            | -0.0014               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | 6.00             | 0.0017                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | -6.90            | -0.0019               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | -7.60            | -0.0021               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -6.10            | -0.0017               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | -7.60            | -0.0021               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV             | -4.90            | -0.0014               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV             | -17.60           | -0.0049               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | -7.70            | -0.0021               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV             | -1.40            | -0.0004               | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | 22.60         | 0.0062     | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM 16 QAM              | 3624.99         | Outer_Full    | 20         | LV             | -3.30            | -0.0009               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -9.80            | -0.0027               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | -14.20           | -0.0039               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | -17.50           | -0.0048               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -12.60           | -0.0035               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | -21.60           | -0.0060               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV             | -6.60            | -0.0018               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV             | -12.50           | -0.0034               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | -16.80           | -0.0046               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV             | 5.10             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | -11.50        | -0.0032    | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM 64 QAM              | 3624.99         | Outer_Full    | 20         | LV             | 4.80             | 0.0013                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | 7.00             | 0.0019                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | -5.40            | -0.0015               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | -13.30           | -0.0037               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | 1.50             | 0.0004                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | -7.70            | -0.0021               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV             | -23.40           | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV             | -13.10           | -0.0036               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | -9.40            | -0.0026               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV             | -6.90            | -0.0019               | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | -15.00        | -0.0041    | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM 256 QAM             | 3624.99         | Outer_Full    | 20         | LV             | 4.30             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -5.50            | -0.0015               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | 10.20            | 0.0028                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | 5.90             | 0.0016                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -8.30            | -0.0023               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | 7.70             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
| 10                             | NV              | -6.40         | -0.0018    | >=-2.5 & <=2.5 | Pass             |                       |                |         |



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|                 |         |            |    |    |        |         |                |        |         |                |      |
|-----------------|---------|------------|----|----|--------|---------|----------------|--------|---------|----------------|------|
|                 |         |            | 20 | NV | 0.70   | 0.0002  | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            | 30 | NV | 11.70  | 0.0032  | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            | 40 | NV | -5.30  | -0.0015 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            | 50 | NV | -3.00  | -0.0008 | >=-2.5 & <=2.5 | Pass   |         |                |      |
| CP-OFDM QPSK    | 3624.99 | Outer_Full | 20 | LV | 3.10   | 0.0009  | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | 10.90  | 0.0030  | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |        | -30     | NV             | -4.40  | -0.0012 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -20     | NV             | -20.30 | -0.0056 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -10     | NV             | 2.60   | 0.0007  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 0       | NV             | 4.70   | 0.0013  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 10      | NV             | -7.00  | -0.0019 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 20      | NV             | -6.40  | -0.0018 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 30      | NV             | -6.40  | -0.0018 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 40      | NV             | -4.40  | -0.0012 | >=-2.5 & <=2.5 | Pass |
|                 |         |            | 50 | NV | 4.20   | 0.0012  | >=-2.5 & <=2.5 | Pass   |         |                |      |
| CP-OFDM 16 QAM  | 3624.99 | Outer_Full | 20 | LV | -3.30  | -0.0009 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | -2.50  | -0.0007 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |        | -30     | NV             | 4.80   | 0.0013  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -20     | NV             | -9.40  | -0.0026 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -10     | NV             | 6.80   | 0.0019  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 0       | NV             | 7.00   | 0.0019  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 10      | NV             | -10.50 | -0.0029 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 20      | NV             | 11.00  | 0.0030  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 30      | NV             | -7.20  | -0.0020 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 40      | NV             | -8.10  | -0.0022 | >=-2.5 & <=2.5 | Pass |
|                 |         |            | 50 | NV | -8.30  | -0.0023 | >=-2.5 & <=2.5 | Pass   |         |                |      |
| CP-OFDM 64 QAM  | 3624.99 | Outer_Full | 20 | LV | -3.10  | -0.0009 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | -13.60 | -0.0038 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |        | -30     | NV             | -17.40 | -0.0048 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -20     | NV             | -12.30 | -0.0034 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -10     | NV             | -13.10 | -0.0036 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 0       | NV             | 11.50  | 0.0032  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 10      | NV             | -16.60 | -0.0046 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 20      | NV             | 11.10  | 0.0031  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 30      | NV             | -4.60  | -0.0013 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 40      | NV             | -12.90 | -0.0036 | >=-2.5 & <=2.5 | Pass |
|                 |         |            | 50 | NV | 13.00  | 0.0036  | >=-2.5 & <=2.5 | Pass   |         |                |      |
| CP-OFDM 256 QAM | 3624.99 | Outer_Full | 20 | LV | -6.70  | -0.0018 | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    | HV | 3.30   | 0.0009  | >=-2.5 & <=2.5 | Pass   |         |                |      |
|                 |         |            |    |    |        | -30     | NV             | -7.40  | -0.0020 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -20     | NV             | -4.80  | -0.0013 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | -10     | NV             | -5.00  | -0.0014 | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 0       | NV             | 8.10   | 0.0022  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 10      | NV             | 6.10   | 0.0017  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 20      | NV             | 4.70   | 0.0013  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 30      | NV             | 3.40   | 0.0009  | >=-2.5 & <=2.5 | Pass |
|                 |         |            |    |    |        | 40      | NV             | -4.50  | -0.0012 | >=-2.5 & <=2.5 | Pass |
|                 |         |            | 50 | NV | 1.80   | 0.0005  | >=-2.5 & <=2.5 | Pass   |         |                |      |

### 3.4 30k\_SISO\_40MHz

#### 3.4.1 Test Result



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| 5G NR n48 SCS=30kHz SISO 40MHz |                 |               |            |                |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|----------------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt.          | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |                |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK           | 3624.99         | Outer_Full    | 20         | LV             | -10.20           | -0.0028               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | 6.50             | 0.0018                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | 2.60             | 0.0007                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | -1.50            | -0.0004               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -2.30            | -0.0006               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | 12.80            | 0.0035                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV             | 9.70             | 0.0027                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV             | -10.30           | -0.0028               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | 1.00             | 0.0003                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV             | -6.50            | -0.0018               | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | -7.60         | -0.0021    | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM QPSK                | 3624.99         | Outer_Full    | 20         | LV             | -14.50           | -0.0040               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -6.80            | -0.0019               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | -3.10            | -0.0009               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | -12.40           | -0.0034               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | 2.40             | 0.0007                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | -6.30            | -0.0017               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV             | 10.00            | 0.0028                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV             | 4.80             | 0.0013                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | -4.20            | -0.0012               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV             | 18.80            | 0.0052                | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | 10.90         | 0.0030     | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM 16 QAM              | 3624.99         | Outer_Full    | 20         | LV             | -14.50           | -0.0040               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -3.80            | -0.0010               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | 6.30             | 0.0017                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | -6.60            | -0.0018               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | 5.60             | 0.0015                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | 4.70             | 0.0013                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV             | 3.70             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV             | 6.10             | 0.0017                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | -1.10            | -0.0003               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV             | -6.30            | -0.0017               | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | 8.50          | 0.0023     | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM 64 QAM              | 3624.99         | Outer_Full    | 20         | LV             | 9.80             | 0.0027                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -6.90            | -0.0019               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | 7.30             | 0.0020                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | -8.90            | -0.0025               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | 6.60             | 0.0018                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | -3.80            | -0.0010               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV             | 5.20             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV             | 0.90             | 0.0002                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV             | 13.80            | 0.0038                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV             | 10.50            | 0.0029                | >=-2.5 & <=2.5 | Pass    |
| 50                             | NV              | -9.80         | -0.0027    | >=-2.5 & <=2.5 | Pass             |                       |                |         |
| DFT-s-OFDM 256 QAM             | 3624.99         | Outer_Full    | 20         | LV             | -5.60            | -0.0015               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV             | -8.10            | -0.0022               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV             | 4.30             | 0.0012                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV             | -2.90            | -0.0008               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV             | -3.90            | -0.0011               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV             | 5.20             | 0.0014                | >=-2.5 & <=2.5 | Pass    |
| 10                             | NV              | -11.00        | -0.0030    | >=-2.5 & <=2.5 | Pass             |                       |                |         |



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|                 |         |            |         |                          |        |         |                          |      |
|-----------------|---------|------------|---------|--------------------------|--------|---------|--------------------------|------|
|                 |         |            | 20      | NV                       | 6.60   | 0.0018  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 30      | NV                       | -1.80  | -0.0005 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 40      | NV                       | 3.60   | 0.0010  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 50      | NV                       | -5.40  | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK    | 3624.99 | Outer_Full | 20      | LV                       | 5.50   | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            |         | HV                       | 7.80   | 0.0022  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -30     | NV                       | 14.10  | 0.0039  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -20     | NV                       | -5.30  | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -10     | NV                       | 2.40   | 0.0007  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 0       | NV                       | -5.00  | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 10      | NV                       | 11.80  | 0.0033  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20      | NV                       | 1.80   | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 30      | NV                       | 7.50   | 0.0021  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 40      | NV                       | -7.10  | -0.0020 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| 50              | NV      | 7.50       | 0.0021  | $\geq -2.5$ & $\leq 2.5$ | Pass   |         |                          |      |
| CP-OFDM 16 QAM  | 3624.99 | Outer_Full | 20      | LV                       | 12.80  | 0.0035  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            |         | HV                       | -5.60  | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -30     | NV                       | -7.90  | -0.0022 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -20     | NV                       | -5.20  | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -10     | NV                       | 13.80  | 0.0038  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 0       | NV                       | -9.00  | -0.0025 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 10      | NV                       | 12.70  | 0.0035  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20      | NV                       | 11.60  | 0.0032  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 30      | NV                       | -9.30  | -0.0026 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 40      | NV                       | 8.10   | 0.0022  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| 50              | NV      | 7.50       | 0.0021  | $\geq -2.5$ & $\leq 2.5$ | Pass   |         |                          |      |
| CP-OFDM 64 QAM  | 3624.99 | Outer_Full | 20      | LV                       | 5.40   | 0.0015  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            |         | HV                       | 6.50   | 0.0018  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -30     | NV                       | -2.50  | -0.0007 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -20     | NV                       | -9.90  | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -10     | NV                       | -6.00  | -0.0017 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 0       | NV                       | -4.30  | -0.0012 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 10      | NV                       | 11.40  | 0.0031  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20      | NV                       | 12.60  | 0.0035  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 30      | NV                       | -3.40  | -0.0009 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 40      | NV                       | 10.90  | 0.0030  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| 50              | NV      | -11.50     | -0.0032 | $\geq -2.5$ & $\leq 2.5$ | Pass   |         |                          |      |
| CP-OFDM 256 QAM | 3624.99 | Outer_Full | 20      | LV                       | -11.10 | -0.0031 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            |         | HV                       | -5.40  | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -30     | NV                       | -7.00  | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -20     | NV                       | 7.10   | 0.0020  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | -10     | NV                       | -5.20  | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 0       | NV                       | -3.80  | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 10      | NV                       | 11.00  | 0.0030  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 20      | NV                       | 2.10   | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 30      | NV                       | 8.10   | 0.0022  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                 |         |            | 40      | NV                       | 2.30   | 0.0006  | $\geq -2.5$ & $\leq 2.5$ | Pass |
| 50              | NV      | 12.20      | 0.0034  | $\geq -2.5$ & $\leq 2.5$ | Pass   |         |                          |      |

## 4. Modulation Characteristics

### 4.1 30k\_SISO\_40MHz\_NTNV



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4.1.1 Test Result

| 5G NR n48 SCS=30kHz SISO 40MHz NTV |                 |               |                            |      |     |         |
|------------------------------------|-----------------|---------------|----------------------------|------|-----|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Modulation Characteristics |      |     | Verdict |
|                                    |                 |               | Ant1                       | Ant2 | Sum |         |
| DFT-s-OFDM PI/2 BPSK               | 3624.99         | Outer_Full    | Refer To Test Graph        |      |     | ?       |
| DFT-s-OFDM QPSK                    | 3624.99         | Outer_Full    | Refer To Test Graph        |      |     | ?       |
| DFT-s-OFDM 16 QAM                  | 3624.99         | Outer_Full    | Refer To Test Graph        |      |     | ?       |
| DFT-s-OFDM 64 QAM                  | 3624.99         | Outer_Full    | Refer To Test Graph        |      |     | ?       |
| DFT-s-OFDM 256 QAM                 | 3624.99         | Outer_Full    | Refer To Test Graph        |      |     | ?       |
| CP-OFDM QPSK                       | 3624.99         | Outer_Full    | Refer To Test Graph        |      |     | ?       |
| CP-OFDM 16 QAM                     | 3624.99         | Outer_Full    | Refer To Test Graph        |      |     | ?       |
| CP-OFDM 64 QAM                     | 3624.99         | Outer_Full    | Refer To Test Graph        |      |     | ?       |
| CP-OFDM 256 QAM                    | 3624.99         | Outer_Full    | Refer To Test Graph        |      |     | ?       |



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4.1.2 Test Graph

n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM PI/2 BPSK\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Outer\_Full



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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 16 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



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n48\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full



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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



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n48\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_256\_QAM\_3624.99MHz\_Outer\_Full



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5. 99% & 26dB Bandwidth

5.1 30k\_SISO\_10MHz\_NTNV

5.1.1 Test Result

| 5G NR n48 SCS=30kHz SISO 10MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 3555            | Outer_Full    | 8.71                | 10.17                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 8.63                | 9.77                 | /           | Pass    |
|                                    | 3694.98         | Outer_Full    | 8.73                | 9.88                 | /           | Pass    |
| DFT-s-OFDM QPSK                    | 3555            | Outer_Full    | 8.75                | 10.28                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 8.66                | 9.36                 | /           | Pass    |
|                                    | 3694.98         | Outer_Full    | 8.69                | 9.85                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 3555            | Outer_Full    | 8.78                | 10.30                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 8.72                | 9.93                 | /           | Pass    |
|                                    | 3694.98         | Outer_Full    | 8.67                | 9.92                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 3555            | Outer_Full    | 8.72                | 10.27                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 8.58                | 10.05                | /           | Pass    |
|                                    | 3694.98         | Outer_Full    | 8.62                | 9.71                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 3555            | Outer_Full    | 8.74                | 10.20                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 8.64                | 9.46                 | /           | Pass    |
|                                    | 3694.98         | Outer_Full    | 8.67                | 9.70                 | /           | Pass    |
| CP-OFDM QPSK                       | 3555            | Outer_Full    | 8.70                | 10.15                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 8.65                | 9.79                 | /           | Pass    |
|                                    | 3694.98         | Outer_Full    | 8.69                | 9.63                 | /           | Pass    |
| CP-OFDM 16 QAM                     | 3555            | Outer_Full    | 8.73                | 10.32                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 8.68                | 9.61                 | /           | Pass    |
|                                    | 3694.98         | Outer_Full    | 8.70                | 9.65                 | /           | Pass    |
| CP-OFDM 64 QAM                     | 3555            | Outer_Full    | 8.70                | 10.09                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 8.68                | 9.86                 | /           | Pass    |
|                                    | 3694.98         | Outer_Full    | 8.72                | 9.64                 | /           | Pass    |
| CP-OFDM 256 QAM                    | 3555            | Outer_Full    | 8.72                | 10.30                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 8.71                | 9.36                 | /           | Pass    |
|                                    | 3694.98         | Outer_Full    | 8.66                | 9.34                 | /           | Pass    |



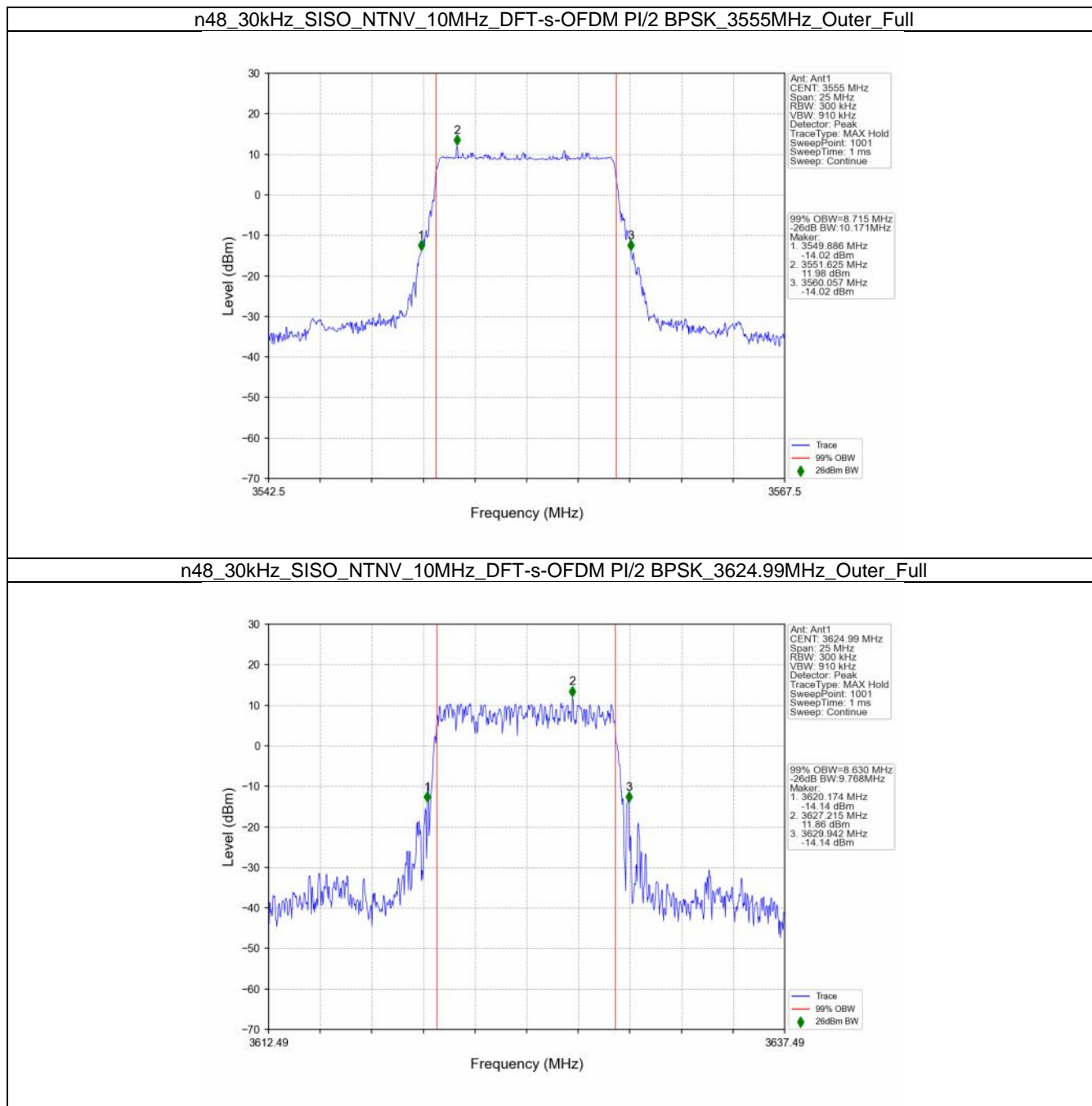
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## 5.1.2 Test Graph

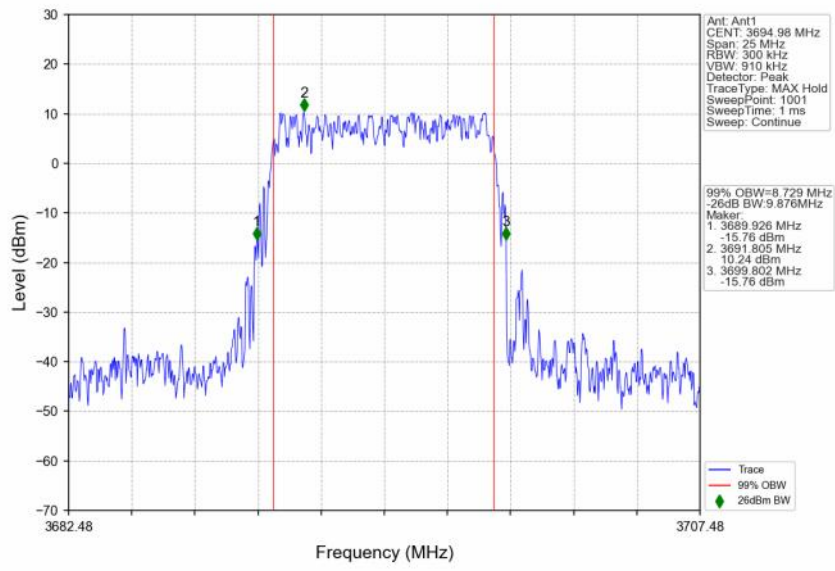


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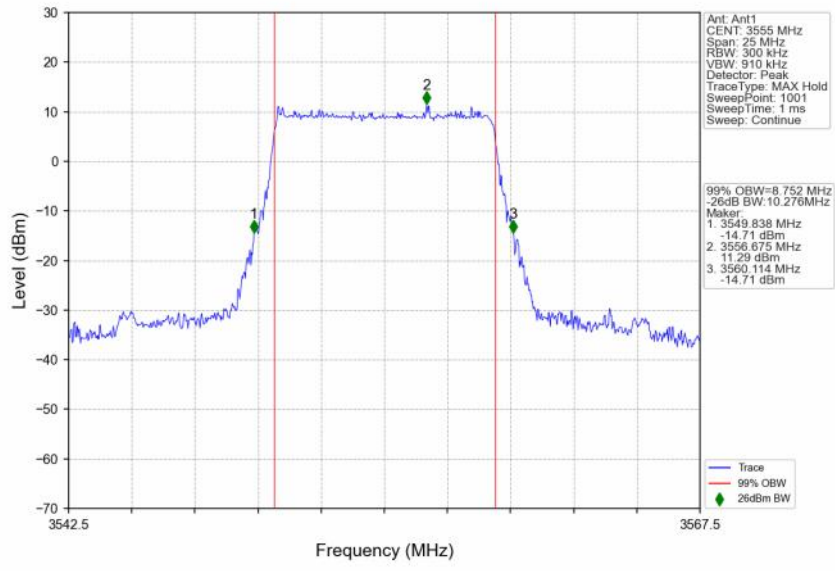
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3555MHz\_Outer\_Full

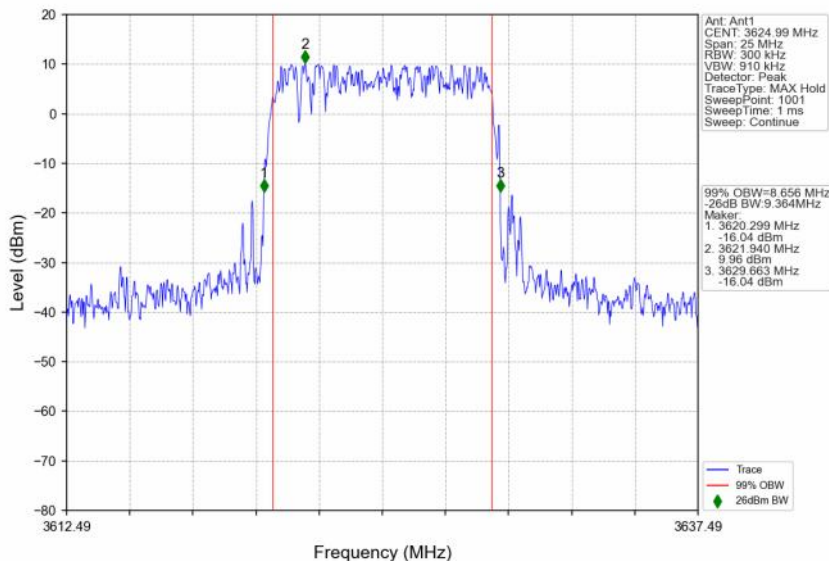


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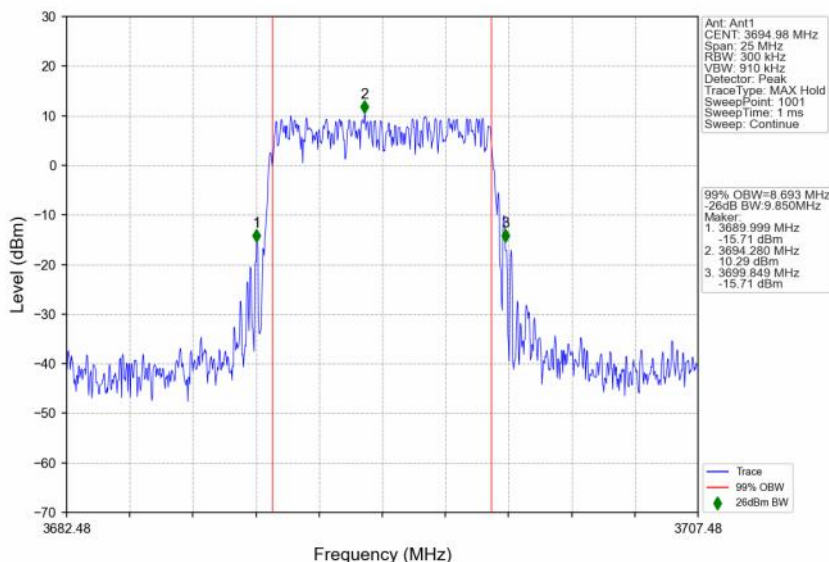
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3694.98MHz\_Outer\_Full

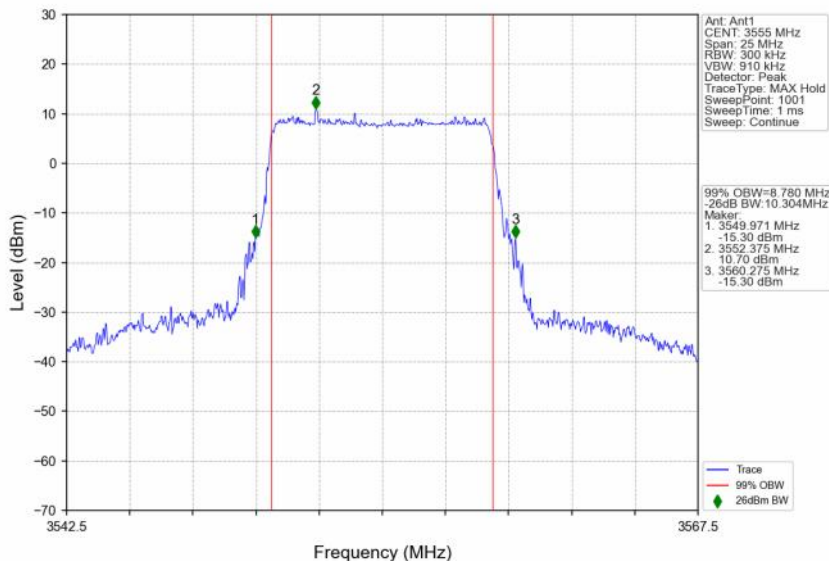


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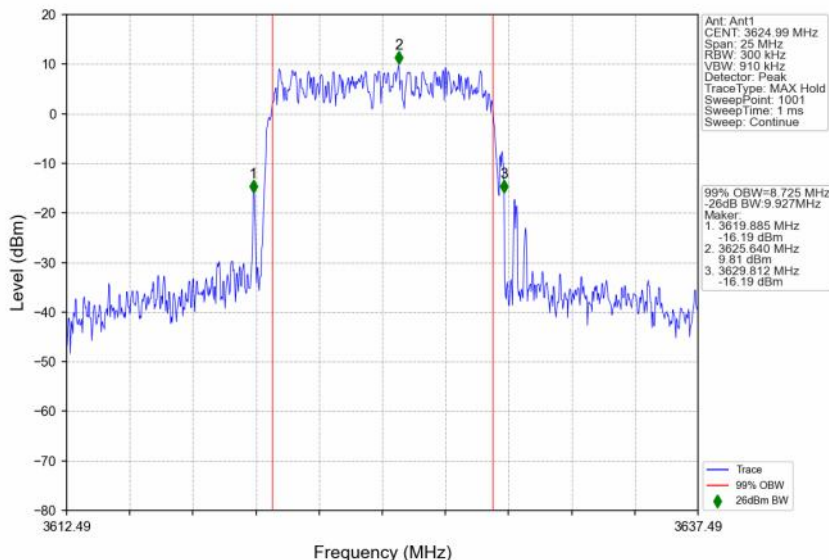
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16 QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16 QAM\_3624.99MHz\_Outer\_Full



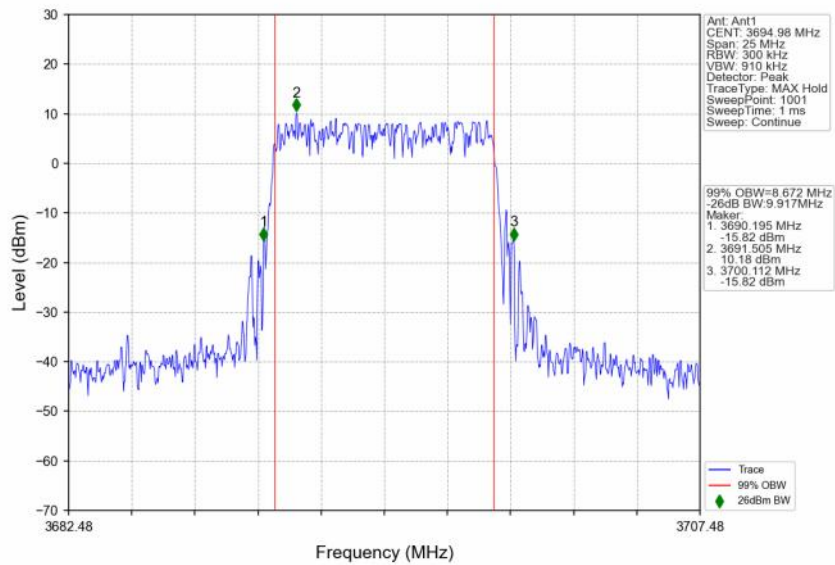
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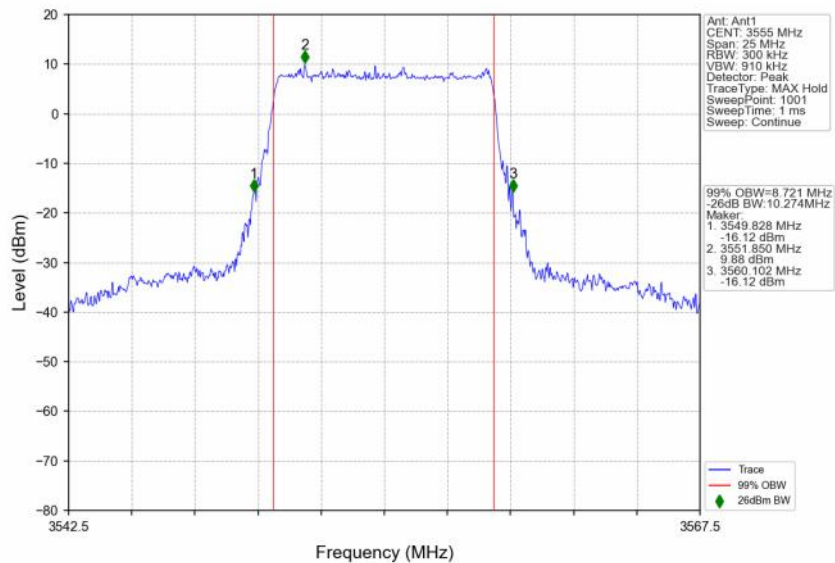
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3555MHz\_Outer\_Full

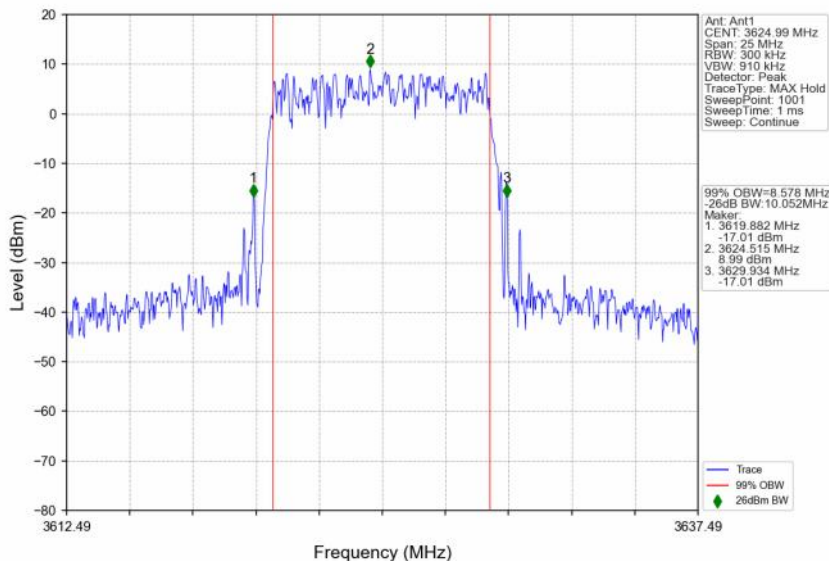


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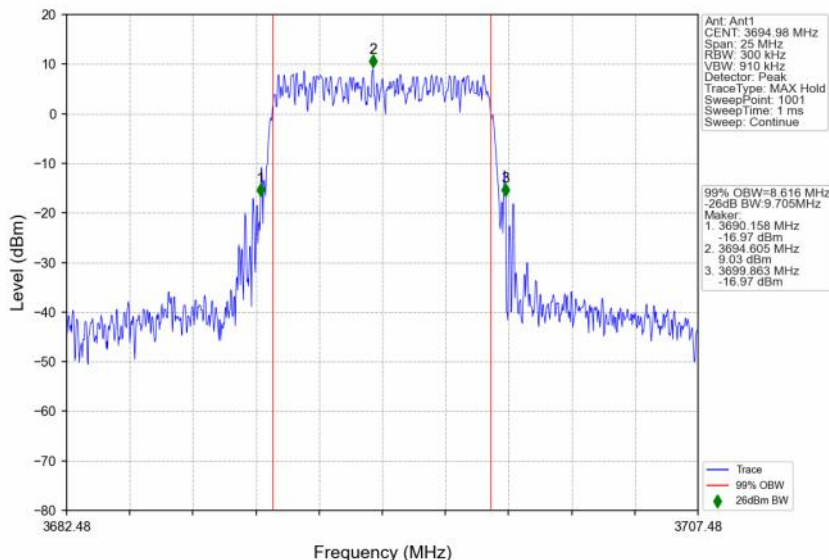
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3694.98MHz\_Outer\_Full

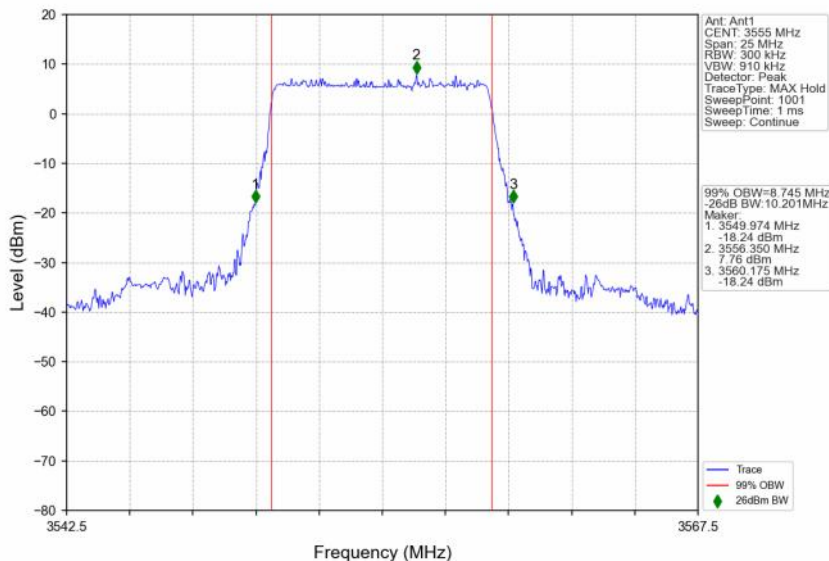


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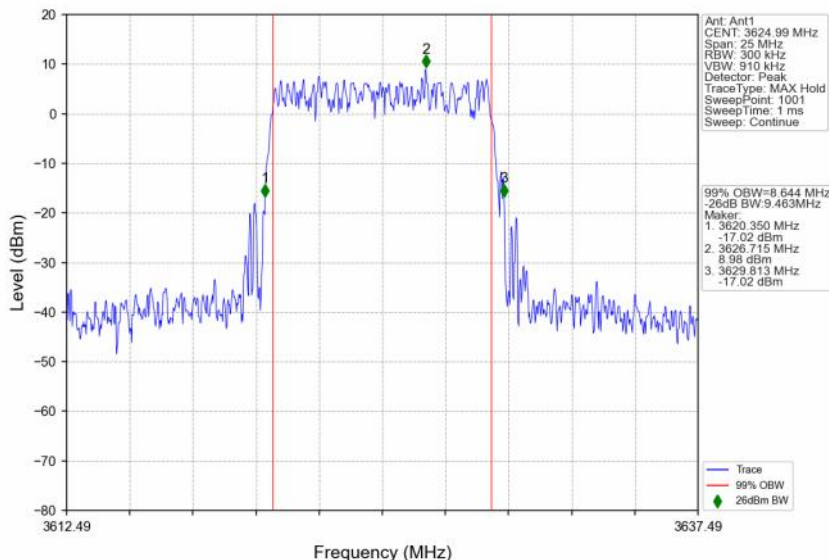
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3624.99MHz\_Outer\_Full

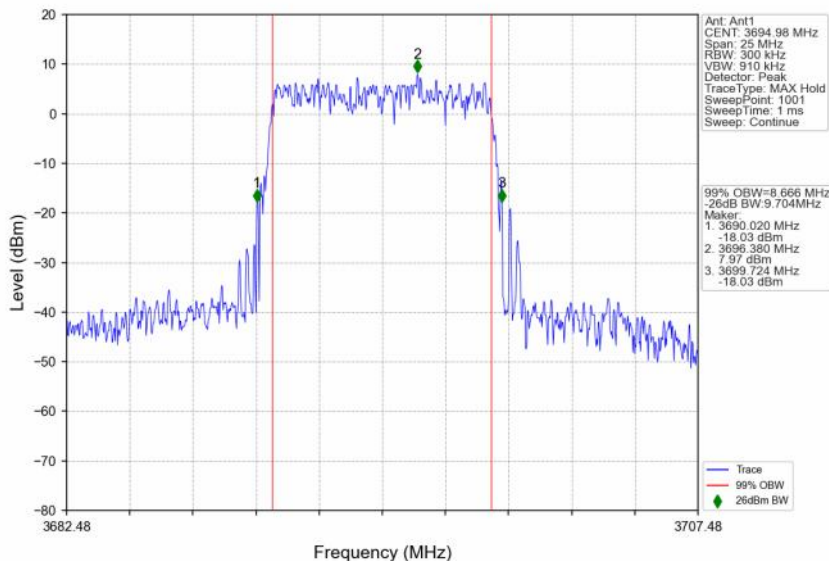


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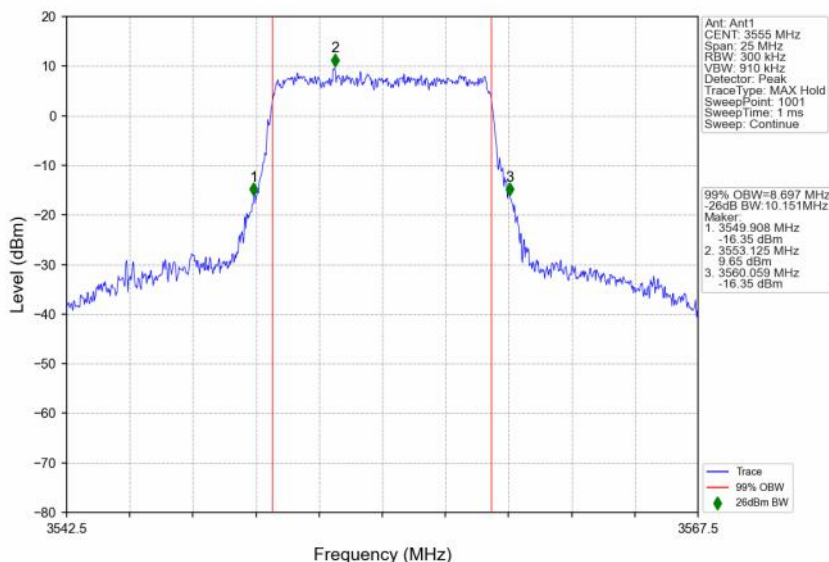
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n48\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3555MHz\_Outer\_Full



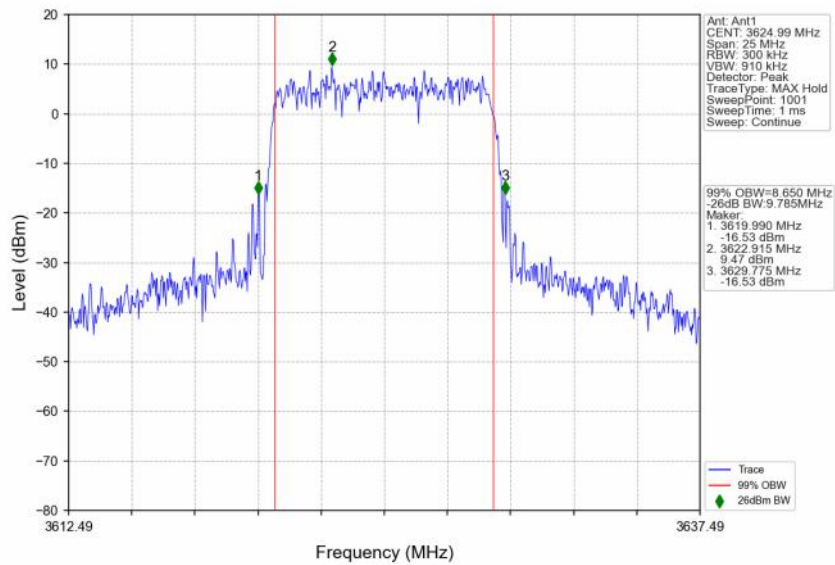
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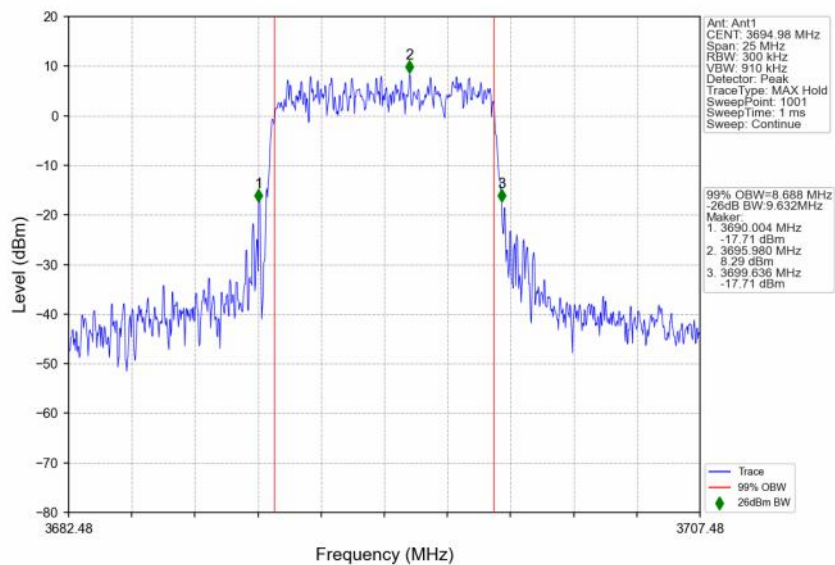
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3624.99MHz\_Outer\_Full



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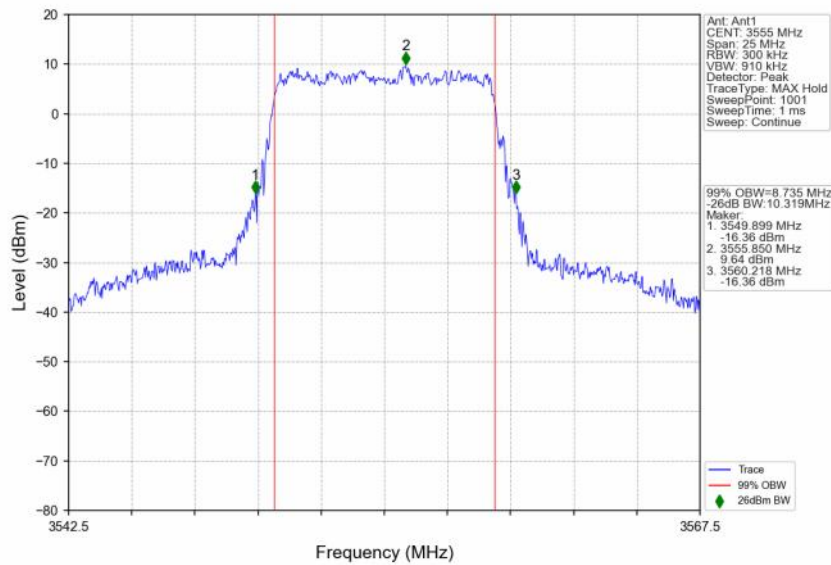


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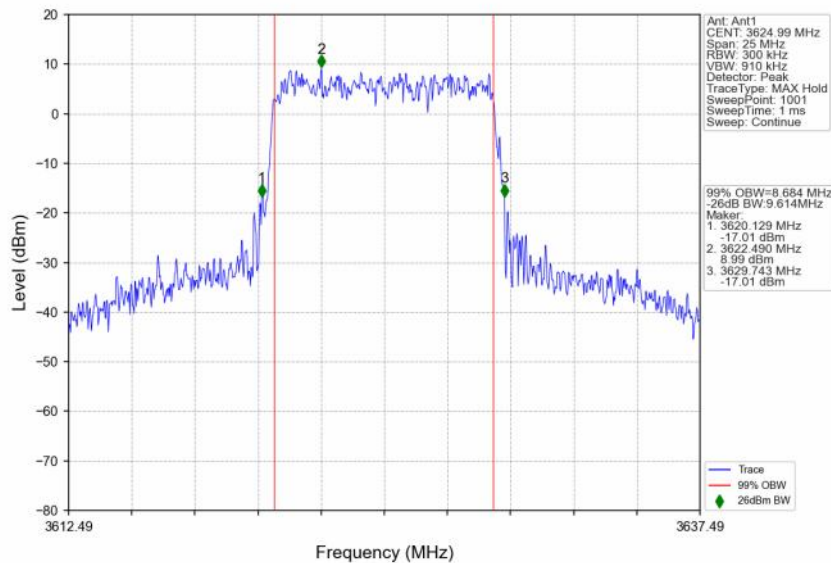
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full

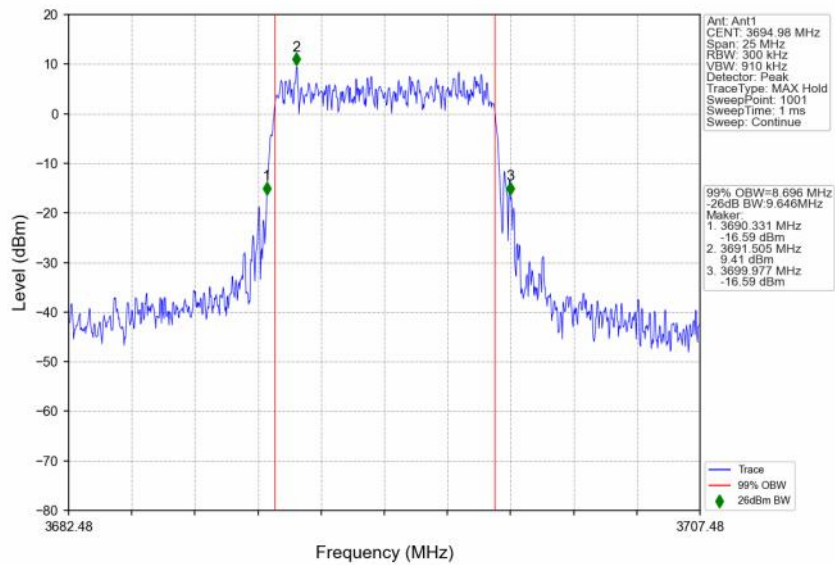


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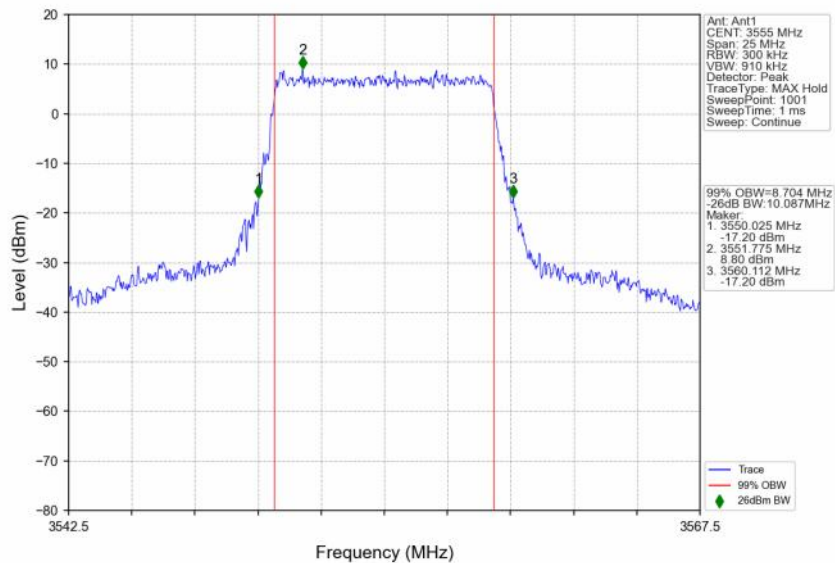
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3694.98MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3555MHz\_Outer\_Full

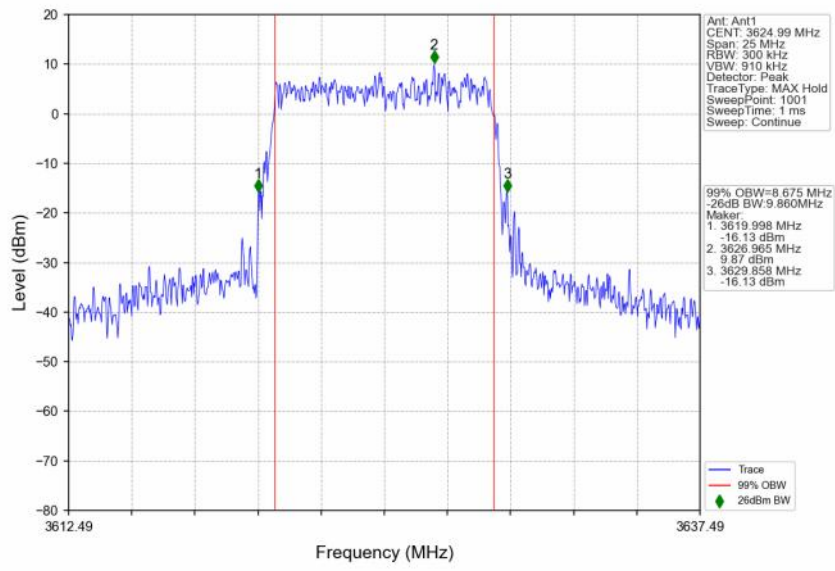


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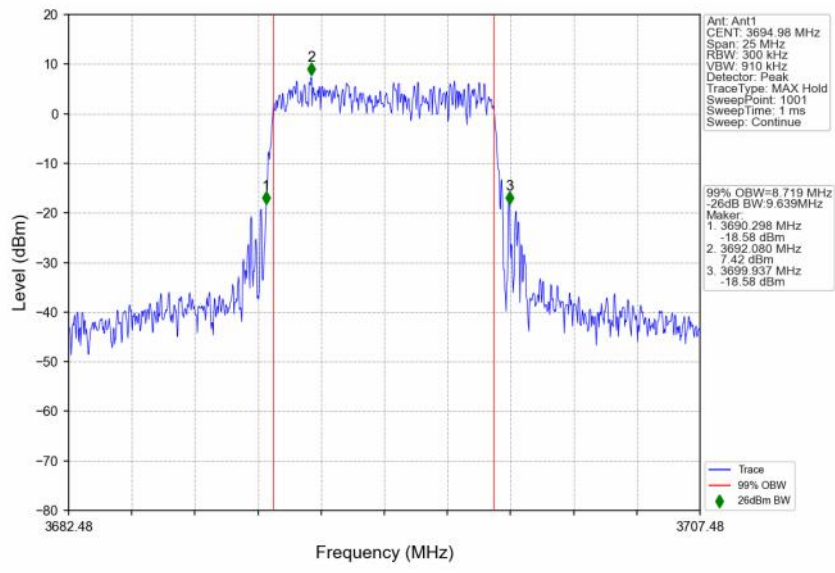
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



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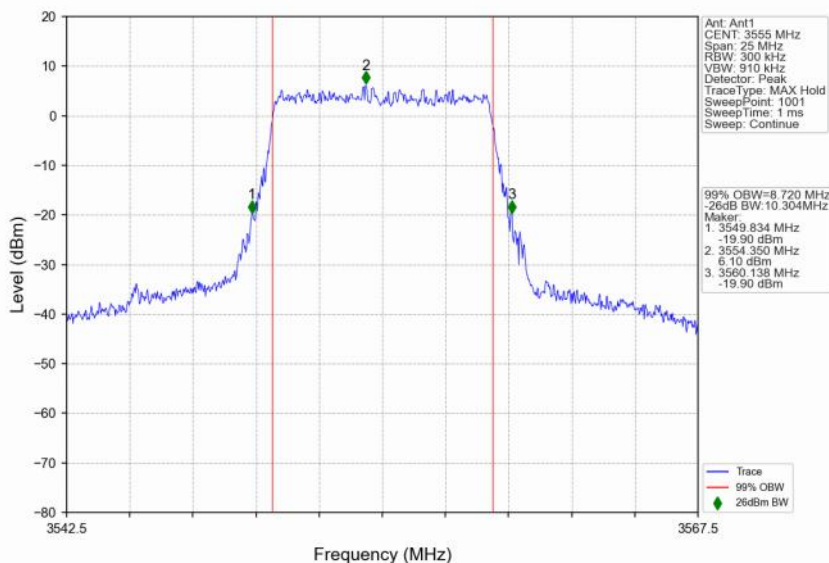
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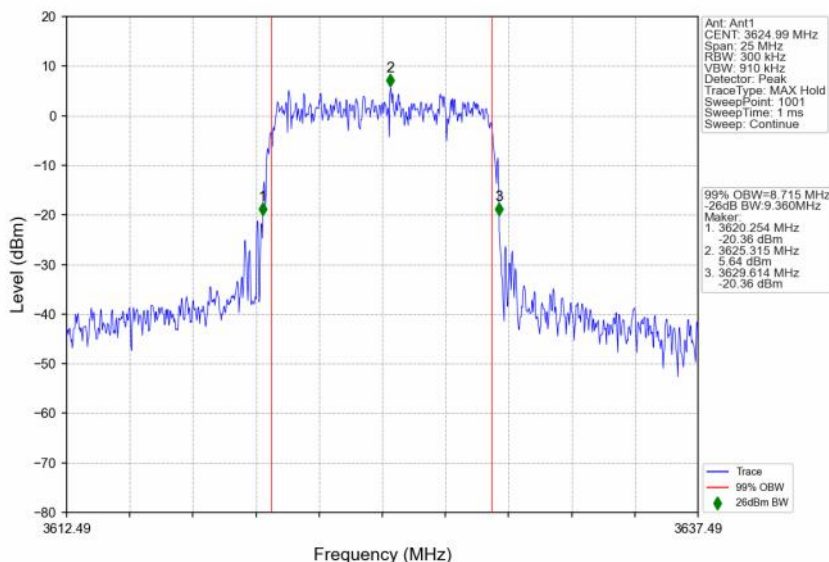
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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3555MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3624.99MHz\_Outer\_Full

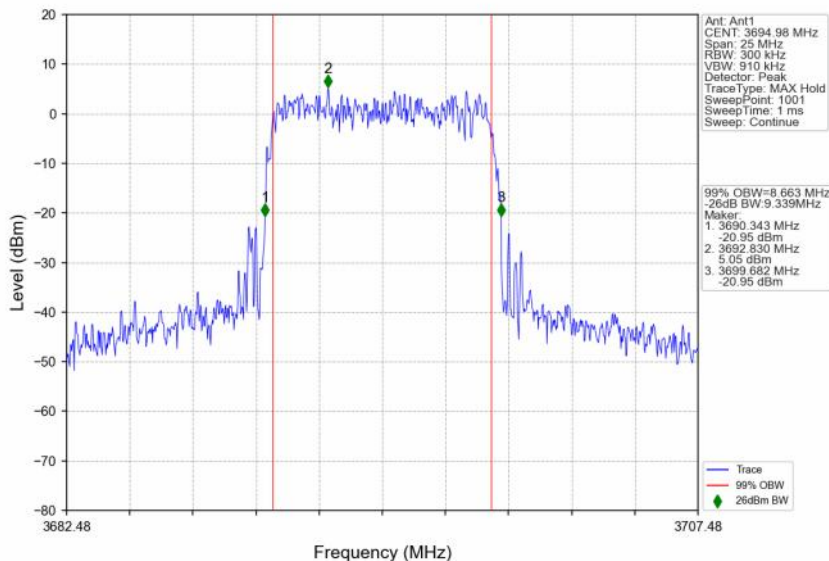


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n48\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 256 QAM\_3694.98MHz\_Outer\_Full



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5.2 30k\_SISO\_20MHz\_NTNV

5.2.1 Test Result

| 5G NR n48 SCS=30kHz SISO 20MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 3560.01         | Outer_Full    | 18.13               | 19.79                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.11               | 19.31                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.04               | 19.57                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 3560.01         | Outer_Full    | 18.11               | 19.99                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 17.98               | 19.63                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.07               | 19.43                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 3560.01         | Outer_Full    | 18.15               | 19.89                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.02               | 19.38                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.04               | 19.57                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 3560.01         | Outer_Full    | 18.12               | 19.98                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 17.98               | 19.72                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.01               | 19.69                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 3560.01         | Outer_Full    | 18.08               | 19.95                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.11               | 19.18                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.07               | 19.78                | /           | Pass    |
| CP-OFDM QPSK                       | 3560.01         | Outer_Full    | 18.43               | 20.35                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.39               | 19.75                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.28               | 20.37                | /           | Pass    |
| CP-OFDM 16 QAM                     | 3560.01         | Outer_Full    | 18.39               | 20.48                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.37               | 19.72                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.33               | 19.65                | /           | Pass    |
| CP-OFDM 64 QAM                     | 3560.01         | Outer_Full    | 18.44               | 20.30                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.41               | 20.15                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.37               | 19.79                | /           | Pass    |
| CP-OFDM 256 QAM                    | 3560.01         | Outer_Full    | 18.43               | 20.47                | /           | Pass    |
|                                    | 3624.99         | Outer_Full    | 18.22               | 19.89                | /           | Pass    |
|                                    | 3690            | Outer_Full    | 18.29               | 19.68                | /           | Pass    |

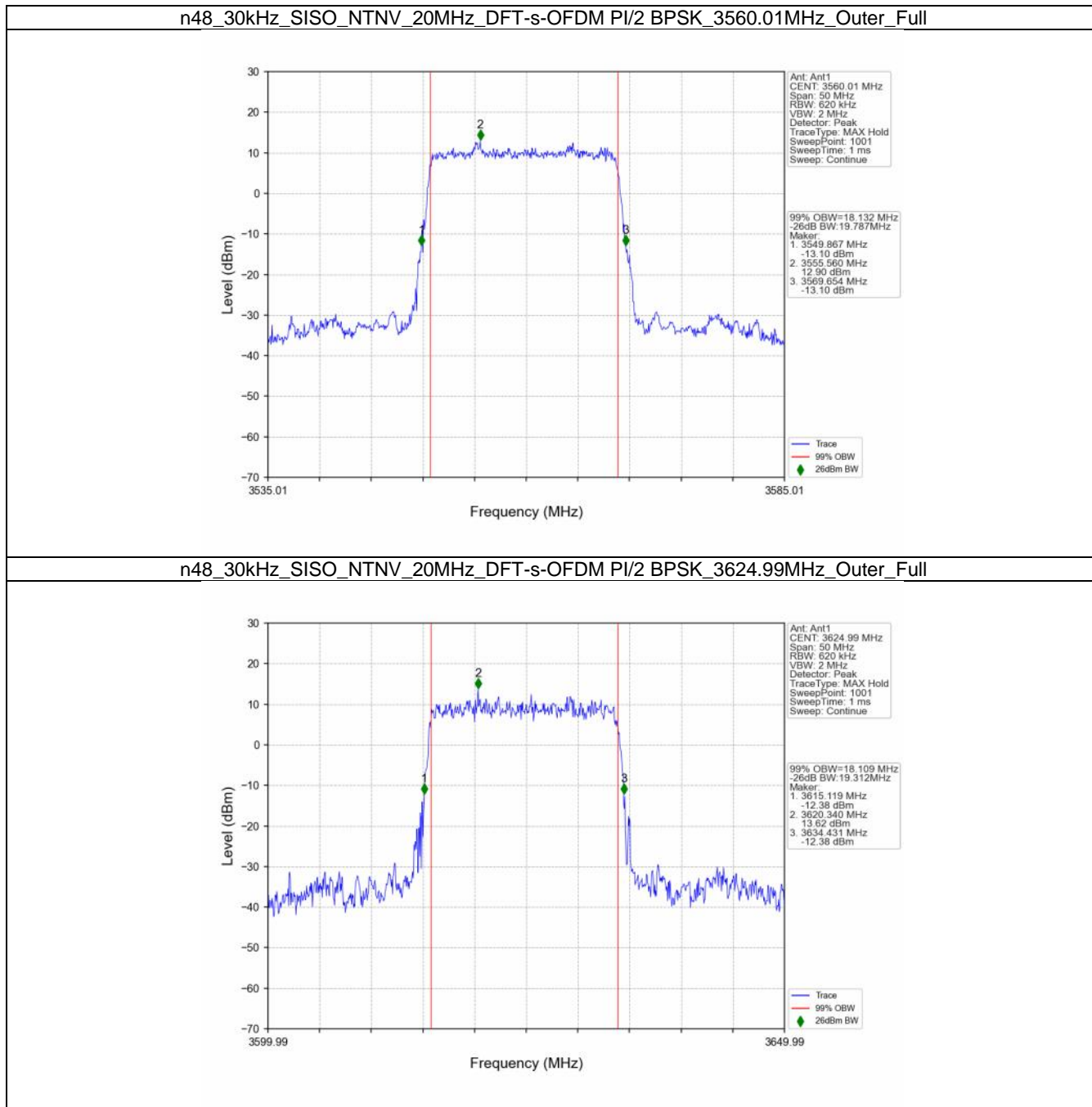


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## 5.2.2 Test Graph



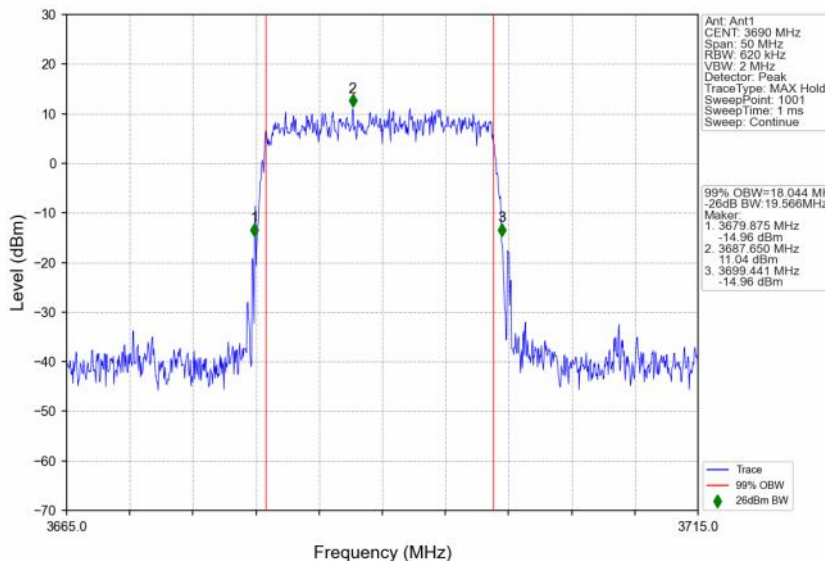
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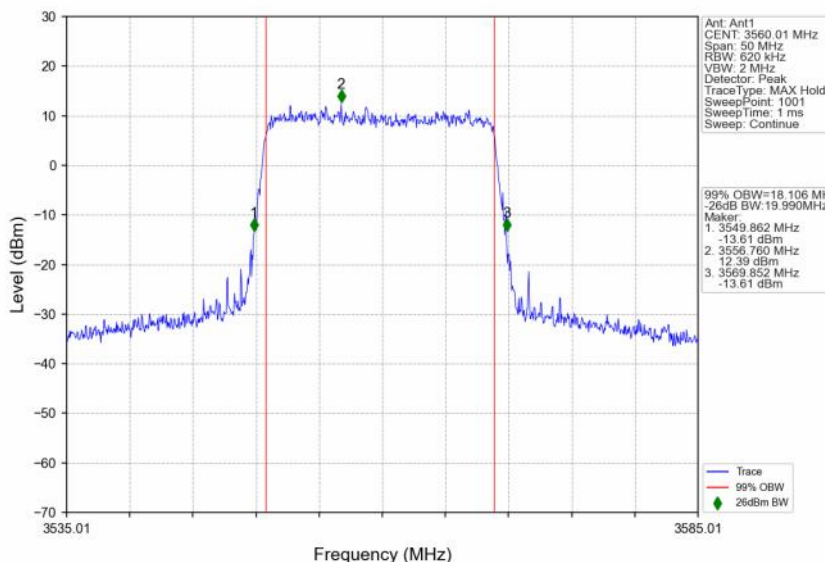
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3690MHz\_Outer\_Full



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

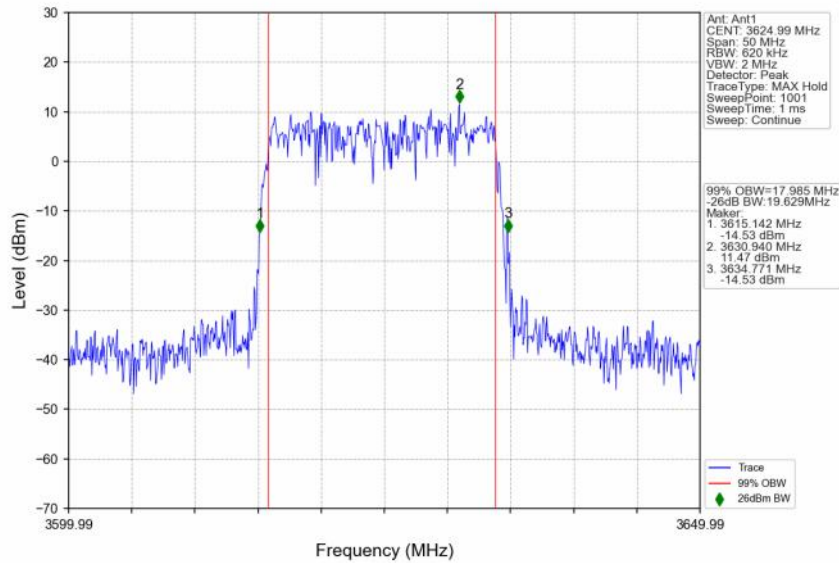


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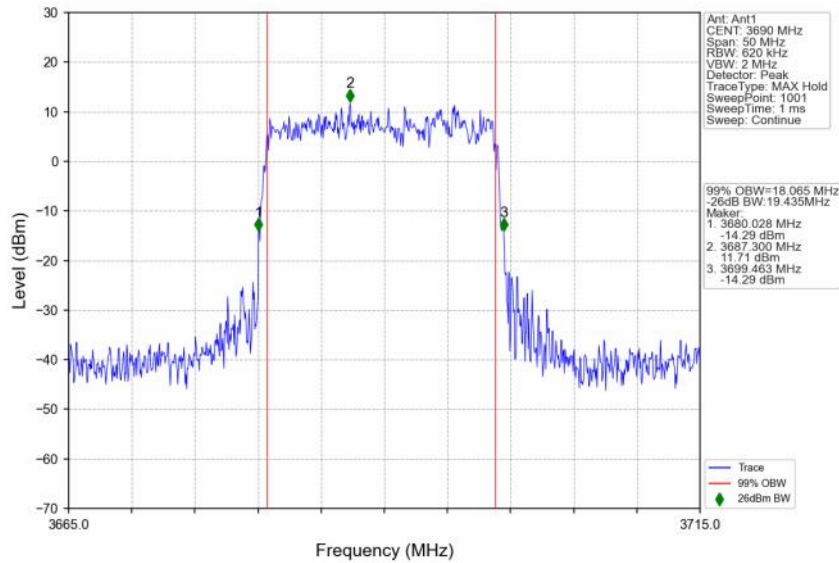
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3690MHz\_Outer\_Full

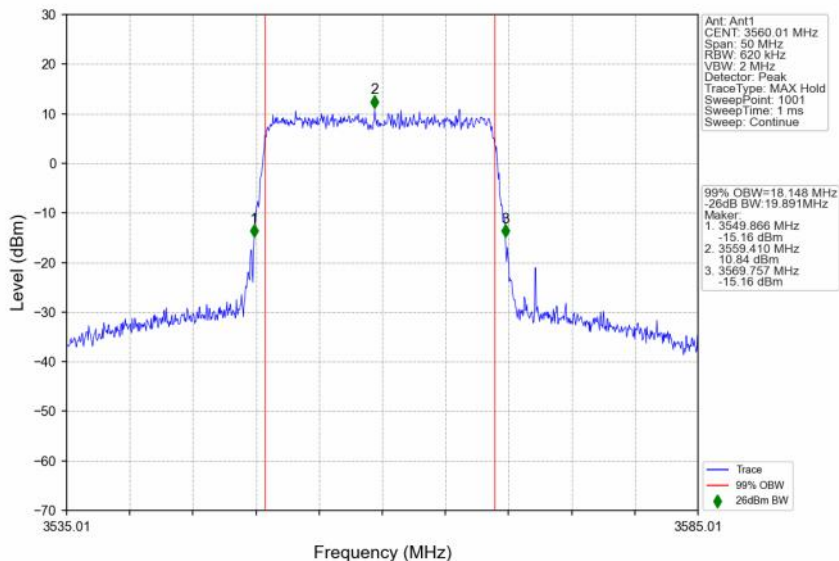


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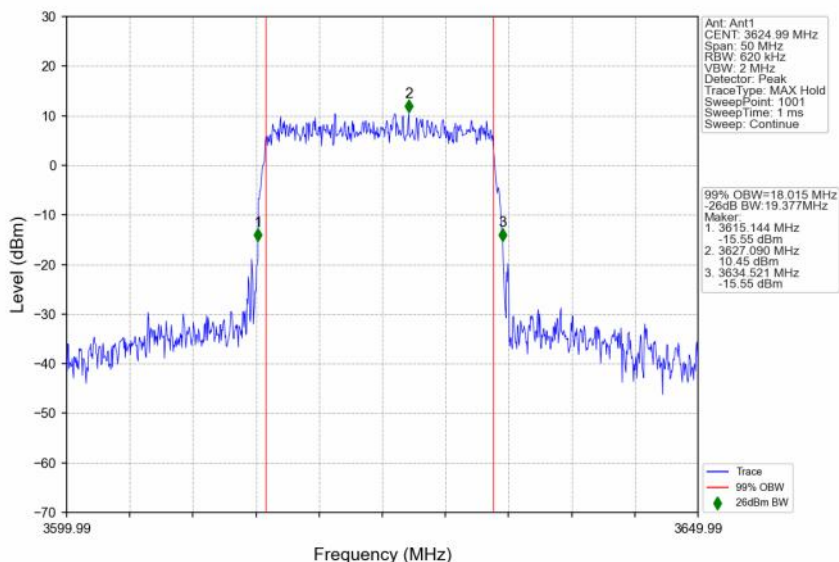
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16\_QAM\_3624.99MHz\_Outer\_Full

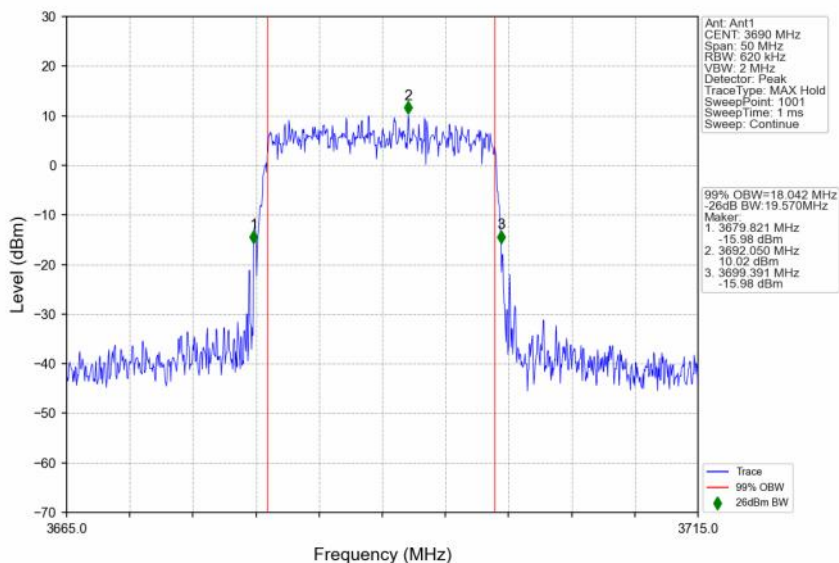


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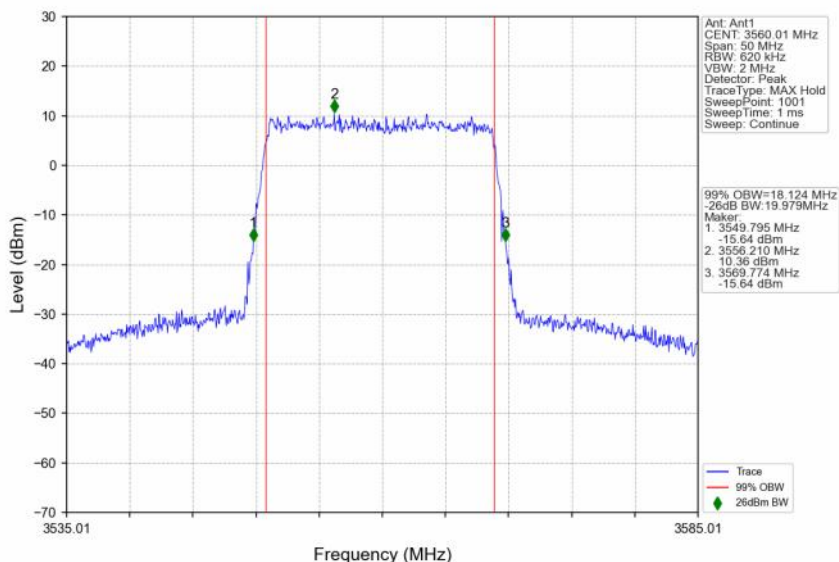
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3560.01MHz\_Outer\_Full



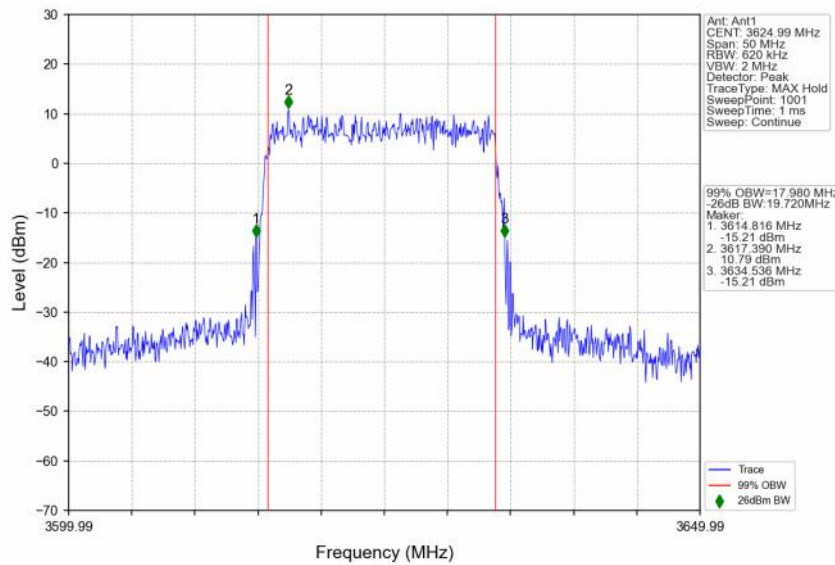
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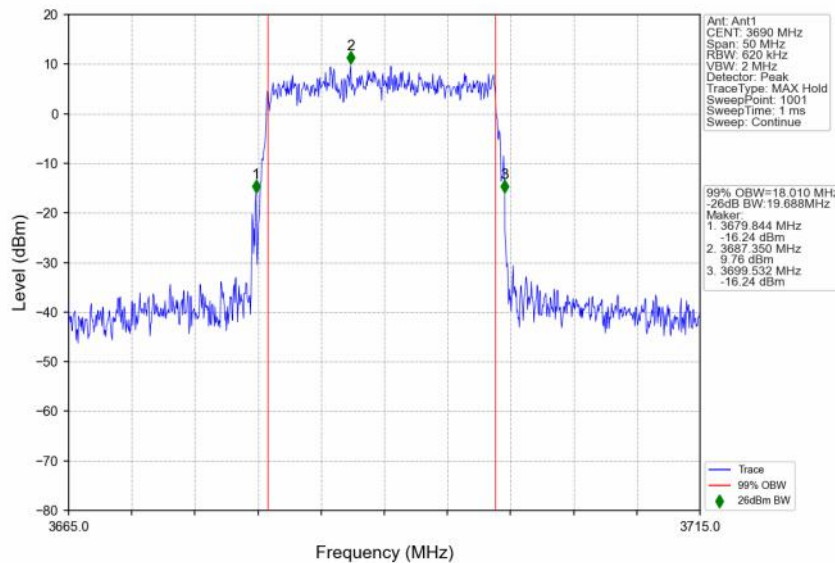
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n48\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3690MHz\_Outer\_Full

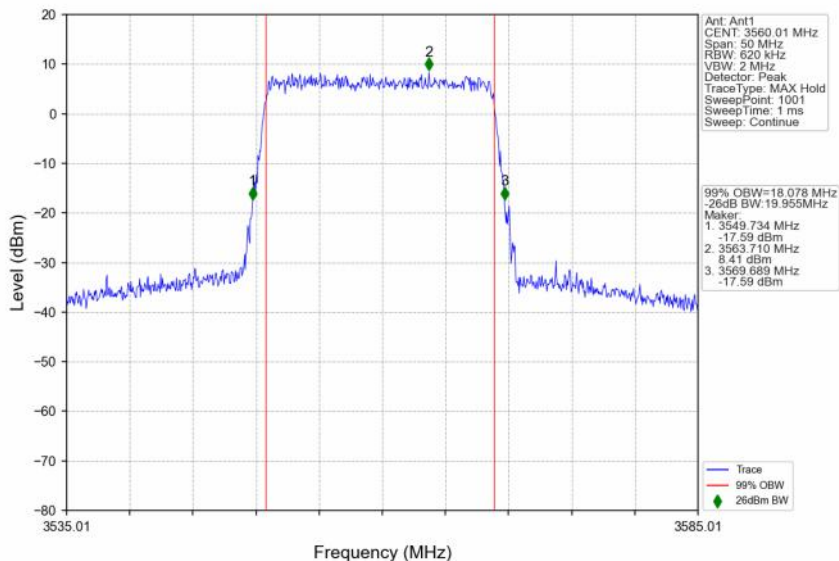


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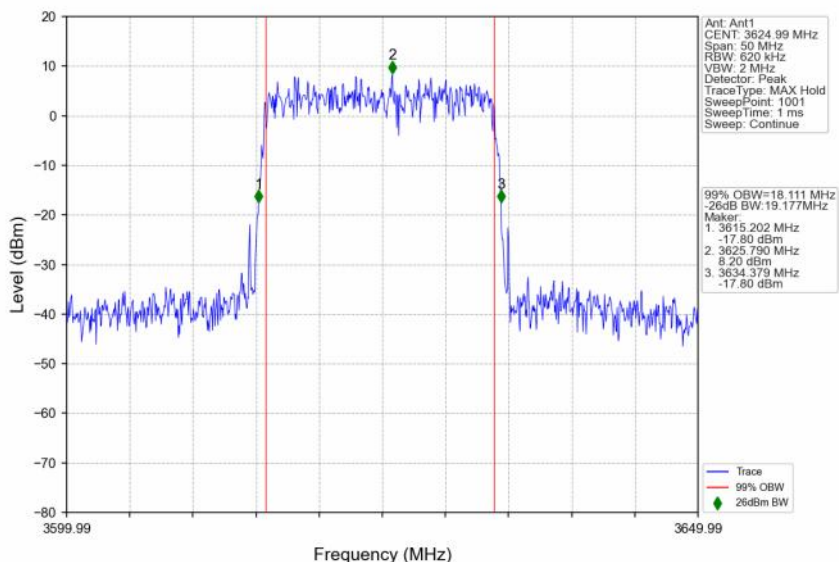
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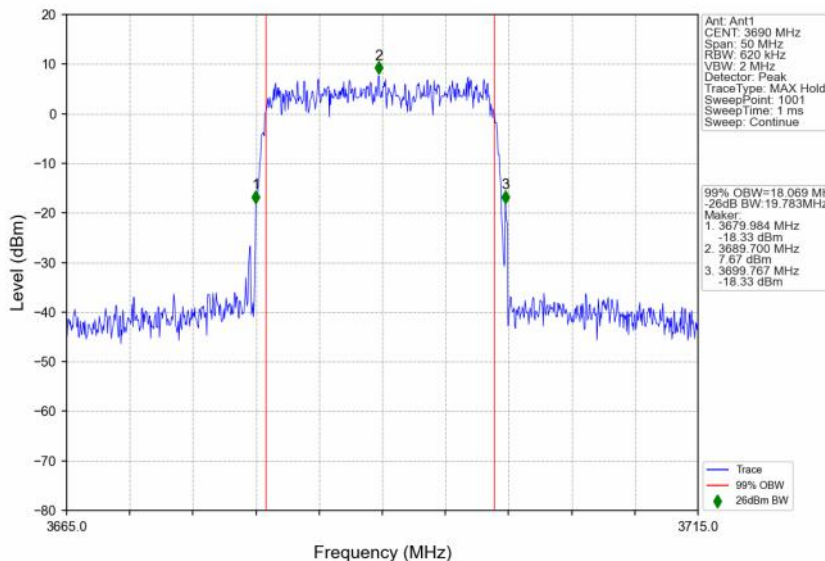


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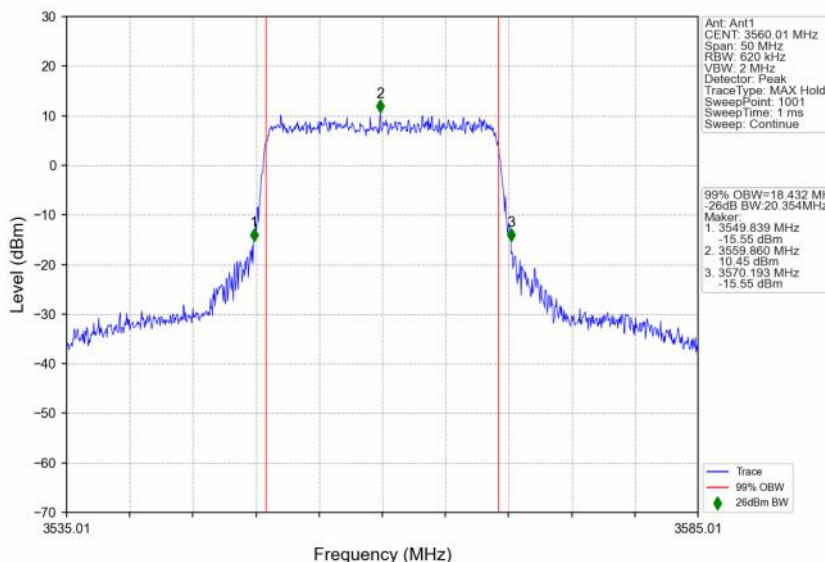
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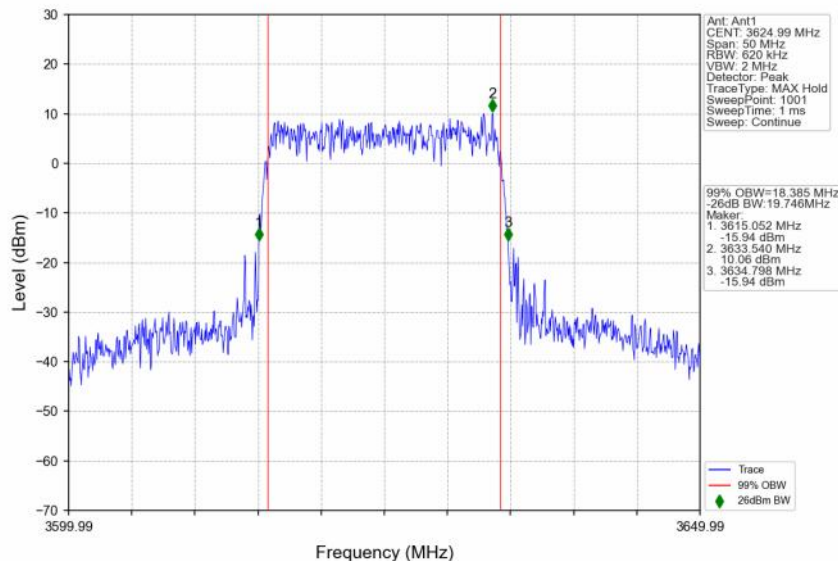


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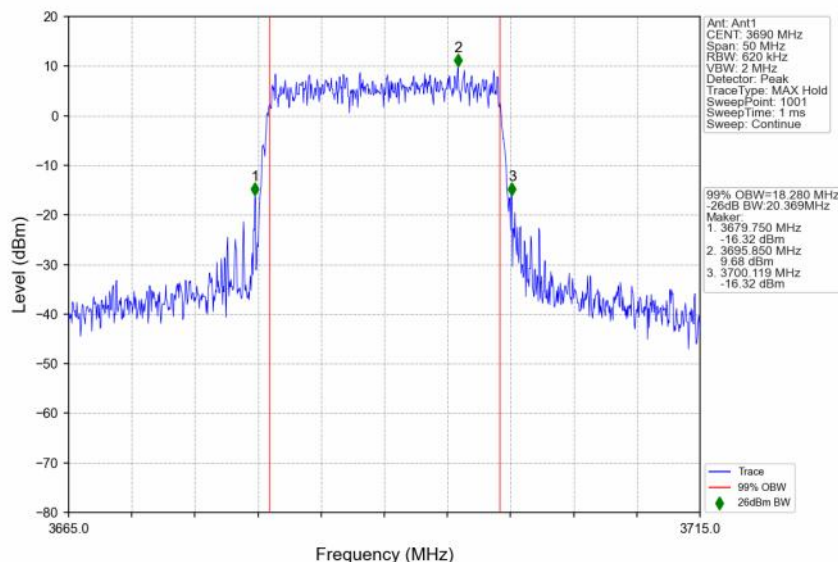
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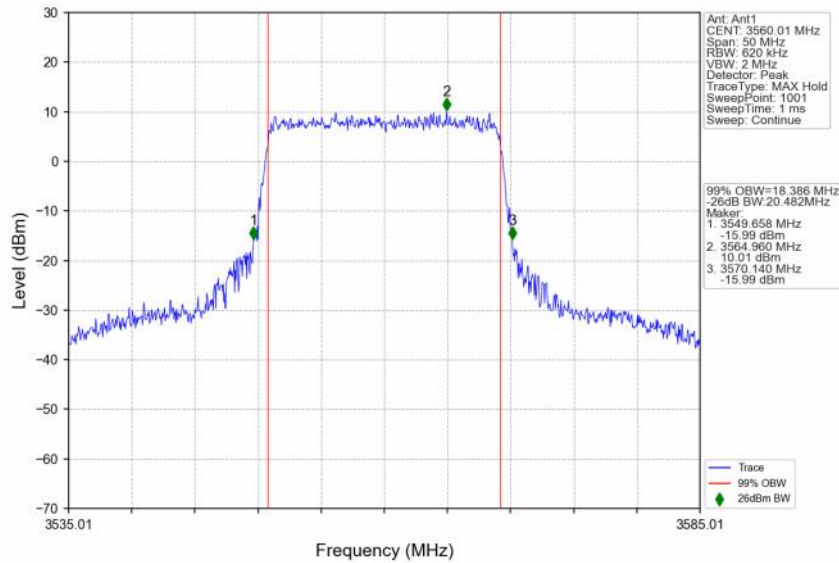
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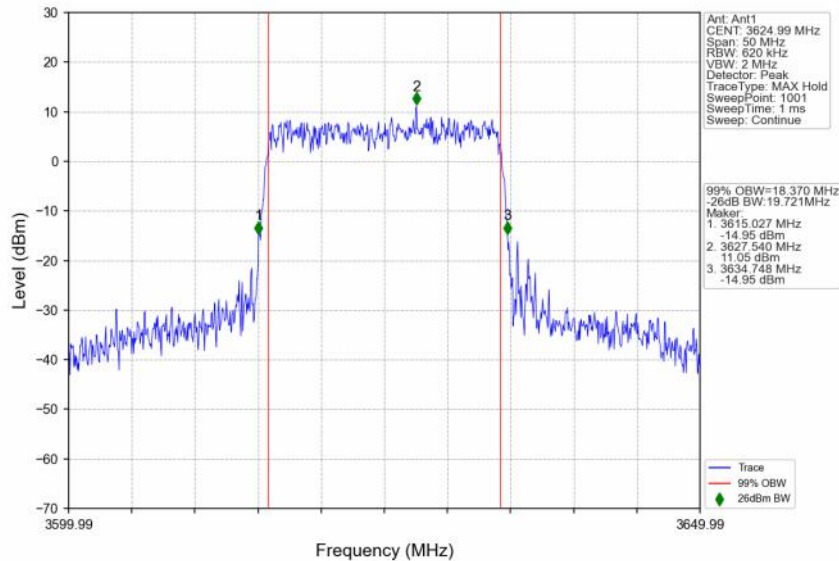
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n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3624.99MHz\_Outer\_Full

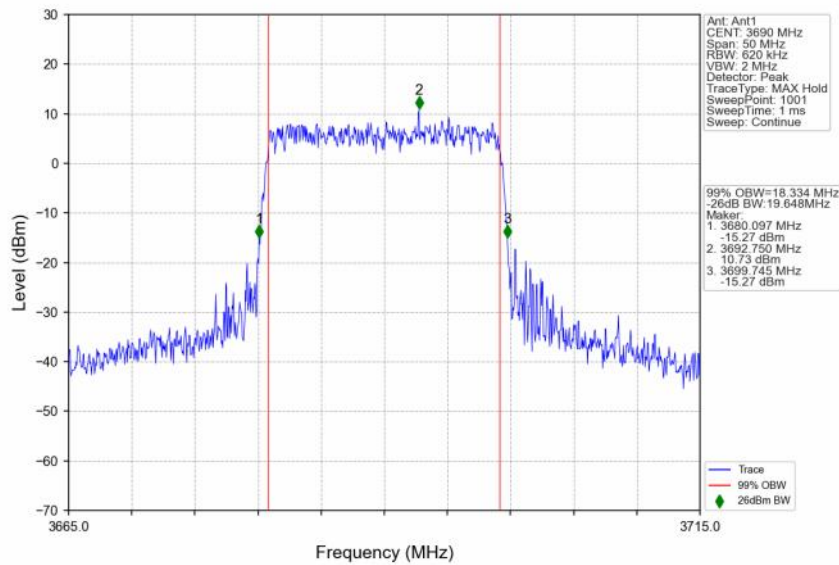


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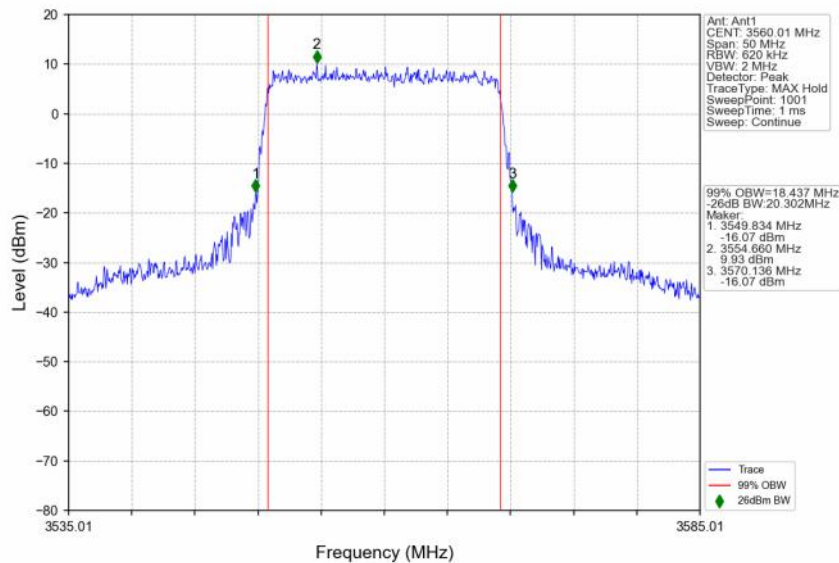
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n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM\_3690MHz\_Outer\_Full



n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3560.01MHz\_Outer\_Full

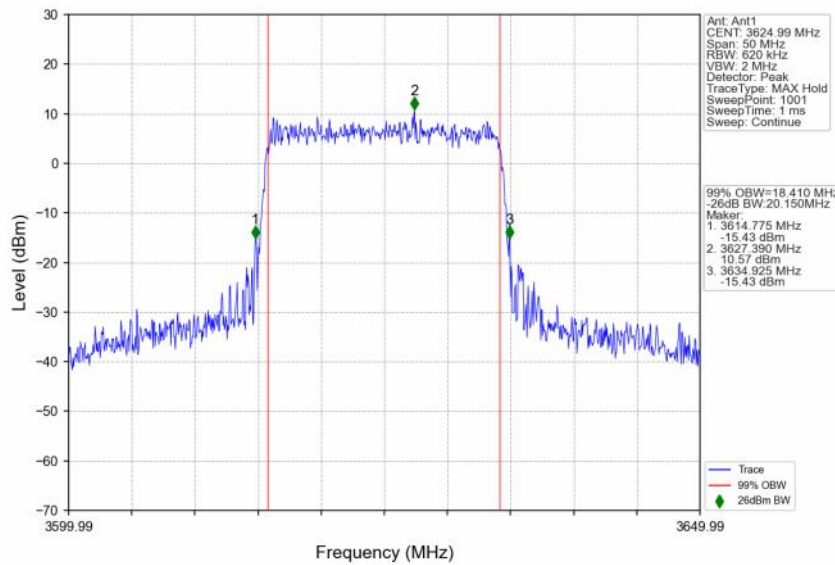


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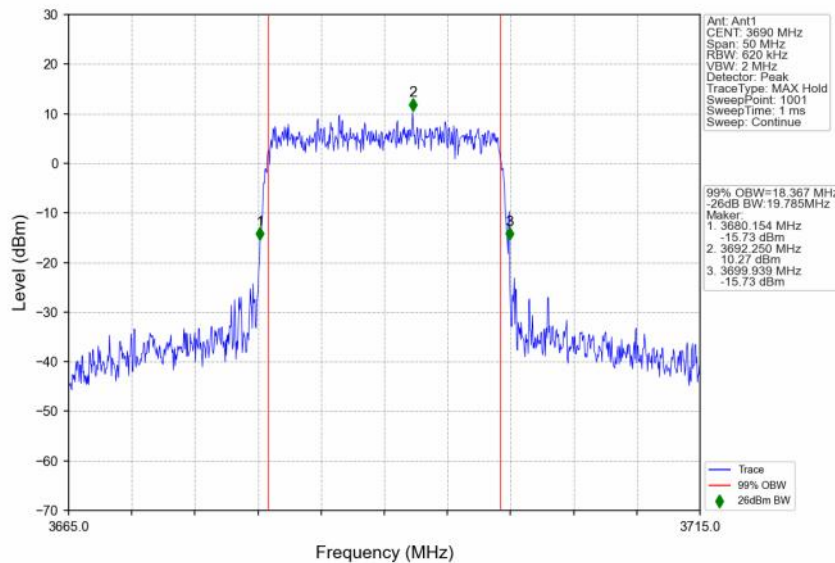
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n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM\_3624.99MHz\_Outer\_Full



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

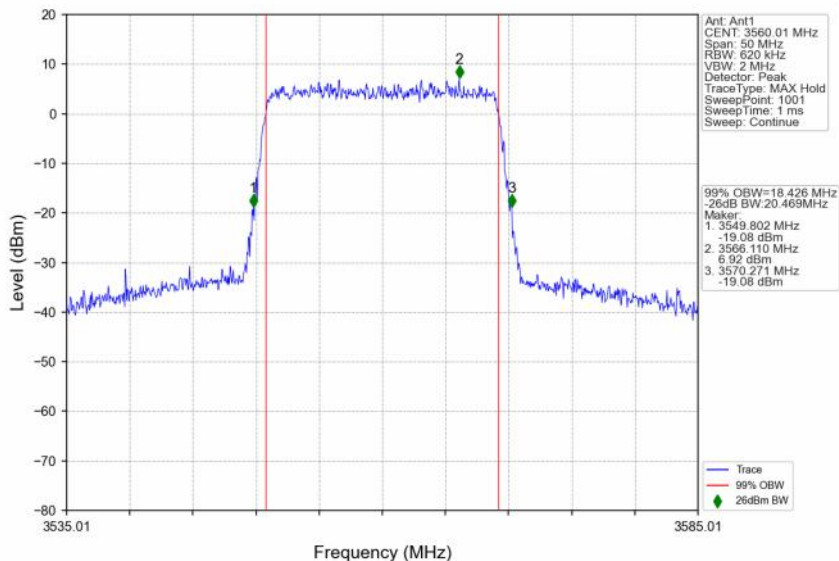


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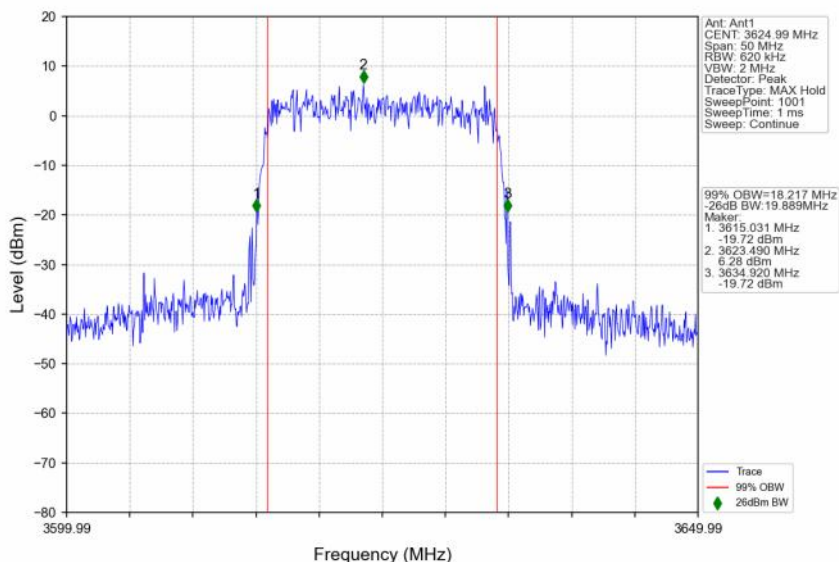
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n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3560.01MHz\_Outer\_Full



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



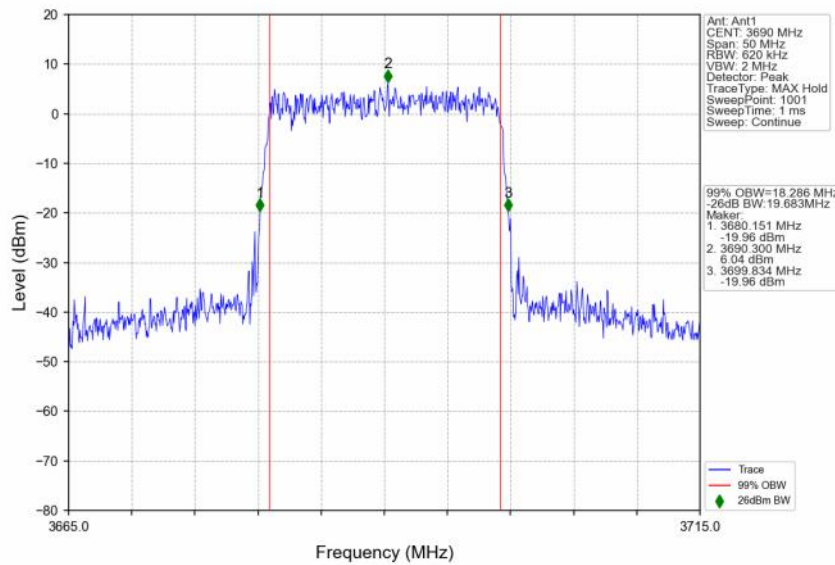
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n48\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 256 QAM\_3690MHz\_Outer\_Full



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