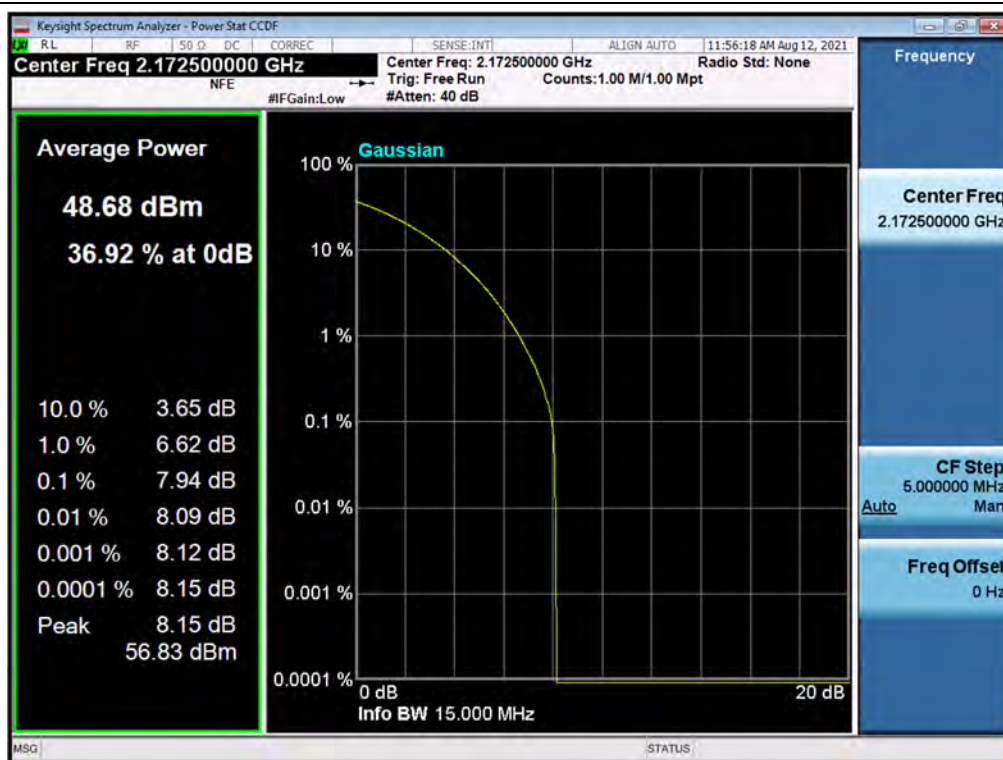
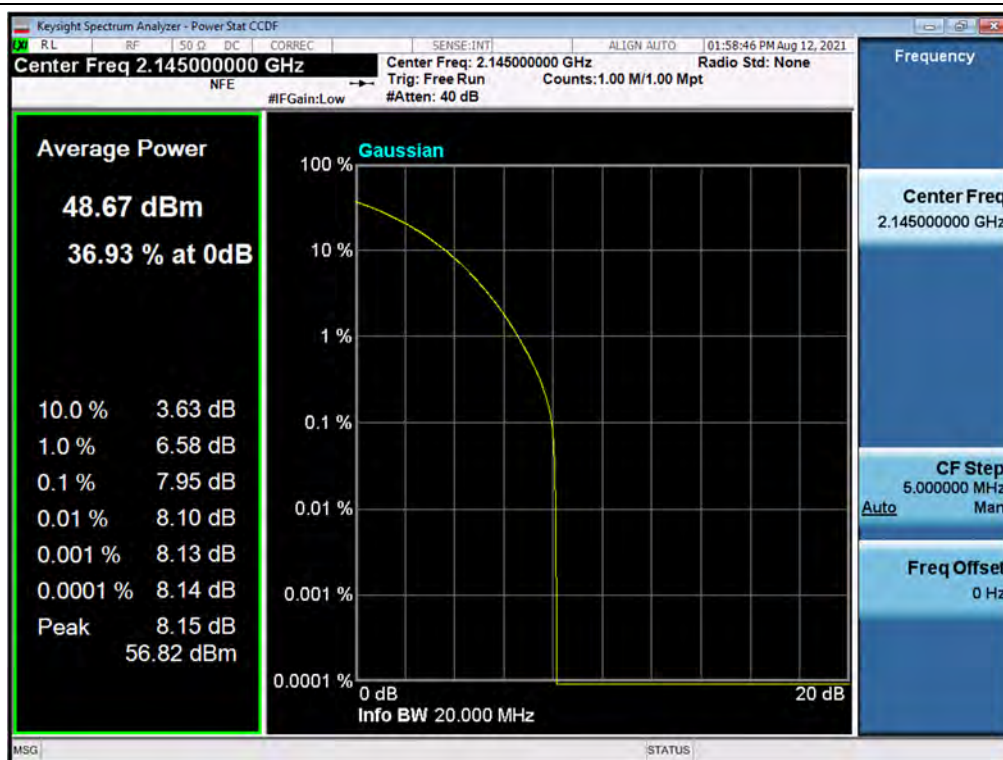


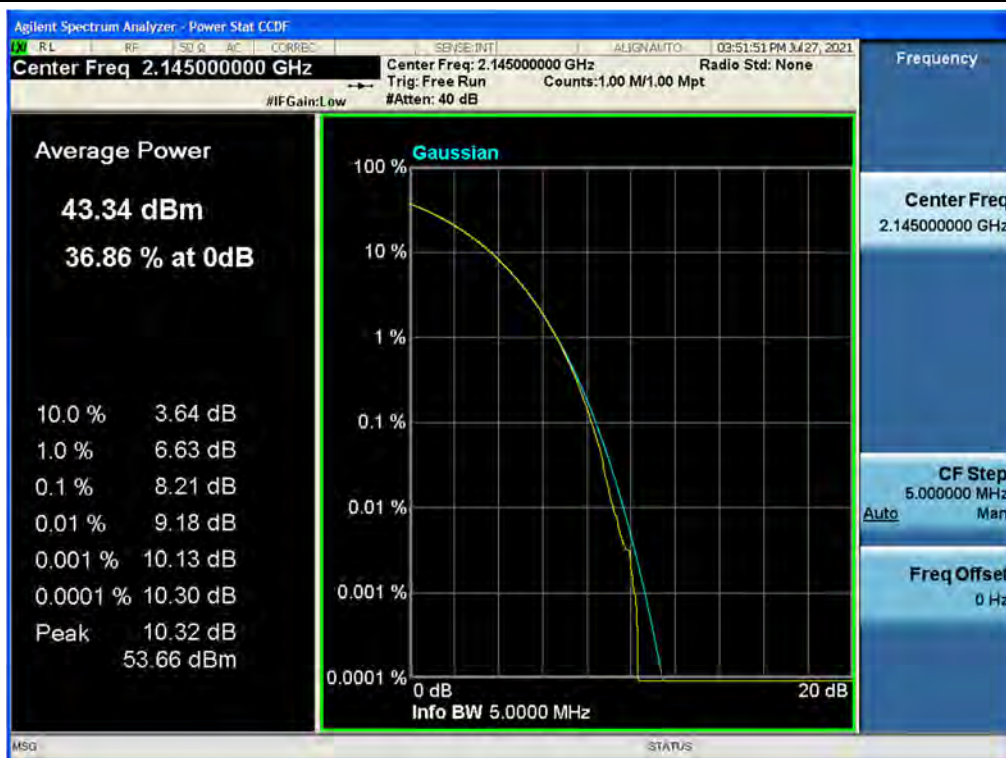
Antenna 1 / (2 Port) B66 LTE 15 MHz 1 Carrier / QPSK / High



Antenna 1 / (2 Port) B66 LTE 20 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B66 LTE 5 MHz 1 Carrier / 64QAM / Middle



Antenna 3 / (4 Port) B66 LTE 10 MHz 1 Carrier / QPSK / Middle



Antenna 3 / (4 Port) B66 LTE 15 MHz 1 Carrier / 256QAM / Middle



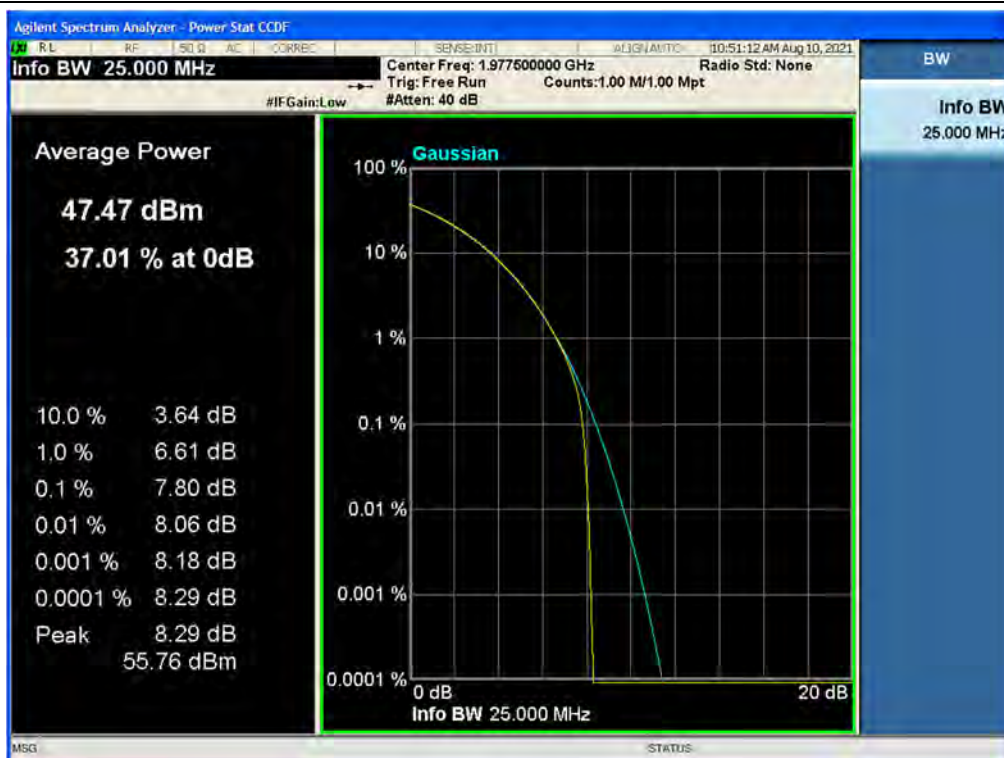
Antenna 0 / (4 Port) B66 LTE 20 MHz 1 Carrier / 16QAM / High



Antenna 1 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / High



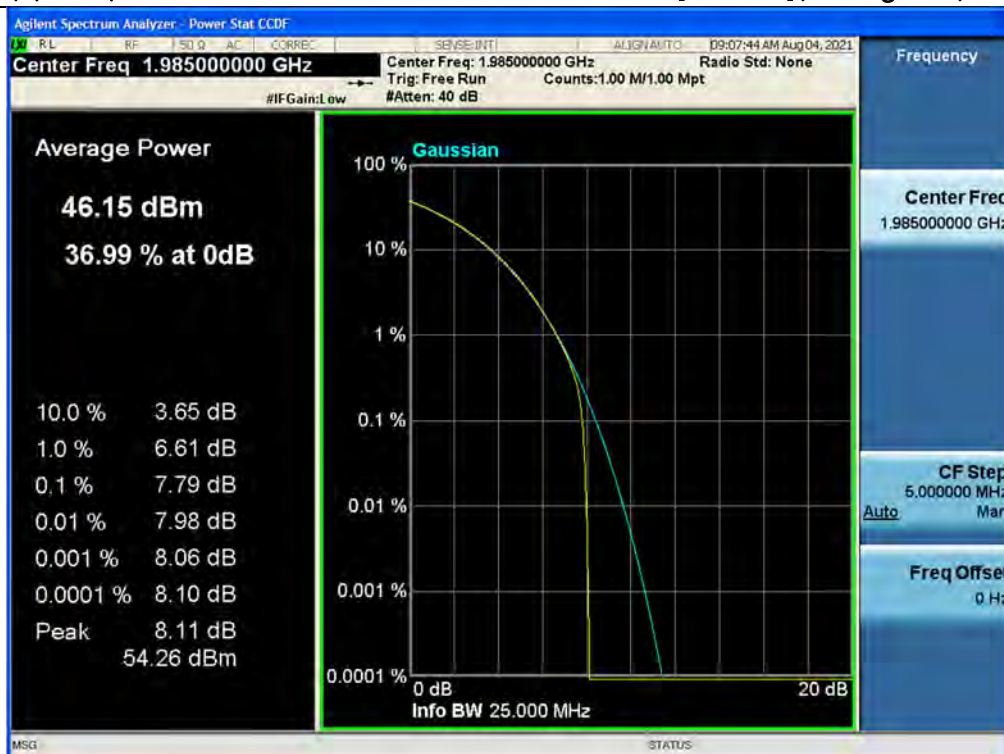
Antenna 1 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High



Antenna 1 / (2 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High



Antenna 1 / (4 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



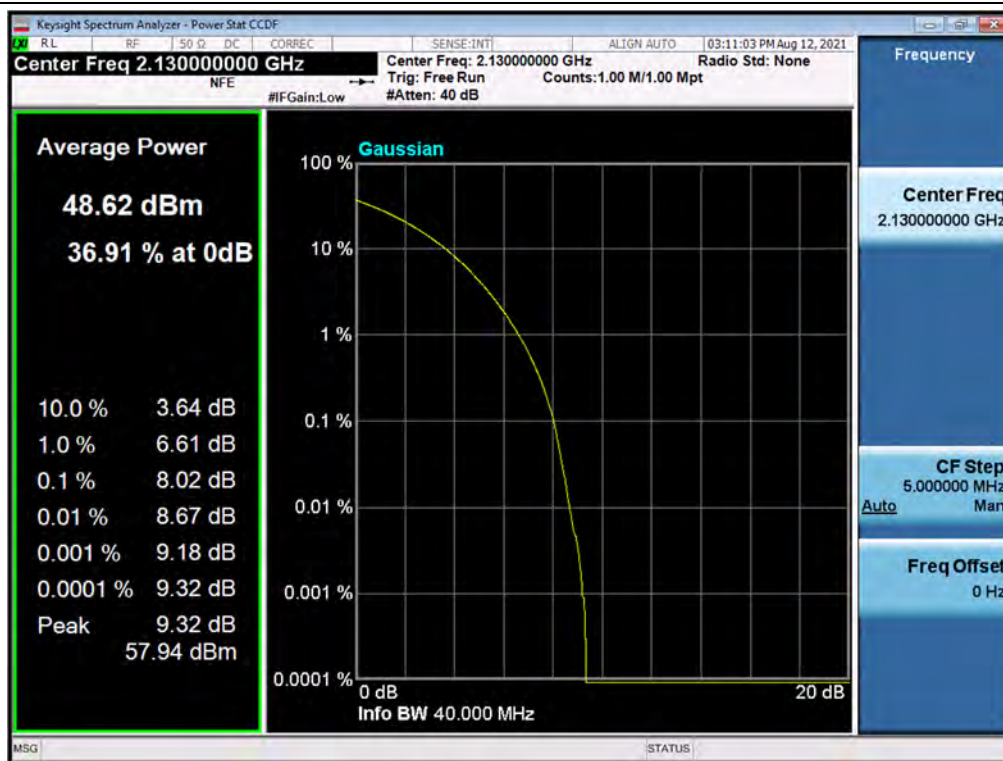
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



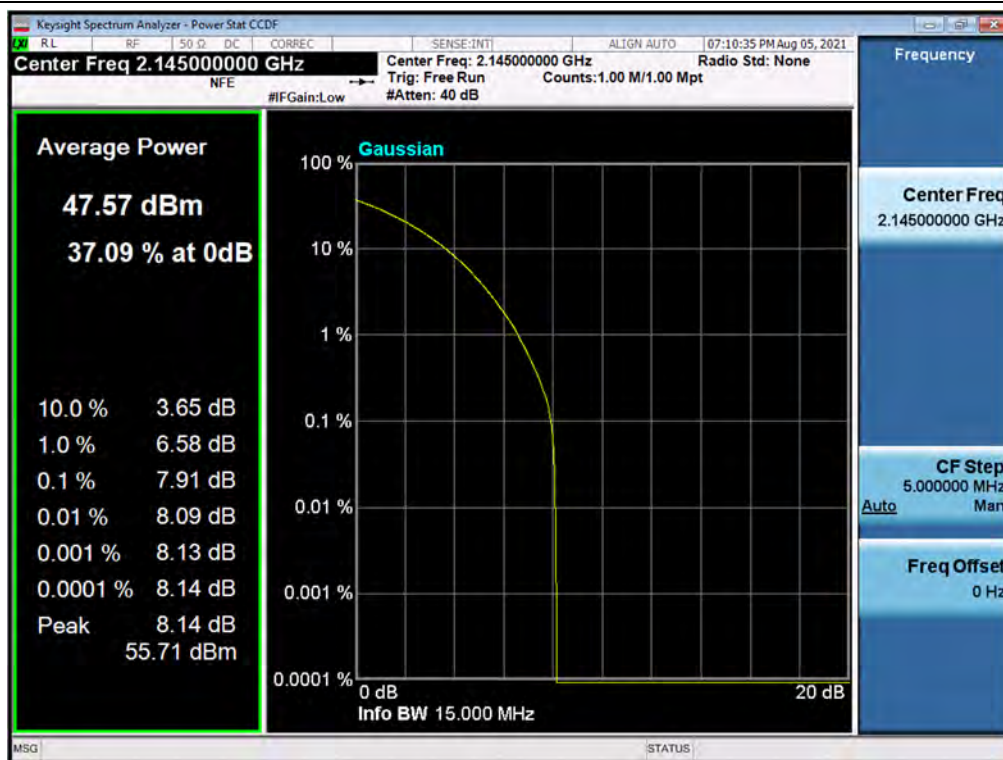
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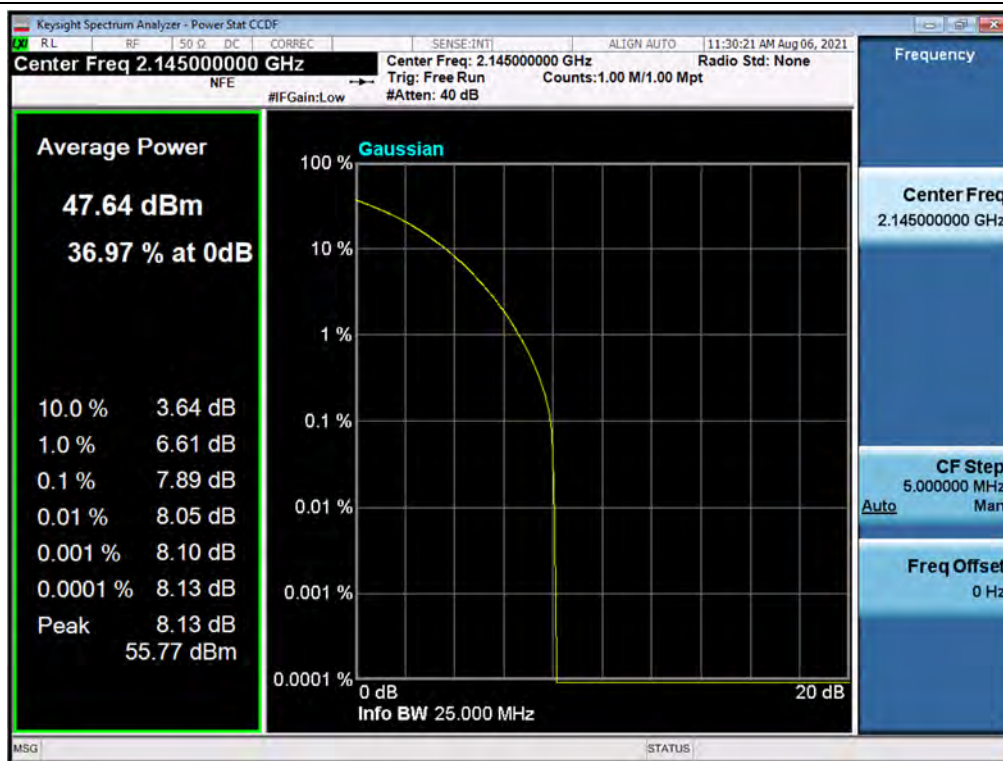
Antenna 1 / (2 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



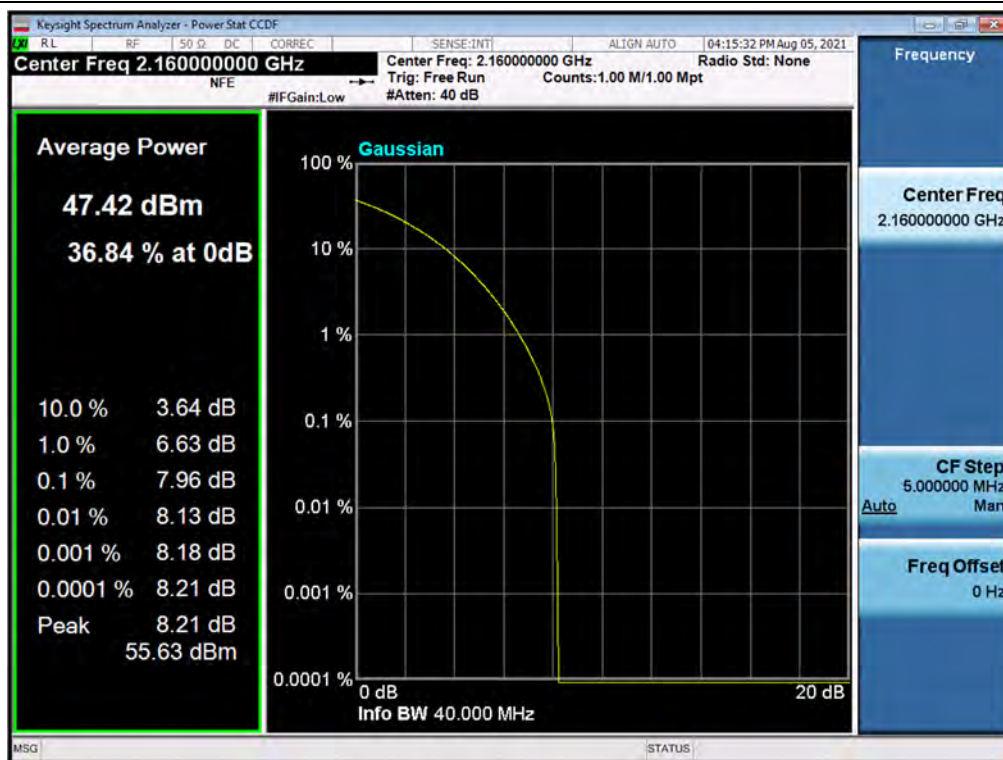
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Middle



Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle



Antenna 1 / (4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / High



Antenna 1 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / High



Antenna 1 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [3 Carrier] / Contiguous / 64QAM / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / High



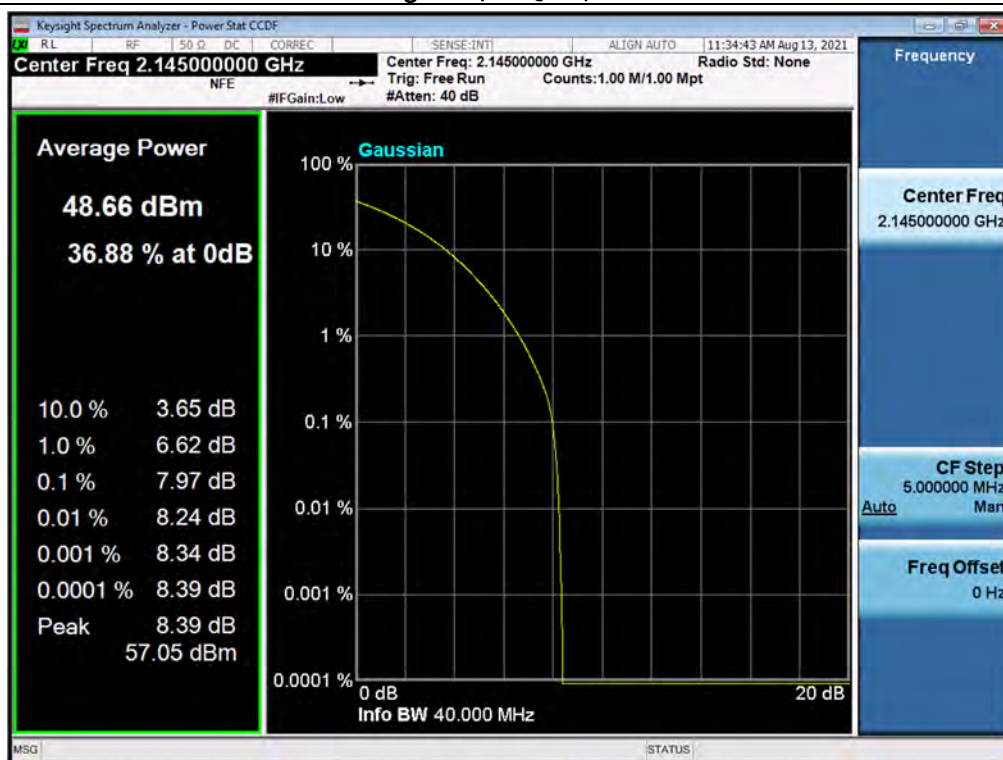
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] /
Contiguous / 256QAM / High



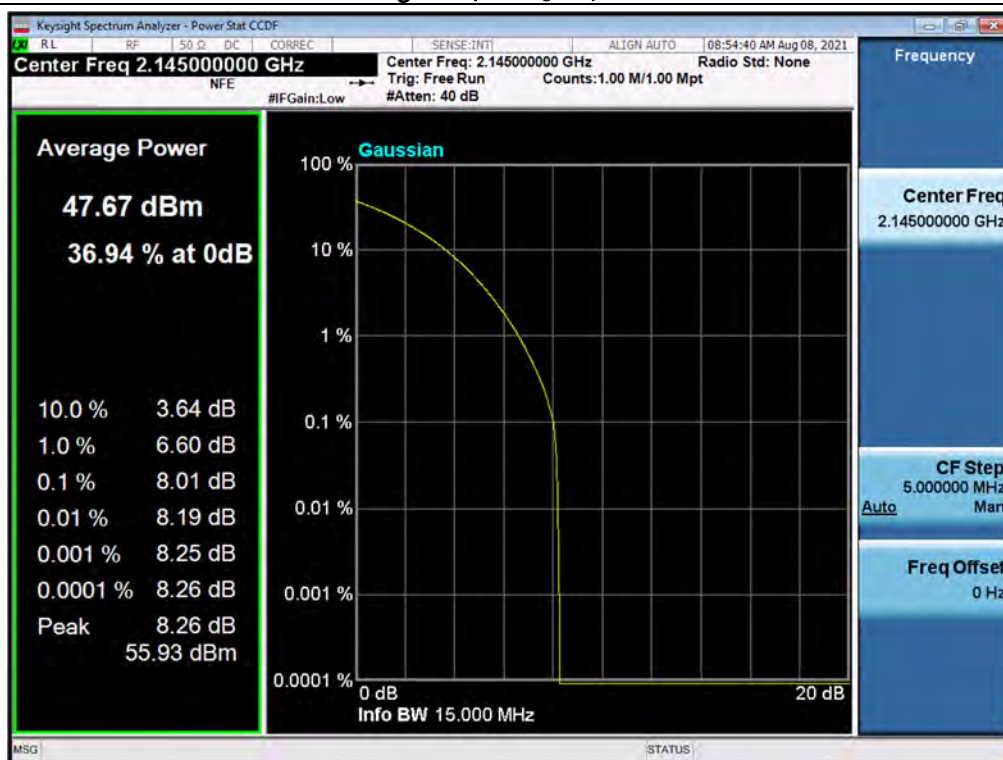
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [3 Carrier] /
Contiguous / 64QAM / High



Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [3 Carrier] /
Contiguous / 16QAM / Middle



Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] /
Contiguous / 256QAM / Middle



Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [3 Carrier] /
Contiguous / 64QAM / Middle



Antenna 2 / (4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] /
Contiguous / 64QAM / High



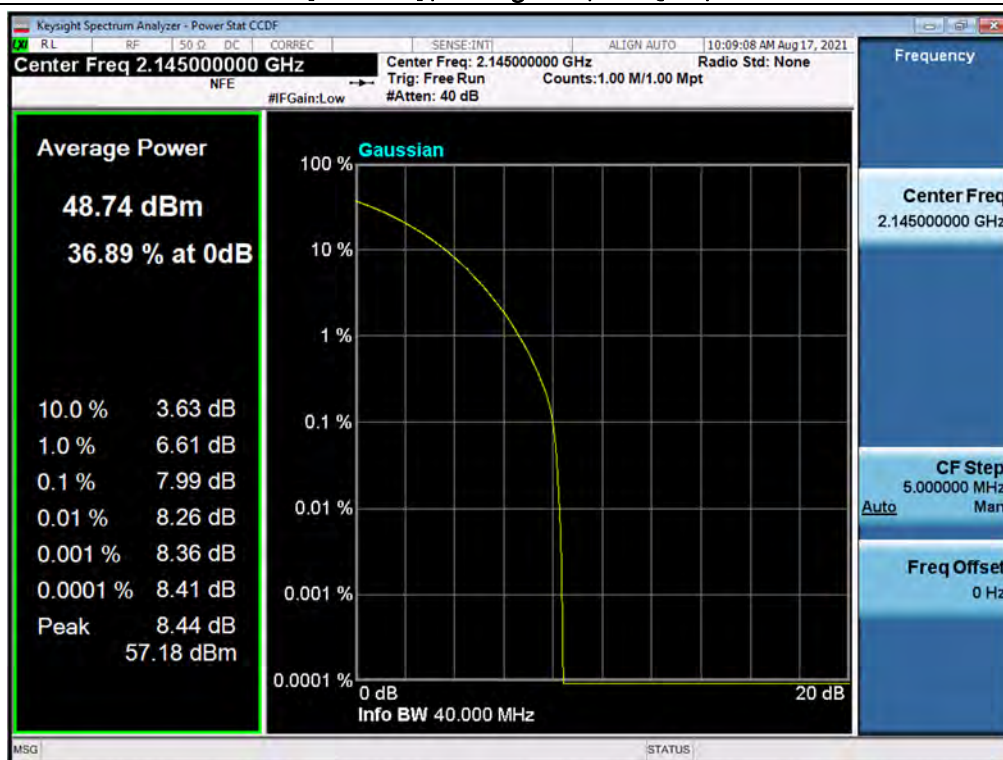
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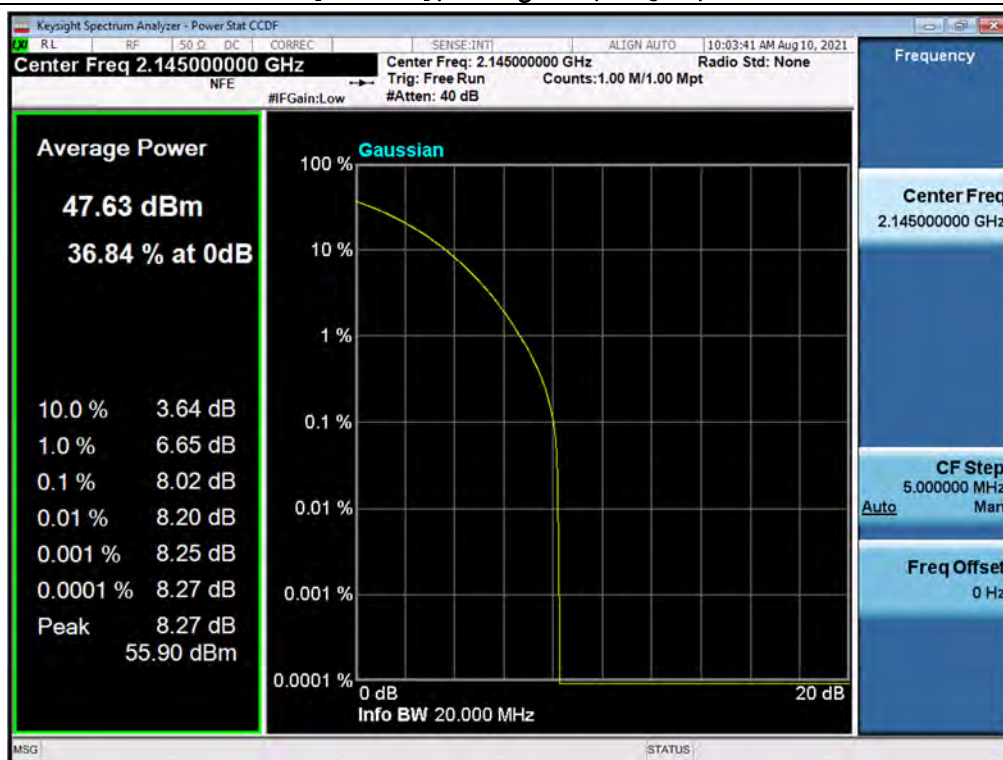
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] / Contiguous / 256QAM / Middle



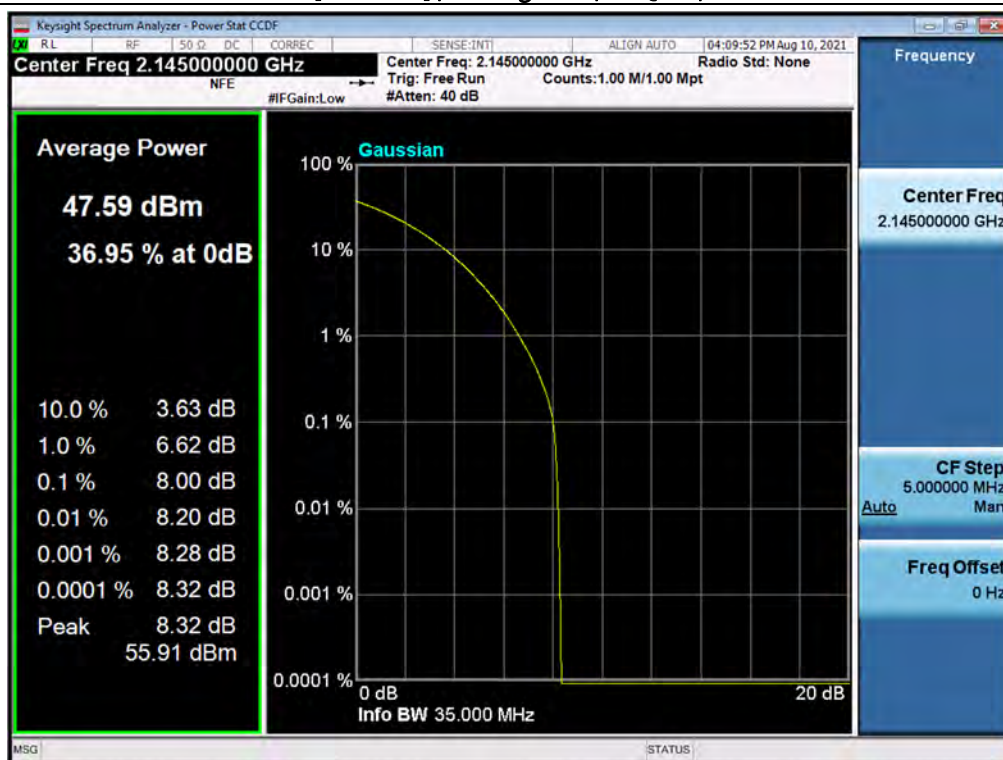
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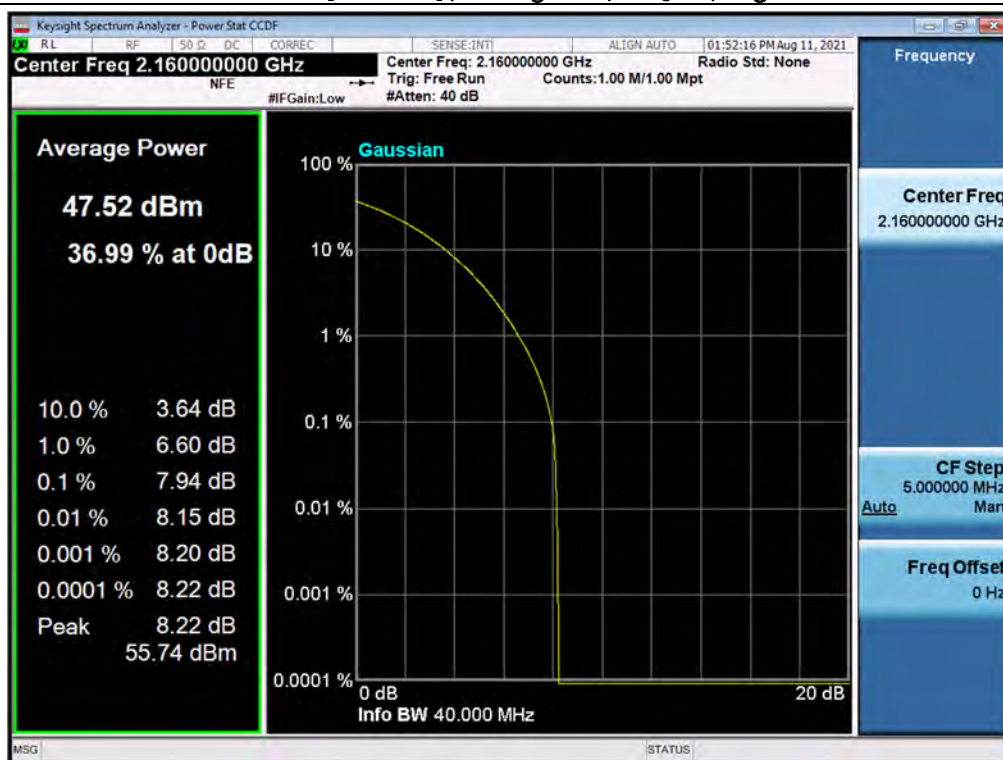
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Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] / Contiguous / 16QAM / Middle



Antenna 2 / (4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] / Contiguous / 16QAM / High



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B2 LTE 5 MHz / 64QAM / Low



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B2 LTE 5 MHz / 64QAM / High



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 5 MHz / 64QAM / Low



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 20 MHz / 64QAM / High



Antenna 0 / (2 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 10 MHz / 64QAM / Low



Antenna 0 / (2 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 20 MHz / 64QAM / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 5 MHz / 16QAM / Low



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 5 MHz / 16QAM / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 5 MHz / QPSK / Low



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 20 MHz / QPSK / High



Antenna 1 / (4 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 10 MHz / QPSK / Low



Antenna 1 / (4 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 20 MHz / QPSK / High



Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 16QAM / Low



Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 16QAM / High



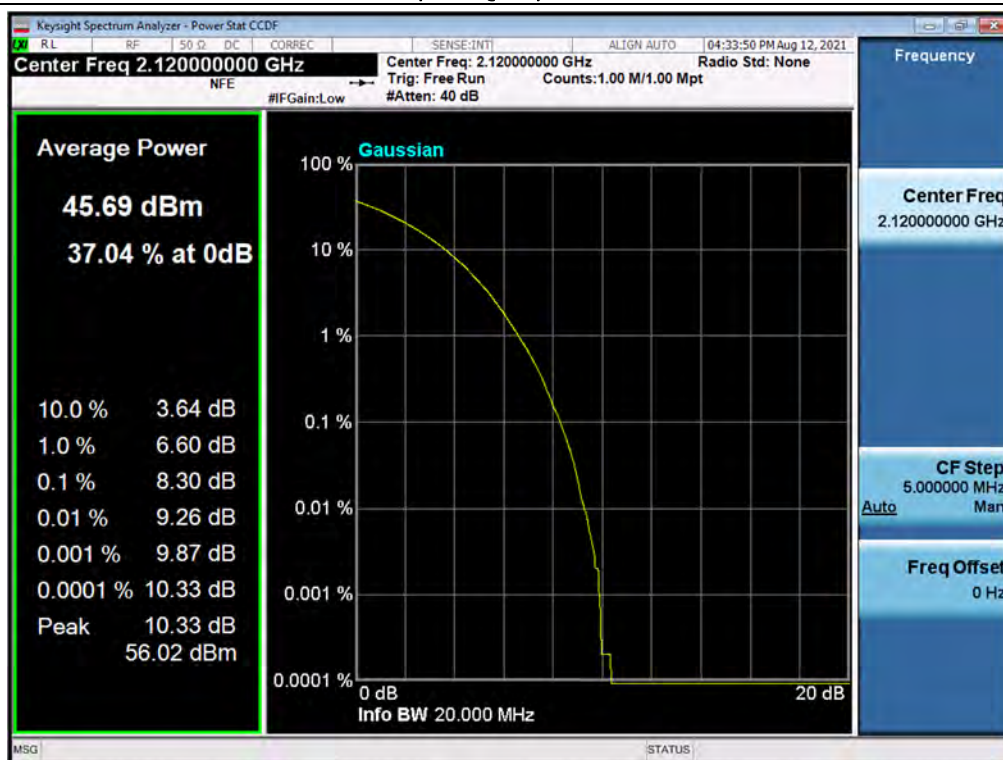
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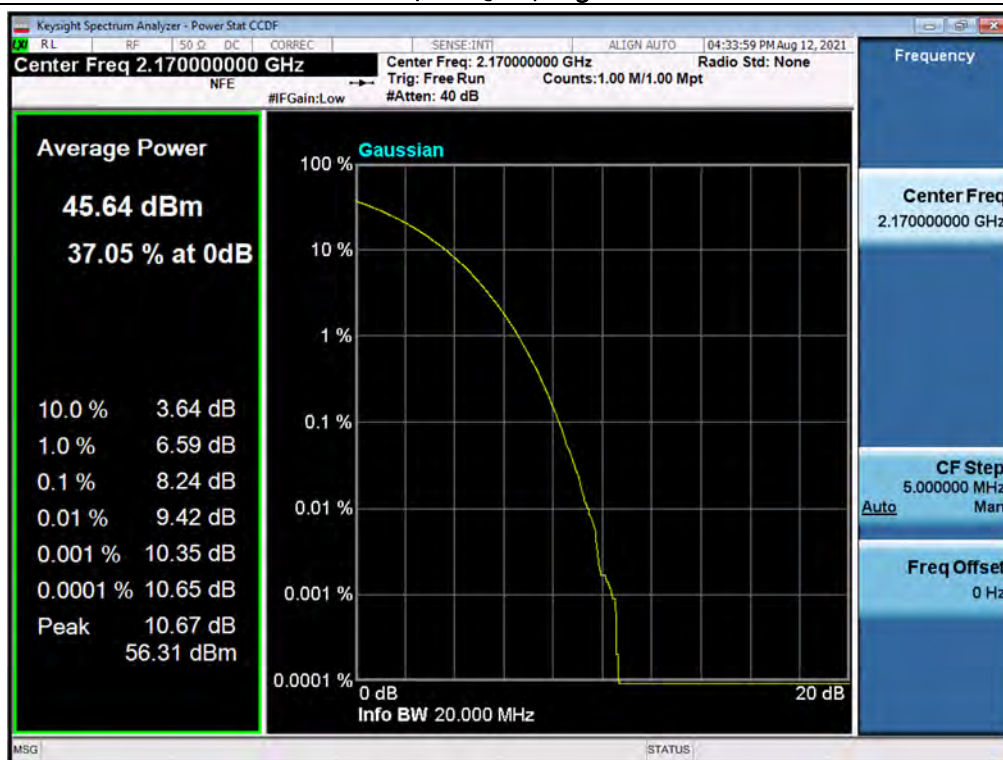
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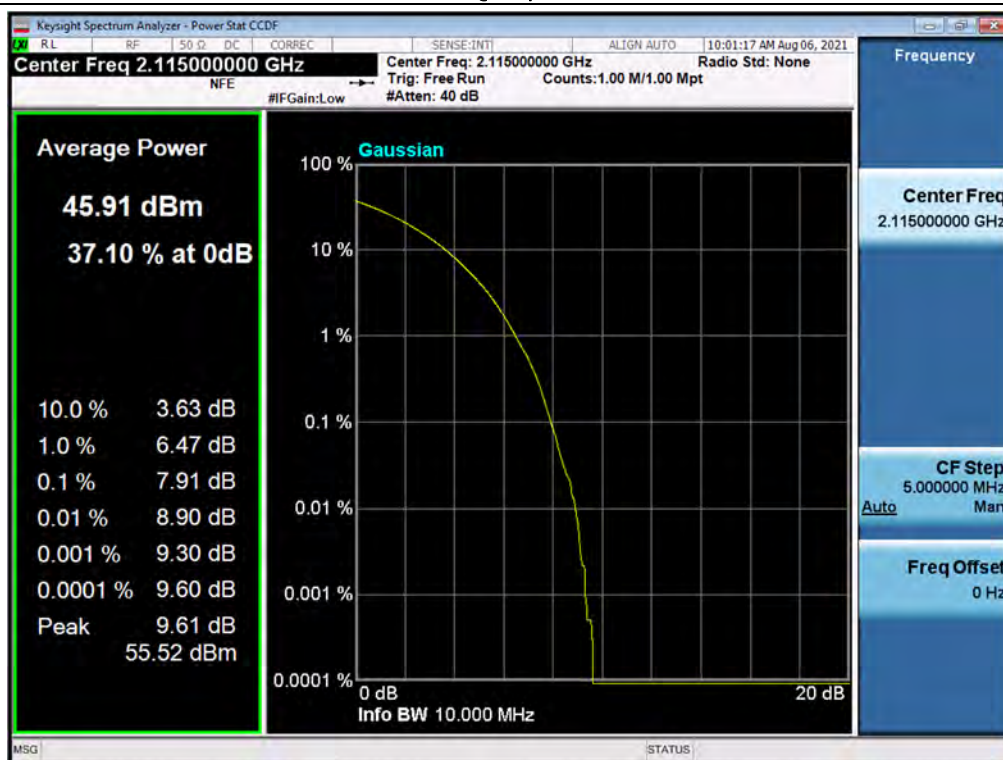
Antenna 1 / (2 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 20 MHz / 256QAM / Low



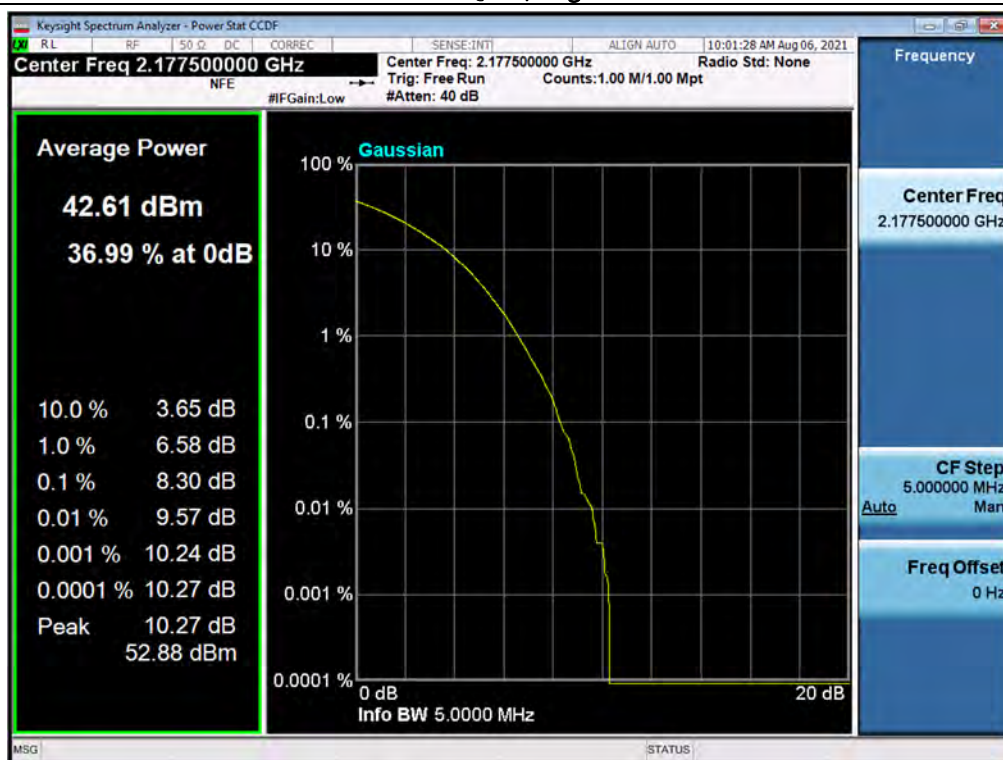
Antenna 1 / (2 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 20 MHz / 256QAM / High



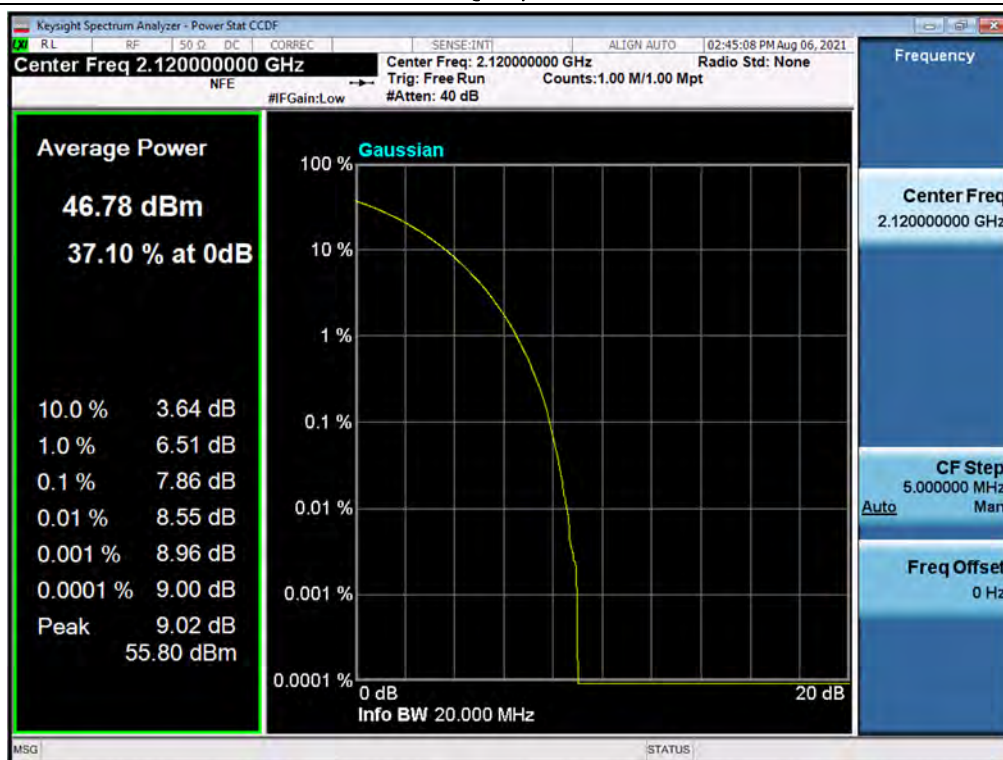
Antenna 2 / (4 Port) B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 10 MHz / 256QAM / Low



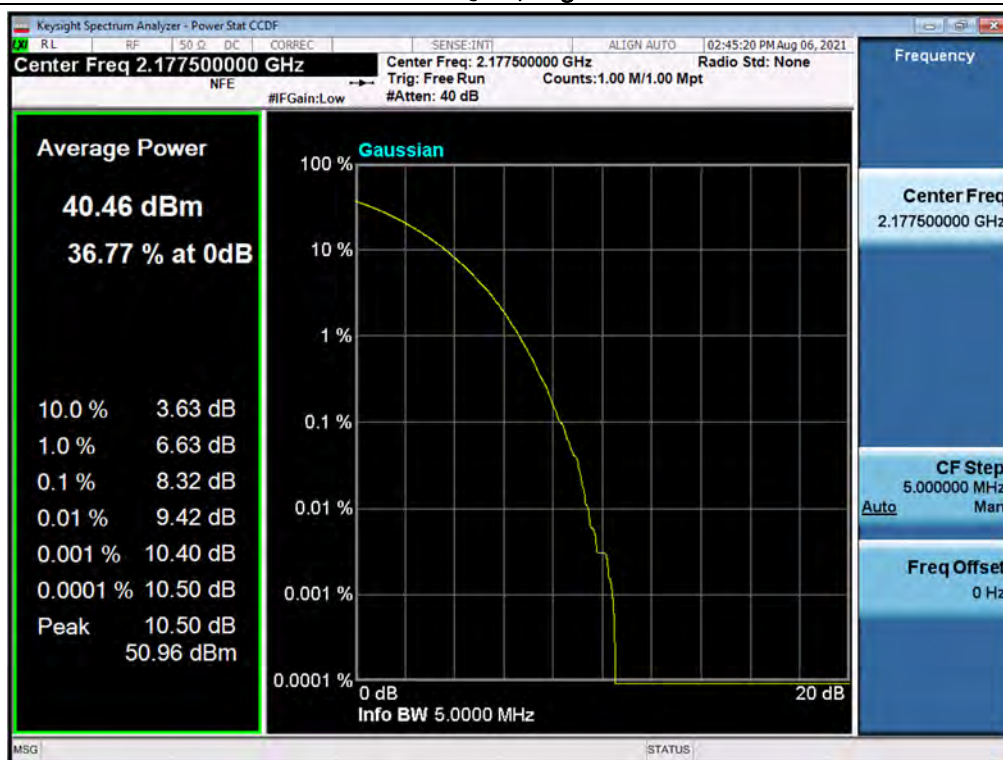
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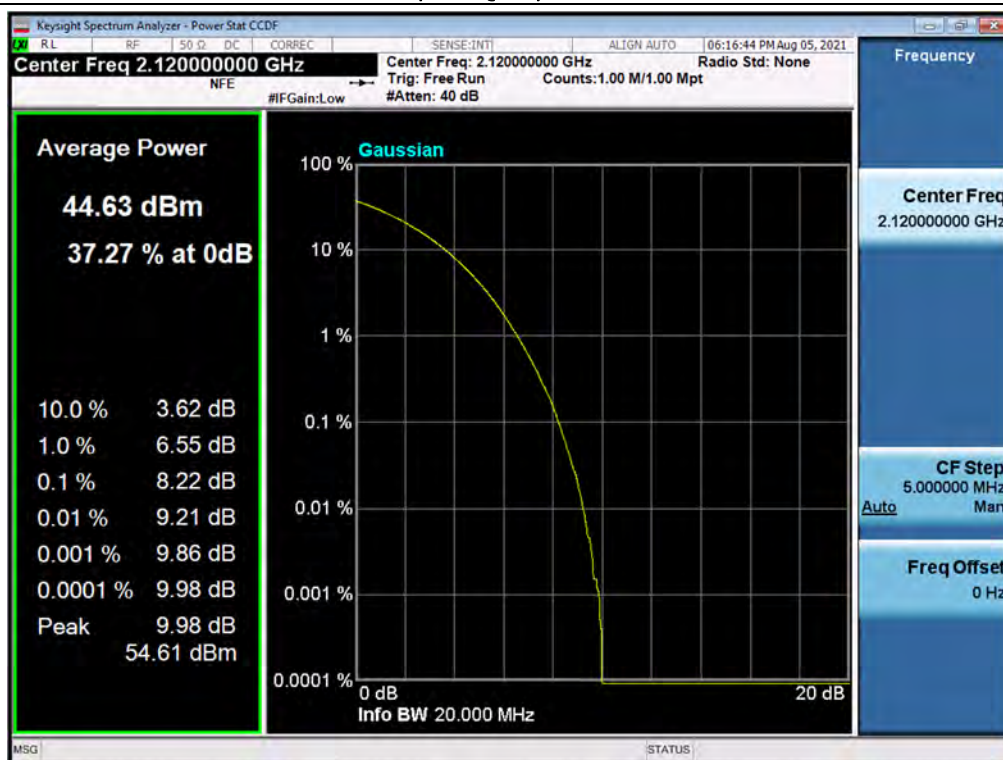
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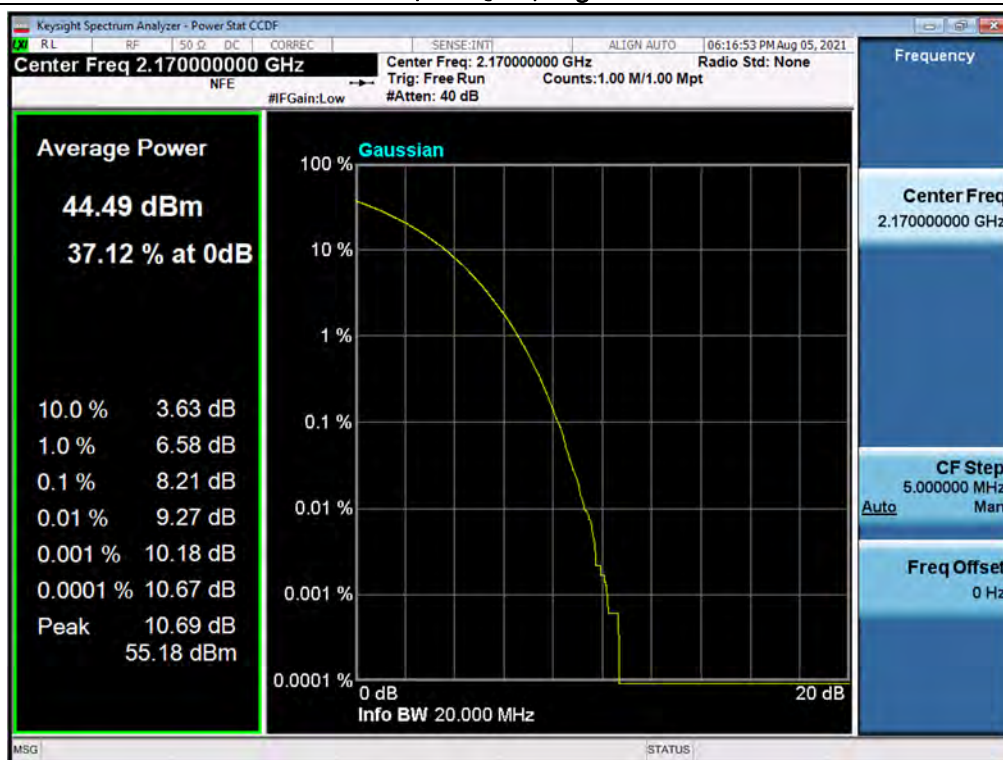
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Antenna 2 / (4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 20 MHz / 256QAM / Low



Antenna 2 / (4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 20 MHz / 256QAM / High



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 LTE 5 MHz / 16QAM / Low



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 LTE 5 MHz + B2 LTE 5 MHz / 16QAM / High



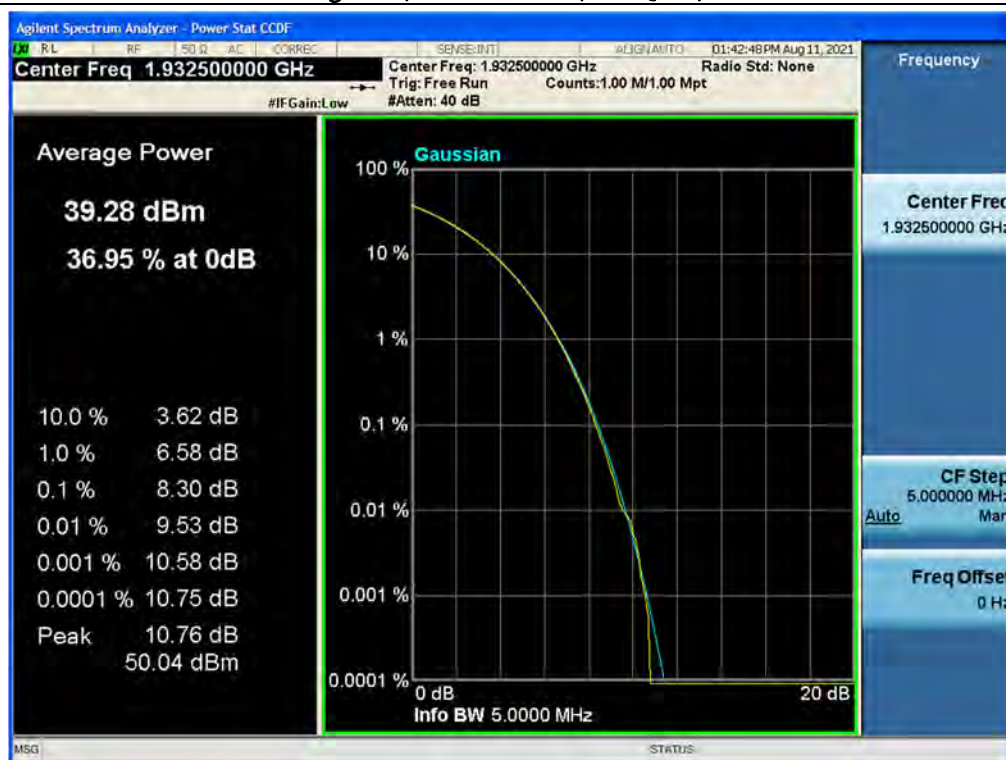
Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 LTE 5 MHz + B2 LTE 5 MHz / QPSK / Low



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 LTE 5 MHz / QPSK / High



Antenna 1 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 LTE 5 MHz / 256QAM / Low



Antenna 1 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 LTE 20 MHz + B2 LTE 5 MHz / 256QAM / High



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 LTE 5 MHz + B2 LTE 20 MHz / 256QAM / Low



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 LTE 5 MHz / 256QAM / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 LTE 5 MHz / QPSK / Low



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 LTE 5 MHz + B2 LTE 5 MHz / QPSK / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 LTE 5 MHz + B2 LTE 5 MHz / QPSK / Low



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 LTE 5 MHz / QPSK / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 LTE 5 MHz / 64QAM / Low



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 LTE 20 MHz + B2 LTE 5 MHz / 64QAM / High



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 LTE 5 MHz + B2 LTE 20 MHz / 256QAM / Low



Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 LTE 5 MHz / 256QAM / High



Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / Low



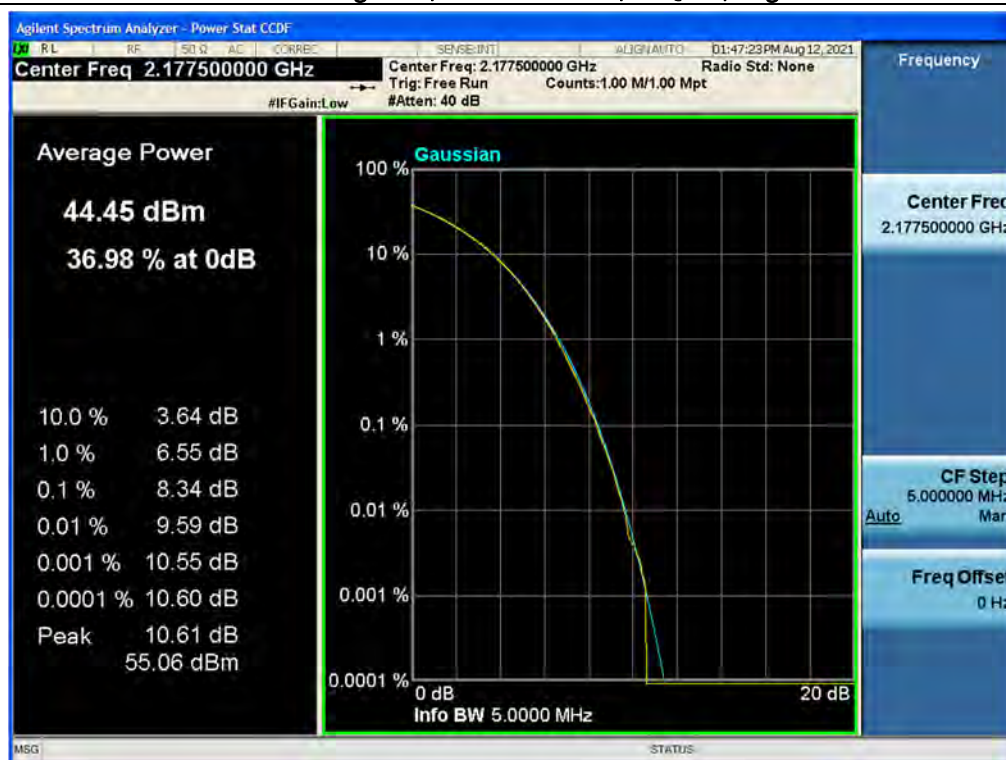
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz / 16QAM / High



Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz / 16QAM / Low



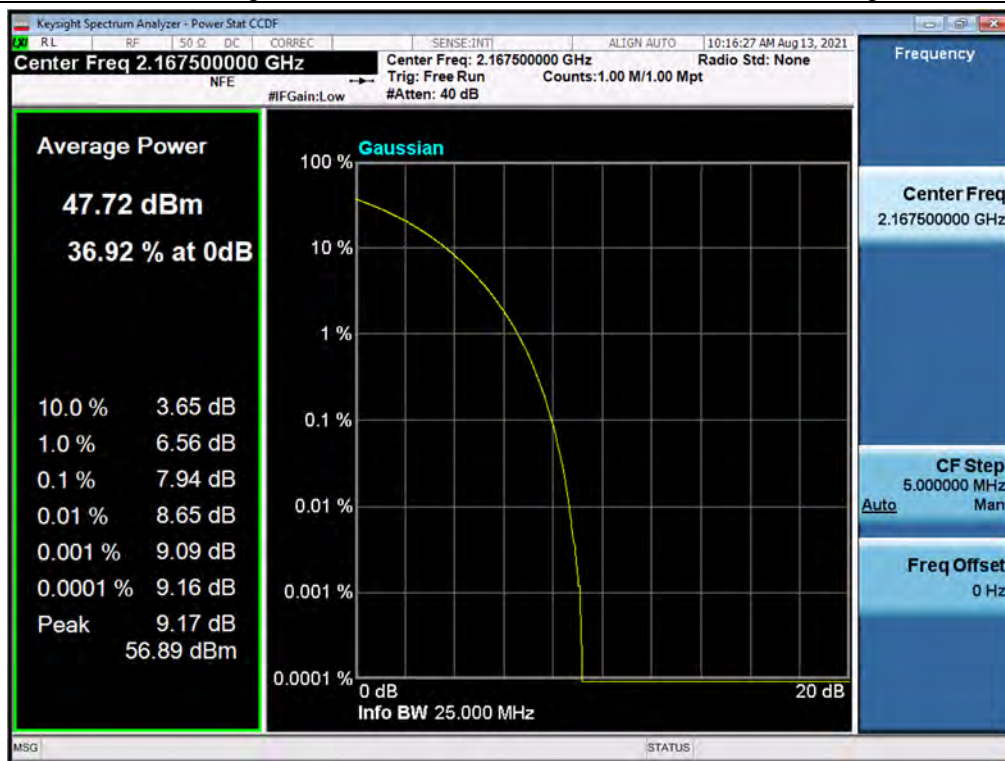
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / High



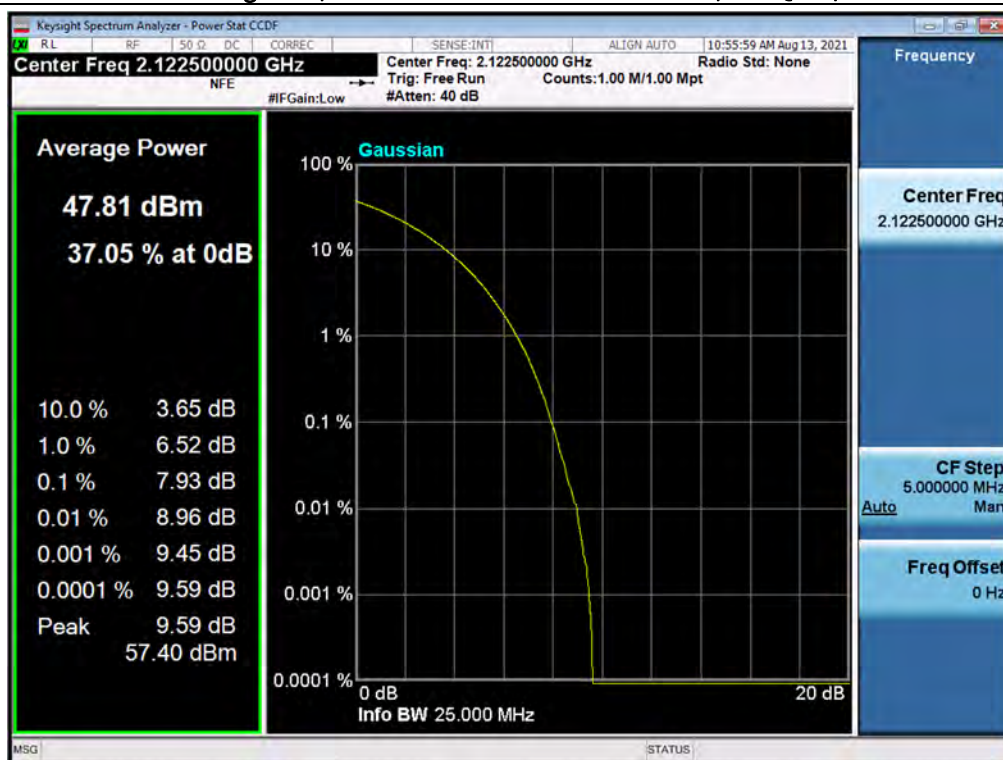
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / Low



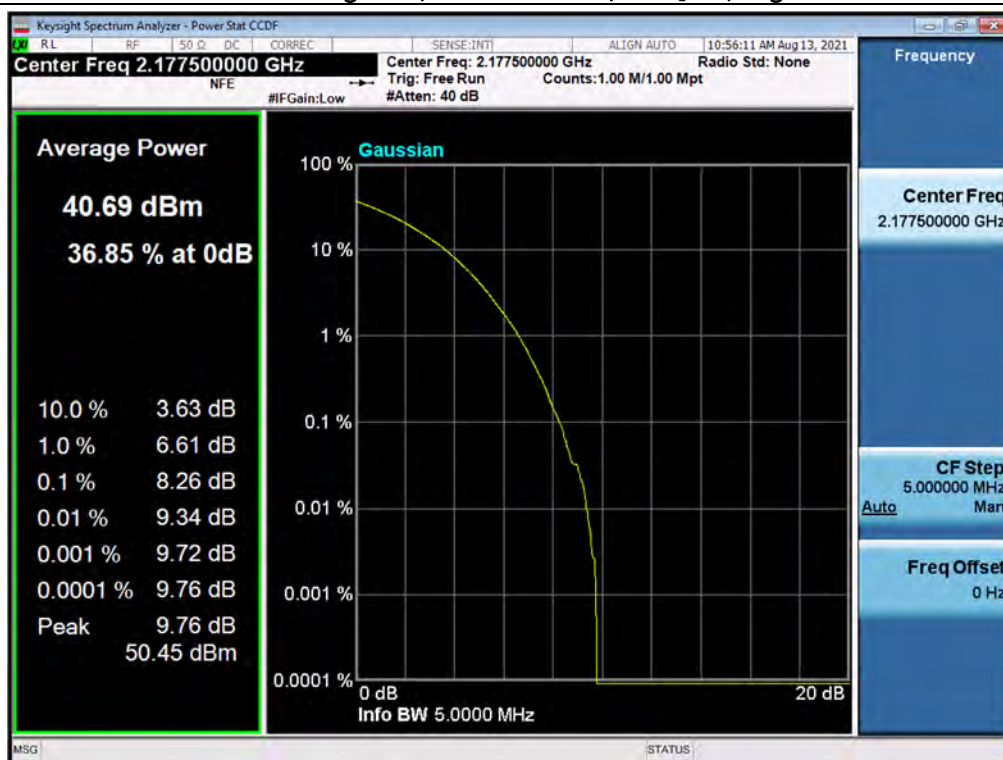
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 20 MHz + B66 LTE 5 MHz / 16QAM / High



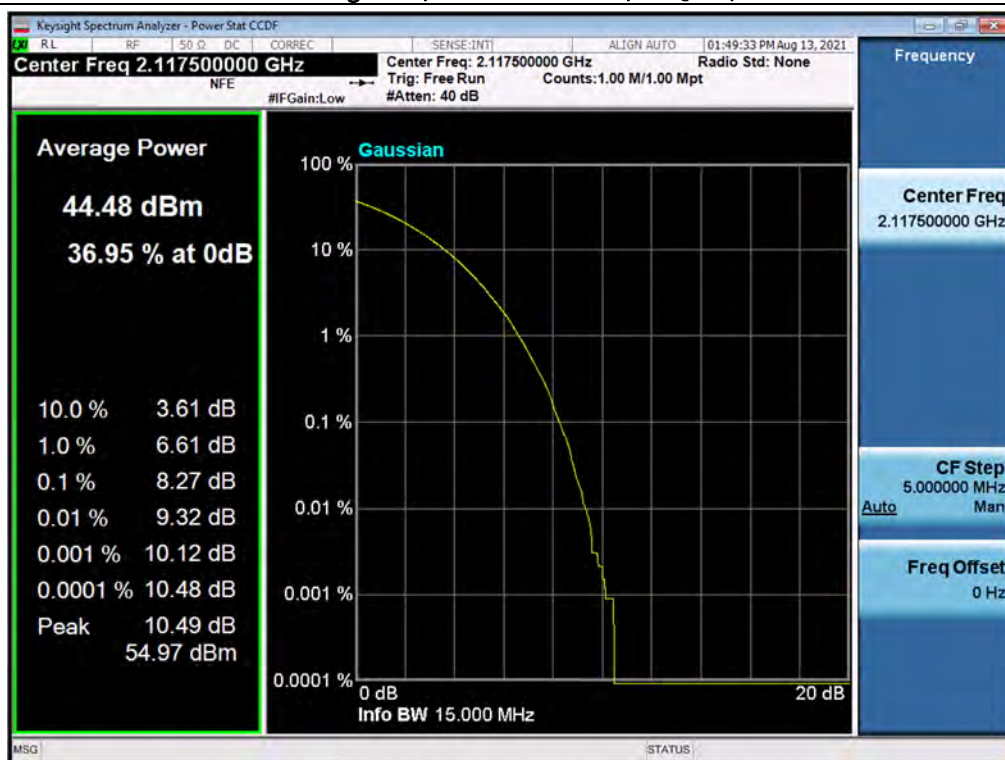
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 20 MHz / 256QAM / Low



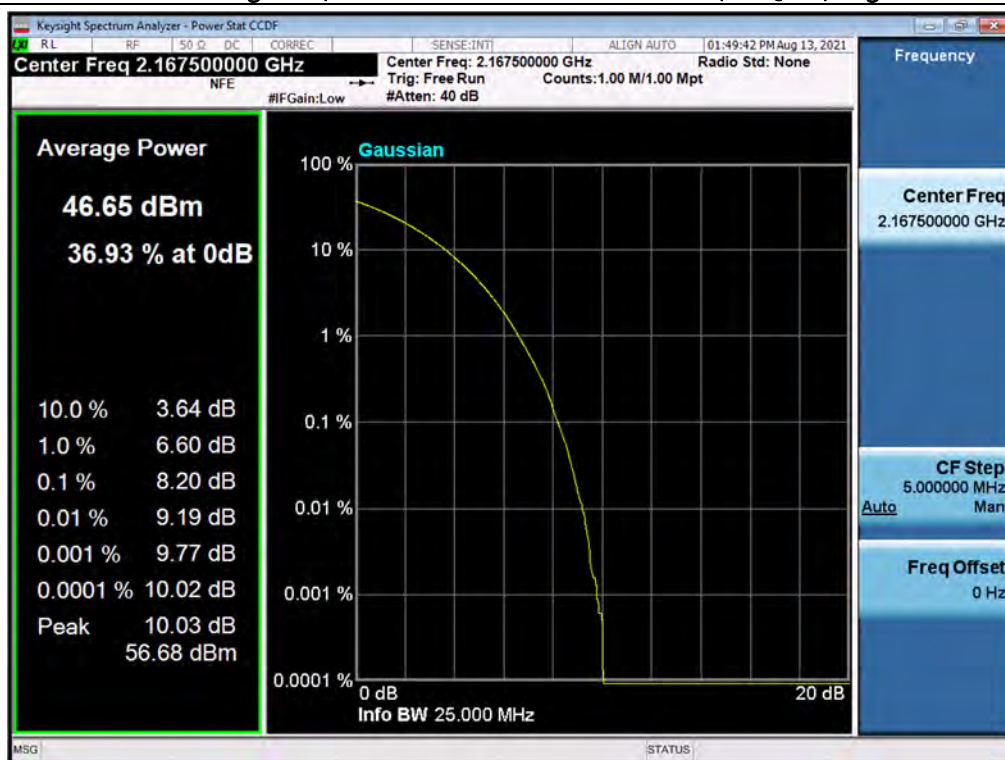
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 5 MHz / 256QAM / High



Antenna 1 / (2 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 15 MHz / 64QAM / Low



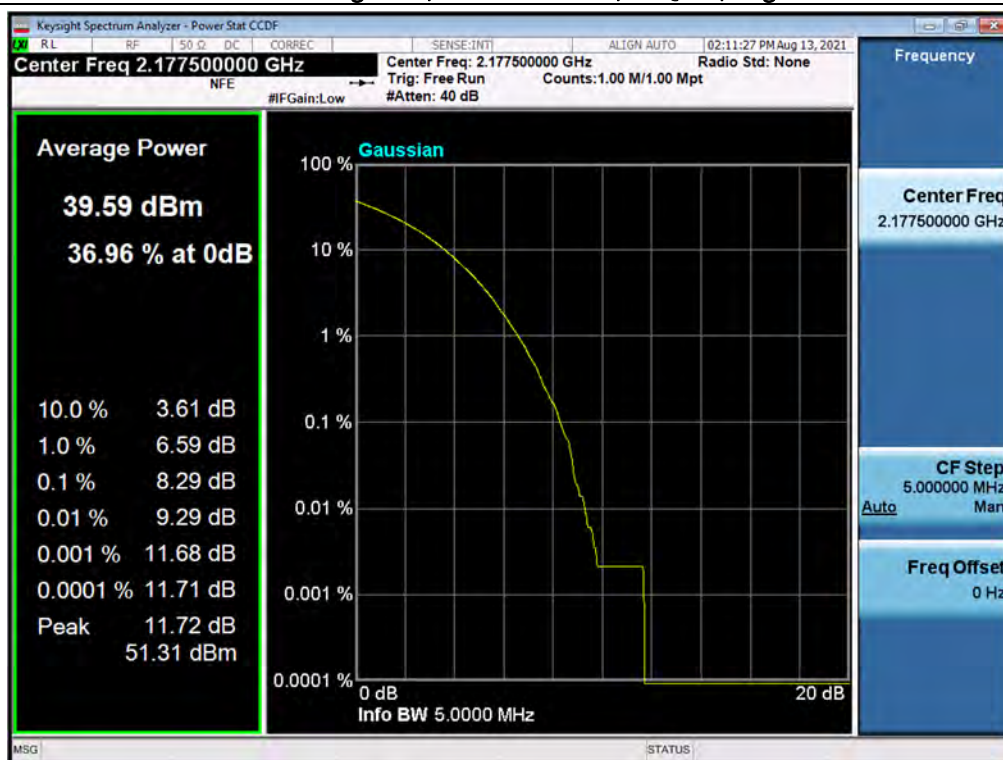
Antenna 1 / (2 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 20 MHz + B66 LTE 5 MHz / 64QAM / High



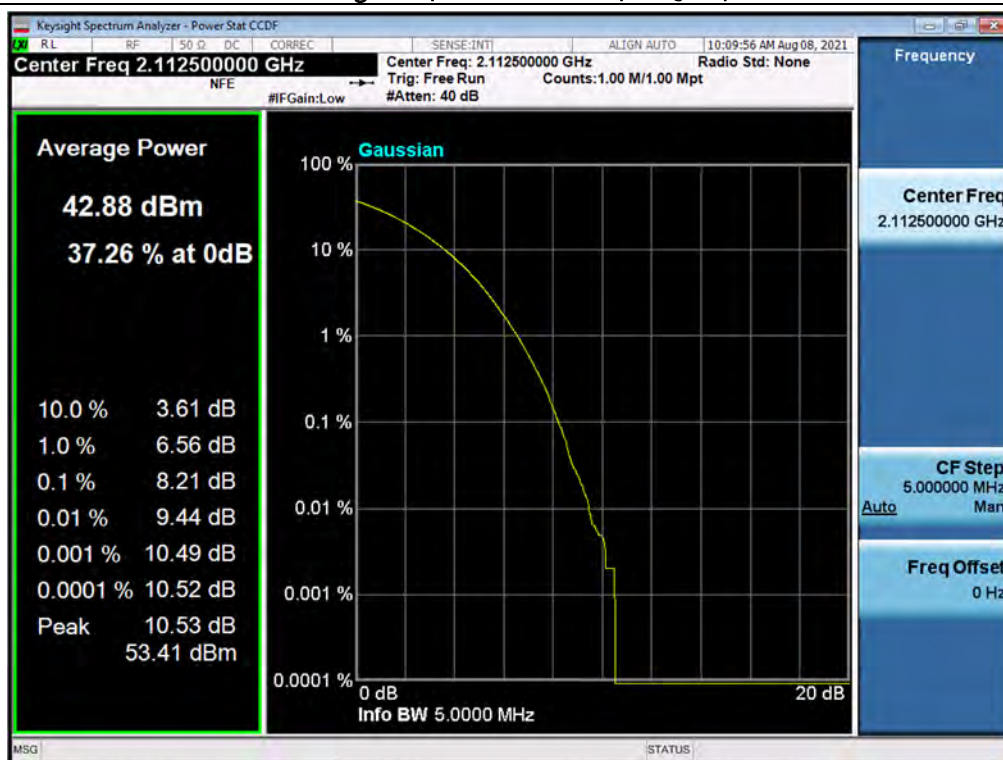
Antenna 0 / (2 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 15 MHz + B66 LTE 20 MHz / 16QAM / Low



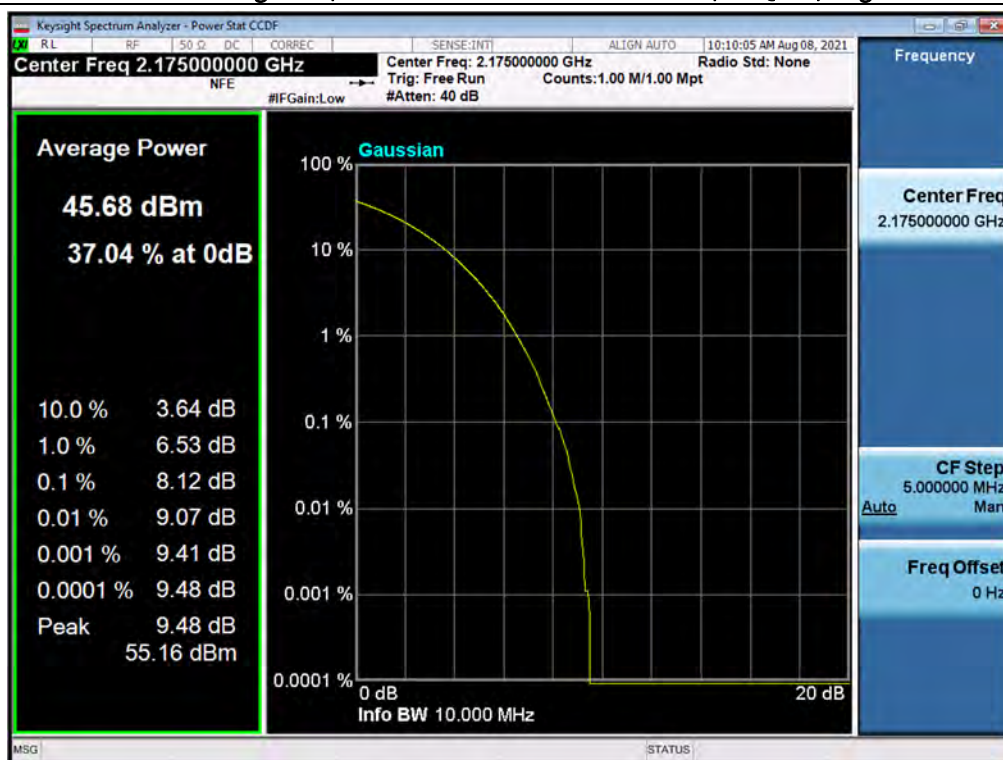
Antenna 0 / (2 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / High



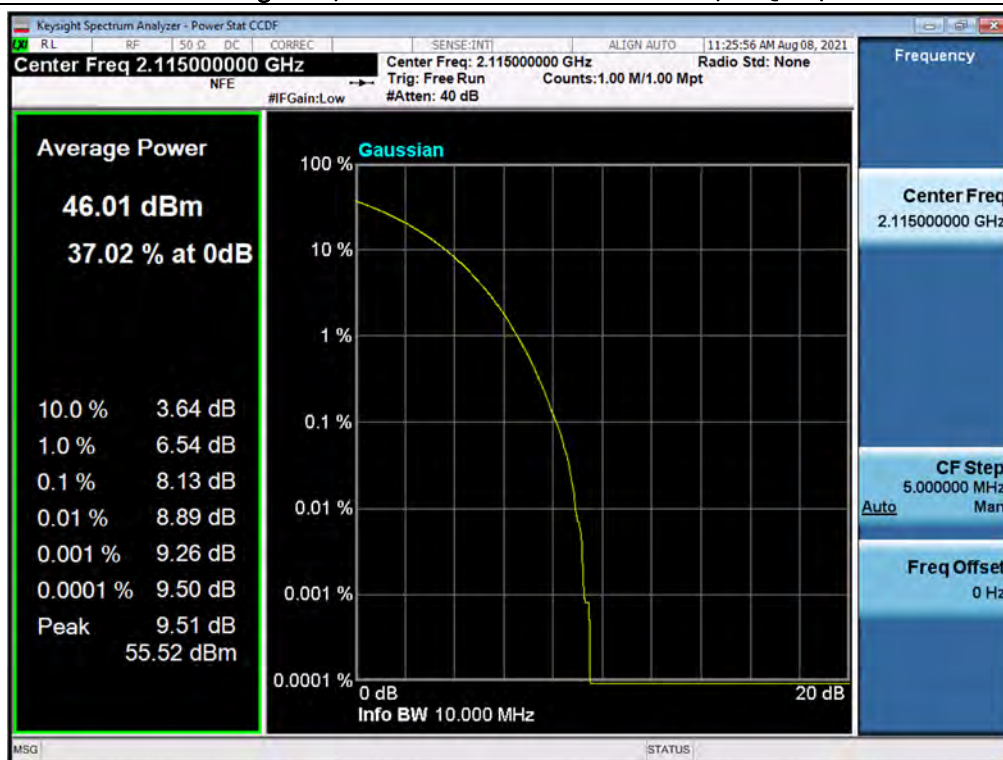
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / Low



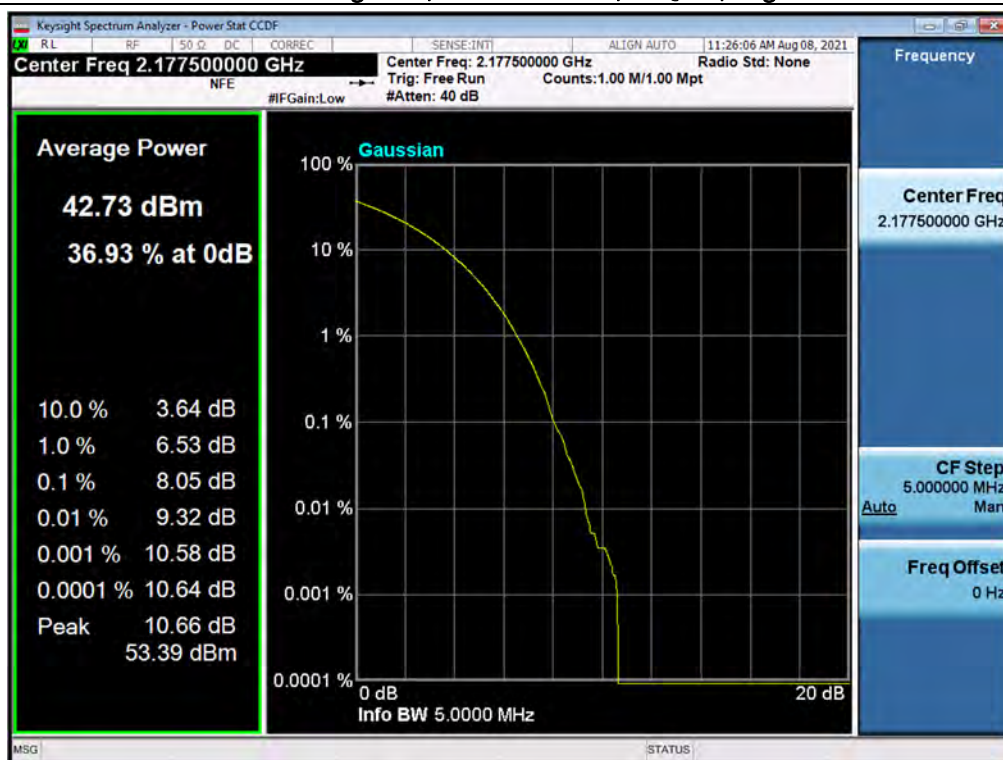
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz / 16QAM / High



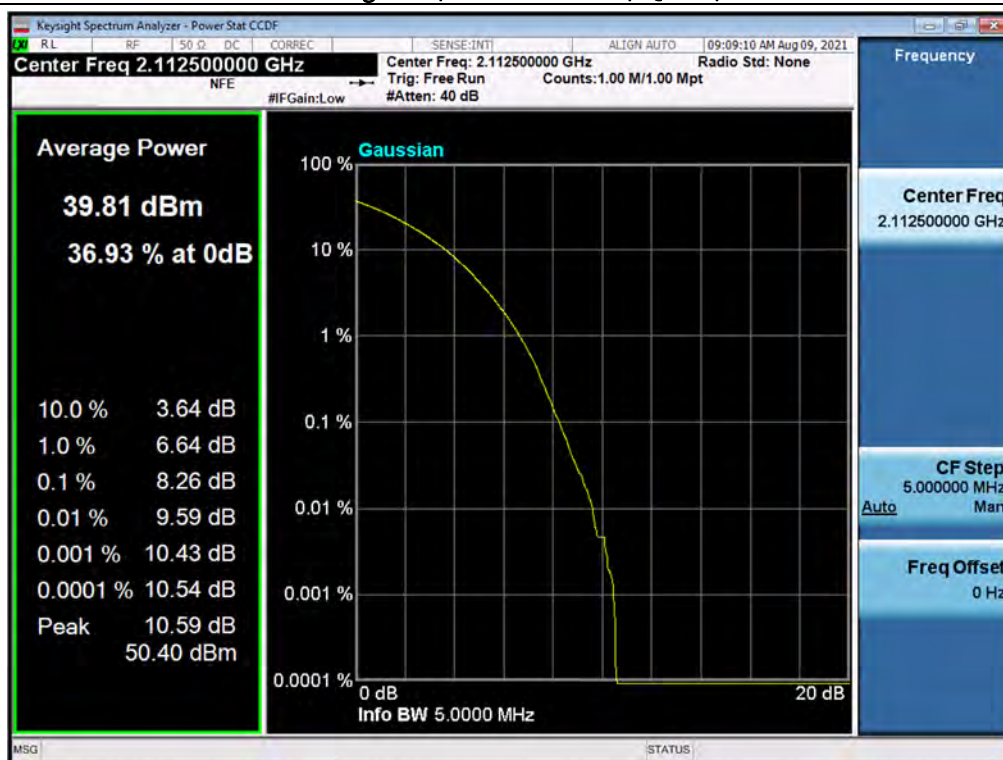
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz / 64QAM / Low



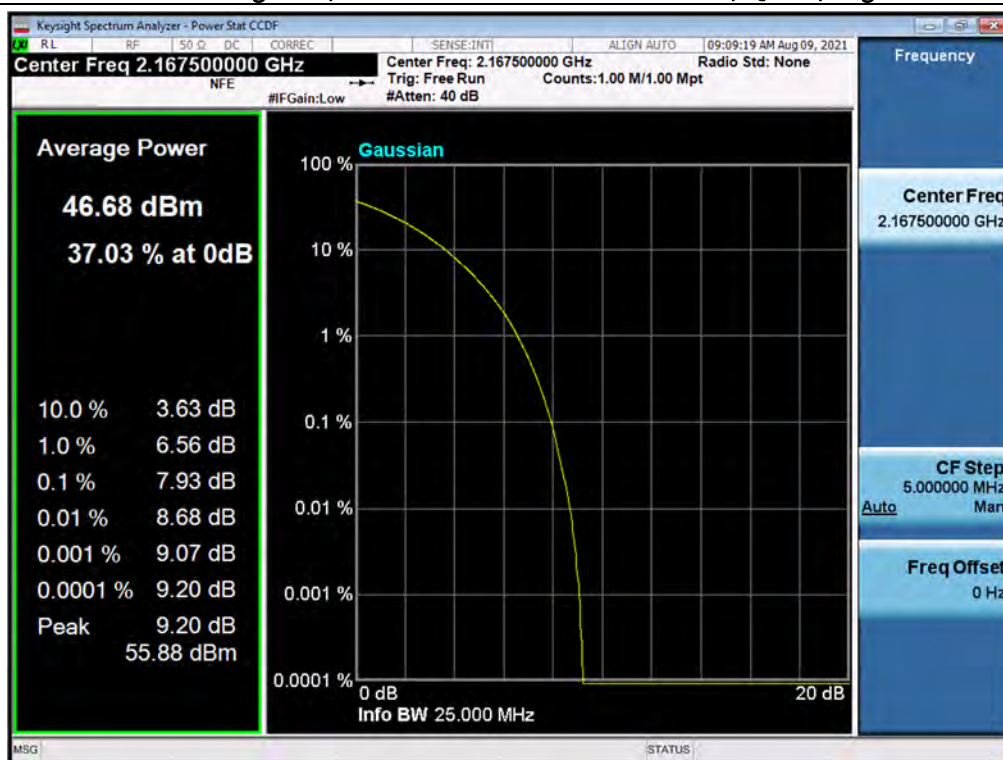
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 5 MHz / 64QAM / High



Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 5 MHz / QPSK / Low



Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 20 MHz + B66 LTE 5 MHz / QPSK / High



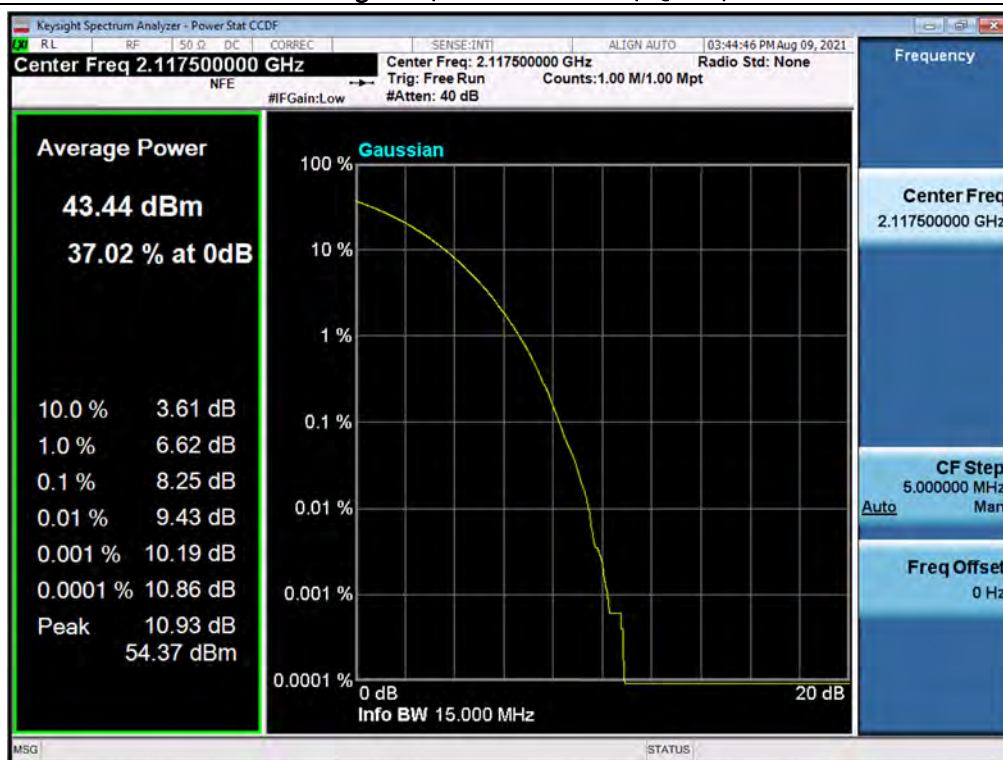
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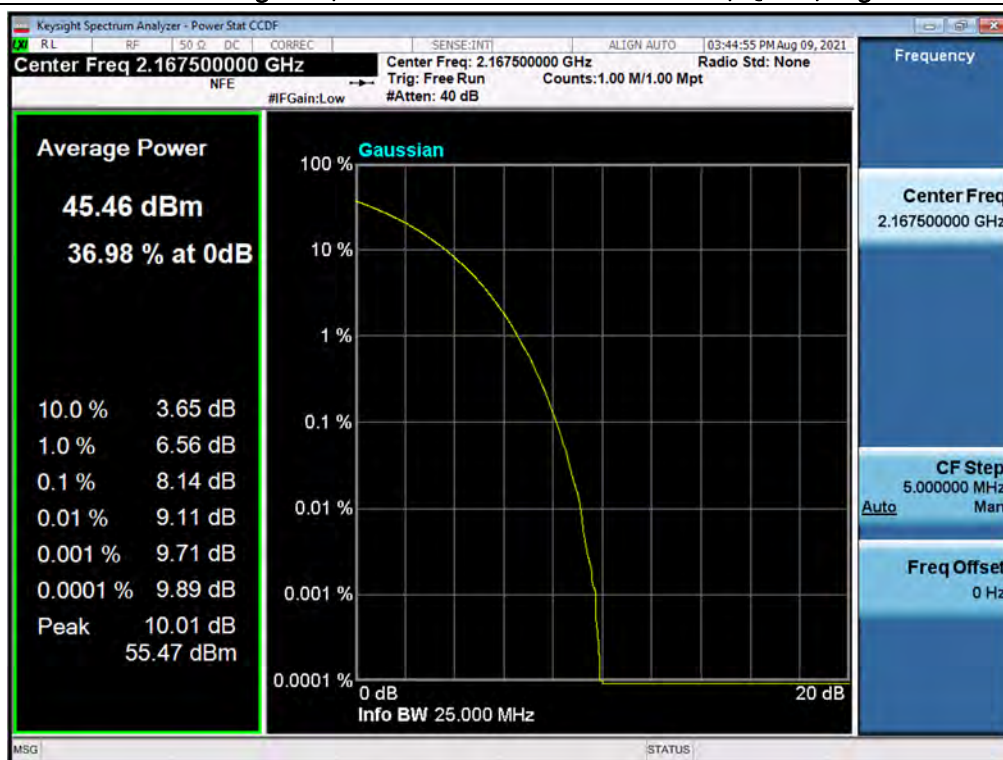
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 5 MHz / QPSK / High



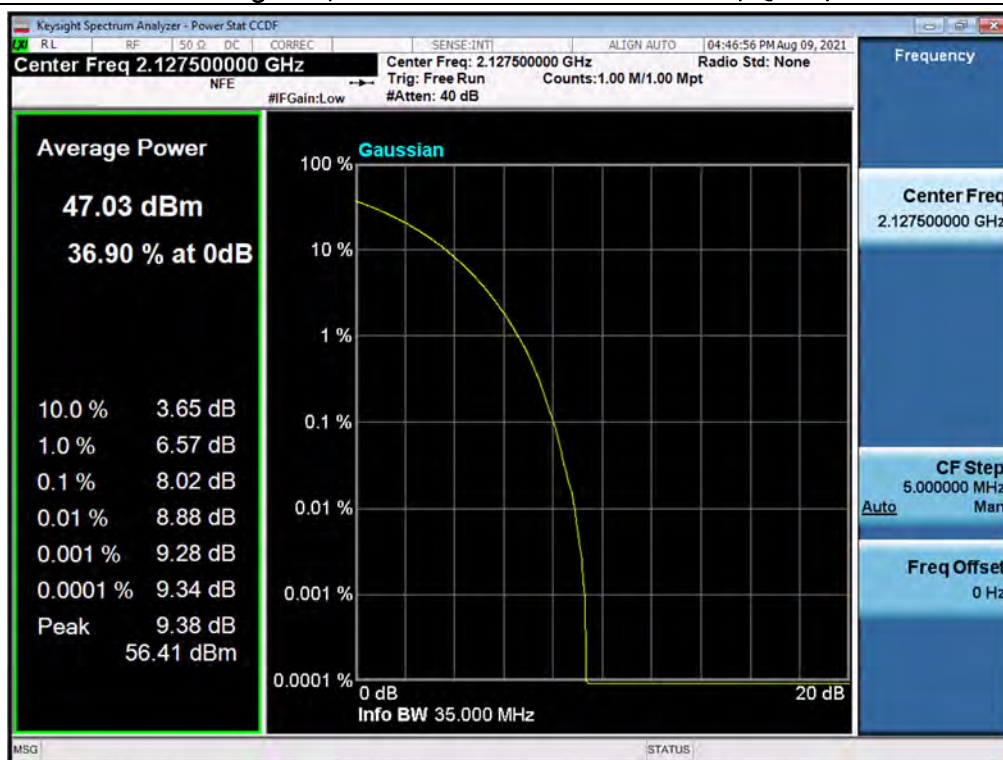
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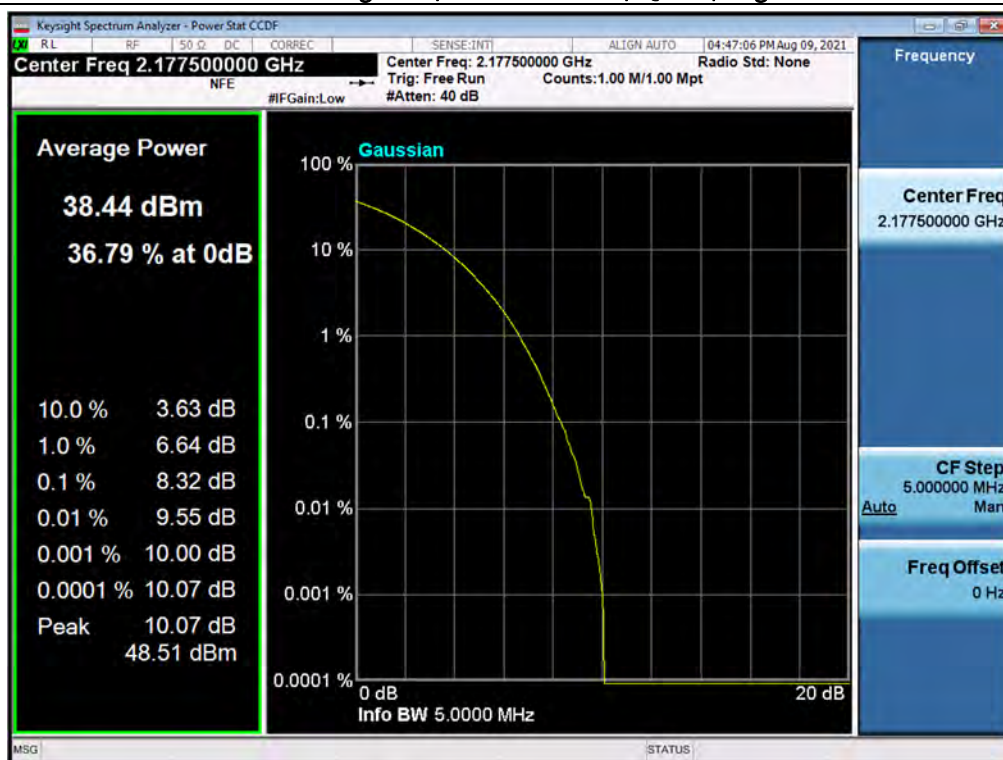
Antenna 2 / (4 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B66 LTE 20 MHz + B66 LTE 5 MHz / QPSK / High



Antenna 2 / (4 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 15 MHz + B66 LTE 20 MHz / QPSK / Low



Antenna 2 / (4 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B66 LTE 5 MHz / QPSK / High



Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 5 MHz / 256QAM / Low



Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz / 256QAM / High



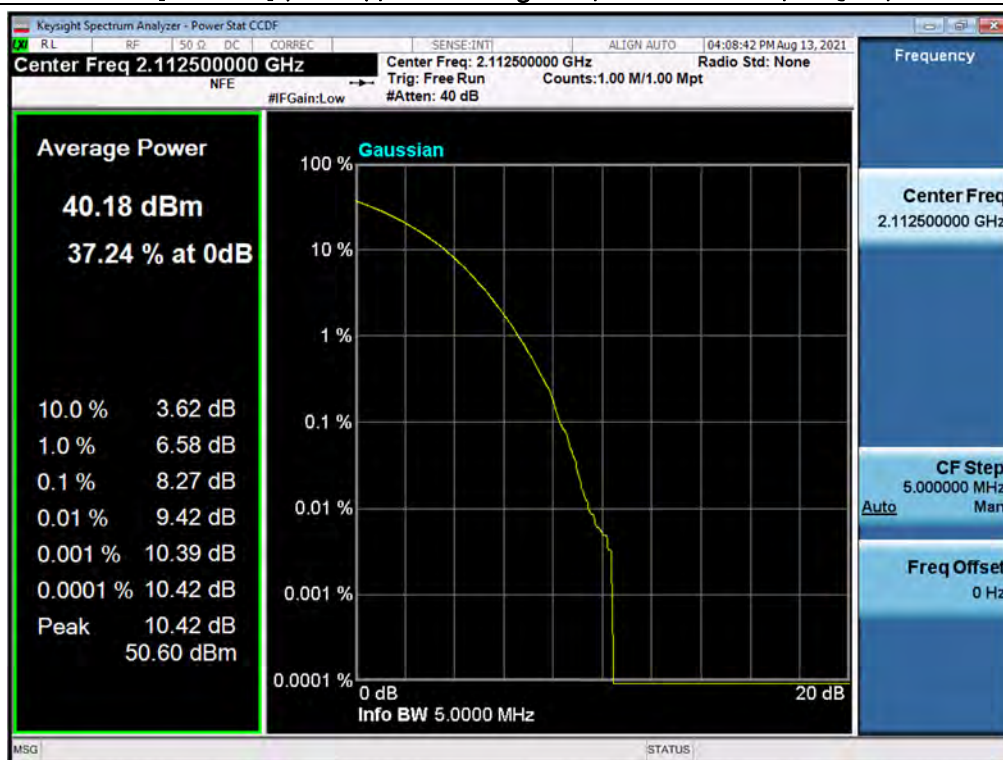
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz / 16QAM / Low



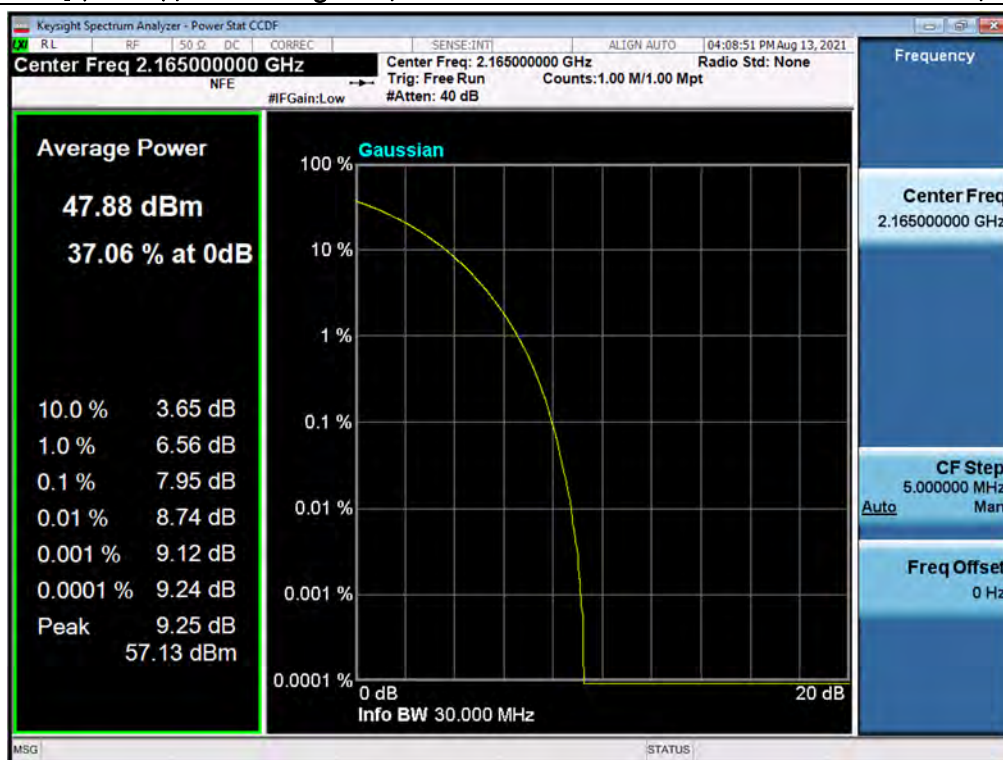
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / High



Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / Low



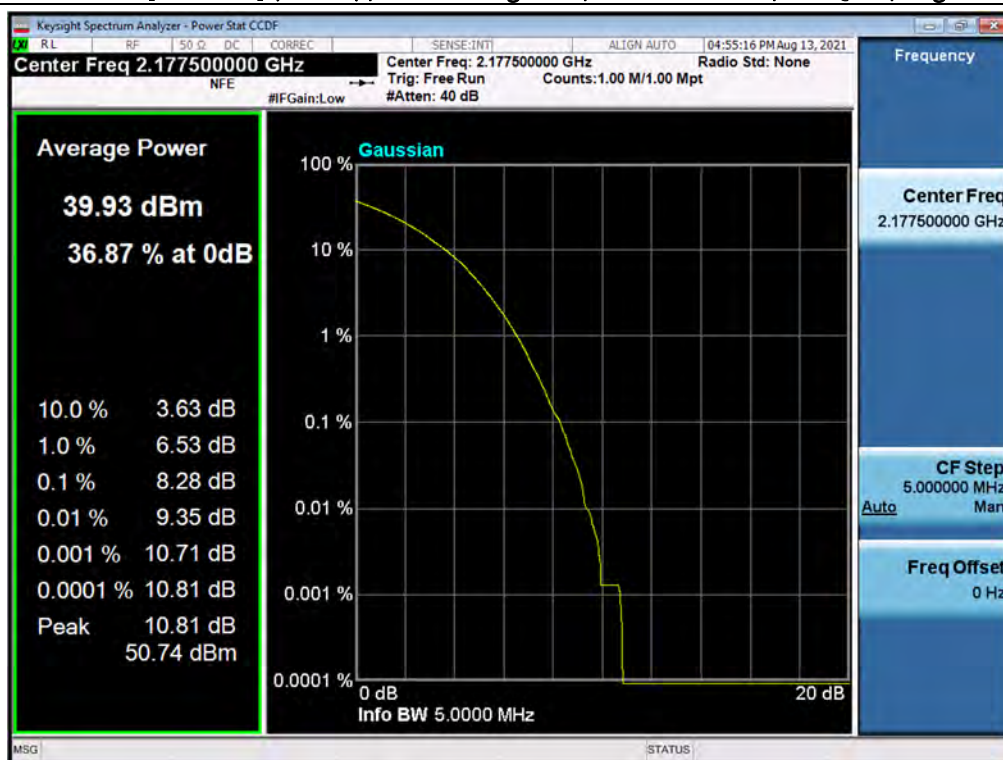
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 20 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz / 16QAM / High



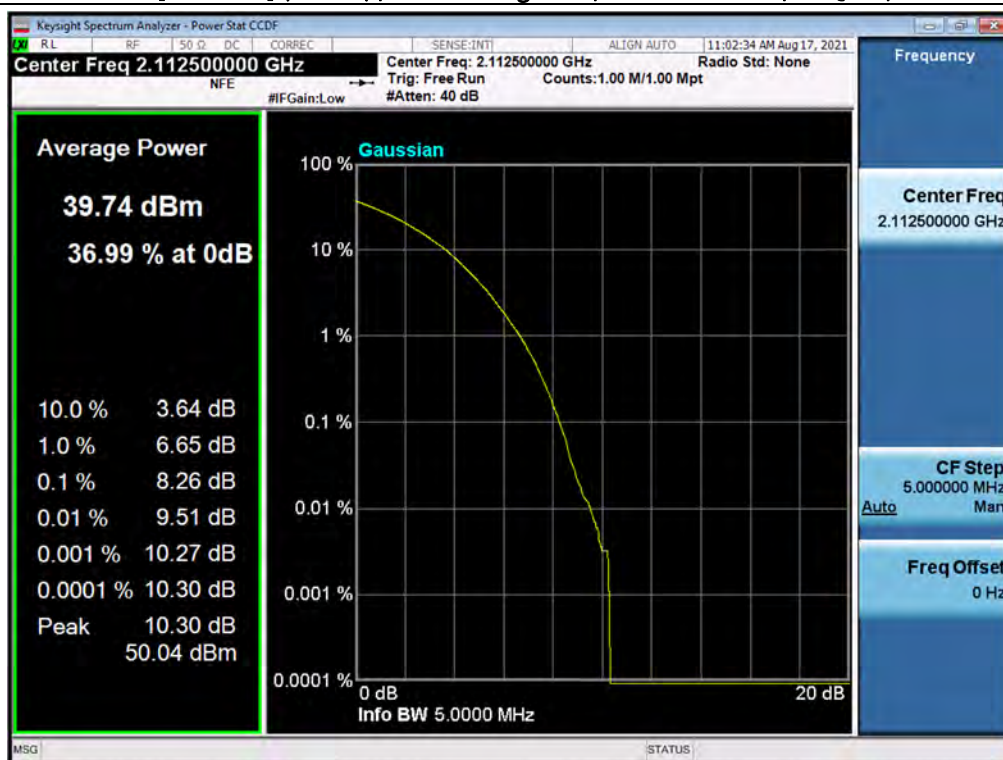
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 20 MHz / 256QAM / Low



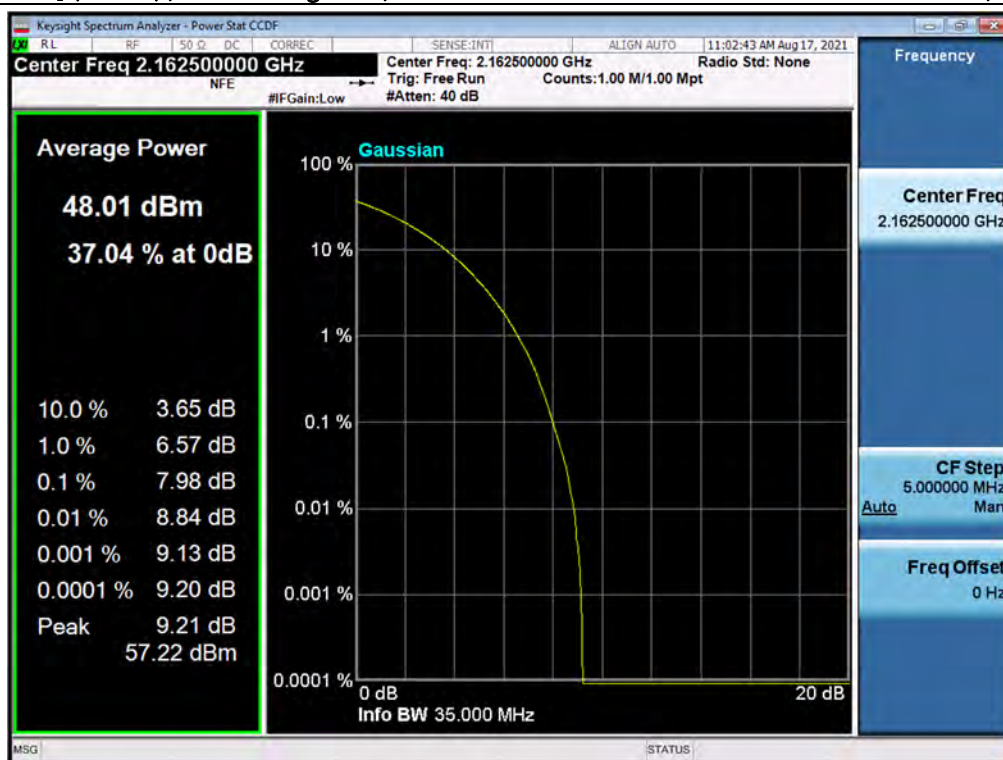
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz / 256QAM / High



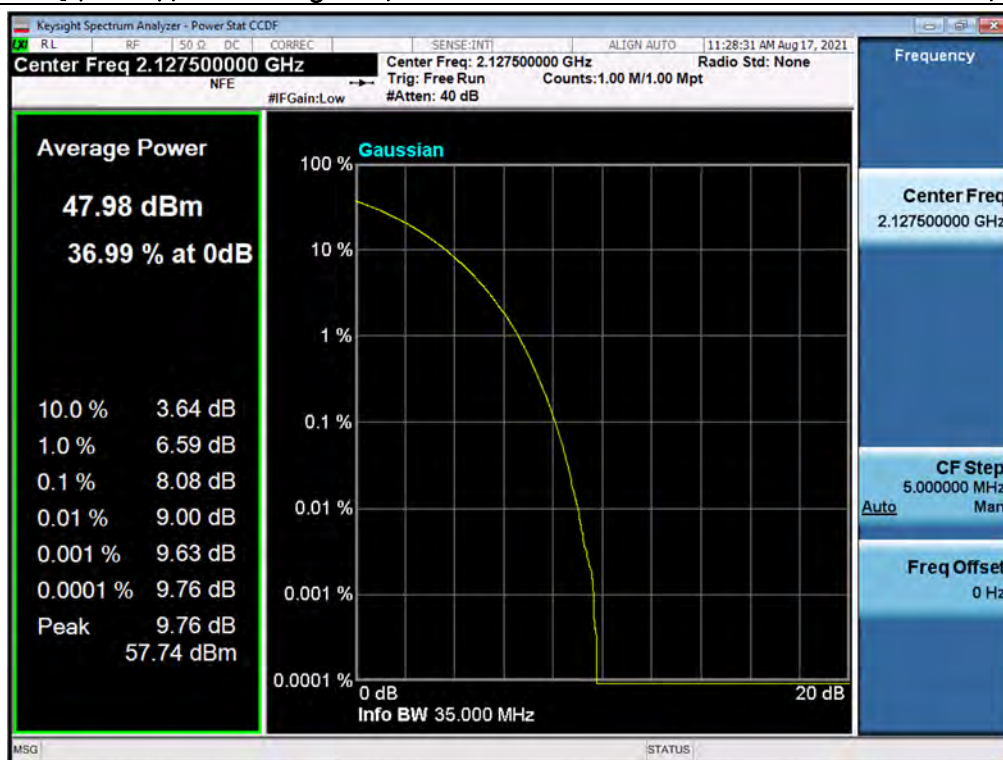
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 5 MHz / 64QAM / Low



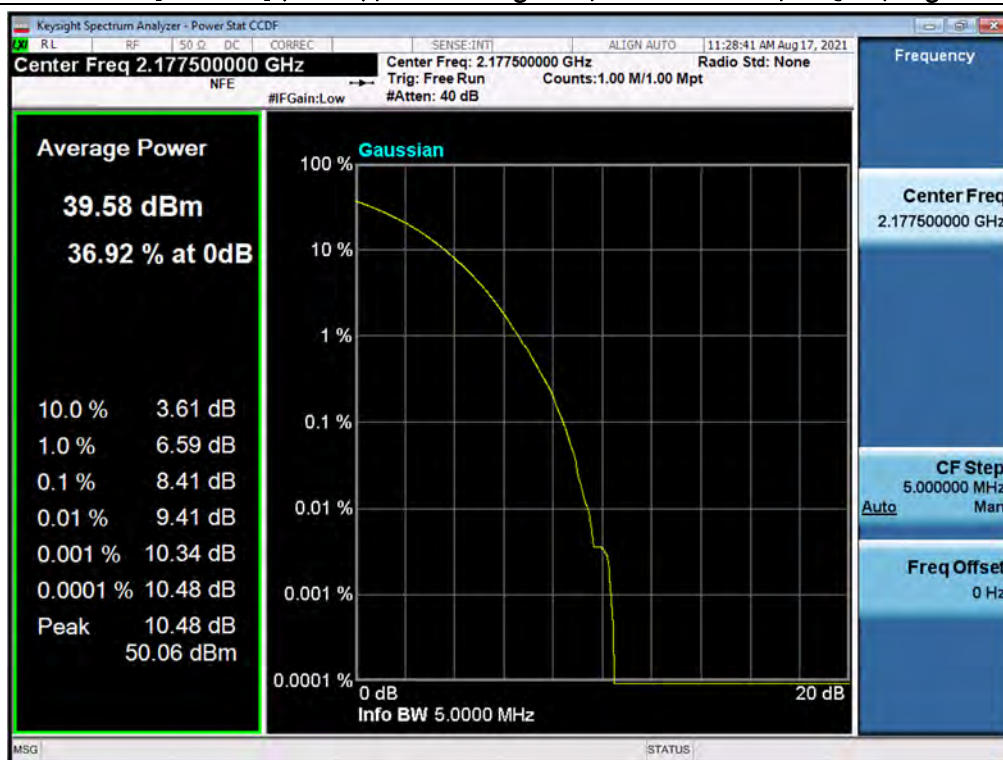
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 20 MHz + B66 LTE 10 MHz + B66 LTE 5 MHz / 64QAM / High



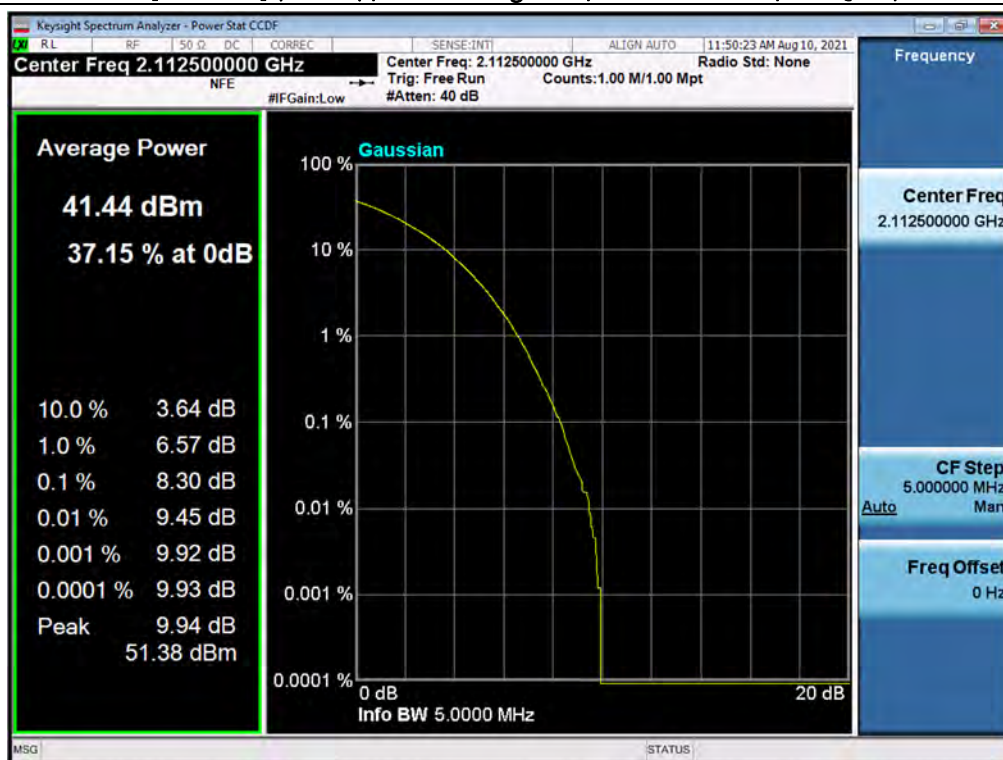
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 10 MHz + B66 LTE 20 MHz / 16QAM / Low



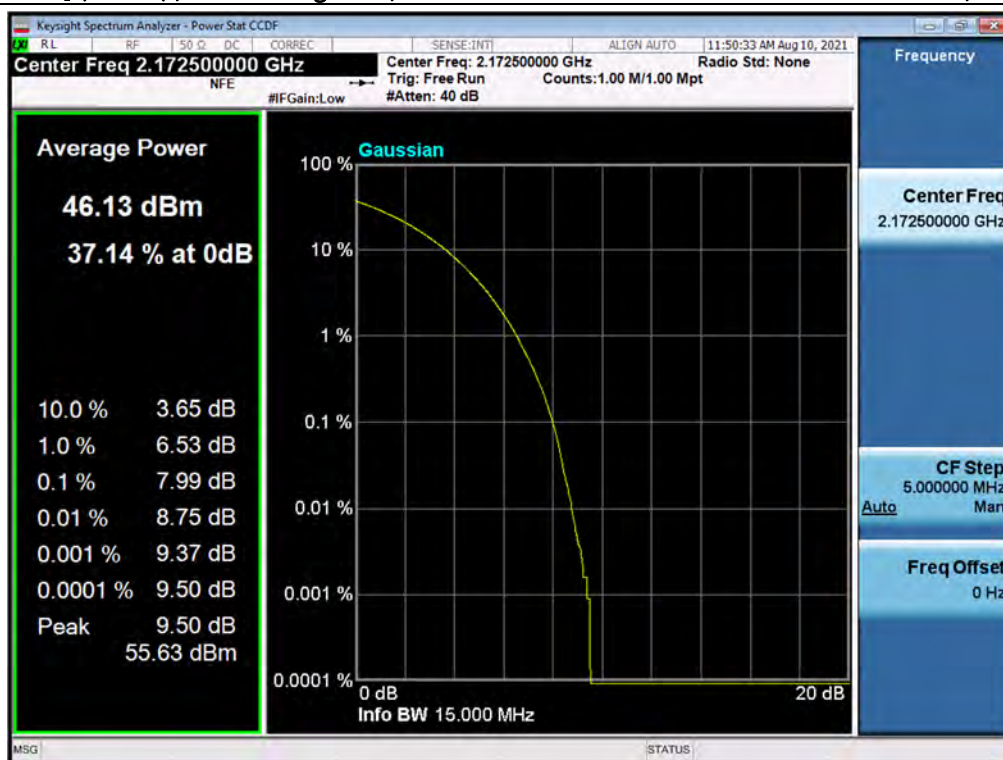
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / High



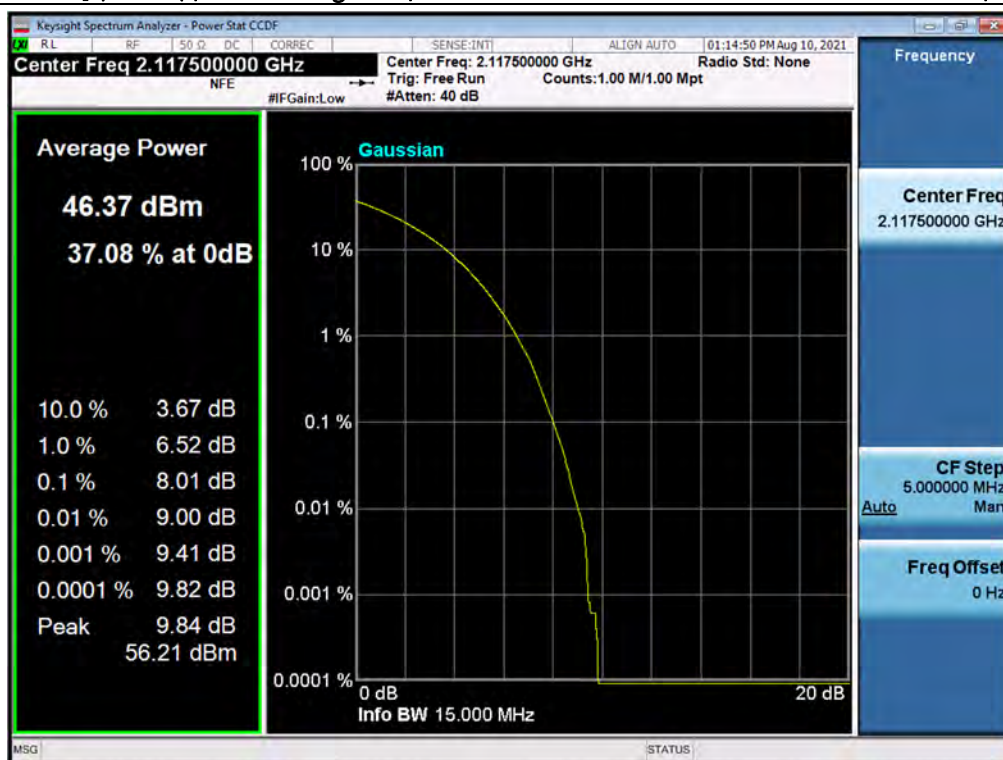
Antenna 1 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 5 MHz / 256QAM / Low



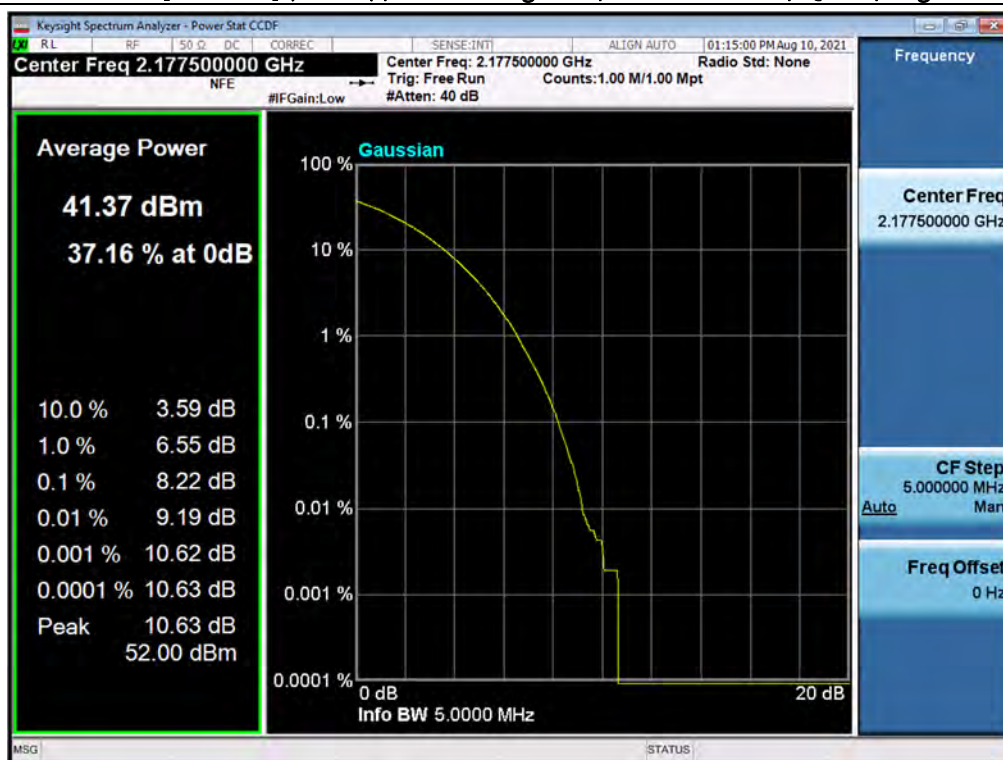
Antenna 1 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz / 256QAM / High



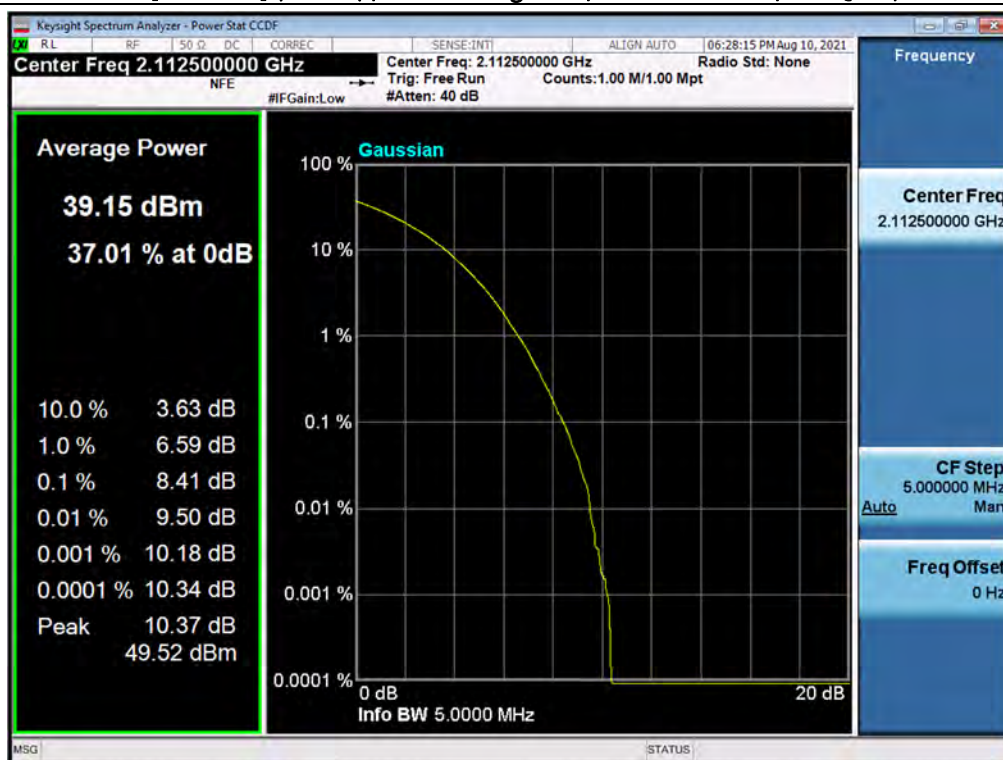
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz / QPSK / Low



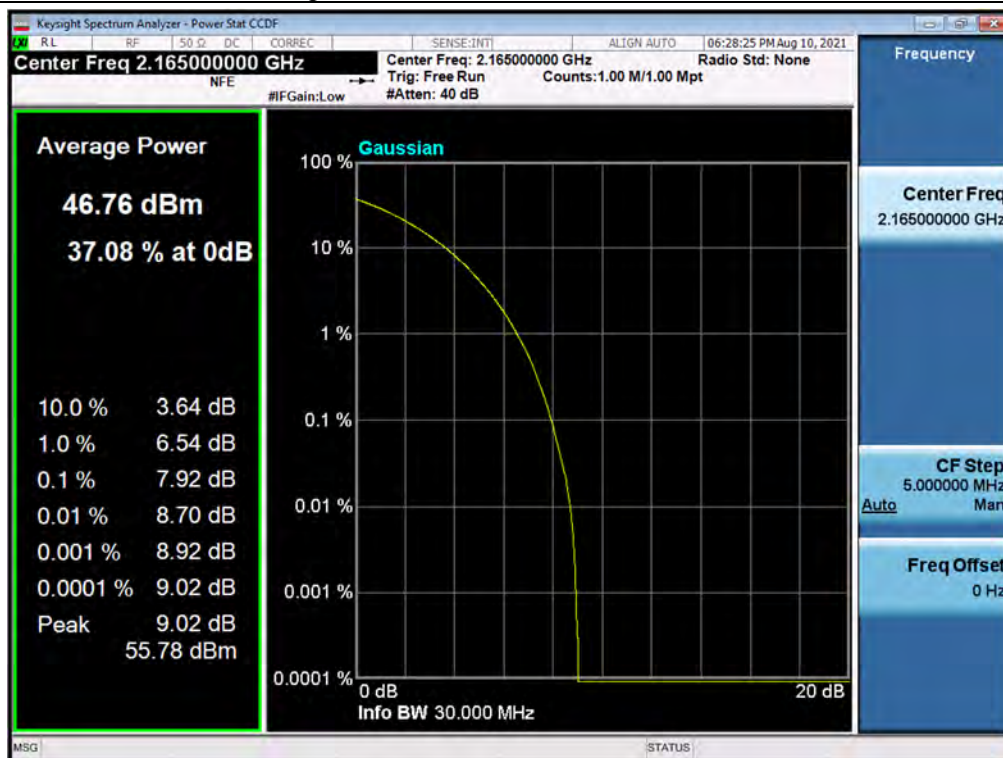
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz / QPSK / High



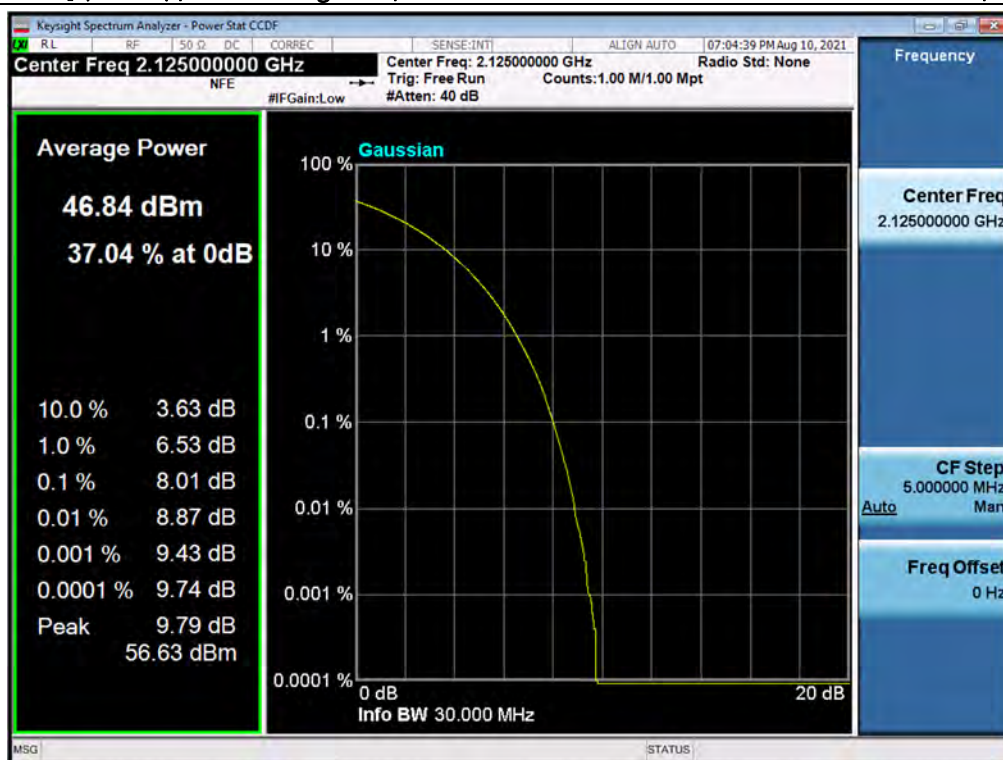
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 5 MHz / 256QAM / Low



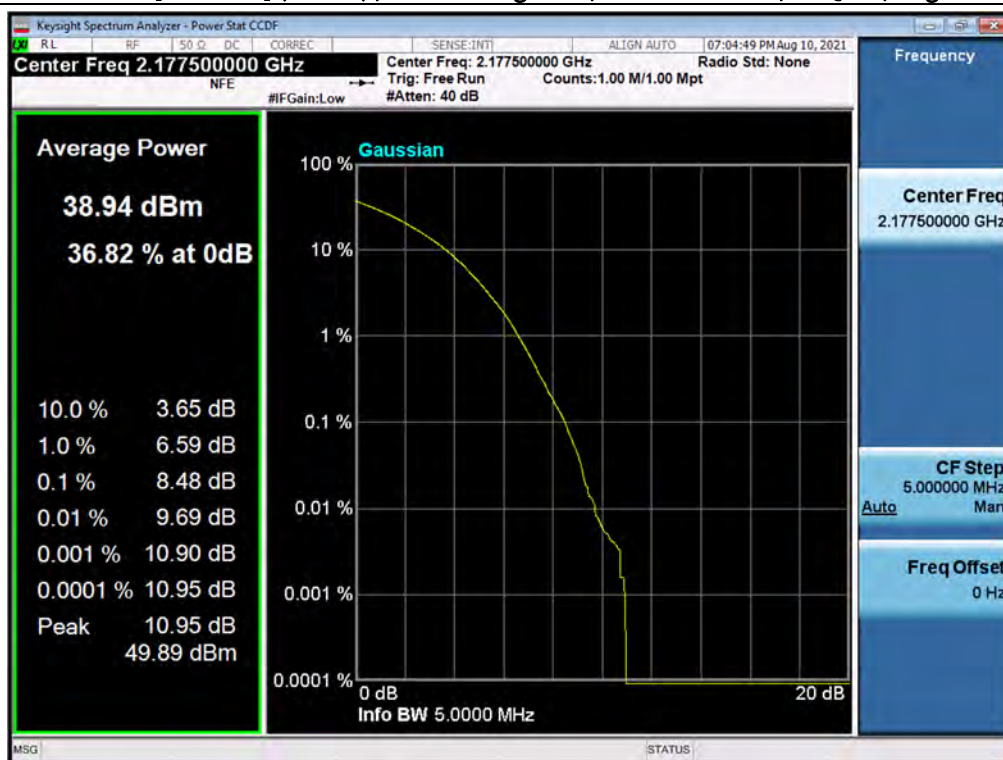
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 20 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz / 256QAM / High



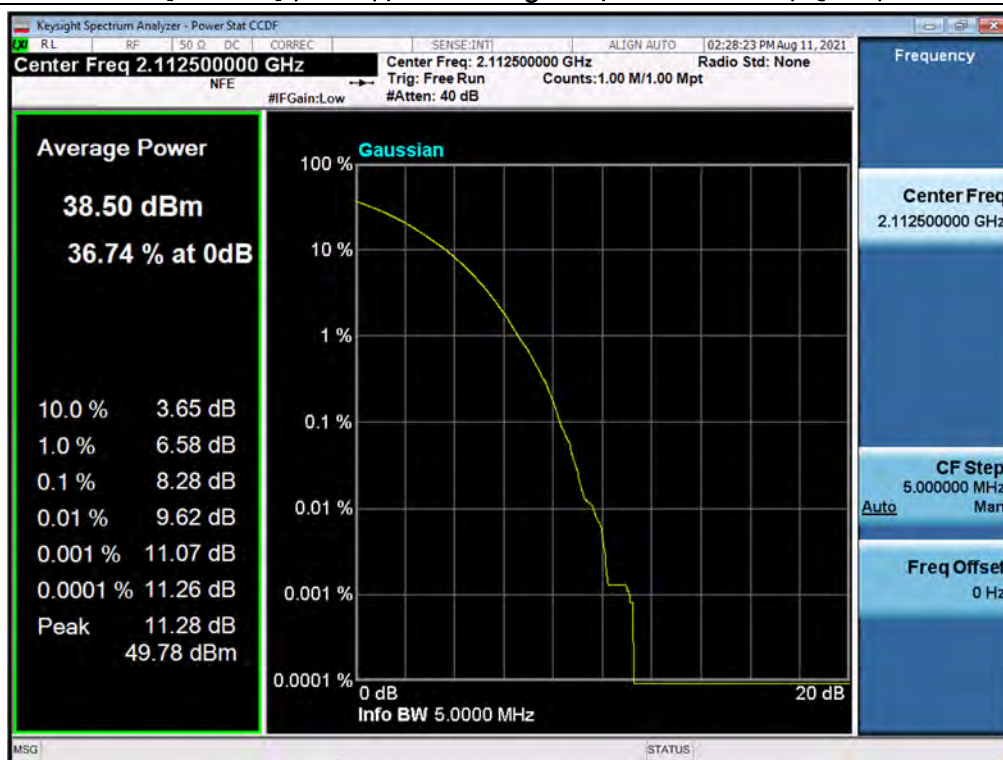
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 20 MHz / 16QAM / Low



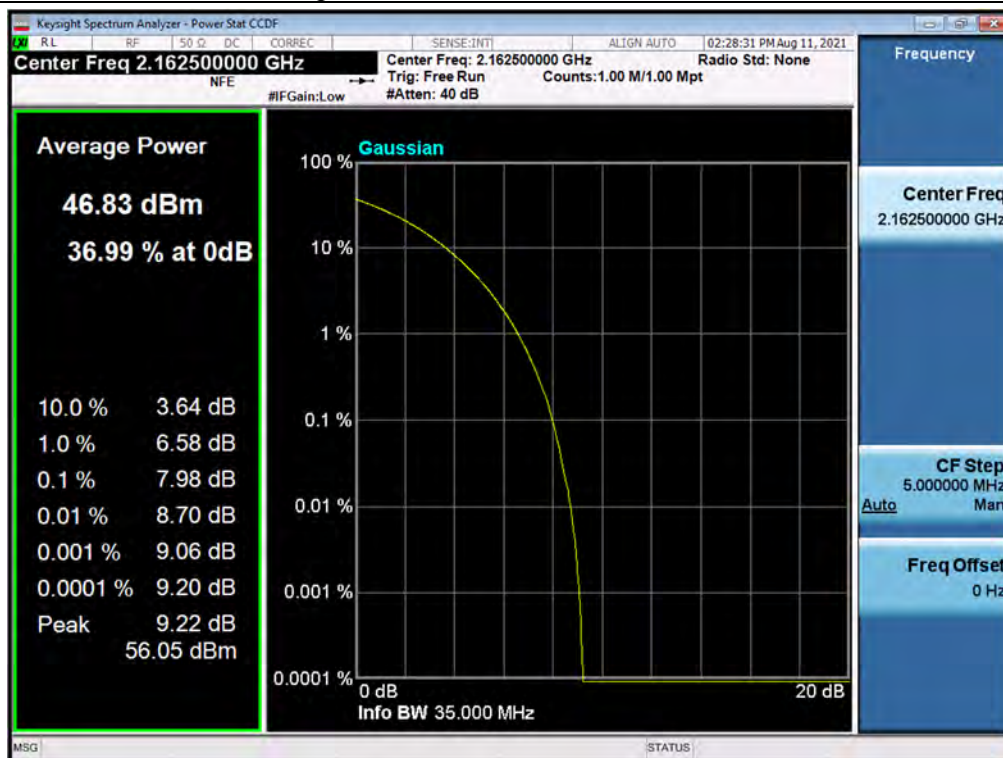
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / High



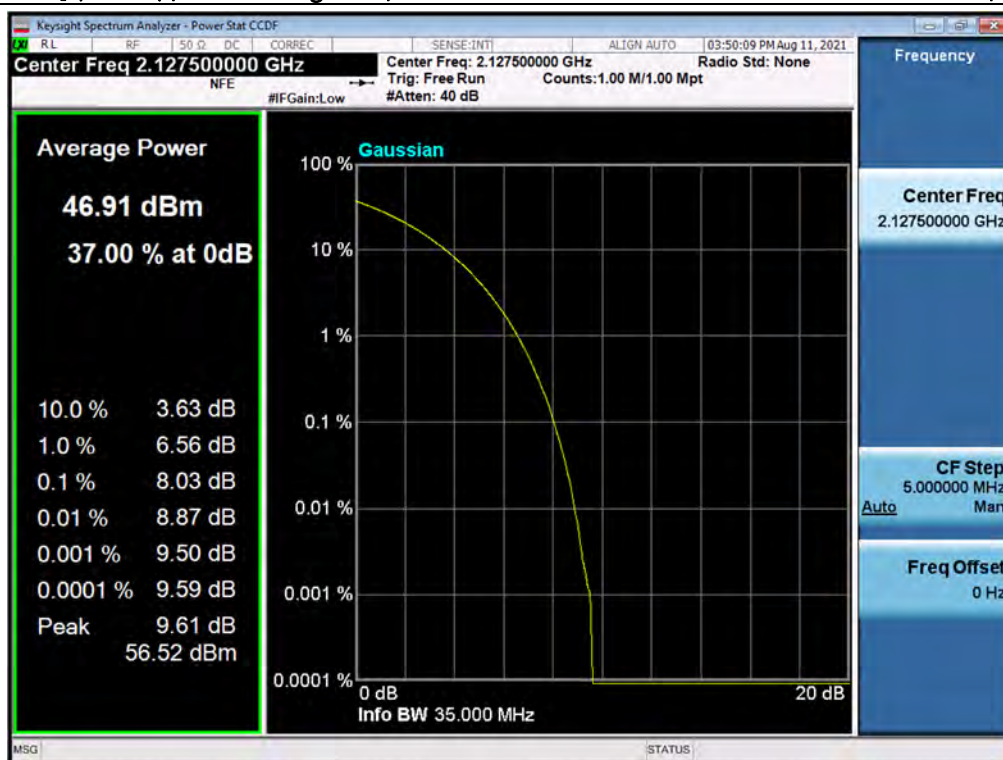
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 5 MHz / QPSK / Low



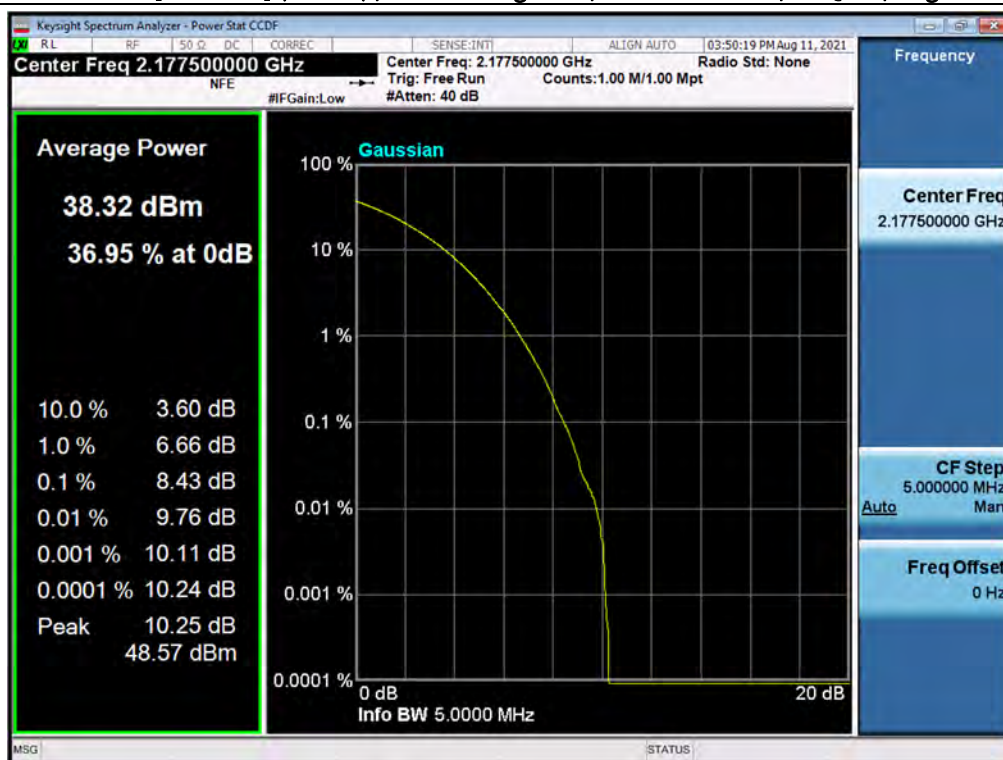
Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 LTE 20 MHz + B66 LTE 10 MHz + B66 LTE 5 MHz / QPSK / High



Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 10 MHz + B66 LTE 20 MHz / 16QAM / Low



Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 LTE 5 MHz / 16QAM / High



5.3. OCCUPIED BANDWIDTH

Test Requirements:

§ 2.1049 Measurements required: Occupied bandwidth.

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the specified conditions of § 2.1049 (a) through (i) as applicable.

Test Procedures:

The measurement is performed in accordance with Section 5.4.3 and 5.4.4 of ANSI C63.26.

5.4.3 Occupied bandwidth—Relative measurement procedure

The OBW is measured as the width of the spectral envelope of the modulated signal, at an amplitude level reduced from a reference value by a specified ratio (or in decibels, a specified number of dB down from the reference value). The typical ratio for transmitters is –26 dB, corresponding to the 26 dB BW; however, other ratios can be specified. In this subclause, the ratio is designated by “–X dB.”

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
NOTE—Step a), step b), and step c) may require iteration to adjust within the specified tolerances.
- d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “–X dB” requirement, i.e., if the requirement calls for measuring the –26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- f) Determine the reference value by either of the following:
 - 1) Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the Highest level of the displayed trace (this is the reference value).
 - 2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
- g) Determine the “–X dB amplitude” as equal to (Reference Value – X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- h) If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).
- i) Place two markers, one at the lowest and the other at the Highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “–X dB amplitude” determined in step f). If a marker is below this “–X dB amplitude” value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers. The spectral envelope can cross the “–X dB amplitude” at multiple points. The lowest or Highest frequency

shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the “-X dB amplitude.”

- j) The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

5.4.4 Occupied bandwidth—Power bandwidth (99%) measurement procedure

The OBW is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

The following procedure shall be used for measuring (99%) power bandwidth:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (typically a span of $1.5 \times \text{OBW}$ is sufficient).
- b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
NOTE—Step a), step b), and step c) may require iteration to adjust within the specified tolerances.
- d) Set the detection mode to peak, and the trace mode to max-hold.
- e) If the instrument does not have a 99% OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5% of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5% of the total is reached and record that frequency as the upper OBW frequency. The 99% power OBW can be determined by computing the difference these two frequencies.
- f) The OBW shall be reported and plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

Note: The results of the Occupied Bandwidth test shown above the frequency measured values are very small and similar trend for each port, so we are attached only the worst case plot.

Test Results:
Tabular Data of Occupied Bandwidth
(2 Port) B2 LTE 5 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1932.50	4.5019
		Middle	1960.00	4.4980
		High	1987.50	4.4950
	16QAM	Low	1932.50	4.4985
		Middle	1960.00	4.4992
		High	1987.50	4.5029
	64QAM	Low	1932.50	4.4975
		Middle	1960.00	4.4990
		High	1987.50	4.4953
	256QAM	Low	1932.50	4.5018
		Middle	1960.00	4.5024
		High	1987.50	4.4992
1	QPSK	Low	1932.50	4.5029
		Middle	1960.00	4.4998
		High	1987.50	4.4971
	16QAM	Low	1932.50	4.5008
		Middle	1960.00	4.4723
		High	1987.50	4.5017
	64QAM	Low	1932.50	4.4973
		Middle	1960.00	4.5131
		High	1987.50	4.4966
	256QAM	Low	1932.50	4.4953
		Middle	1960.00	4.5071
		High	1987.50	4.5018

(2 Port) B2 LTE 10 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1935.00	8.9871
		Middle	1960.00	9.0174
		High	1985.00	9.0044
	16QAM	Low	1935.00	8.9884
		Middle	1960.00	9.0305
		High	1985.00	9.0031
	64QAM	Low	1935.00	9.0013
		Middle	1960.00	8.9876
		High	1985.00	8.9842
	256QAM	Low	1935.00	8.9779
		Middle	1960.00	9.0007
		High	1985.00	9.0022
1	QPSK	Low	1935.00	8.9746
		Middle	1960.00	9.0004
		High	1985.00	9.0022
	16QAM	Low	1935.00	9.0066
		Middle	1960.00	9.0069
		High	1985.00	9.0204
	64QAM	Low	1935.00	9.0064
		Middle	1960.00	8.9703
		High	1985.00	9.0109
	256QAM	Low	1935.00	8.9970
		Middle	1960.00	8.9926
		High	1985.00	8.9933

(2 Port) B2 LTE 15 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1937.50	13.491
		Middle	1960.00	13.477
		High	1982.50	13.454
	16QAM	Low	1937.50	13.532
		Middle	1960.00	13.526
		High	1982.50	13.530
	64QAM	Low	1937.50	13.488
		Middle	1960.00	13.491
		High	1982.50	13.472
	256QAM	Low	1937.50	13.500
		Middle	1960.00	13.465
		High	1982.50	13.468
1	QPSK	Low	1937.50	13.492
		Middle	1960.00	13.483
		High	1982.50	13.473
	16QAM	Low	1937.50	13.476
		Middle	1960.00	13.499
		High	1982.50	13.466
	64QAM	Low	1937.50	13.457
		Middle	1960.00	13.476
		High	1982.50	13.463
	256QAM	Low	1937.50	13.467
		Middle	1960.00	13.452
		High	1982.50	13.458

(2 Port) B2 LTE 20 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1940.00	17.945
		Middle	1960.00	17.967
		High	1980.00	17.968
	16QAM	Low	1940.00	17.938
		Middle	1960.00	17.935
		High	1980.00	17.901
	64QAM	Low	1940.00	17.926
		Middle	1960.00	17.989
		High	1980.00	17.976
	256QAM	Low	1940.00	17.955
		Middle	1960.00	17.982
		High	1980.00	17.935
1	QPSK	Low	1940.00	17.933
		Middle	1960.00	17.945
		High	1980.00	17.983
	16QAM	Low	1940.00	17.900
		Middle	1960.00	17.950
		High	1980.00	18.004
	64QAM	Low	1940.00	17.955
		Middle	1960.00	17.923
		High	1980.00	17.999
	256QAM	Low	1940.00	18.019
		Middle	1960.00	17.958
		High	1980.00	17.986

(4 Port) B2 LTE 5 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1932.50	4.4946
		Middle	1960.00	4.5052
		High	1987.50	4.5101
	16QAM	Low	1932.50	4.5017
		Middle	1960.00	4.4933
		High	1987.50	4.4655
	64QAM	Low	1932.50	4.4946
		Middle	1960.00	4.5095
		High	1987.50	4.5090
	256QAM	Low	1932.50	4.5122
		Middle	1960.00	4.4940
		High	1987.50	4.4915
1	QPSK	Low	1932.50	4.4918
		Middle	1960.00	4.5010
		High	1987.50	4.4947
	16QAM	Low	1932.50	4.4919
		Middle	1960.00	4.4991
		High	1987.50	4.4918
	64QAM	Low	1932.50	4.5030
		Middle	1960.00	4.5140
		High	1987.50	4.4961
	256QAM	Low	1932.50	4.5098
		Middle	1960.00	4.4914
		High	1987.50	4.5034

2	QPSK	Low	1932.50	4.4961
		Middle	1960.00	4.4983
		High	1987.50	4.4980
	16QAM	Low	1932.50	4.4938
		Middle	1960.00	4.4899
		High	1987.50	4.4682
	64QAM	Low	1932.50	4.4973
		Middle	1960.00	4.5117
		High	1987.50	4.5112
	256QAM	Low	1932.50	4.5060
		Middle	1960.00	4.4999
		High	1987.50	4.5041
3	QPSK	Low	1932.50	4.4980
		Middle	1960.00	4.4956
		High	1987.50	4.5121
	16QAM	Low	1932.50	4.4860
		Middle	1960.00	4.4702
		High	1987.50	4.4846
	64QAM	Low	1932.50	4.5057
		Middle	1960.00	4.5069
		High	1987.50	4.5009
	256QAM	Low	1932.50	4.4997
		Middle	1960.00	4.4944
		High	1987.50	4.5063

(4 Port) B2 LTE 10 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1935.00	9.0024
		Middle	1960.00	9.0053
		High	1985.00	8.9856
	16QAM	Low	1935.00	8.9877
		Middle	1960.00	8.9851
		High	1985.00	8.9992
	64QAM	Low	1935.00	9.0108
		Middle	1960.00	8.9925
		High	1985.00	8.9862
	256QAM	Low	1935.00	9.0057
		Middle	1960.00	9.0072
		High	1985.00	9.0028
1	QPSK	Low	1935.00	8.9996
		Middle	1960.00	9.0252
		High	1985.00	8.9985
	16QAM	Low	1935.00	8.9780
		Middle	1960.00	9.0081
		High	1985.00	8.9918
	64QAM	Low	1935.00	9.0173
		Middle	1960.00	9.0250
		High	1985.00	8.9750
	256QAM	Low	1935.00	8.9717
		Middle	1960.00	9.0197
		High	1985.00	9.0064

2	QPSK	Low	1935.00	9.0013
		Middle	1960.00	9.0112
		High	1985.00	9.0119
	16QAM	Low	1935.00	8.9744
		Middle	1960.00	9.0065
		High	1985.00	9.0075
	64QAM	Low	1935.00	9.0045
		Middle	1960.00	9.0090
		High	1985.00	8.9870
	256QAM	Low	1935.00	8.9901
		Middle	1960.00	8.9966
		High	1985.00	8.9858
3	QPSK	Low	1935.00	9.0032
		Middle	1960.00	9.0015
		High	1985.00	9.0075
	16QAM	Low	1935.00	9.0172
		Middle	1960.00	9.0040
		High	1985.00	8.9839
	64QAM	Low	1935.00	8.9958
		Middle	1960.00	9.0337
		High	1985.00	8.9947
	256QAM	Low	1935.00	9.0063
		Middle	1960.00	8.9966
		High	1985.00	8.9703

(4 Port) B2 LTE 15 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1937.50	13.452
		Middle	1960.00	13.467
		High	1982.50	13.482
	16QAM	Low	1937.50	13.515
		Middle	1960.00	13.492
		High	1982.50	13.473
	64QAM	Low	1937.50	13.472
		Middle	1960.00	13.471
		High	1982.50	13.480
	256QAM	Low	1937.50	13.477
		Middle	1960.00	13.447
		High	1982.50	13.476
1	QPSK	Low	1937.50	13.463
		Middle	1960.00	13.452
		High	1982.50	13.454
	16QAM	Low	1937.50	13.530
		Middle	1960.00	13.457
		High	1982.50	13.497
	64QAM	Low	1937.50	13.450
		Middle	1960.00	13.486
		High	1982.50	13.502
	256QAM	Low	1937.50	13.491
		Middle	1960.00	13.464
		High	1982.50	13.461

2	QPSK	Low	1937.50	13.459
		Middle	1960.00	13.487
		High	1982.50	13.478
	16QAM	Low	1937.50	13.531
		Middle	1960.00	13.517
		High	1982.50	13.515
	64QAM	Low	1937.50	13.463
		Middle	1960.00	13.510
		High	1982.50	13.472
	256QAM	Low	1937.50	13.496
		Middle	1960.00	13.471
		High	1982.50	13.483
3	QPSK	Low	1937.50	13.497
		Middle	1960.00	13.511
		High	1982.50	13.496
	16QAM	Low	1937.50	13.531
		Middle	1960.00	13.535
		High	1982.50	13.541
	64QAM	Low	1937.50	13.492
		Middle	1960.00	13.456
		High	1982.50	13.484
	256QAM	Low	1937.50	13.445
		Middle	1960.00	13.455
		High	1982.50	13.460

(4 Port) B2 LTE 20 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1940.00	17.920
		Middle	1960.00	17.929
		High	1980.00	17.974
	16QAM	Low	1940.00	17.924
		Middle	1960.00	17.911
		High	1980.00	17.971
	64QAM	Low	1940.00	17.926
		Middle	1960.00	17.939
		High	1980.00	17.948
	256QAM	Low	1940.00	17.925
		Middle	1960.00	17.947
		High	1980.00	17.929
1	QPSK	Low	1940.00	17.956
		Middle	1960.00	17.986
		High	1980.00	17.982
	16QAM	Low	1940.00	17.981
		Middle	1960.00	18.001
		High	1980.00	17.931
	64QAM	Low	1940.00	17.956
		Middle	1960.00	17.900
		High	1980.00	17.967
	256QAM	Low	1940.00	17.924
		Middle	1960.00	17.940
		High	1980.00	17.965

2	QPSK	Low	1940.00	17.976
		Middle	1960.00	17.939
		High	1980.00	17.978
	16QAM	Low	1940.00	17.953
		Middle	1960.00	17.936
		High	1980.00	17.932
	64QAM	Low	1940.00	17.941
		Middle	1960.00	17.937
		High	1980.00	17.939
	256QAM	Low	1940.00	17.924
		Middle	1960.00	17.989
		High	1980.00	17.955
3	QPSK	Low	1940.00	18.008
		Middle	1960.00	17.977
		High	1980.00	17.963
	16QAM	Low	1940.00	18.004
		Middle	1960.00	18.005
		High	1980.00	17.919
	64QAM	Low	1940.00	17.943
		Middle	1960.00	17.972
		High	1980.00	17.964
	256QAM	Low	1940.00	17.946
		Middle	1960.00	17.975
		High	1980.00	17.947

(2 Port) B66 LTE 5 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2112.50	4.4868
		Middle	2145.00	4.5072
		High	2177.50	4.4950
	16QAM	Low	2112.50	4.4849
		Middle	2145.00	4.4914
		High	2177.50	4.4816
	64QAM	Low	2112.50	4.4852
		Middle	2145.00	4.5014
		High	2177.50	4.5104
	256QAM	Low	2112.50	4.5017
		Middle	2145.00	4.5077
		High	2177.50	4.5100
1	QPSK	Low	2112.50	4.4871
		Middle	2145.00	4.5020
		High	2177.50	4.5022
	16QAM	Low	2112.50	4.4786
		Middle	2145.00	4.4912
		High	2177.50	4.4839
	64QAM	Low	2112.50	4.4954
		Middle	2145.00	4.5054
		High	2177.50	4.5146
	256QAM	Low	2112.50	4.4873
		Middle	2145.00	4.5066
		High	2177.50	4.5001

(2 Port) B66 LTE 10 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2115.00	9.0051
		Middle	2145.00	8.9954
		High	2175.00	8.9961
	16QAM	Low	2115.00	8.9953
		Middle	2145.00	9.0109
		High	2175.00	8.9889
	64QAM	Low	2115.00	9.0107
		Middle	2145.00	9.0182
		High	2175.00	9.0042
	256QAM	Low	2115.00	8.9840
		Middle	2145.00	9.0069
		High	2175.00	8.9858
1	QPSK	Low	2115.00	8.9583
		Middle	2145.00	8.9941
		High	2175.00	8.9867
	16QAM	Low	2115.00	9.0192
		Middle	2145.00	9.0013
		High	2175.00	9.0340
	64QAM	Low	2115.00	8.9831
		Middle	2145.00	8.9790
		High	2175.00	9.0058
	256QAM	Low	2115.00	8.9970
		Middle	2145.00	9.0044
		High	2175.00	8.9996

(2 Port) B66 LTE 15 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2117.50	13.457
		Middle	2145.00	13.496
		High	2172.50	13.504
	16QAM	Low	2117.50	13.523
		Middle	2145.00	13.547
		High	2172.50	13.517
	64QAM	Low	2117.50	13.479
		Middle	2145.00	13.465
		High	2172.50	13.524
	256QAM	Low	2117.50	13.480
		Middle	2145.00	13.441
		High	2172.50	13.459
1	QPSK	Low	2117.50	13.502
		Middle	2145.00	13.490
		High	2172.50	13.480
	16QAM	Low	2117.50	13.569
		Middle	2145.00	13.541
		High	2172.50	13.565
	64QAM	Low	2117.50	13.533
		Middle	2145.00	13.534
		High	2172.50	13.462
	256QAM	Low	2117.50	13.469
		Middle	2145.00	13.494
		High	2172.50	13.463

(2 Port) B66 LTE 20 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2120.00	17.945
		Middle	2145.00	17.908
		High	2170.00	17.930
	16QAM	Low	2120.00	17.992
		Middle	2145.00	18.009
		High	2170.00	17.972
	64QAM	Low	2120.00	17.927
		Middle	2145.00	17.960
		High	2170.00	18.001
	256QAM	Low	2120.00	17.948
		Middle	2145.00	17.951
		High	2170.00	18.012
1	QPSK	Low	2120.00	17.925
		Middle	2145.00	17.942
		High	2170.00	17.933
	16QAM	Low	2120.00	17.978
		Middle	2145.00	18.032
		High	2170.00	17.924
	64QAM	Low	2120.00	17.956
		Middle	2145.00	17.936
		High	2170.00	17.996
	256QAM	Low	2120.00	17.966
		Middle	2145.00	17.920
		High	2170.00	17.978

(4 Port) B66 LTE 5 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2112.50	4.4939
		Middle	2145.00	4.5104
		High	2177.50	4.4996
	16QAM	Low	2112.50	4.4862
		Middle	2145.00	4.4912
		High	2177.50	4.4868
	64QAM	Low	2112.50	4.4935
		Middle	2145.00	4.5054
		High	2177.50	4.4983
	256QAM	Low	2112.50	4.5093
		Middle	2145.00	4.5219
		High	2177.50	4.5085
1	QPSK	Low	2112.50	4.4900
		Middle	2145.00	4.5125
		High	2177.50	4.5002
	16QAM	Low	2112.50	4.4609
		Middle	2145.00	4.4827
		High	2177.50	4.4813
	64QAM	Low	2112.50	4.4963
		Middle	2145.00	4.5116
		High	2177.50	4.5014
	256QAM	Low	2112.50	4.4968
		Middle	2145.00	4.5113
		High	2177.50	4.5025

2	QPSK	Low	2112.50	4.4917
		Middle	2145.00	4.5012
		High	2177.50	4.4977
	16QAM	Low	2112.50	4.4708
		Middle	2145.00	4.4707
		High	2177.50	4.4890
	64QAM	Low	2112.50	4.4899
		Middle	2145.00	4.4990
		High	2177.50	4.5032
	256QAM	Low	2112.50	4.4997
		Middle	2145.00	4.5024
		High	2177.50	4.5084
3	QPSK	Low	2112.50	4.4894
		Middle	2145.00	4.5128
		High	2177.50	4.4984
	16QAM	Low	2112.50	4.4744
		Middle	2145.00	4.5022
		High	2177.50	4.4898
	64QAM	Low	2112.50	4.4957
		Middle	2145.00	4.5151
		High	2177.50	4.4995
	256QAM	Low	2112.50	4.4935
		Middle	2145.00	4.5154
		High	2177.50	4.5005

(4 Port) B66 LTE 10 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2115.00	9.0047
		Middle	2145.00	8.9943
		High	2175.00	8.9837
	16QAM	Low	2115.00	9.0126
		Middle	2145.00	9.0296
		High	2175.00	8.9992
	64QAM	Low	2115.00	8.9822
		Middle	2145.00	9.0182
		High	2175.00	8.9979
	256QAM	Low	2115.00	8.9794
		Middle	2145.00	8.9948
		High	2175.00	9.0187
1	QPSK	Low	2115.00	8.9889
		Middle	2145.00	9.0168
		High	2175.00	9.0048
	16QAM	Low	2115.00	9.0450
		Middle	2145.00	9.0010
		High	2175.00	9.0009
	64QAM	Low	2115.00	8.9647
		Middle	2145.00	9.0002
		High	2175.00	8.9987
	256QAM	Low	2115.00	8.9808
		Middle	2145.00	8.9841
		High	2175.00	9.0063

2	QPSK	Low	2115.00	8.9998
		Middle	2145.00	8.9708
		High	2175.00	9.0098
	16QAM	Low	2115.00	8.9995
		Middle	2145.00	8.9972
		High	2175.00	8.9711
	64QAM	Low	2115.00	9.0134
		Middle	2145.00	8.9967
		High	2175.00	8.9879
	256QAM	Low	2115.00	8.9805
		Middle	2145.00	8.9725
		High	2175.00	9.0182
3	QPSK	Low	2115.00	8.9902
		Middle	2145.00	9.0072
		High	2175.00	9.0026
	16QAM	Low	2115.00	9.0074
		Middle	2145.00	9.0080
		High	2175.00	9.0149
	64QAM	Low	2115.00	8.9785
		Middle	2145.00	9.0166
		High	2175.00	9.0009
	256QAM	Low	2115.00	8.9883
		Middle	2145.00	8.9819
		High	2175.00	9.0069

(4 Port) B66 LTE 15 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2117.50	13.473
		Middle	2145.00	13.484
		High	2172.50	13.491
	16QAM	Low	2117.50	13.508
		Middle	2145.00	13.536
		High	2172.50	13.520
	64QAM	Low	2117.50	13.490
		Middle	2145.00	13.472
		High	2172.50	13.468
	256QAM	Low	2117.50	13.460
		Middle	2145.00	13.504
		High	2172.50	13.485
1	QPSK	Low	2117.50	13.478
		Middle	2145.00	13.477
		High	2172.50	13.486
	16QAM	Low	2117.50	13.497
		Middle	2145.00	13.543
		High	2172.50	13.551
	64QAM	Low	2117.50	13.530
		Middle	2145.00	13.505
		High	2172.50	13.468
	256QAM	Low	2117.50	13.455
		Middle	2145.00	13.479
		High	2172.50	13.469

2	QPSK	Low	2117.50	13.493
		Middle	2145.00	13.523
		High	2172.50	13.494
	16QAM	Low	2117.50	13.536
		Middle	2145.00	13.569
		High	2172.50	13.477
	64QAM	Low	2117.50	13.475
		Middle	2145.00	13.472
		High	2172.50	13.512
	256QAM	Low	2117.50	13.458
		Middle	2145.00	13.504
		High	2172.50	13.494
3	QPSK	Low	2117.50	13.452
		Middle	2145.00	13.479
		High	2172.50	13.506
	16QAM	Low	2117.50	13.498
		Middle	2145.00	13.523
		High	2172.50	13.513
	64QAM	Low	2117.50	13.521
		Middle	2145.00	13.482
		High	2172.50	13.479
	256QAM	Low	2117.50	13.494
		Middle	2145.00	13.510
		High	2172.50	13.480

(4 Port) B66 LTE 20 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2120.00	17.926
		Middle	2145.00	17.992
		High	2170.00	17.942
	16QAM	Low	2120.00	17.947
		Middle	2145.00	17.982
		High	2170.00	18.021
	64QAM	Low	2120.00	17.970
		Middle	2145.00	17.953
		High	2170.00	17.967
	256QAM	Low	2120.00	17.924
		Middle	2145.00	17.987
		High	2170.00	17.973
1	QPSK	Low	2120.00	17.915
		Middle	2145.00	17.979
		High	2170.00	17.973
	16QAM	Low	2120.00	17.976
		Middle	2145.00	18.015
		High	2170.00	18.011
	64QAM	Low	2120.00	17.943
		Middle	2145.00	17.959
		High	2170.00	17.946
	256QAM	Low	2120.00	17.915
		Middle	2145.00	17.991
		High	2170.00	17.994

2	QPSK	Low	2120.00	17.914
		Middle	2145.00	17.953
		High	2170.00	17.958
	16QAM	Low	2120.00	18.024
		Middle	2145.00	17.958
		High	2170.00	17.982
	64QAM	Low	2120.00	17.940
		Middle	2145.00	17.969
		High	2170.00	17.913
	256QAM	Low	2120.00	17.951
		Middle	2145.00	17.949
		High	2170.00	17.898
3	QPSK	Low	2120.00	17.939
		Middle	2145.00	17.935
		High	2170.00	17.968
	16QAM	Low	2120.00	17.914
		Middle	2145.00	18.025
		High	2170.00	18.036
	64QAM	Low	2120.00	17.954
		Middle	2145.00	17.981
		High	2170.00	17.967
	256QAM	Low	2120.00	17.971
		Middle	2145.00	17.925
		High	2170.00	17.953

Tabular Data of Contiguous Occupied Bandwidth

(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1935.00	9.4748
		Middle	1960.00	9.4733
		High	1985.00	9.4643
	16QAM	Low	1935.00	9.4398
		Middle	1960.00	9.4697
		High	1985.00	9.4561
	64QAM	Low	1935.00	9.4412
		Middle	1960.00	9.4693
		High	1985.00	9.4705
	256QAM	Low	1935.00	9.4697
		Middle	1960.00	9.4763
		High	1985.00	9.4805
1	QPSK	Low	1935.00	9.4694
		Middle	1960.00	9.4547
		High	1985.00	9.4824
	16QAM	Low	1935.00	9.4469
		Middle	1960.00	9.4564
		High	1985.00	9.4878
	64QAM	Low	1935.00	9.5001
		Middle	1960.00	9.4469
		High	1985.00	9.4765
	256QAM	Low	1935.00	9.4729
		Middle	1960.00	9.4800
		High	1985.00	9.4854

(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1942.50	23.693
		Middle	1960.00	23.674
		High	1977.50	23.689
	16QAM	Low	1942.50	23.646
		Middle	1960.00	23.646
		High	1977.50	23.607
	64QAM	Low	1942.50	23.623
		Middle	1960.00	23.640
		High	1977.50	23.658
	256QAM	Low	1942.50	23.630
		Middle	1960.00	23.630
		High	1977.50	23.656
1	QPSK	Low	1942.50	23.660
		Middle	1960.00	23.625
		High	1977.50	23.620
	16QAM	Low	1942.50	23.624
		Middle	1960.00	23.687
		High	1977.50	23.652
	64QAM	Low	1942.50	23.619
		Middle	1960.00	23.653
		High	1977.50	23.650
	256QAM	Low	1942.50	23.667
		Middle	1960.00	23.707
		High	1977.50	23.632

(2 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1945.00	28.373
		Middle	1960.00	28.346
		High	1975.00	28.377
	16QAM	Low	1945.00	28.349
		Middle	1960.00	28.495
		High	1975.00	28.482
	64QAM	Low	1945.00	28.404
		Middle	1960.00	28.424
		High	1975.00	28.397
	256QAM	Low	1945.00	28.398
		Middle	1960.00	28.430
		High	1975.00	28.395
1	QPSK	Low	1945.00	28.338
		Middle	1960.00	28.424
		High	1975.00	28.414
	16QAM	Low	1945.00	28.497
		Middle	1960.00	28.375
		High	1975.00	28.418
	64QAM	Low	1945.00	28.413
		Middle	1960.00	28.429
		High	1975.00	28.392
	256QAM	Low	1945.00	28.379
		Middle	1960.00	28.423
		High	1975.00	28.362

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1935.00	9.4632
		Middle	1960.00	9.4541
		High	1985.00	9.4512
	16QAM	Low	1935.00	9.4034
		Middle	1960.00	9.4015
		High	1985.00	9.4450
	64QAM	Low	1935.00	9.4719
		Middle	1960.00	9.5084
		High	1985.00	9.4727
	256QAM	Low	1935.00	9.4542
		Middle	1960.00	9.4826
		High	1985.00	9.4713
1	QPSK	Low	1935.00	9.4868
		Middle	1960.00	9.4490
		High	1985.00	9.4818
	16QAM	Low	1935.00	9.4229
		Middle	1960.00	9.4399
		High	1985.00	9.4517
	64QAM	Low	1935.00	9.4617
		Middle	1960.00	9.4507
		High	1985.00	9.4659
	256QAM	Low	1935.00	9.5013
		Middle	1960.00	9.4808
		High	1985.00	9.4688

2	QPSK	Low	1935.00	9.4669
		Middle	1960.00	9.4689
		High	1985.00	9.4699
	16QAM	Low	1935.00	9.4248
		Middle	1960.00	9.5063
		High	1985.00	9.4676
	64QAM	Low	1935.00	9.4748
		Middle	1960.00	9.4784
		High	1985.00	9.4718
	256QAM	Low	1935.00	9.4512
		Middle	1960.00	9.4765
		High	1985.00	9.4553
3	QPSK	Low	1935.00	9.4676
		Middle	1960.00	9.4960
		High	1985.00	9.4728
	16QAM	Low	1935.00	9.4681
		Middle	1960.00	9.4632
		High	1985.00	9.4633
	64QAM	Low	1935.00	9.4533
		Middle	1960.00	9.4643
		High	1985.00	9.4666
	256QAM	Low	1935.00	9.4883
		Middle	1960.00	9.4770
		High	1985.00	9.4549

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1942.50	23.666
		Middle	1960.00	23.616
		High	1977.50	23.628
	16QAM	Low	1942.50	23.634
		Middle	1960.00	23.683
		High	1977.50	23.661
	64QAM	Low	1942.50	23.668
		Middle	1960.00	23.679
		High	1977.50	23.638
	256QAM	Low	1942.50	23.611
		Middle	1960.00	23.621
		High	1977.50	23.624
1	QPSK	Low	1942.50	23.661
		Middle	1960.00	23.623
		High	1977.50	23.696
	16QAM	Low	1942.50	23.623
		Middle	1960.00	23.637
		High	1977.50	23.577
	64QAM	Low	1942.50	23.643
		Middle	1960.00	23.656
		High	1977.50	23.676
	256QAM	Low	1942.50	23.635
		Middle	1960.00	23.623
		High	1977.50	23.616

2	QPSK	Low	1942.50	23.662
		Middle	1960.00	23.656
		High	1977.50	23.640
	16QAM	Low	1942.50	23.613
		Middle	1960.00	23.693
		High	1977.50	23.685
	64QAM	Low	1942.50	23.661
		Middle	1960.00	23.690
		High	1977.50	23.669
	256QAM	Low	1942.50	23.684
		Middle	1960.00	23.697
		High	1977.50	23.676
3	QPSK	Low	1942.50	23.633
		Middle	1960.00	23.719
		High	1977.50	23.645
	16QAM	Low	1942.50	23.634
		Middle	1960.00	23.715
		High	1977.50	23.731
	64QAM	Low	1942.50	23.577
		Middle	1960.00	23.637
		High	1977.50	23.637
	256QAM	Low	1942.50	23.647
		Middle	1960.00	23.726
		High	1977.50	23.646

(4 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1945.00	28.370
		Middle	1960.00	28.380
		High	1975.00	28.423
	16QAM	Low	1945.00	28.420
		Middle	1960.00	28.358
		High	1975.00	28.413
	64QAM	Low	1945.00	28.415
		Middle	1960.00	28.390
		High	1975.00	28.382
	256QAM	Low	1945.00	28.365
		Middle	1960.00	28.341
		High	1975.00	28.425
1	QPSK	Low	1945.00	28.416
		Middle	1960.00	28.360
		High	1975.00	28.349
	16QAM	Low	1945.00	28.410
		Middle	1960.00	28.410
		High	1975.00	28.395
	64QAM	Low	1945.00	28.408
		Middle	1960.00	28.408
		High	1975.00	28.375
	256QAM	Low	1945.00	28.345
		Middle	1960.00	28.343
		High	1975.00	28.364

2	QPSK	Low	1945.00	28.410
		Middle	1960.00	28.382
		High	1975.00	28.433
	16QAM	Low	1945.00	28.476
		Middle	1960.00	28.458
		High	1975.00	28.397
	64QAM	Low	1945.00	28.403
		Middle	1960.00	28.410
		High	1975.00	28.390
	256QAM	Low	1945.00	28.403
		Middle	1960.00	28.420
		High	1975.00	28.360
3	QPSK	Low	1945.00	28.395
		Middle	1960.00	28.433
		High	1975.00	28.396
	16QAM	Low	1945.00	28.416
		Middle	1960.00	28.391
		High	1975.00	28.352
	64QAM	Low	1945.00	28.442
		Middle	1960.00	28.414
		High	1975.00	28.399
	256QAM	Low	1945.00	28.402
		Middle	1960.00	28.434
		High	1975.00	28.388

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2115.00	9.4630
		Middle	2145.00	9.4659
		High	2175.00	9.4606
	16QAM	Low	2115.00	9.4213
		Middle	2145.00	9.4580
		High	2175.00	9.4216
	64QAM	Low	2115.00	9.4602
		Middle	2145.00	9.4808
		High	2175.00	9.4706
	256QAM	Low	2115.00	9.4625
		Middle	2145.00	9.4583
		High	2175.00	9.4854
1	QPSK	Low	2115.00	9.4490
		Middle	2145.00	9.4792
		High	2175.00	9.4723
	16QAM	Low	2115.00	9.4537
		Middle	2145.00	9.4657
		High	2175.00	9.4403
	64QAM	Low	2115.00	9.4648
		Middle	2145.00	9.4640
		High	2175.00	9.4728
	256QAM	Low	2115.00	9.4582
		Middle	2145.00	9.4787
		High	2175.00	9.4674

(2 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2122.50	23.586
		Middle	2145.00	23.665
		High	2167.50	23.668
	16QAM	Low	2122.50	23.650
		Middle	2145.00	23.635
		High	2167.50	23.667
	64QAM	Low	2122.50	23.644
		Middle	2145.00	23.691
		High	2167.50	23.657
	256QAM	Low	2122.50	23.667
		Middle	2145.00	23.659
		High	2167.50	23.672
1	QPSK	Low	2122.50	23.606
		Middle	2145.00	23.707
		High	2167.50	23.646
	16QAM	Low	2122.50	23.580
		Middle	2145.00	23.704
		High	2167.50	23.602
	64QAM	Low	2122.50	23.734
		Middle	2145.00	23.661
		High	2167.50	23.656
	256QAM	Low	2122.50	23.644
		Middle	2145.00	23.678
		High	2167.50	23.707

(2 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2130.00	37.904
		Middle	2145.00	37.830
		High	2160.00	37.837
	16QAM	Low	2130.00	37.940
		Middle	2145.00	37.902
		High	2160.00	37.912
	64QAM	Low	2130.00	37.836
		Middle	2145.00	37.839
		High	2160.00	37.757
	256QAM	Low	2130.00	37.823
		Middle	2145.00	37.975
		High	2160.00	37.905
1	QPSK	Low	2130.00	37.868
		Middle	2145.00	37.846
		High	2160.00	37.803
	16QAM	Low	2130.00	37.936
		Middle	2145.00	37.906
		High	2160.00	37.871
	64QAM	Low	2130.00	37.788
		Middle	2145.00	37.843
		High	2160.00	37.834
	256QAM	Low	2130.00	37.863
		Middle	2145.00	37.828
		High	2160.00	37.829

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2117.50	14.155
		Middle	2145.00	14.199
		High	2172.50	14.195
	16QAM	Low	2117.50	14.160
		Middle	2145.00	14.225
		High	2172.50	14.169
	64QAM	Low	2117.50	14.200
		Middle	2145.00	14.213
		High	2172.50	14.200
	256QAM	Low	2117.50	14.182
		Middle	2145.00	14.197
		High	2172.50	14.195
1	QPSK	Low	2117.50	14.182
		Middle	2145.00	14.194
		High	2172.50	14.211
	16QAM	Low	2117.50	14.226
		Middle	2145.00	14.209
		High	2172.50	14.223
	64QAM	Low	2117.50	14.230
		Middle	2145.00	14.209
		High	2172.50	14.170
	256QAM	Low	2117.50	14.193
		Middle	2145.00	14.169
		High	2172.50	14.197

2	QPSK	Low	2117.50	14.219
		Middle	2145.00	14.183
		High	2172.50	14.213
	16QAM	Low	2117.50	14.180
		Middle	2145.00	14.238
		High	2172.50	14.140
	64QAM	Low	2117.50	14.136
		Middle	2145.00	14.162
		High	2172.50	14.211
	256QAM	Low	2117.50	14.187
		Middle	2145.00	14.198
		High	2172.50	14.228
3	QPSK	Low	2117.50	14.198
		Middle	2145.00	14.209
		High	2172.50	14.206
	16QAM	Low	2117.50	14.248
		Middle	2145.00	14.227
		High	2172.50	14.209
	64QAM	Low	2117.50	14.183
		Middle	2145.00	14.213
		High	2172.50	14.221
	256QAM	Low	2117.50	14.154
		Middle	2145.00	14.228
		High	2172.50	14.237

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2122.50	23.646
		Middle	2145.00	23.645
		High	2167.50	23.613
	16QAM	Low	2122.50	23.561
		Middle	2145.00	23.655
		High	2167.50	23.651
	64QAM	Low	2122.50	23.629
		Middle	2145.00	23.661
		High	2167.50	23.749
	256QAM	Low	2122.50	23.696
		Middle	2145.00	23.635
		High	2167.50	23.700
1	QPSK	Low	2122.50	23.642
		Middle	2145.00	23.629
		High	2167.50	23.678
	16QAM	Low	2122.50	23.715
		Middle	2145.00	23.662
		High	2167.50	23.650
	64QAM	Low	2122.50	23.617
		Middle	2145.00	23.694
		High	2167.50	23.681
	256QAM	Low	2122.50	23.662
		Middle	2145.00	23.680
		High	2167.50	23.675

2	QPSK	Low	2122.50	23.663
		Middle	2145.00	23.684
		High	2167.50	23.651
	16QAM	Low	2122.50	23.595
		Middle	2145.00	23.700
		High	2167.50	23.640
	64QAM	Low	2122.50	23.676
		Middle	2145.00	23.637
		High	2167.50	23.746
	256QAM	Low	2122.50	23.665
		Middle	2145.00	23.619
		High	2167.50	23.712
3	QPSK	Low	2122.50	23.605
		Middle	2145.00	23.653
		High	2167.50	23.649
	16QAM	Low	2122.50	23.619
		Middle	2145.00	23.707
		High	2167.50	23.653
	64QAM	Low	2122.50	23.627
		Middle	2145.00	23.674
		High	2167.50	23.671
	256QAM	Low	2122.50	23.609
		Middle	2145.00	23.765
		High	2167.50	23.754

(4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2130.00	37.887
		Middle	2145.00	37.866
		High	2160.00	37.851
	16QAM	Low	2130.00	37.807
		Middle	2145.00	37.866
		High	2160.00	37.912
	64QAM	Low	2130.00	37.798
		Middle	2145.00	37.778
		High	2160.00	37.776
	256QAM	Low	2130.00	37.792
		Middle	2145.00	37.842
		High	2160.00	37.794
1	QPSK	Low	2130.00	37.872
		Middle	2145.00	37.803
		High	2160.00	37.900
	16QAM	Low	2130.00	37.884
		Middle	2145.00	37.835
		High	2160.00	37.886
	64QAM	Low	2130.00	37.817
		Middle	2145.00	37.804
		High	2160.00	37.816
	256QAM	Low	2130.00	37.831
		Middle	2145.00	37.893
		High	2160.00	37.768

2	QPSK	Low	2130.00	37.825
		Middle	2145.00	37.824
		High	2160.00	37.794
	16QAM	Low	2130.00	37.865
		Middle	2145.00	37.919
		High	2160.00	37.894
	64QAM	Low	2130.00	37.829
		Middle	2145.00	37.836
		High	2160.00	37.789
	256QAM	Low	2130.00	37.813
		Middle	2145.00	37.854
		High	2160.00	37.901
3	QPSK	Low	2130.00	37.879
		Middle	2145.00	37.853
		High	2160.00	37.885
	16QAM	Low	2130.00	37.810
		Middle	2145.00	37.850
		High	2160.00	37.878
	64QAM	Low	2130.00	37.805
		Middle	2145.00	37.824
		High	2160.00	37.867
	256QAM	Low	2130.00	37.842
		Middle	2145.00	37.816
		High	2160.00	37.768

(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1937.50	14.417
		Middle	1960.00	14.467
		High	1982.50	14.453
	16QAM	Low	1937.50	14.410
		Middle	1960.00	14.396
		High	1982.50	14.448
	64QAM	Low	1937.50	14.417
		Middle	1960.00	14.449
		High	1982.50	14.437
	256QAM	Low	1937.50	14.446
		Middle	1960.00	14.473
		High	1982.50	14.472
1	QPSK	Low	1937.50	14.441
		Middle	1960.00	14.443
		High	1982.50	14.436
	16QAM	Low	1937.50	14.439
		Middle	1960.00	14.389
		High	1982.50	14.420
	64QAM	Low	1937.50	14.468
		Middle	1960.00	14.442
		High	1982.50	14.491
	256QAM	Low	1937.50	14.444
		Middle	1960.00	14.461
		High	1982.50	14.445

(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1945.00	28.677
		Middle	1960.00	28.635
		High	1975.00	28.660
	16QAM	Low	1945.00	28.620
		Middle	1960.00	28.594
		High	1975.00	28.636
	64QAM	Low	1945.00	28.634
		Middle	1960.00	28.619
		High	1975.00	28.639
	256QAM	Low	1945.00	28.628
		Middle	1960.00	28.621
		High	1975.00	28.676
1	QPSK	Low	1945.00	28.631
		Middle	1960.00	28.683
		High	1975.00	28.600
	16QAM	Low	1945.00	28.573
		Middle	1960.00	28.650
		High	1975.00	28.566
	64QAM	Low	1945.00	28.675
		Middle	1960.00	28.680
		High	1975.00	28.673
	256QAM	Low	1945.00	28.651
		Middle	1960.00	28.627
		High	1975.00	28.651

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1937.50	14.463
		Middle	1960.00	14.466
		High	1982.50	14.450
	16QAM	Low	1937.50	14.435
		Middle	1960.00	14.420
		High	1982.50	14.407
	64QAM	Low	1937.50	14.447
		Middle	1960.00	14.458
		High	1982.50	14.473
	256QAM	Low	1937.50	14.449
		Middle	1960.00	14.464
		High	1982.50	14.452
1	QPSK	Low	1937.50	14.447
		Middle	1960.00	14.436
		High	1982.50	14.449
	16QAM	Low	1937.50	14.425
		Middle	1960.00	14.404
		High	1982.50	14.430
	64QAM	Low	1937.50	14.440
		Middle	1960.00	14.432
		High	1982.50	14.455
	256QAM	Low	1937.50	14.419
		Middle	1960.00	14.410
		High	1982.50	14.447

2	QPSK	Low	1937.50	14.464
		Middle	1960.00	14.437
		High	1982.50	14.460
	16QAM	Low	1937.50	14.424
		Middle	1960.00	14.405
		High	1982.50	14.400
	64QAM	Low	1937.50	14.458
		Middle	1960.00	14.419
		High	1982.50	14.448
	256QAM	Low	1937.50	14.429
		Middle	1960.00	14.423
		High	1982.50	14.433
3	QPSK	Low	1937.50	14.449
		Middle	1960.00	14.454
		High	1982.50	14.493
	16QAM	Low	1937.50	14.429
		Middle	1960.00	14.377
		High	1982.50	14.429
	64QAM	Low	1937.50	14.452
		Middle	1960.00	14.438
		High	1982.50	14.429
	256QAM	Low	1937.50	14.452
		Middle	1960.00	14.432
		High	1982.50	14.441

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1945.00	28.689
		Middle	1960.00	28.643
		High	1975.00	28.668
	16QAM	Low	1945.00	28.626
		Middle	1960.00	28.644
		High	1975.00	28.555
	64QAM	Low	1945.00	28.623
		Middle	1960.00	28.686
		High	1975.00	28.615
	256QAM	Low	1945.00	28.662
		Middle	1960.00	28.581
		High	1975.00	28.631
1	QPSK	Low	1945.00	28.690
		Middle	1960.00	28.635
		High	1975.00	28.652
	16QAM	Low	1945.00	28.664
		Middle	1960.00	28.639
		High	1975.00	28.635
	64QAM	Low	1945.00	28.655
		Middle	1960.00	28.618
		High	1975.00	28.657
	256QAM	Low	1945.00	28.637
		Middle	1960.00	28.648
		High	1975.00	28.632

2	QPSK	Low	1945.00	28.664
		Middle	1960.00	28.681
		High	1975.00	28.638
	16QAM	Low	1945.00	28.590
		Middle	1960.00	28.622
		High	1975.00	28.642
	64QAM	Low	1945.00	28.661
		Middle	1960.00	28.623
		High	1975.00	28.604
	256QAM	Low	1945.00	28.673
		Middle	1960.00	28.664
		High	1975.00	28.660
3	QPSK	Low	1945.00	28.659
		Middle	1960.00	28.593
		High	1975.00	28.658
	16QAM	Low	1945.00	28.684
		Middle	1960.00	28.676
		High	1975.00	28.657
	64QAM	Low	1945.00	28.678
		Middle	1960.00	28.691
		High	1975.00	28.670
	256QAM	Low	1945.00	28.597
		Middle	1960.00	28.659
		High	1975.00	28.650

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2117.50	14.436
		Middle	2145.00	14.460
		High	2172.50	14.439
	16QAM	Low	2117.50	14.383
		Middle	2145.00	14.476
		High	2172.50	14.450
	64QAM	Low	2117.50	14.433
		Middle	2145.00	14.440
		High	2172.50	14.466
	256QAM	Low	2117.50	14.436
		Middle	2145.00	14.452
		High	2172.50	14.457
1	QPSK	Low	2117.50	14.443
		Middle	2145.00	14.470
		High	2172.50	14.421
	16QAM	Low	2117.50	14.365
		Middle	2145.00	14.404
		High	2172.50	14.418
	64QAM	Low	2117.50	14.437
		Middle	2145.00	14.424
		High	2172.50	14.471
	256QAM	Low	2117.50	14.466
		Middle	2145.00	14.428
		High	2172.50	14.456

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2125.00	28.617
		Middle	2145.00	28.625
		High	2165.00	28.607
	16QAM	Low	2125.00	28.607
		Middle	2145.00	28.711
		High	2165.00	28.659
	64QAM	Low	2125.00	28.656
		Middle	2145.00	28.665
		High	2165.00	28.649
	256QAM	Low	2125.00	28.594
		Middle	2145.00	28.632
		High	2165.00	28.659
1	QPSK	Low	2125.00	28.585
		Middle	2145.00	28.634
		High	2165.00	28.603
	16QAM	Low	2125.00	28.633
		Middle	2145.00	28.656
		High	2165.00	28.670
	64QAM	Low	2125.00	28.583
		Middle	2145.00	28.620
		High	2165.00	28.703
	256QAM	Low	2125.00	28.615
		Middle	2145.00	28.644
		High	2165.00	28.624

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2130.00	38.594
		Middle	2145.00	38.536
		High	2160.00	38.542
	16QAM	Low	2130.00	38.592
		Middle	2145.00	38.693
		High	2160.00	38.595
	64QAM	Low	2130.00	38.535
		Middle	2145.00	38.580
		High	2160.00	38.549
	256QAM	Low	2130.00	38.604
		Middle	2145.00	38.586
		High	2160.00	38.605
1	QPSK	Low	2130.00	38.528
		Middle	2145.00	38.613
		High	2160.00	38.535
	16QAM	Low	2130.00	38.506
		Middle	2145.00	38.601
		High	2160.00	38.522
	64QAM	Low	2130.00	38.600
		Middle	2145.00	38.545
		High	2160.00	38.609
	256QAM	Low	2130.00	38.509
		Middle	2145.00	38.542
		High	2160.00	38.603

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2117.50	14.435
		Middle	2145.00	14.464
		High	2172.50	14.499
	16QAM	Low	2117.50	14.351
		Middle	2145.00	14.426
		High	2172.50	14.409
	64QAM	Low	2117.50	14.426
		Middle	2145.00	14.453
		High	2172.50	14.405
	256QAM	Low	2117.50	14.415
		Middle	2145.00	14.426
		High	2172.50	14.447
1	QPSK	Low	2117.50	14.462
		Middle	2145.00	14.449
		High	2172.50	14.456
	16QAM	Low	2117.50	14.403
		Middle	2145.00	14.370
		High	2172.50	14.416
	64QAM	Low	2117.50	14.410
		Middle	2145.00	14.436
		High	2172.50	14.426
	256QAM	Low	2117.50	14.395
		Middle	2145.00	14.425
		High	2172.50	14.446

2	QPSK	Low	2117.50	14.445
		Middle	2145.00	14.436
		High	2172.50	14.470
	16QAM	Low	2117.50	14.387
		Middle	2145.00	14.390
		High	2172.50	14.367
	64QAM	Low	2117.50	14.415
		Middle	2145.00	14.447
		High	2172.50	14.426
	256QAM	Low	2117.50	14.418
		Middle	2145.00	14.458
		High	2172.50	14.457
3	QPSK	Low	2117.50	14.434
		Middle	2145.00	14.453
		High	2172.50	14.435
	16QAM	Low	2117.50	14.346
		Middle	2145.00	14.354
		High	2172.50	14.374
	64QAM	Low	2117.50	14.425
		Middle	2145.00	14.469
		High	2172.50	14.466
	256QAM	Low	2117.50	14.411
		Middle	2145.00	14.444
		High	2172.50	14.467

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2125.00	28.553
		Middle	2145.00	28.624
		High	2165.00	28.608
	16QAM	Low	2125.00	28.634
		Middle	2145.00	28.602
		High	2165.00	28.639
	64QAM	Low	2125.00	28.612
		Middle	2145.00	28.651
		High	2165.00	28.657
	256QAM	Low	2125.00	28.652
		Middle	2145.00	28.668
		High	2165.00	28.654
1	QPSK	Low	2125.00	28.628
		Middle	2145.00	28.654
		High	2165.00	28.628
	16QAM	Low	2125.00	28.621
		Middle	2145.00	28.682
		High	2165.00	28.621
	64QAM	Low	2125.00	28.682
		Middle	2145.00	28.667
		High	2165.00	28.643
	256QAM	Low	2125.00	28.593
		Middle	2145.00	28.676
		High	2165.00	28.641

2	QPSK	Low	2125.00	28.582
		Middle	2145.00	28.646
		High	2165.00	28.637
	16QAM	Low	2125.00	28.609
		Middle	2145.00	28.594
		High	2165.00	28.616
	64QAM	Low	2125.00	28.646
		Middle	2145.00	28.650
		High	2165.00	28.692
	256QAM	Low	2125.00	28.619
		Middle	2145.00	28.609
		High	2165.00	28.641
3	QPSK	Low	2125.00	28.648
		Middle	2145.00	28.614
		High	2165.00	28.654
	16QAM	Low	2125.00	28.576
		Middle	2145.00	28.664
		High	2165.00	28.642
	64QAM	Low	2125.00	28.590
		Middle	2145.00	28.687
		High	2165.00	28.638
	256QAM	Low	2125.00	28.633
		Middle	2145.00	28.659
		High	2165.00	28.712

(4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2130.00	38.450
		Middle	2145.00	38.554
		High	2160.00	38.490
	16QAM	Low	2130.00	38.546
		Middle	2145.00	38.606
		High	2160.00	38.696
	64QAM	Low	2130.00	38.551
		Middle	2145.00	38.508
		High	2160.00	38.609
	256QAM	Low	2130.00	38.544
		Middle	2145.00	38.608
		High	2160.00	38.576
1	QPSK	Low	2130.00	38.585
		Middle	2145.00	38.714
		High	2160.00	38.535
	16QAM	Low	2130.00	38.545
		Middle	2145.00	38.529
		High	2160.00	38.621
	64QAM	Low	2130.00	38.583
		Middle	2145.00	38.635
		High	2160.00	38.571
	256QAM	Low	2130.00	38.585
		Middle	2145.00	38.534
		High	2160.00	38.575

2	QPSK	Low	2130.00	38.466
		Middle	2145.00	38.584
		High	2160.00	38.572
	16QAM	Low	2130.00	38.523
		Middle	2145.00	38.608
		High	2160.00	38.571
	64QAM	Low	2130.00	38.535
		Middle	2145.00	38.588
		High	2160.00	38.615
	256QAM	Low	2130.00	38.546
		Middle	2145.00	38.519
		High	2160.00	38.530
3	QPSK	Low	2130.00	38.549
		Middle	2145.00	38.498
		High	2160.00	38.531
	16QAM	Low	2130.00	38.666
		Middle	2145.00	38.576
		High	2160.00	38.614
	64QAM	Low	2130.00	38.612
		Middle	2145.00	38.566
		High	2160.00	38.563
	256QAM	Low	2130.00	38.588
		Middle	2145.00	38.551
		High	2160.00	38.533

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2120.00	19.439
		Middle	2145.00	19.410
		High	2170.00	19.419
	16QAM	Low	2120.00	19.382
		Middle	2145.00	19.391
		High	2170.00	19.447
	64QAM	Low	2120.00	19.372
		Middle	2145.00	19.451
		High	2170.00	19.450
	256QAM	Low	2120.00	19.413
		Middle	2145.00	19.404
		High	2170.00	19.411
1	QPSK	Low	2120.00	19.423
		Middle	2145.00	19.482
		High	2170.00	19.449
	16QAM	Low	2120.00	19.359
		Middle	2145.00	19.430
		High	2170.00	19.354
	64QAM	Low	2120.00	19.434
		Middle	2145.00	19.420
		High	2170.00	19.407
	256QAM	Low	2120.00	19.377
		Middle	2145.00	19.428
		High	2170.00	19.399

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2127.50	33.516
		Middle	2145.00	33.600
		High	2162.50	33.560
	16QAM	Low	2127.50	33.577
		Middle	2145.00	33.606
		High	2162.50	33.634
	64QAM	Low	2127.50	33.514
		Middle	2145.00	33.613
		High	2162.50	33.545
	256QAM	Low	2127.50	33.561
		Middle	2145.00	33.600
		High	2162.50	33.541
1	QPSK	Low	2127.50	33.563
		Middle	2145.00	33.620
		High	2162.50	33.551
	16QAM	Low	2127.50	33.573
		Middle	2145.00	33.527
		High	2162.50	33.612
	64QAM	Low	2127.50	33.572
		Middle	2145.00	33.592
		High	2162.50	33.614
	256QAM	Low	2127.50	33.615
		Middle	2145.00	33.630
		High	2162.50	33.595

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2130.00	38.525
		Middle	2145.00	38.598
		High	2160.00	38.592
	16QAM	Low	2130.00	38.579
		Middle	2145.00	38.726
		High	2160.00	38.607
	64QAM	Low	2130.00	38.511
		Middle	2145.00	38.553
		High	2160.00	38.609
	256QAM	Low	2130.00	38.612
		Middle	2145.00	38.555
		High	2160.00	38.517
1	QPSK	Low	2130.00	38.497
		Middle	2145.00	38.617
		High	2160.00	38.571
	16QAM	Low	2130.00	38.501
		Middle	2145.00	38.697
		High	2160.00	38.677
	64QAM	Low	2130.00	38.554
		Middle	2145.00	38.609
		High	2160.00	38.560
	256QAM	Low	2130.00	38.636
		Middle	2145.00	38.619
		High	2160.00	38.574

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2120.00	19.386
		Middle	2145.00	19.403
		High	2170.00	19.406
	16QAM	Low	2120.00	19.398
		Middle	2145.00	19.370
		High	2170.00	19.363
	64QAM	Low	2120.00	19.351
		Middle	2145.00	19.373
		High	2170.00	19.363
	256QAM	Low	2120.00	19.433
		Middle	2145.00	19.458
		High	2170.00	19.395
1	QPSK	Low	2120.00	19.399
		Middle	2145.00	19.402
		High	2170.00	19.402
	16QAM	Low	2120.00	19.340
		Middle	2145.00	19.397
		High	2170.00	19.353
	64QAM	Low	2120.00	19.379
		Middle	2145.00	19.414
		High	2170.00	19.410
	256QAM	Low	2120.00	19.404
		Middle	2145.00	19.443
		High	2170.00	19.443

2	QPSK	Low	2120.00	19.371
		Middle	2145.00	19.450
		High	2170.00	19.414
	16QAM	Low	2120.00	19.314
		Middle	2145.00	19.394
		High	2170.00	19.356
	64QAM	Low	2120.00	19.393
		Middle	2145.00	19.410
		High	2170.00	19.407
	256QAM	Low	2120.00	19.358
		Middle	2145.00	19.462
		High	2170.00	19.423
3	QPSK	Low	2120.00	19.340
		Middle	2145.00	19.443
		High	2170.00	19.362
	16QAM	Low	2120.00	19.363
		Middle	2145.00	19.359
		High	2170.00	19.312
	64QAM	Low	2120.00	19.374
		Middle	2145.00	19.379
		High	2170.00	19.384
	256QAM	Low	2120.00	19.412
		Middle	2145.00	19.450
		High	2170.00	19.417

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2127.50	33.531
		Middle	2145.00	33.552
		High	2162.50	33.591
	16QAM	Low	2127.50	33.568
		Middle	2145.00	33.687
		High	2162.50	33.651
	64QAM	Low	2127.50	33.540
		Middle	2145.00	33.498
		High	2162.50	33.586
	256QAM	Low	2127.50	33.558
		Middle	2145.00	33.587
		High	2162.50	33.584
1	QPSK	Low	2127.50	33.544
		Middle	2145.00	33.676
		High	2162.50	33.609
	16QAM	Low	2127.50	33.509
		Middle	2145.00	33.562
		High	2162.50	33.585
	64QAM	Low	2127.50	33.551
		Middle	2145.00	33.601
		High	2162.50	33.607
	256QAM	Low	2127.50	33.522
		Middle	2145.00	33.632
		High	2162.50	33.633

2	QPSK	Low	2127.50	33.585
		Middle	2145.00	33.525
		High	2162.50	33.615
	16QAM	Low	2127.50	33.575
		Middle	2145.00	33.563
		High	2162.50	33.725
	64QAM	Low	2127.50	33.550
		Middle	2145.00	33.602
		High	2162.50	33.628
	256QAM	Low	2127.50	33.571
		Middle	2145.00	33.570
		High	2162.50	33.592
3	QPSK	Low	2127.50	33.583
		Middle	2145.00	33.636
		High	2162.50	33.589
	16QAM	Low	2127.50	33.562
		Middle	2145.00	33.653
		High	2162.50	33.657
	64QAM	Low	2127.50	33.490
		Middle	2145.00	33.544
		High	2162.50	33.595
	256QAM	Low	2127.50	33.581
		Middle	2145.00	33.587
		High	2162.50	33.568

(4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2130.00	38.521
		Middle	2145.00	38.572
		High	2160.00	38.546
	16QAM	Low	2130.00	38.540
		Middle	2145.00	38.605
		High	2160.00	38.538
	64QAM	Low	2130.00	38.557
		Middle	2145.00	38.627
		High	2160.00	38.599
	256QAM	Low	2130.00	38.531
		Middle	2145.00	38.631
		High	2160.00	38.552
1	QPSK	Low	2130.00	38.614
		Middle	2145.00	38.596
		High	2160.00	38.634
	16QAM	Low	2130.00	38.600
		Middle	2145.00	38.613
		High	2160.00	38.603
	64QAM	Low	2130.00	38.509
		Middle	2145.00	38.511
		High	2160.00	38.621
	256QAM	Low	2130.00	38.550
		Middle	2145.00	38.620
		High	2160.00	38.574

2	QPSK	Low	2130.00	38.484
		Middle	2145.00	38.583
		High	2160.00	38.580
	16QAM	Low	2130.00	38.539
		Middle	2145.00	38.594
		High	2160.00	38.567
	64QAM	Low	2130.00	38.467
		Middle	2145.00	38.502
		High	2160.00	38.518
	256QAM	Low	2130.00	38.588
		Middle	2145.00	38.590
		High	2160.00	38.623
3	QPSK	Low	2130.00	38.554
		Middle	2145.00	38.552
		High	2160.00	38.602
	16QAM	Low	2130.00	38.451
		Middle	2145.00	38.527
		High	2160.00	38.518
	64QAM	Low	2130.00	38.496
		Middle	2145.00	38.585
		High	2160.00	38.622
	256QAM	Low	2130.00	38.524
		Middle	2145.00	38.585
		High	2160.00	38.570

Tabular Data of Non-Contiguous Occupied Bandwidth
(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B2 LTE 5 MHz		B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1932.50	4.4945	1987.50	4.5035	8.9980
	16QAM	1932.50	4.4906	1987.50	4.4866	8.9772
	64QAM	1932.50	4.5051	1987.50	4.4991	9.0042
	256QAM	1932.50	4.5002	1987.50	4.5071	9.0073
1	QPSK	1932.50	4.4844	1987.50	4.5126	8.9970
	16QAM	1932.50	4.4807	1987.50	4.5084	8.9891
	64QAM	1932.50	4.5083	1987.50	4.5060	9.0143
	256QAM	1932.50	4.5023	1987.50	4.5230	9.0253

(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	B2 LTE 5 MHz		B2 LTE 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1932.50	4.5074	1980.00	18.015	22.522
	16QAM	1932.50	4.5083	1980.00	18.015	22.523
	64QAM	1932.50	4.5053	1980.00	17.951	22.456
	256QAM	1932.50	4.5220	1980.00	17.940	22.462
1	QPSK	1932.50	4.4979	1980.00	17.923	22.421
	16QAM	1932.50	4.4816	1980.00	17.889	22.370
	64QAM	1932.50	4.5059	1980.00	17.951	22.457
	256QAM	1932.50	4.4993	1980.00	17.953	22.452

(2 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	B2 LTE 10 MHz		B2 LTE 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1935.00	8.9905	1980.00	17.945	26.936
	16QAM	1935.00	9.0038	1980.00	17.975	26.978
	64QAM	1935.00	8.9706	1980.00	17.955	26.925
	256QAM	1935.00	8.9834	1980.00	17.938	26.921
1	QPSK	1935.00	9.0089	1980.00	17.961	26.970
	16QAM	1935.00	8.9989	1980.00	18.024	27.023
	64QAM	1935.00	8.9815	1980.00	17.916	26.897
	256QAM	1935.00	8.9932	1980.00	17.941	26.934

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B2 LTE 5 MHz		B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1932.50	4.4983	1987.50	4.5031	9.001
	16QAM	1932.50	4.4978	1987.50	4.4926	8.990
	64QAM	1932.50	4.4855	1987.50	4.5018	8.987
	256QAM	1932.50	4.4889	1987.50	4.5122	9.001
1	QPSK	1932.50	4.4983	1987.50	4.5100	9.008
	16QAM	1932.50	4.4846	1987.50	4.4803	8.965
	64QAM	1932.50	4.5000	1987.50	4.5033	9.003
	256QAM	1932.50	4.4836	1987.50	4.5167	9.000
2	QPSK	1932.50	4.4809	1987.50	4.5008	8.982
	16QAM	1932.50	4.4916	1987.50	4.4895	8.981
	64QAM	1932.50	4.5017	1987.50	4.5048	9.007
	256QAM	1932.50	4.4908	1987.50	4.5207	9.011
3	QPSK	1932.50	4.4909	1987.50	4.5204	9.011
	16QAM	1932.50	4.4877	1987.50	4.4943	8.982
	64QAM	1932.50	4.4968	1987.50	4.5005	8.997
	256QAM	1932.50	4.4978	1987.50	4.5275	9.025

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	B2 LTE 5 MHz		B2 LTE 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1932.50	4.4912	1980.00	17.978	22.469
	16QAM	1932.50	4.4998	1980.00	17.964	22.464
	64QAM	1932.50	4.5142	1980.00	17.950	22.464
	256QAM	1932.50	4.5145	1980.00	17.946	22.460
1	QPSK	1932.50	4.5063	1980.00	17.959	22.465
	16QAM	1932.50	4.4965	1980.00	17.927	22.424
	64QAM	1932.50	4.5057	1980.00	17.916	22.422
	256QAM	1932.50	4.5038	1980.00	17.984	22.488
2	QPSK	1932.50	4.4969	1980.00	17.946	22.443
	16QAM	1932.50	4.4587	1980.00	17.930	22.389
	64QAM	1932.50	4.4881	1980.00	17.943	22.431
	256QAM	1932.50	4.4944	1980.00	17.956	22.451
3	QPSK	1932.50	4.4975	1980.00	17.957	22.455
	16QAM	1932.50	4.4777	1980.00	18.004	22.481
	64QAM	1932.50	4.4927	1980.00	17.929	22.422
	256QAM	1932.50	4.4911	1980.00	17.939	22.430

(4 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	B2 LTE 10 MHz		B2 LTE 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1935.00	8.9804	1980.00	17.957	26.938
	16QAM	1935.00	9.0005	1980.00	18.036	27.037
	64QAM	1935.00	8.9972	1980.00	17.962	26.960
	256QAM	1935.00	8.9832	1980.00	17.931	26.914
1	QPSK	1935.00	8.9968	1980.00	17.984	26.981
	16QAM	1935.00	8.9682	1980.00	17.951	26.919
	64QAM	1935.00	8.9820	1980.00	17.963	26.945
	256QAM	1935.00	8.9972	1980.00	17.968	26.965
2	QPSK	1935.00	8.9926	1980.00	17.946	26.939
	16QAM	1935.00	8.9968	1980.00	17.961	26.957
	64QAM	1935.00	8.9910	1980.00	17.956	26.947
	256QAM	1935.00	8.9982	1980.00	17.939	26.937
3	QPSK	1935.00	9.0008	1980.00	17.975	26.976
	16QAM	1935.00	8.9631	1980.00	17.957	26.920
	64QAM	1935.00	9.0229	1980.00	17.963	26.986
	256QAM	1935.00	9.0252	1980.00	17.949	26.974

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 5 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.5013	2177.50	4.4967	8.9979
	16QAM	2112.50	4.4963	2177.50	4.4879	8.9842
	64QAM	2112.50	4.4951	2177.50	4.5046	8.9997
	256QAM	2112.50	4.5103	2177.50	4.5020	9.0123
1	QPSK	2112.50	4.4986	2177.50	4.5043	9.0029
	16QAM	2112.50	4.4773	2177.50	4.5042	8.9815
	64QAM	2112.50	4.5007	2177.50	4.5068	9.0075
	256QAM	2112.50	4.5036	2177.50	4.4927	8.9963

(2 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	17.922	2177.50	4.5074	22.429
	16QAM	2120.00	18.005	2177.50	4.4743	22.480
	64QAM	2120.00	17.953	2177.50	4.5106	22.464
	256QAM	2120.00	17.922	2177.50	4.5096	22.432
1	QPSK	2120.00	17.930	2177.50	4.5086	22.439
	16QAM	2120.00	17.930	2177.50	4.4945	22.425
	64QAM	2120.00	17.957	2177.50	4.5055	22.463
	256QAM	2120.00	17.968	2177.50	4.5055	22.474

(2 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 20 MHz		B66 LTE 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	17.941	2170.00	17.984	35.925
	16QAM	2120.00	17.964	2170.00	17.966	35.930
	64QAM	2120.00	17.945	2170.00	17.981	35.927
	256QAM	2120.00	17.925	2170.00	17.942	35.867
1	QPSK	2120.00	17.921	2170.00	17.942	35.863
	16QAM	2120.00	17.943	2170.00	18.014	35.957
	64QAM	2120.00	17.957	2170.00	17.951	35.908
	256QAM	2120.00	17.949	2170.00	18.005	35.954

(4 Port) B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 10 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2115.00	8.9885	2177.50	4.4957	13.484
	16QAM	2115.00	8.9887	2177.50	4.4924	13.481
	64QAM	2115.00	8.9883	2177.50	4.4861	13.474
	256QAM	2115.00	8.9619	2177.50	4.4991	13.461
1	QPSK	2115.00	8.9981	2177.50	4.5061	13.504
	16QAM	2115.00	9.0352	2177.50	4.4762	13.511
	64QAM	2115.00	8.9754	2177.50	4.4997	13.475
	256QAM	2115.00	8.9992	2177.50	4.4963	13.495
2	QPSK	2115.00	9.0272	2177.50	4.4985	13.526
	16QAM	2115.00	9.0059	2177.50	4.4813	13.487
	64QAM	2115.00	8.9849	2177.50	4.4984	13.483
	256QAM	2115.00	8.9835	2177.50	4.5049	13.488
3	QPSK	2115.00	9.0014	2177.50	4.5054	13.507
	16QAM	2115.00	9.0246	2177.50	4.4937	13.518
	64QAM	2115.00	8.9989	2177.50	4.5114	13.510
	256QAM	2115.00	8.9654	2177.50	4.5045	13.470

(4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	17.964	2177.50	4.4998	22.464
	16QAM	2120.00	17.938	2177.50	4.4727	22.411
	64QAM	2120.00	17.962	2177.50	4.5012	22.463
	256QAM	2120.00	17.984	2177.50	4.4956	22.480
1	QPSK	2120.00	17.940	2177.50	4.4980	22.438
	16QAM	2120.00	17.962	2177.50	4.4850	22.447
	64QAM	2120.00	17.947	2177.50	4.4979	22.445
	256QAM	2120.00	17.913	2177.50	4.5020	22.415
2	QPSK	2120.00	17.945	2177.50	4.5009	22.446
	16QAM	2120.00	17.948	2177.50	4.4851	22.433
	64QAM	2120.00	17.905	2177.50	4.5052	22.410
	256QAM	2120.00	17.941	2177.50	4.5023	22.444
3	QPSK	2120.00	17.952	2177.50	4.5004	22.452
	16QAM	2120.00	17.942	2177.50	4.4839	22.426
	64QAM	2120.00	17.944	2177.50	4.4942	22.438
	256QAM	2120.00	17.941	2177.50	4.4931	22.434

(4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant	Mod	B66 LTE 20 MHz		B66 LTE 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2120.00	17.941	2170.00	17.957	35.899
	16QAM	2120.00	18.008	2170.00	17.909	35.917
	64QAM	2120.00	17.946	2170.00	17.925	35.871
	256QAM	2120.00	17.971	2170.00	17.971	35.942
1	QPSK	2120.00	17.909	2170.00	17.947	35.856
	16QAM	2120.00	17.964	2170.00	18.011	35.976
	64QAM	2120.00	17.947	2170.00	17.964	35.911
	256QAM	2120.00	17.952	2170.00	17.934	35.887
2	QPSK	2120.00	17.964	2170.00	17.956	35.920
	16QAM	2120.00	17.961	2170.00	17.925	35.886
	64QAM	2120.00	17.969	2170.00	17.971	35.940
	256QAM	2120.00	17.894	2170.00	17.973	35.867
3	QPSK	2120.00	17.942	2170.00	17.973	35.915
	16QAM	2120.00	17.946	2170.00	17.978	35.924
	64QAM	2120.00	17.967	2170.00	17.950	35.917
	256QAM	2120.00	17.954	2170.00	17.957	35.911

(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B2 LTE 5 MHz		B2 LTE 5 MHz + B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1932.50	4.5164	1985.00	9.4683	13.985
	16QAM	1932.50	4.4875	1985.00	9.4588	13.946
	64QAM	1932.50	4.4922	1985.00	9.4909	13.983
	256QAM	1932.50	4.5047	1985.00	9.4802	13.985
1	QPSK	1932.50	4.5101	1985.00	9.4677	13.978
	16QAM	1932.50	4.4942	1985.00	9.4503	13.945
	64QAM	1932.50	4.4990	1985.00	9.4939	13.993
	256QAM	1932.50	4.4992	1985.00	9.487	13.986

(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B2 LTE 5 MHz + B2 LTE 5 MHz		B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1935.00	9.4707	1987.50	4.5334	14.004
	16QAM	1935.00	9.4666	1987.50	4.4800	13.947
	64QAM	1935.00	9.4520	1987.50	4.5219	13.974
	256QAM	1935.00	9.4724	1987.50	4.5130	13.985
1	QPSK	1935.00	9.4814	1987.50	4.5155	13.997
	16QAM	1935.00	9.4935	1987.50	4.4942	13.988
	64QAM	1935.00	9.4432	1987.50	4.5175	13.961
	256QAM	1935.00	9.4675	1987.50	4.5281	13.996

(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B2 LTE 5 MHz		B2 LTE 20 MHz + B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1932.50	4.5150	1977.50	23.631	28.146
	16QAM	1932.50	4.4976	1977.50	23.677	28.175
	64QAM	1932.50	4.5004	1977.50	23.664	28.165
	256QAM	1932.50	4.5004	1977.50	23.668	28.168
1	QPSK	1932.50	4.5036	1977.50	23.687	28.191
	16QAM	1932.50	4.4912	1977.50	23.644	28.135
	64QAM	1932.50	4.4997	1977.50	23.613	28.112
	256QAM	1932.50	4.5059	1977.50	23.710	28.216

(2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B2 LTE 5 MHz + B2 LTE 20 MHz		B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1942.50	23.627	1987.50	4.5158	28.143
	16QAM	1942.50	23.560	1987.50	4.4945	28.054
	64QAM	1942.50	23.680	1987.50	4.5044	28.184
	256QAM	1942.50	23.721	1987.50	4.5145	28.235
1	QPSK	1942.50	23.698	1987.50	4.4954	28.193
	16QAM	1942.50	23.640	1987.50	4.4913	28.132
	64QAM	1942.50	23.726	1987.50	4.4978	28.224
	256QAM	1942.50	23.644	1987.50	4.5008	28.144

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B2 LTE 5 MHz		B2 LTE 5 MHz + B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1932.50	4.4890	1985.00	9.4751	13.964
	16QAM	1932.50	4.4831	1985.00	9.4999	13.983
	64QAM	1932.50	4.5118	1985.00	9.4838	13.996
	256QAM	1932.50	4.4945	1985.00	9.4903	13.985
1	QPSK	1932.50	4.5028	1985.00	9.4713	13.974
	16QAM	1932.50	4.4957	1985.00	9.4911	13.987
	64QAM	1932.50	4.4898	1985.00	9.4910	13.981
	256QAM	1932.50	4.5012	1985.00	9.4707	13.972
2	QPSK	1932.50	4.4937	1985.00	9.4973	13.991
	16QAM	1932.50	4.4865	1985.00	9.4879	13.974
	64QAM	1932.50	4.5137	1985.00	9.5002	14.014
	256QAM	1932.50	4.4927	1985.00	9.4695	13.962
3	QPSK	1932.50	4.4920	1985.00	9.4522	13.944
	16QAM	1932.50	4.5087	1985.00	9.4946	14.003
	64QAM	1932.50	4.4948	1985.00	9.4669	13.962
	256QAM	1932.50	4.5017	1985.00	9.4629	13.965

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B2 LTE 5 MHz + B2 LTE 5 MHz		B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1935.00	9.4762	1987.50	4.5154	13.992
	16QAM	1935.00	9.4334	1987.50	4.4823	13.916
	64QAM	1935.00	9.4959	1987.50	4.5089	14.005
	256QAM	1935.00	9.4742	1987.50	4.5368	14.011
1	QPSK	1935.00	9.4750	1987.50	4.5123	13.987
	16QAM	1935.00	9.4339	1987.50	4.5013	13.935
	64QAM	1935.00	9.4564	1987.50	4.5030	13.959
	256QAM	1935.00	9.4592	1987.50	4.5156	13.975
2	QPSK	1935.00	9.4923	1987.50	4.5223	14.015
	16QAM	1935.00	9.4495	1987.50	4.4822	13.932
	64QAM	1935.00	9.4930	1987.50	4.5156	14.009
	256QAM	1935.00	9.4613	1987.50	4.5275	13.989
3	QPSK	1935.00	9.4778	1987.50	4.4978	13.976
	16QAM	1935.00	9.4655	1987.50	4.5107	13.976
	64QAM	1935.00	9.4472	1987.50	4.5214	13.969
	256QAM	1935.00	9.5070	1987.50	4.5105	14.018

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B2 LTE 5 MHz		B2 LTE 20 MHz + B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1932.50	4.4830	1977.50	23.641	28.124
	16QAM	1932.50	4.4861	1977.50	23.692	28.178
	64QAM	1932.50	4.4874	1977.50	23.632	28.120
	256QAM	1932.50	4.4928	1977.50	23.667	28.160
1	QPSK	1932.50	4.5052	1977.50	23.596	28.101
	16QAM	1932.50	4.5070	1977.50	23.660	28.167
	64QAM	1932.50	4.4966	1977.50	23.664	28.160
	256QAM	1932.50	4.4975	1977.50	23.674	28.172
2	QPSK	1932.50	4.4925	1977.50	23.724	28.216
	16QAM	1932.50	4.4906	1977.50	23.675	28.166
	64QAM	1932.50	4.4856	1977.50	23.625	28.111
	256QAM	1932.50	4.5098	1977.50	23.681	28.191
3	QPSK	1932.50	4.4937	1977.50	23.642	28.135
	16QAM	1932.50	4.4639	1977.50	23.683	28.147
	64QAM	1932.50	4.5017	1977.50	23.685	28.186
	256QAM	1932.50	4.5078	1977.50	23.632	28.140

(4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B2 LTE 5 MHz + B2 LTE 20 MHz		B2 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1942.50	23.697	1987.50	4.5001	28.197
	16QAM	1942.50	23.661	1987.50	4.5156	28.177
	64QAM	1942.50	23.649	1987.50	4.5069	28.155
	256QAM	1942.50	23.641	1987.50	4.4990	28.140
1	QPSK	1942.50	23.664	1987.50	4.5096	28.174
	16QAM	1942.50	23.722	1987.50	4.4973	28.219
	64QAM	1942.50	23.661	1987.50	4.5062	28.167
	256QAM	1942.50	23.730	1987.50	4.5135	28.243
2	QPSK	1942.50	23.663	1987.50	4.4986	28.162
	16QAM	1942.50	23.687	1987.50	4.5019	28.189
	64QAM	1942.50	23.634	1987.50	4.5094	28.144
	256QAM	1942.50	23.627	1987.50	4.5047	28.131
3	QPSK	1942.50	23.646	1987.50	4.5066	28.152
	16QAM	1942.50	23.637	1987.50	4.5013	28.139
	64QAM	1942.50	23.679	1987.50	4.5116	28.191
	256QAM	1942.50	23.666	1987.50	4.5007	28.166

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B66 LTE 5 MHz		B66 LTE 5 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4990	2175.00	9.4862	13.985
	16QAM	2112.50	4.5029	2175.00	9.4645	13.967
	64QAM	2112.50	4.5085	2175.00	9.4612	13.970
	256QAM	2112.50	4.5032	2175.00	9.4770	13.980
1	QPSK	2112.50	4.4935	2175.00	9.4662	13.960
	16QAM	2112.50	4.4783	2175.00	9.4605	13.939
	64QAM	2112.50	4.4849	2175.00	9.4715	13.956
	256QAM	2112.50	4.5078	2175.00	9.4879	13.996

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B66 LTE 5 MHz + B66 LTE 5 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2115.00	9.4710	2177.50	4.4984	13.969
	16QAM	2115.00	9.4391	2177.50	4.4988	13.938
	64QAM	2115.00	9.4579	2177.50	4.5037	13.962
	256QAM	2115.00	9.4502	2177.50	4.5046	13.955
1	QPSK	2115.00	9.4738	2177.50	4.4922	13.966
	16QAM	2115.00	9.4319	2177.50	4.5047	13.937
	64QAM	2115.00	9.4619	2177.50	4.4848	13.947
	256QAM	2115.00	9.4539	2177.50	4.4978	13.952

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B66 LTE 5 MHz		B66 LTE 20 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4913	2167.50	23.683	28.174
	16QAM	2112.50	4.4743	2167.50	23.664	28.138
	64QAM	2112.50	4.5027	2167.50	23.692	28.194
	256QAM	2112.50	4.4952	2167.50	23.662	28.157
1	QPSK	2112.50	4.4894	2167.50	23.612	28.101
	16QAM	2112.50	4.4739	2167.50	23.585	28.059
	64QAM	2112.50	4.4895	2167.50	23.658	28.147
	256QAM	2112.50	4.4968	2167.50	23.668	28.164

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B66 LTE 5 MHz + B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2122.50	23.621	2177.50	4.4964	28.117
	16QAM	2122.50	23.605	2177.50	4.4921	28.097
	64QAM	2122.50	23.659	2177.50	4.5054	28.165
	256QAM	2122.50	23.642	2177.50	4.5084	28.150
1	QPSK	2122.50	23.620	2177.50	4.4991	28.119
	16QAM	2122.50	23.670	2177.50	4.4906	28.160
	64QAM	2122.50	23.650	2177.50	4.5062	28.156
	256QAM	2122.50	23.684	2177.50	4.5118	28.196

(2 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B66 LTE 15 MHz		B66 LTE 20 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2117.50	13.474	2167.50	23.697	37.171
	16QAM	2117.50	13.549	2167.50	23.695	37.244
	64QAM	2117.50	13.482	2167.50	23.636	37.118
	256QAM	2117.50	13.525	2167.50	23.667	37.192
1	QPSK	2117.50	13.490	2167.50	23.623	37.112
	16QAM	2117.50	13.547	2167.50	23.607	37.154
	64QAM	2117.50	13.526	2167.50	23.657	37.183
	256QAM	2117.50	13.490	2167.50	23.628	37.118

(2 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B66 LTE 15 MHz + B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2127.50	33.089	2177.50	4.5007	37.590
	16QAM	2127.50	33.112	2177.50	4.4891	37.601
	64QAM	2127.50	33.130	2177.50	4.5045	37.635
	256QAM	2127.50	33.102	2177.50	4.5053	37.608
1	QPSK	2127.50	33.125	2177.50	4.5002	37.626
	16QAM	2127.50	33.237	2177.50	4.4902	37.727
	64QAM	2127.50	33.058	2177.50	4.5261	37.585
	256QAM	2127.50	33.104	2177.50	4.4999	37.604

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B66 LTE 5 MHz		B66 LTE 5 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4972	2175.00	9.4828	13.980
	16QAM	2112.50	4.4776	2175.00	9.4497	13.927
	64QAM	2112.50	4.4938	2175.00	9.4903	13.984
	256QAM	2112.50	4.5034	2175.00	9.4580	13.961
1	QPSK	2112.50	4.4889	2175.00	9.4791	13.968
	16QAM	2112.50	4.4869	2175.00	9.4472	13.934
	64QAM	2112.50	4.4949	2175.00	9.4643	13.959
	256QAM	2112.50	4.4962	2175.00	9.4653	13.961
2	QPSK	2112.50	4.4863	2175.00	9.4819	13.968
	16QAM	2112.50	4.4839	2175.00	9.5043	13.988
	64QAM	2112.50	4.5003	2175.00	9.4908	13.991
	256QAM	2112.50	4.4984	2175.00	9.4713	13.970
3	QPSK	2112.50	4.4891	2175.00	9.4654	13.954
	16QAM	2112.50	4.4729	2175.00	9.4468	13.920
	64QAM	2112.50	4.4889	2175.00	9.4835	13.972
	256QAM	2112.50	4.5006	2175.00	9.4850	13.986

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B66 LTE 5 MHz + B66 LTE 5 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2115.00	9.4727	2177.50	4.4942	13.967
	16QAM	2115.00	9.4340	2177.50	4.4924	13.926
	64QAM	2115.00	9.4534	2177.50	4.4997	13.953
	256QAM	2115.00	9.4574	2177.50	4.5028	13.960
1	QPSK	2115.00	9.4470	2177.50	4.5099	13.957
	16QAM	2115.00	9.4350	2177.50	4.4980	13.933
	64QAM	2115.00	9.4557	2177.50	4.5108	13.967
	256QAM	2115.00	9.4543	2177.50	4.5117	13.966
2	QPSK	2115.00	9.4544	2177.50	4.5009	13.955
	16QAM	2115.00	9.4153	2177.50	4.4965	13.912
	64QAM	2115.00	9.4630	2177.50	4.5139	13.977
	256QAM	2115.00	9.4410	2177.50	4.5055	13.946
3	QPSK	2115.00	9.4690	2177.50	4.4923	13.961
	16QAM	2115.00	9.4383	2177.50	4.4821	13.920
	64QAM	2115.00	9.4437	2177.50	4.5158	13.960
	256QAM	2115.00	9.4370	2177.50	4.5188	13.956

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B66 LTE 5 MHz		B66 LTE 20 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4888	2167.50	23.683	28.172
	16QAM	2112.50	4.4847	2167.50	23.658	28.143
	64QAM	2112.50	4.5028	2167.50	23.661	28.164
	256QAM	2112.50	4.5010	2167.50	23.672	28.173
1	QPSK	2112.50	4.4889	2167.50	23.625	28.114
	16QAM	2112.50	4.4823	2167.50	23.682	28.165
	64QAM	2112.50	4.4912	2167.50	23.639	28.130
	256QAM	2112.50	4.5036	2167.50	23.668	28.172
2	QPSK	2112.50	4.4890	2167.50	23.623	28.112
	16QAM	2112.50	4.4884	2167.50	23.618	28.106
	64QAM	2112.50	4.5069	2167.50	23.683	28.190
	256QAM	2112.50	4.4970	2167.50	23.664	28.161
3	QPSK	2112.50	4.4863	2167.50	23.616	28.103
	16QAM	2112.50	4.4654	2167.50	23.720	28.185
	64QAM	2112.50	4.5001	2167.50	23.660	28.160
	256QAM	2112.50	4.4874	2167.50	23.681	28.168

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B66 LTE 5 MHz + B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2122.50	23.626	2177.50	4.4993	28.126
	16QAM	2122.50	23.607	2177.50	4.4893	28.096
	64QAM	2122.50	23.597	2177.50	4.5076	28.104
	256QAM	2122.50	23.644	2177.50	4.5004	28.144
1	QPSK	2122.50	23.635	2177.50	4.4981	28.133
	16QAM	2122.50	23.635	2177.50	4.4833	28.118
	64QAM	2122.50	23.614	2177.50	4.5091	28.123
	256QAM	2122.50	23.609	2177.50	4.5168	28.126
2	QPSK	2122.50	23.642	2177.50	4.5017	28.144
	16QAM	2122.50	23.591	2177.50	4.4822	28.073
	64QAM	2122.50	23.618	2177.50	4.5015	28.119
	256QAM	2122.50	23.651	2177.50	4.5238	28.175
3	QPSK	2122.50	23.704	2177.50	4.4967	28.201
	16QAM	2122.50	23.759	2177.50	4.4893	28.248
	64QAM	2122.50	23.686	2177.50	4.5129	28.199
	256QAM	2122.50	23.713	2177.50	4.5109	28.223

(4 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant	Mod	B66 LTE 15 MHz		B66 LTE 20 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2117.50	13.455	2167.50	23.699	37.155
	16QAM	2117.50	13.539	2167.50	23.617	37.155
	64QAM	2117.50	13.474	2167.50	23.645	37.120
	256QAM	2117.50	13.517	2167.50	23.673	37.190
1	QPSK	2117.50	13.425	2167.50	23.690	37.115
	16QAM	2117.50	13.500	2167.50	23.593	37.092
	64QAM	2117.50	13.505	2167.50	23.656	37.160
	256QAM	2117.50	13.475	2167.50	23.699	37.174
2	QPSK	2117.50	13.460	2167.50	23.619	37.079
	16QAM	2117.50	13.508	2167.50	23.684	37.192
	64QAM	2117.50	13.508	2167.50	23.649	37.156
	256QAM	2117.50	13.408	2167.50	23.688	37.096
3	QPSK	2117.50	13.475	2167.50	23.669	37.145
	16QAM	2117.50	13.552	2167.50	23.644	37.196
	64QAM	2117.50	13.536	2167.50	23.688	37.224
	256QAM	2117.50	13.458	2167.50	23.649	37.107

(4 Port) B66 LTE 15 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant	Mod	B66 LTE 15 MHz + B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2127.50	33.089	2177.50	4.4974	37.586
	16QAM	2127.50	33.053	2177.50	4.4929	37.545
	64QAM	2127.50	33.093	2177.50	4.5061	37.599
	256QAM	2127.50	33.101	2177.50	4.5120	37.613
1	QPSK	2127.50	33.065	2177.50	4.5020	37.567
	16QAM	2127.50	33.167	2177.50	4.4867	37.653
	64QAM	2127.50	33.019	2177.50	4.5073	37.526
	256QAM	2127.50	33.070	2177.50	4.5087	37.579
2	QPSK	2127.50	33.048	2177.50	4.5032	37.551
	16QAM	2127.50	33.192	2177.50	4.4932	37.685
	64QAM	2127.50	33.158	2177.50	4.5051	37.663
	256QAM	2127.50	33.117	2177.50	4.5089	37.626
3	QPSK	2127.50	33.101	2177.50	4.4968	37.598
	16QAM	2127.50	33.174	2177.50	4.4818	37.656
	64QAM	2127.50	33.088	2177.50	4.5050	37.593
	256QAM	2127.50	33.154	2177.50	4.5149	37.669

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]
(1C+3C)

Ant	Mod	B66 LTE 5 MHz		B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4960	2172.50	14.473	18.969
	16QAM	2112.50	4.4863	2172.50	14.484	18.971
	64QAM	2112.50	4.5118	2172.50	14.481	18.993
	256QAM	2112.50	4.4961	2172.50	14.466	18.962
1	QPSK	2112.50	4.4954	2172.50	14.475	18.971
	16QAM	2112.50	4.4836	2172.50	14.453	18.936
	64QAM	2112.50	4.4970	2172.50	14.461	18.958
	256QAM	2112.50	4.5020	2172.50	14.445	18.947

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]
(3C+1C)

Ant	Mod	B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2117.50	14.440	2177.50	4.5087	18.949
	16QAM	2117.50	14.418	2177.50	4.4966	18.915
	64QAM	2117.50	14.422	2177.50	4.5046	18.927
	256QAM	2117.50	14.434	2177.50	4.5104	18.944
1	QPSK	2117.50	14.426	2177.50	4.5182	18.944
	16QAM	2117.50	14.417	2177.50	4.5045	18.922
	64QAM	2117.50	14.426	2177.50	4.4939	18.919
	256QAM	2117.50	14.437	2177.50	4.5162	18.953

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]
(1C+3C)

Ant	Mod	B66 LTE 5 MHz		B66 LTE 20 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4898	2165.00	28.697	33.187
	16QAM	2112.50	4.4776	2165.00	28.713	33.191
	64QAM	2112.50	4.4907	2165.00	28.622	33.113
	256QAM	2112.50	4.4957	2165.00	28.627	33.122
1	QPSK	2112.50	4.4921	2165.00	28.674	33.166
	16QAM	2112.50	4.4840	2165.00	28.654	33.138
	64QAM	2112.50	4.4915	2165.00	28.617	33.109
	256QAM	2112.50	4.5033	2165.00	28.612	33.116

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]
(3C+1C)

Ant	Mod	B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2125.00	28.604	2177.50	4.5079	33.112
	16QAM	2125.00	28.593	2177.50	4.5011	33.094
	64QAM	2125.00	28.629	2177.50	4.5154	33.144
	256QAM	2125.00	28.559	2177.50	4.5010	33.060
1	QPSK	2125.00	28.621	2177.50	4.4981	33.120
	16QAM	2125.00	28.704	2177.50	4.5020	33.206
	64QAM	2125.00	28.577	2177.50	4.5081	33.085
	256QAM	2125.00	28.580	2177.50	4.5132	33.093

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C)

Ant	Mod	B66 LTE 5 MHz		B66 LTE 20 MHz + B66 LTE 10 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4894	2162.50	33.597	38.086
	16QAM	2112.50	4.4899	2162.50	33.550	38.040
	64QAM	2112.50	4.4972	2162.50	33.592	38.089
	256QAM	2112.50	4.5047	2162.50	33.605	38.110
1	QPSK	2112.50	4.4900	2162.50	33.557	38.047
	16QAM	2112.50	4.4951	2162.50	33.518	38.013
	64QAM	2112.50	4.5012	2162.50	33.549	38.050
	256QAM	2112.50	4.4977	2162.50	33.617	38.115

(2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C)

Ant	Mod	B66 LTE 5 MHz + B66 LTE 10 MHz + B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2127.50	33.603	2177.50	4.4992	38.102
	16QAM	2127.50	33.571	2177.50	4.4840	38.055
	64QAM	2127.50	33.551	2177.50	4.5037	38.054
	256QAM	2127.50	33.577	2177.50	4.5166	38.093
1	QPSK	2127.50	33.631	2177.50	4.4991	38.130
	16QAM	2127.50	33.597	2177.50	4.4922	38.090
	64QAM	2127.50	33.557	2177.50	4.5044	38.061
	256QAM	2127.50	33.609	2177.50	4.5145	38.123

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]
(1C+3C)

Ant	Mod	B66 LTE 5 MHz		B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4855	2172.50	14.456	18.941
	16QAM	2112.50	4.4746	2172.50	14.392	18.866
	64QAM	2112.50	4.4991	2172.50	14.435	18.934
	256QAM	2112.50	4.4935	2172.50	14.456	18.950
1	QPSK	2112.50	4.4864	2172.50	14.453	18.939
	16QAM	2112.50	4.4761	2172.50	14.459	18.935
	64QAM	2112.50	4.5009	2172.50	14.428	18.929
	256QAM	2112.50	4.4957	2172.50	14.435	18.931
2	QPSK	2112.50	4.4946	2172.50	14.425	18.920
	16QAM	2112.50	4.4890	2172.50	14.422	18.911
	64QAM	2112.50	4.4955	2172.50	14.433	18.929
	256QAM	2112.50	4.5057	2172.50	14.446	18.951
3	QPSK	2112.50	4.4872	2172.50	14.411	18.898
	16QAM	2112.50	4.4695	2172.50	14.459	18.928
	64QAM	2112.50	4.4935	2172.50	14.433	18.926
	256QAM	2112.50	4.4911	2172.50	14.457	18.948

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]
(3C+1C)

Ant	Mod	B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2117.50	14.445	2177.50	4.5029	18.948
	16QAM	2117.50	14.373	2177.50	4.4862	18.859
	64QAM	2117.50	14.425	2177.50	4.5095	18.934
	256QAM	2117.50	14.441	2177.50	4.4964	18.937
1	QPSK	2117.50	14.419	2177.50	4.5054	18.924
	16QAM	2117.50	14.397	2177.50	4.4968	18.894
	64QAM	2117.50	14.429	2177.50	4.5130	18.942
	256QAM	2117.50	14.436	2177.50	4.4977	18.933
2	QPSK	2117.50	14.436	2177.50	4.5003	18.937
	16QAM	2117.50	14.410	2177.50	4.4829	18.893
	64QAM	2117.50	14.409	2177.50	4.5054	18.915
	256QAM	2117.50	14.450	2177.50	4.5046	18.955
3	QPSK	2117.50	14.427	2177.50	4.5034	18.931
	16QAM	2117.50	14.375	2177.50	4.4857	18.861
	64QAM	2117.50	14.433	2177.50	4.5113	18.944
	256QAM	2117.50	14.412	2177.50	4.5018	18.914

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]
(1C+3C)

Ant	Mod	B66 LTE 5 MHz		B66 LTE 20 MHz + B66 LTE 5 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4840	2165.00	28.638	33.122
	16QAM	2112.50	4.4649	2165.00	28.711	33.176
	64QAM	2112.50	4.4892	2165.00	28.641	33.130
	256QAM	2112.50	4.4973	2165.00	28.659	33.156
1	QPSK	2112.50	4.4821	2165.00	28.631	33.113
	16QAM	2112.50	4.4643	2165.00	28.638	33.102
	64QAM	2112.50	4.5000	2165.00	28.649	33.149
	256QAM	2112.50	4.5004	2165.00	28.640	33.141
2	QPSK	2112.50	4.4899	2165.00	28.703	33.193
	16QAM	2112.50	4.4765	2165.00	28.756	33.232
	64QAM	2112.50	4.4955	2165.00	28.635	33.131
	256QAM	2112.50	4.4938	2165.00	28.656	33.150
3	QPSK	2112.50	4.4878	2165.00	28.645	33.133
	16QAM	2112.50	4.4852	2165.00	28.629	33.114
	64QAM	2112.50	4.4896	2165.00	28.683	33.172
	256QAM	2112.50	4.4949	2165.00	28.588	33.083

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]
(3C+1C)

Ant	Mod	B66 LTE 5 MHz + B66 LTE 5 MHz + B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2125.00	28.696	2177.50	4.5009	33.197
	16QAM	2125.00	28.532	2177.50	4.5002	33.032
	64QAM	2125.00	28.651	2177.50	4.5301	33.181
	256QAM	2125.00	28.608	2177.50	4.5174	33.126
1	QPSK	2125.00	28.734	2177.50	4.5044	33.238
	16QAM	2125.00	28.661	2177.50	4.5012	33.162
	64QAM	2125.00	28.570	2177.50	4.5106	33.081
	256QAM	2125.00	28.668	2177.50	4.5058	33.173
2	QPSK	2125.00	28.630	2177.50	4.4918	33.122
	16QAM	2125.00	28.636	2177.50	4.5025	33.138
	64QAM	2125.00	28.640	2177.50	4.5158	33.156
	256QAM	2125.00	28.616	2177.50	4.5059	33.122
3	QPSK	2125.00	28.604	2177.50	4.5026	33.107
	16QAM	2125.00	28.669	2177.50	4.5040	33.173
	64QAM	2125.00	28.606	2177.50	4.5167	33.123
	256QAM	2125.00	28.648	2177.50	4.5054	33.154

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C)

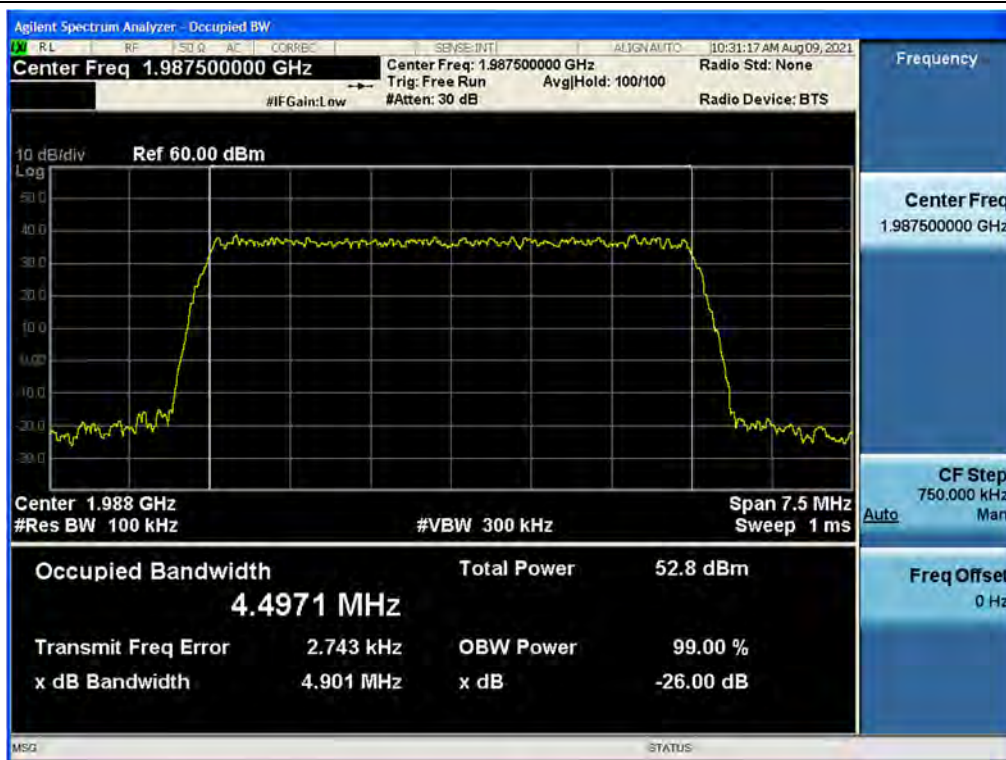
Ant	Mod	B66 LTE 5 MHz		B66 LTE 20 MHz + B66 LTE 10 MHz + B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2112.50	4.4952	2162.50	33.560	38.055
	16QAM	2112.50	4.4883	2162.50	33.601	38.090
	64QAM	2112.50	4.5016	2162.50	33.555	38.057
	256QAM	2112.50	4.4944	2162.50	33.591	38.086
1	QPSK	2112.50	4.4856	2162.50	33.642	38.128
	16QAM	2112.50	4.4731	2162.50	33.659	38.132
	64QAM	2112.50	4.4864	2162.50	33.584	38.070
	256QAM	2112.50	4.5047	2162.50	33.578	38.082
2	QPSK	2112.50	4.4911	2162.50	33.638	38.129
	16QAM	2112.50	4.4748	2162.50	33.616	38.090
	64QAM	2112.50	4.4871	2162.50	33.575	38.062
	256QAM	2112.50	4.4962	2162.50	33.644	38.140
3	QPSK	2112.50	4.4835	2162.50	33.601	38.085
	16QAM	2112.50	4.4725	2162.50	33.692	38.164
	64QAM	2112.50	4.5030	2162.50	33.560	38.063
	256QAM	2112.50	4.4871	2162.50	33.606	38.093

(4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C)

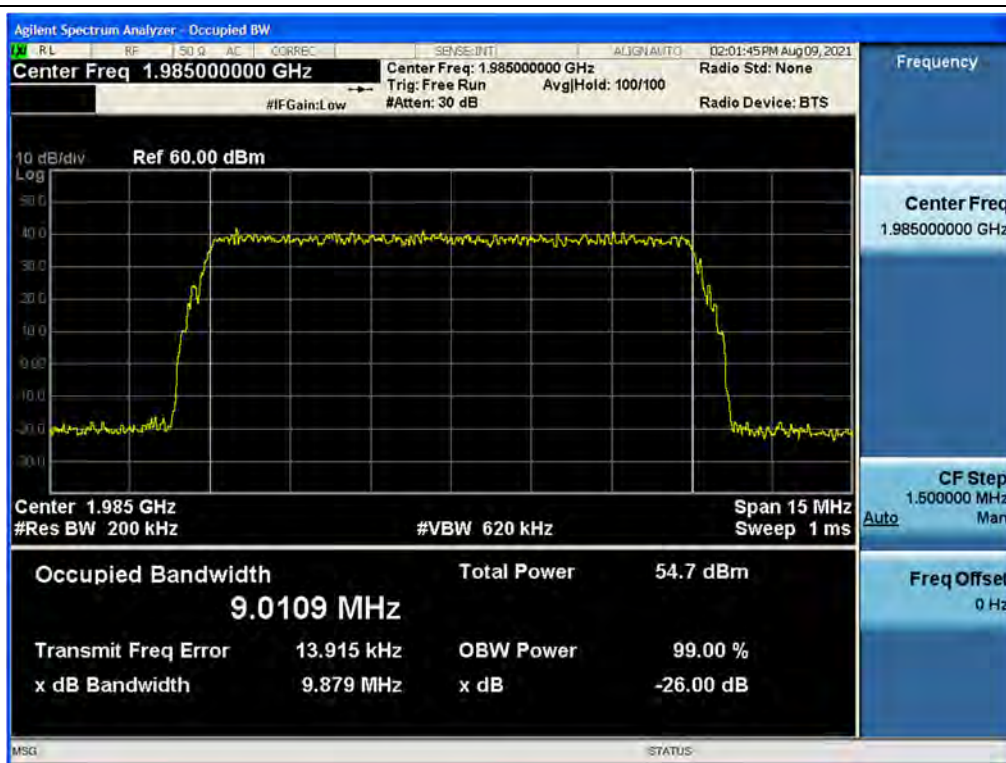
Ant	Mod	B66 LTE 5 MHz + B66 LTE 10 MHz + B66 LTE 20 MHz		B66 LTE 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2127.50	33.570	2177.50	4.5006	38.071
	16QAM	2127.50	33.570	2177.50	4.4803	38.050
	64QAM	2127.50	33.523	2177.50	4.5063	38.029
	256QAM	2127.50	33.626	2177.50	4.5093	38.135
1	QPSK	2127.50	33.655	2177.50	4.4997	38.155
	16QAM	2127.50	33.641	2177.50	4.4874	38.128
	64QAM	2127.50	33.566	2177.50	4.5002	38.066
	256QAM	2127.50	33.525	2177.50	4.5134	38.038
2	QPSK	2127.50	33.679	2177.50	4.5055	38.185
	16QAM	2127.50	33.532	2177.50	4.4894	38.021
	64QAM	2127.50	33.529	2177.50	4.5022	38.031
	256QAM	2127.50	33.576	2177.50	4.4977	38.074
3	QPSK	2127.50	33.556	2177.50	4.4966	38.053
	16QAM	2127.50	33.559	2177.50	4.5049	38.064
	64QAM	2127.50	33.627	2177.50	4.5003	38.128
	256QAM	2127.50	33.622	2177.50	4.5111	38.133

Plot Data of Occupied bandwidth

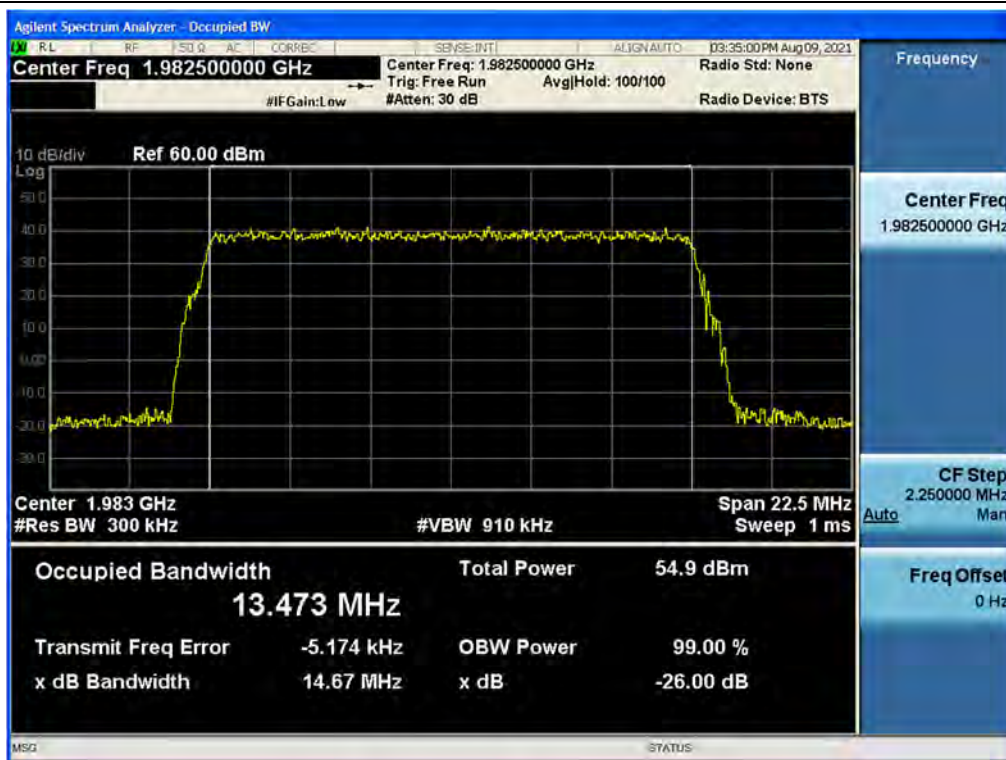
Antenna 1 / (2 Port) B2 LTE 5 MHz 1 Carrier / QPSK / High



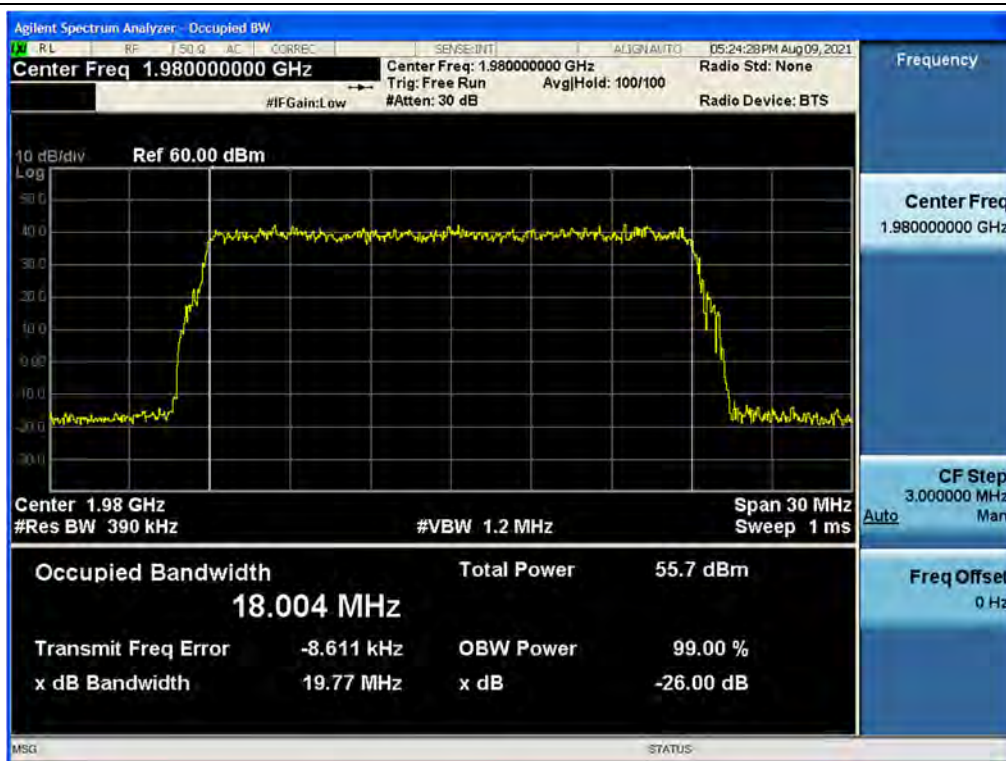
Antenna 1 / (2 Port) B2 LTE 10 MHz 1 Carrier / 64QAM / High



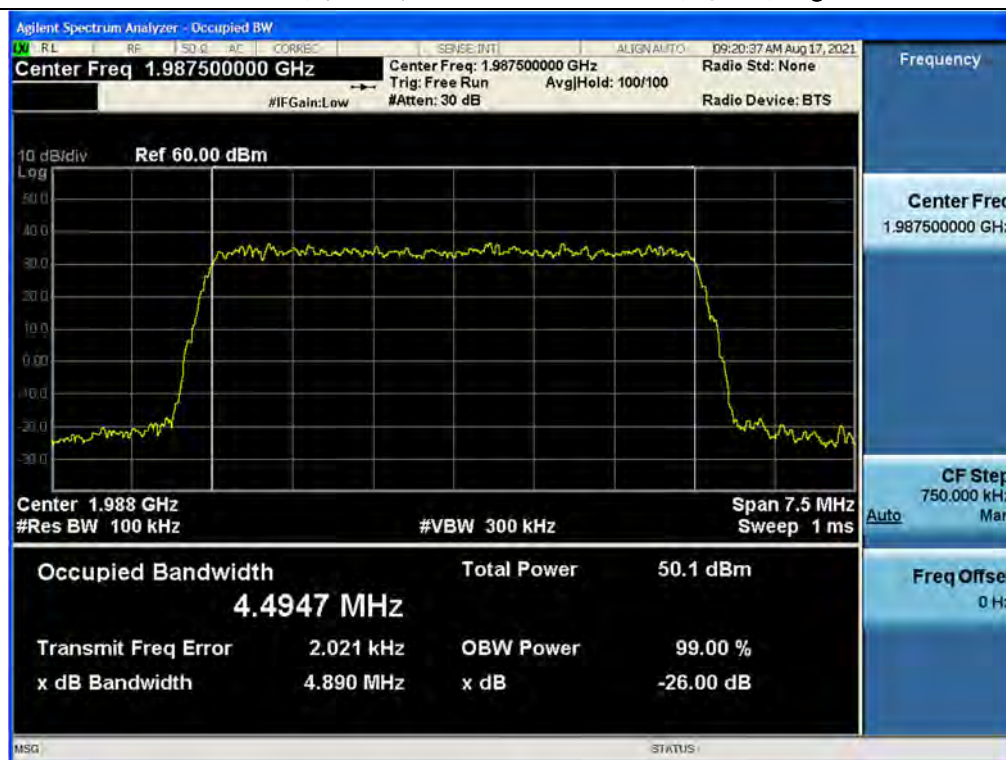
Antenna 1 / (2 Port) B2 LTE 15 MHz 1 Carrier / QPSK / High



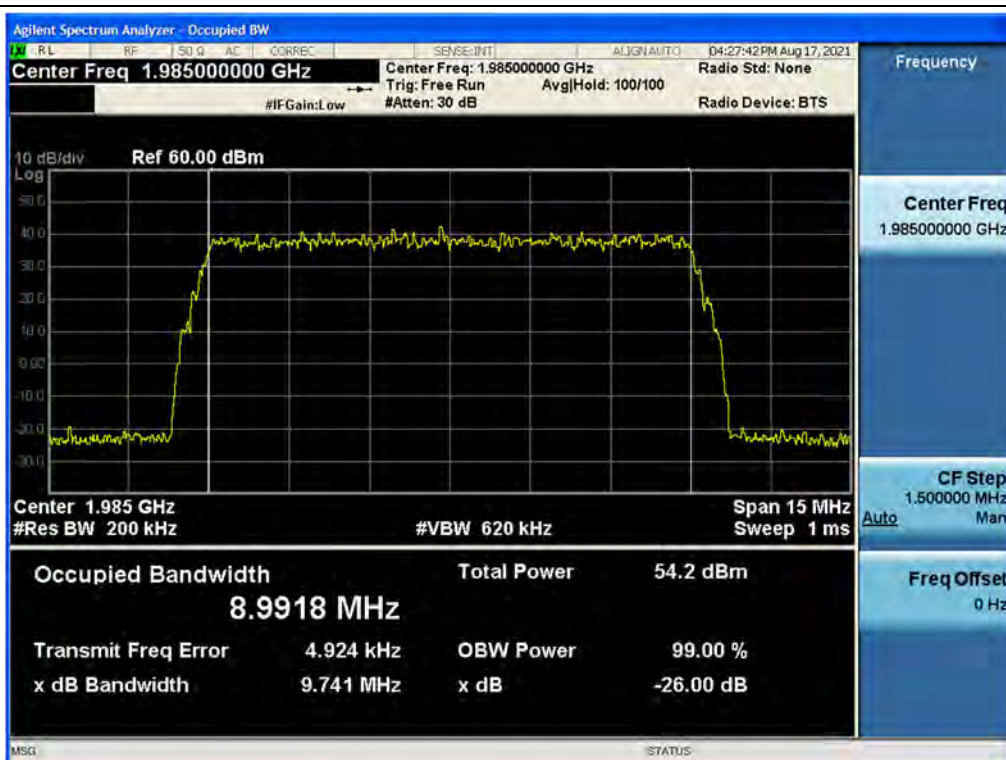
Antenna 1 / (2 Port) B2 LTE 20 MHz 1 Carrier / 16QAM / High



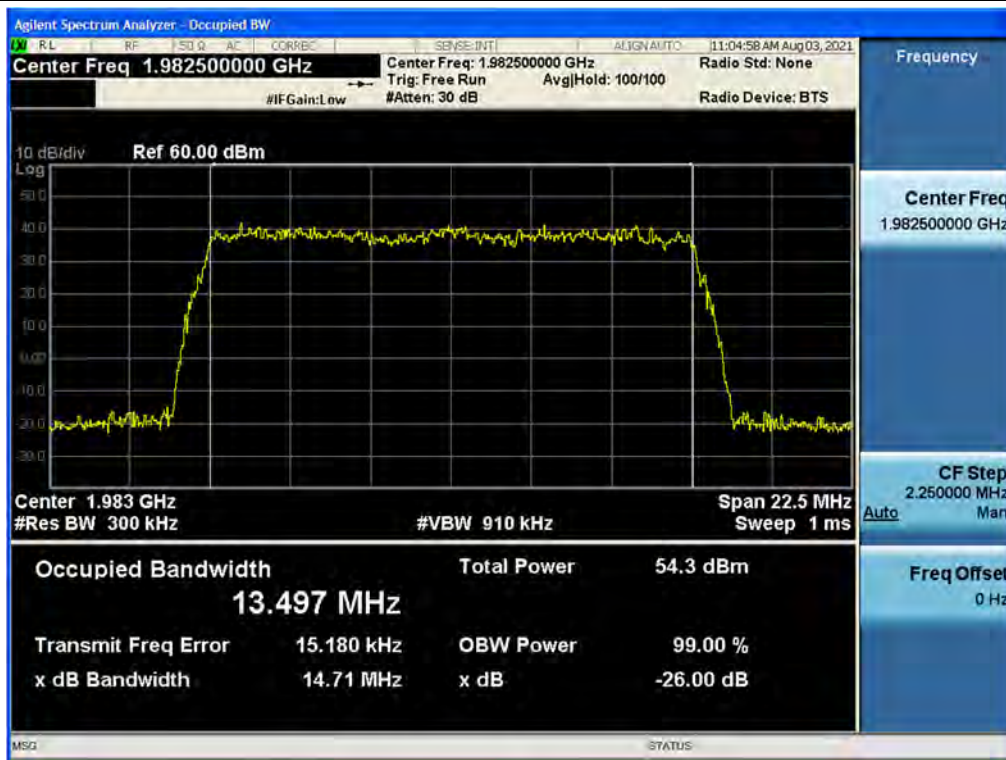
Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier / QPSK / High



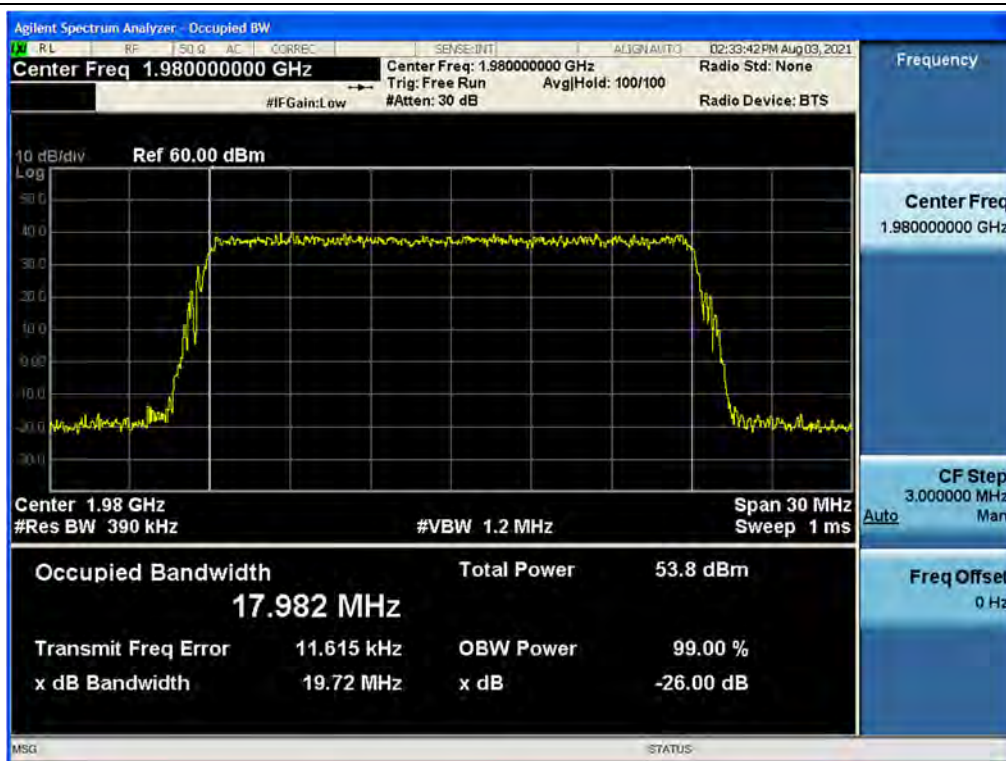
Antenna 1 / (4 Port) B2 LTE 10 MHz 1 Carrier / 16QAM / High



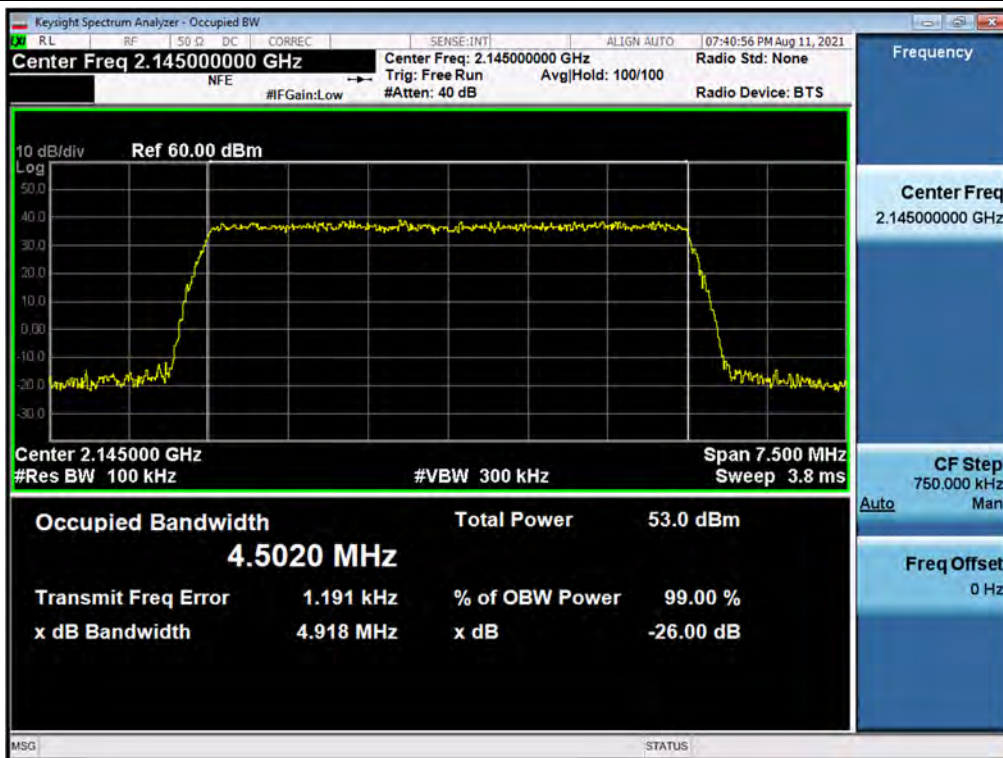
Antenna 1 / (4 Port) B2 LTE 15 MHz 1 Carrier / 16QAM / High



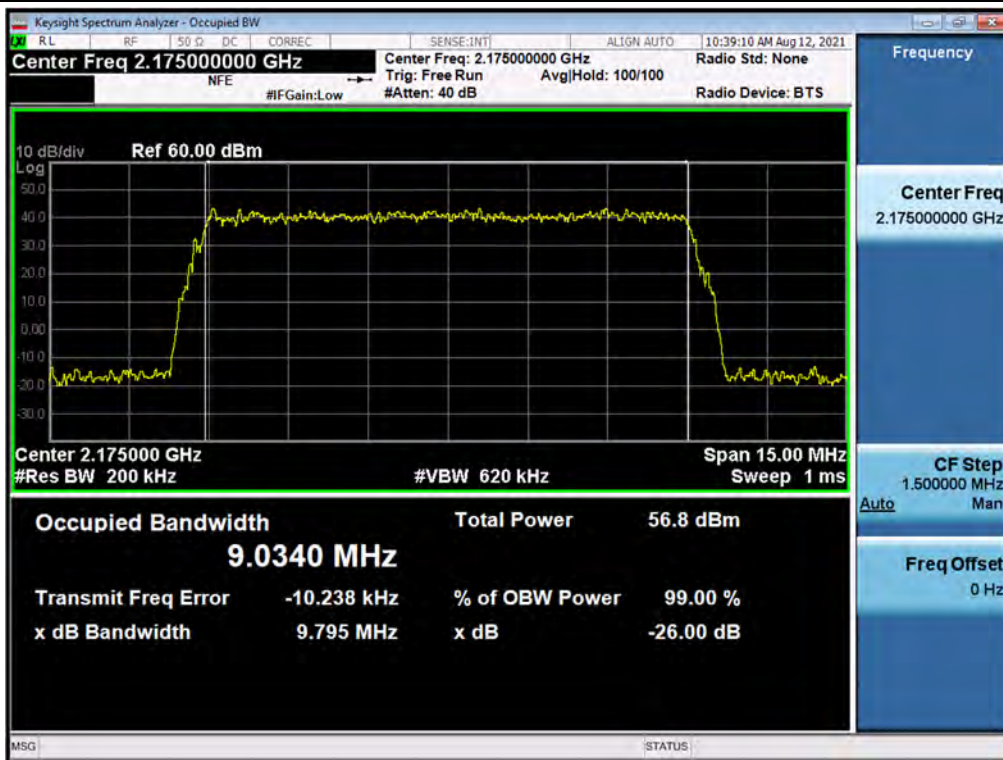
Antenna 1 / (4 Port) B2 LTE 20 MHz 1 Carrier / QPSK / High



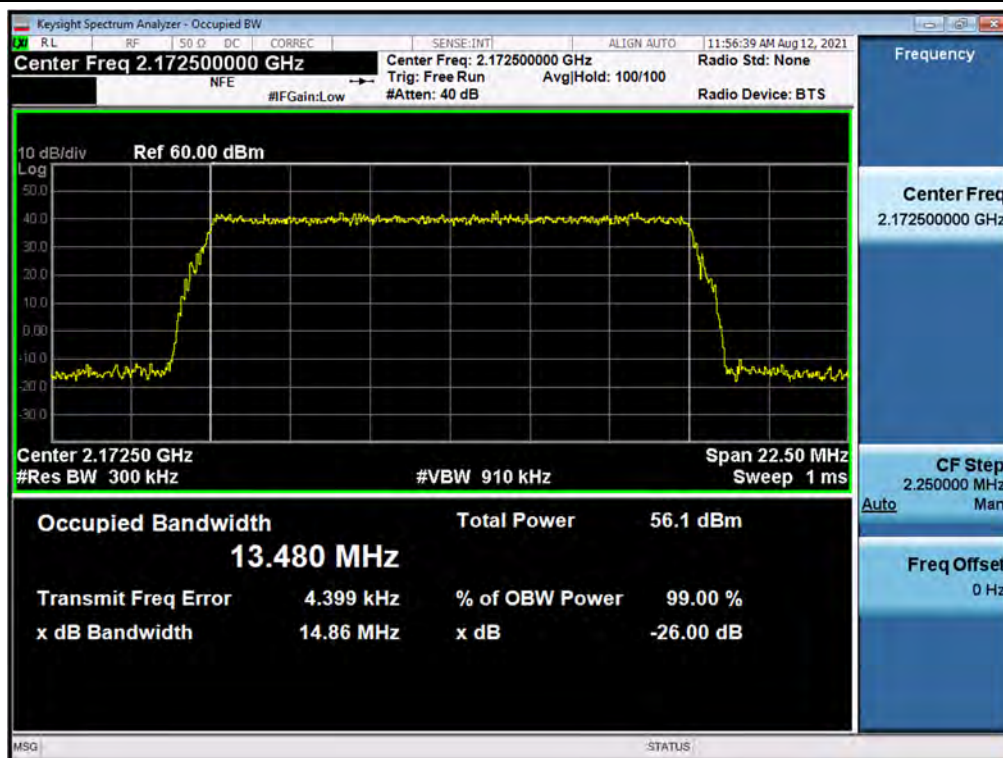
Antenna 1 / (2 Port) B66 LTE 5 MHz 1 Carrier / QPSK / Middle



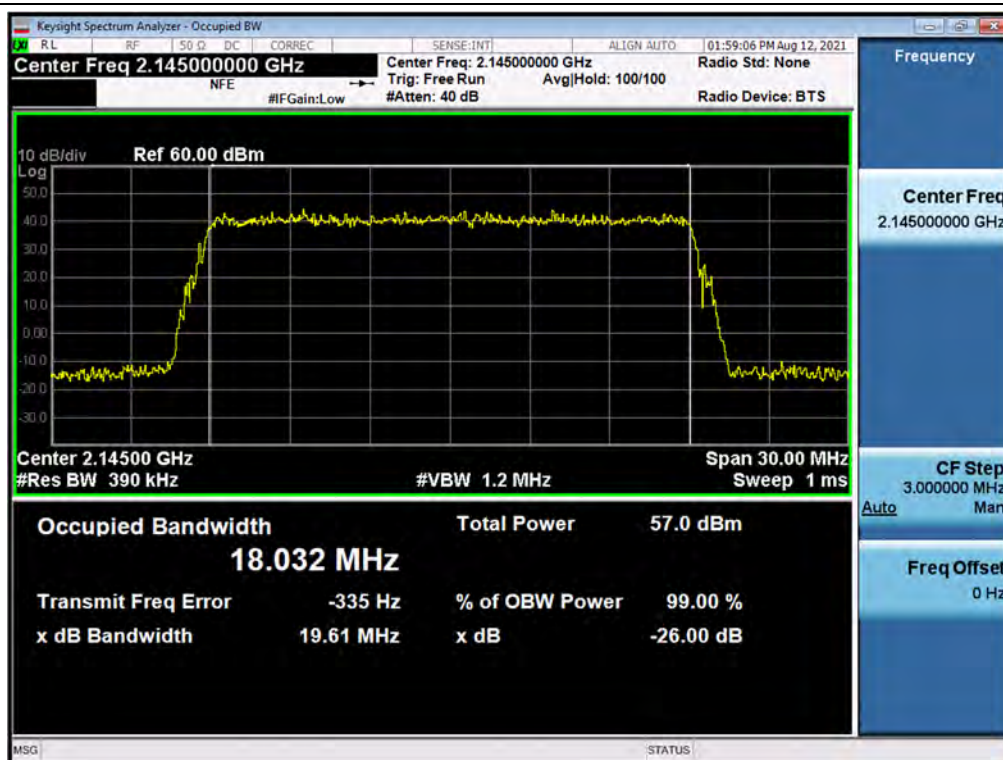
Antenna 1 / (2 Port) B66 LTE 10 MHz 1 Carrier / 16QAM / High



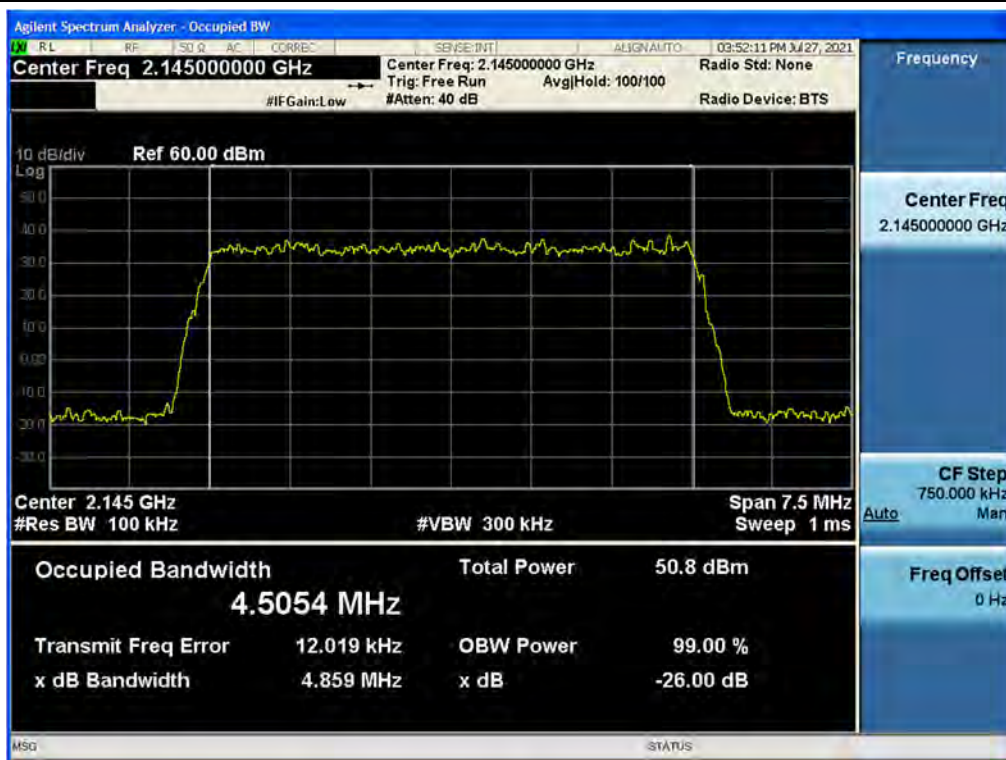
Antenna 1 / (2 Port) B66 LTE 15 MHz 1 Carrier / QPSK / High



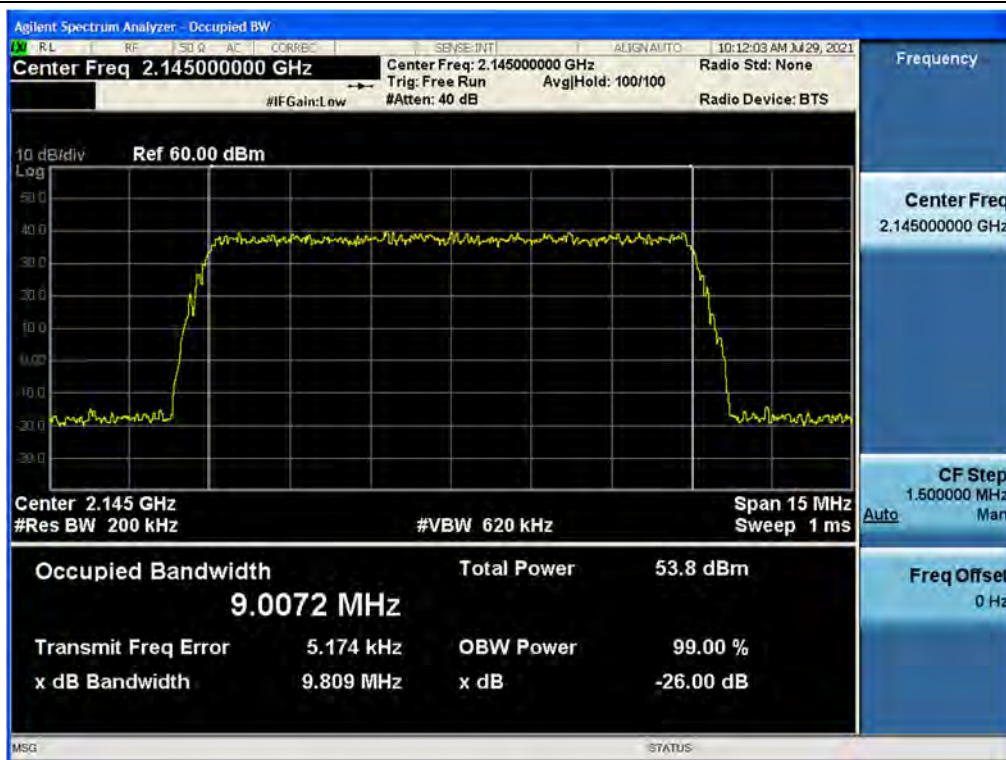
Antenna 1 / (2 Port) B66 LTE 20 MHz 1 Carrier / 16QAM / Middle



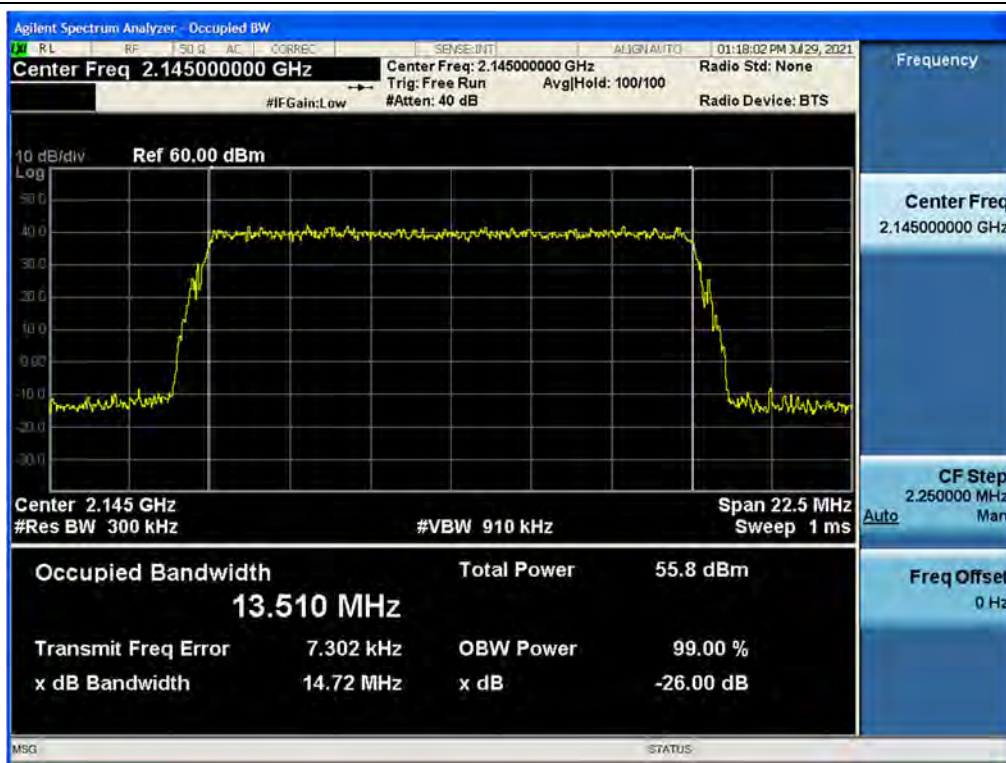
Antenna 0 / (4 Port) B66 LTE 5 MHz 1 Carrier / 64QAM / Middle



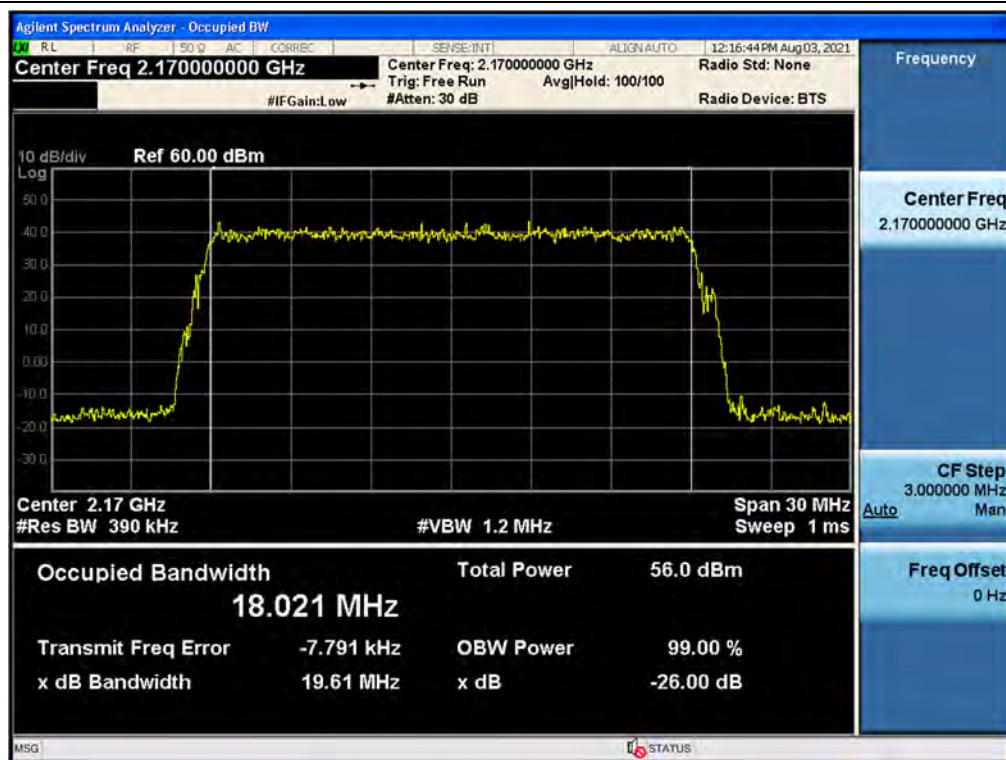
Antenna 3 / (4 Port) B66 LTE 10 MHz 1 Carrier / QPSK / Middle



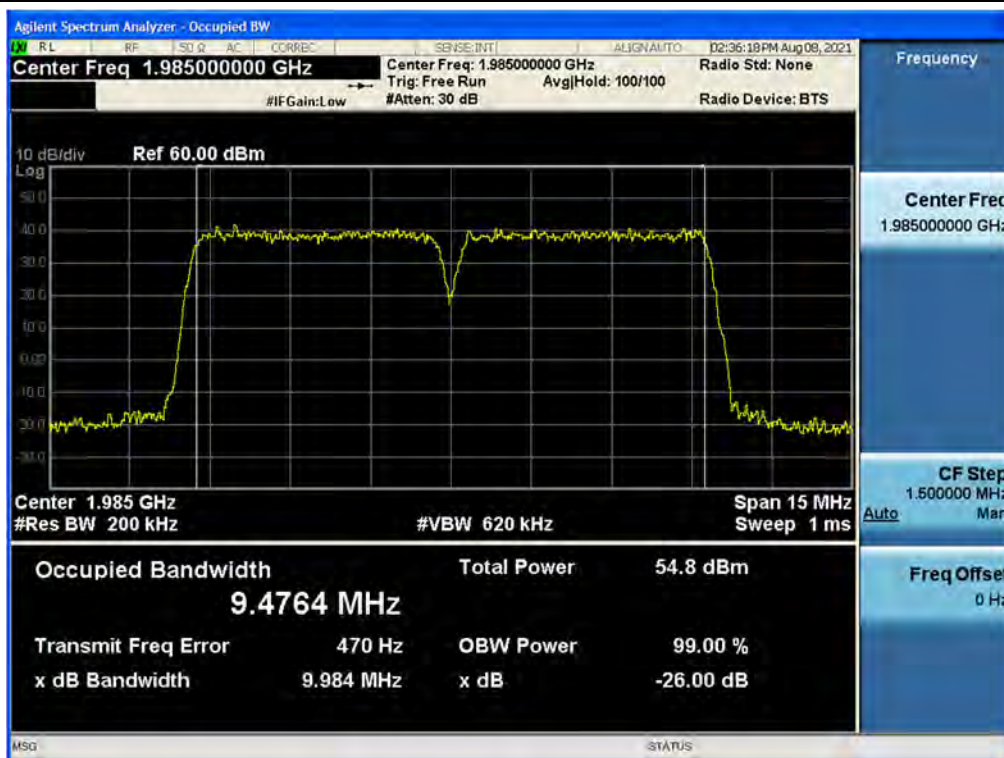
Antenna 3 / (4 Port) B66 LTE 15 MHz 1 Carrier / 256QAM / Middle



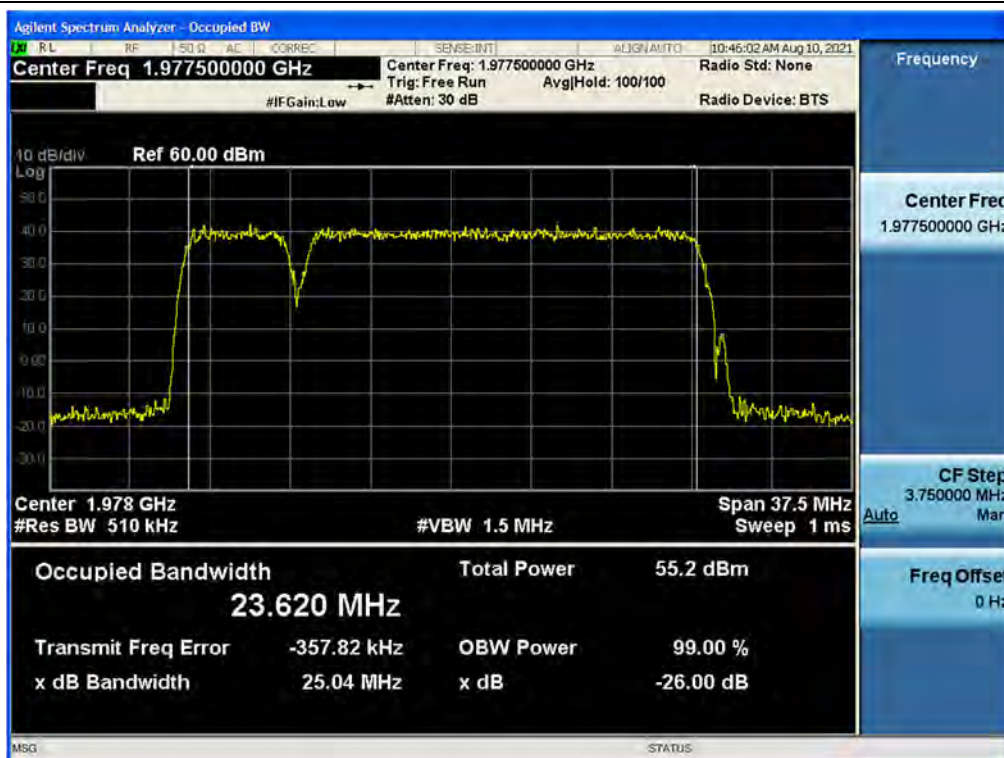
Antenna 0 / (4 Port) B66 LTE 20 MHz 1 Carrier / 16QAM / High



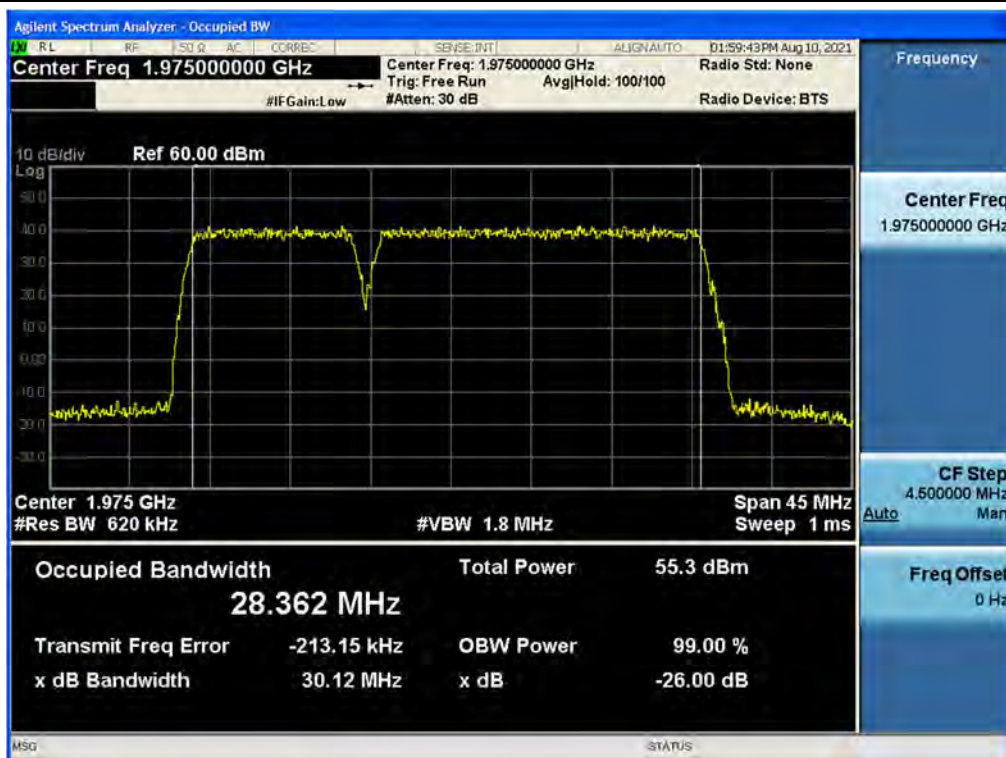
Antenna 1 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / High



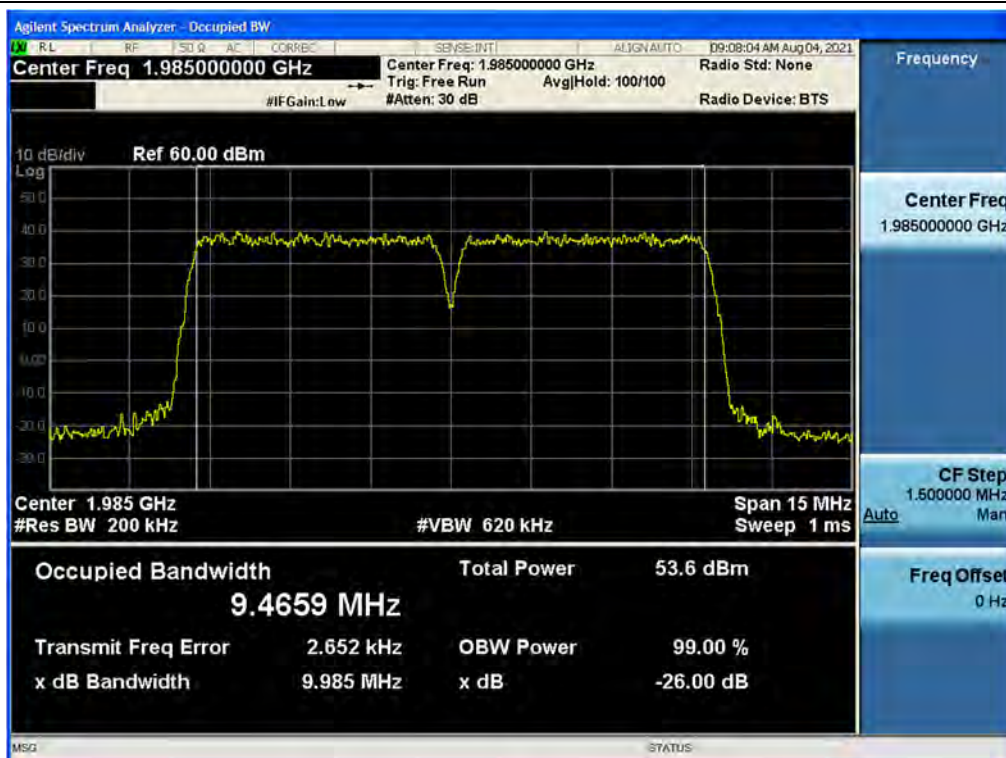
Antenna 1 / (2 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High



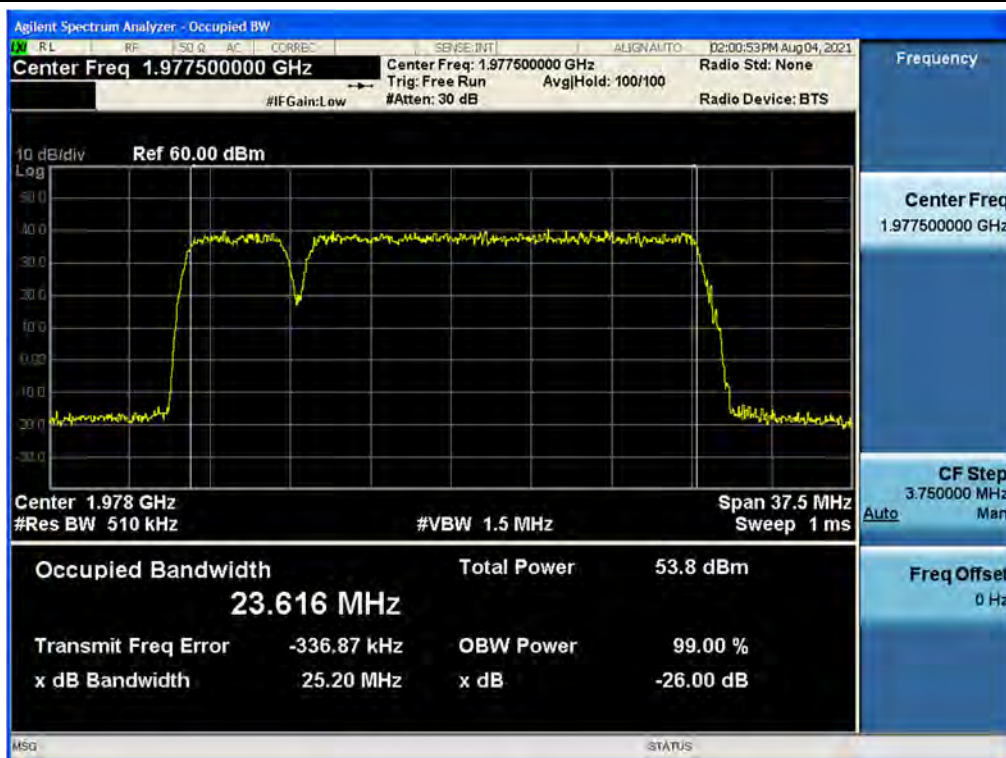
Antenna 1 / (2 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High



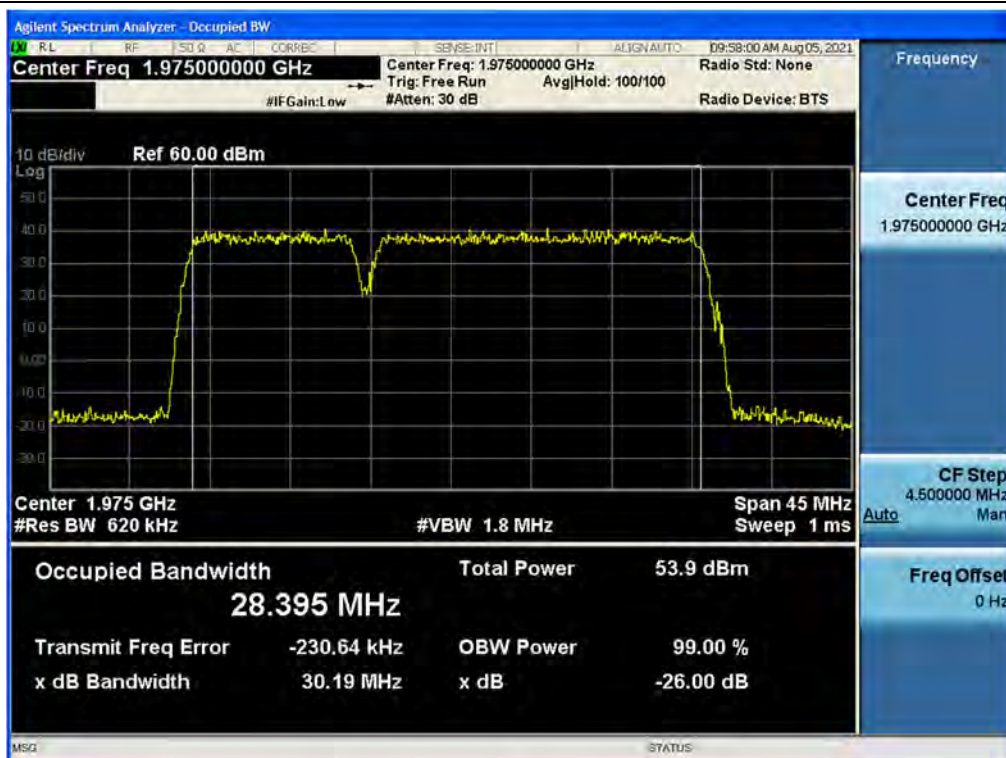
Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / High



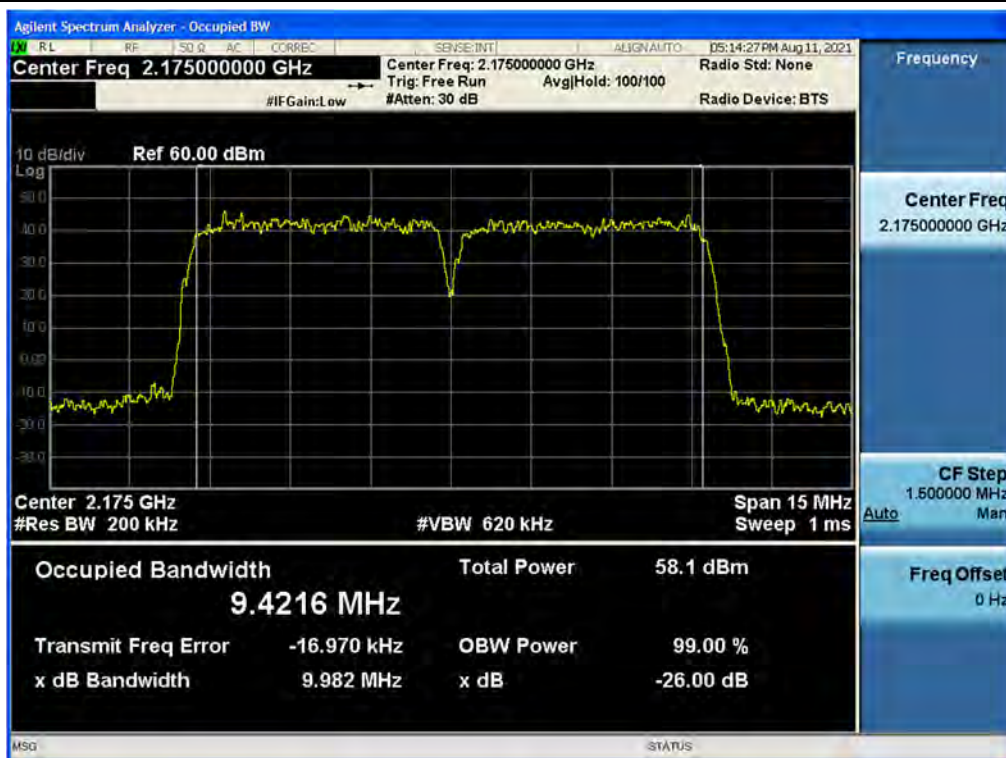
Antenna 1 / (4 Port) B2 LTE 5 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High



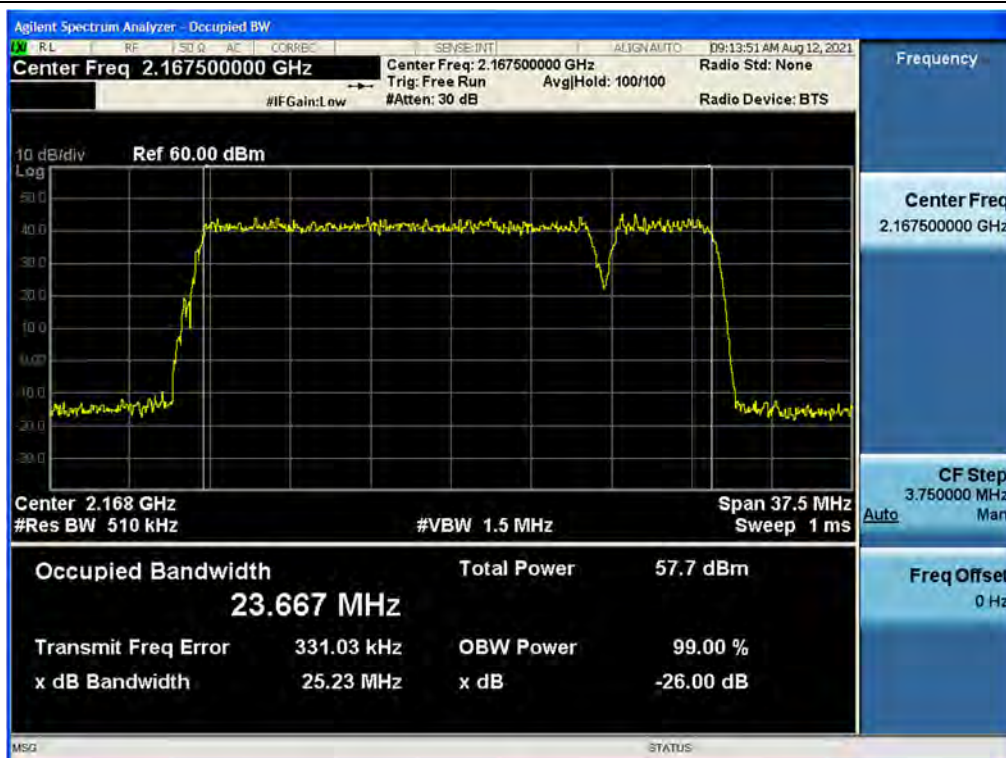
Antenna 1 / (4 Port) B2 LTE 10 MHz 1 Carrier + B2 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



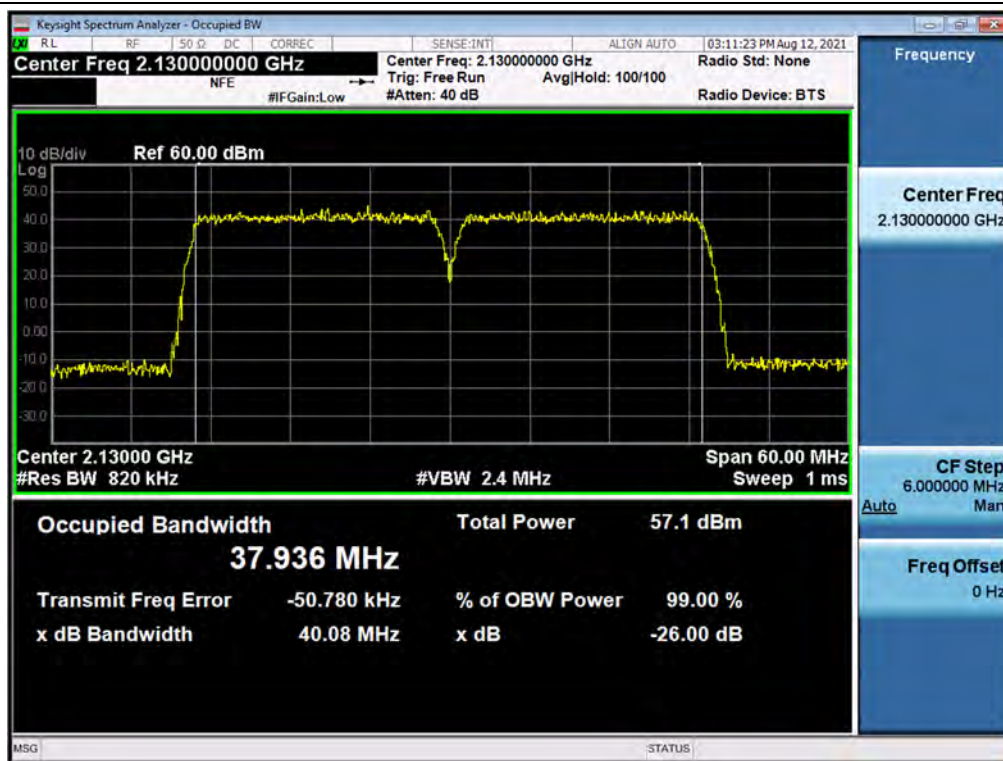
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



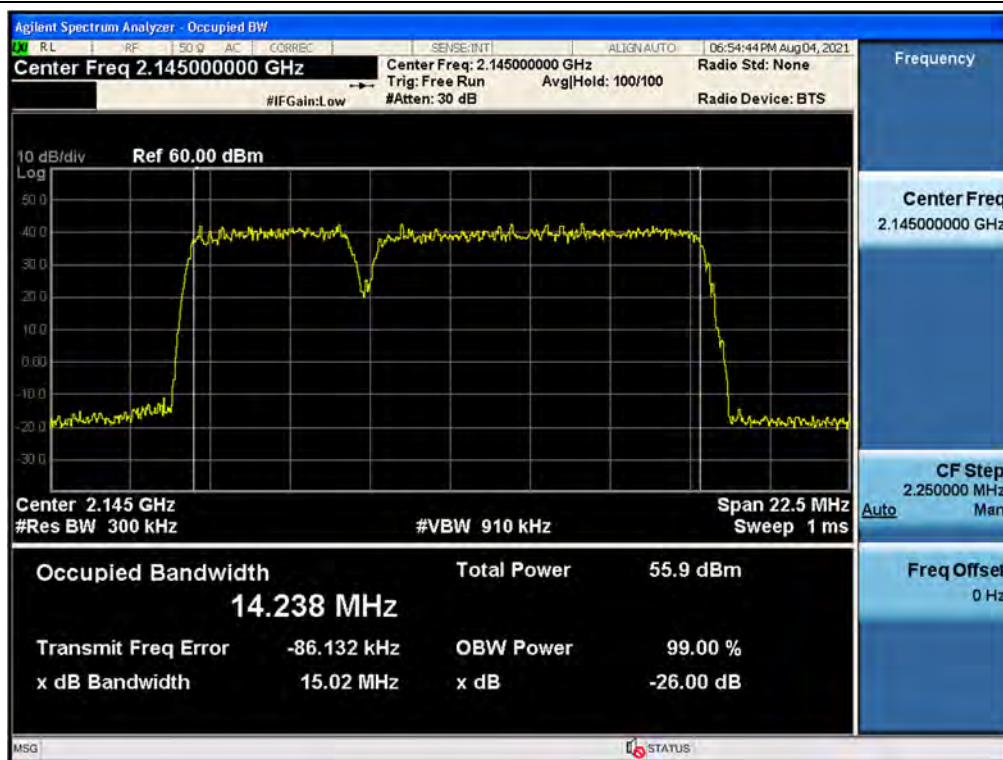
Antenna 0 / (2 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



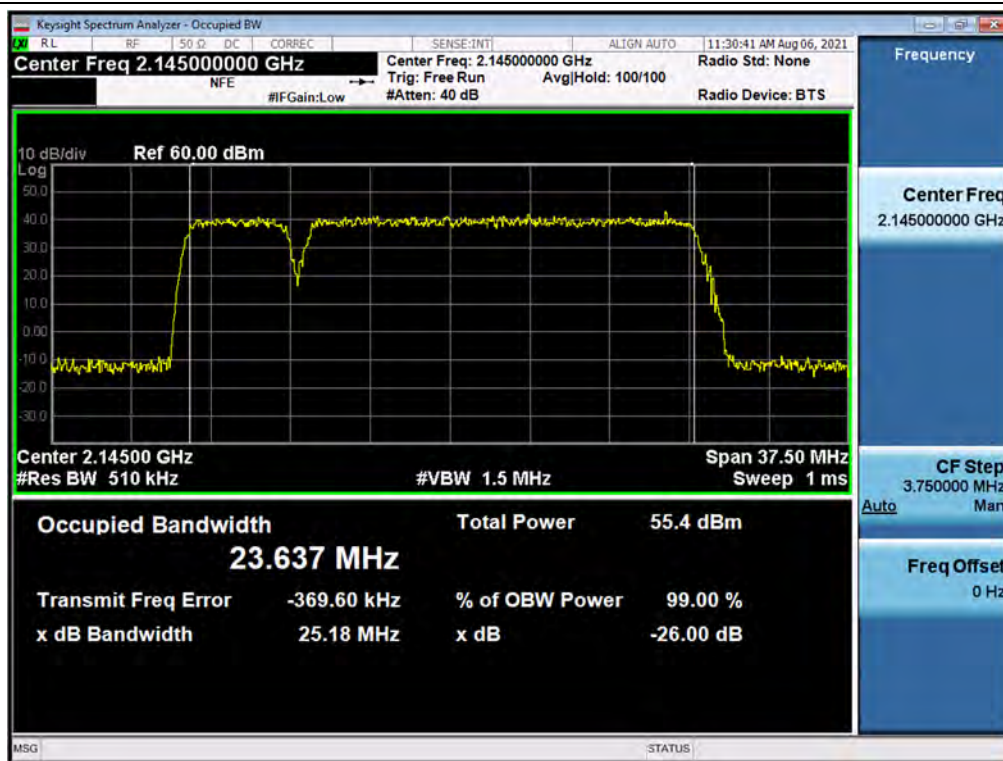
Antenna 1 / (2 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Middle



Antenna 2 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle



Antenna 1 / (4 Port) B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / High

