



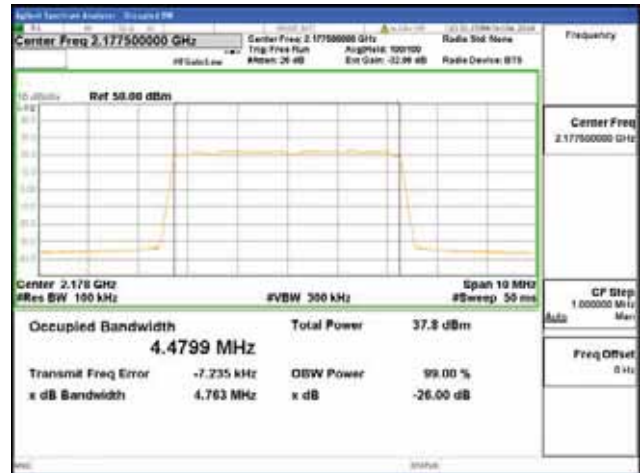
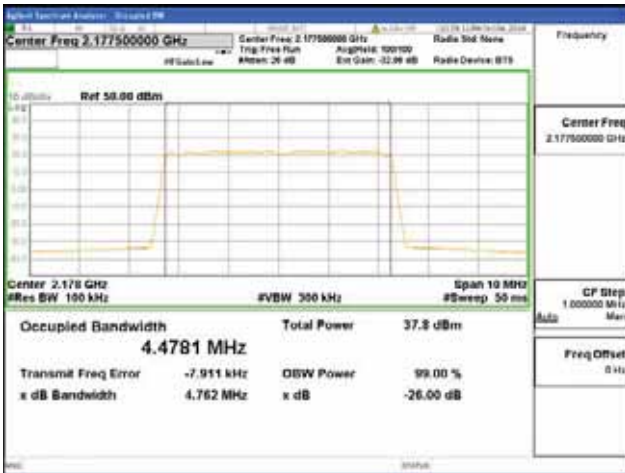
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Band 66, BW 5MHz + BW 10MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Top

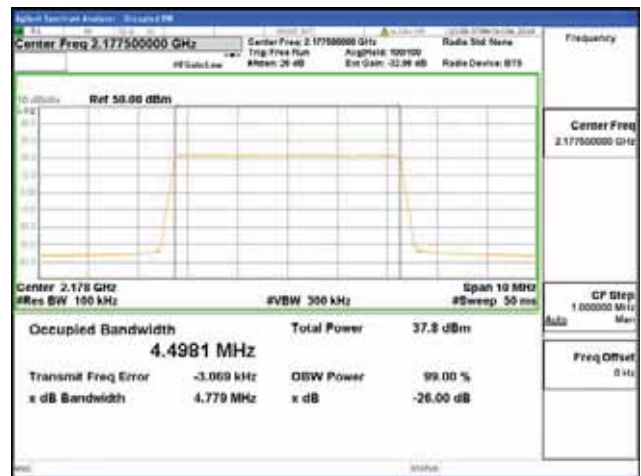
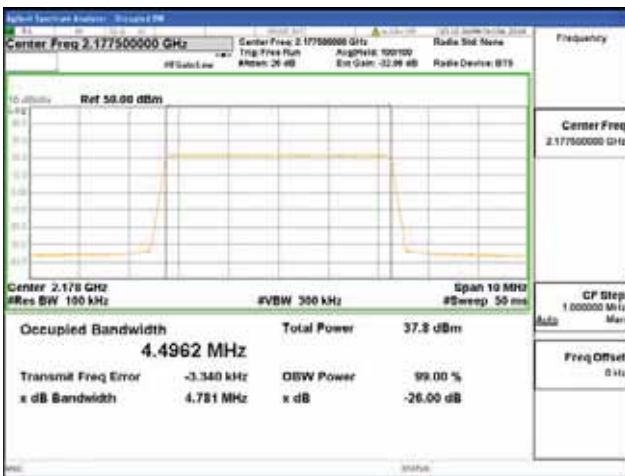
QPSK

16QAM



64QAM

256QAM





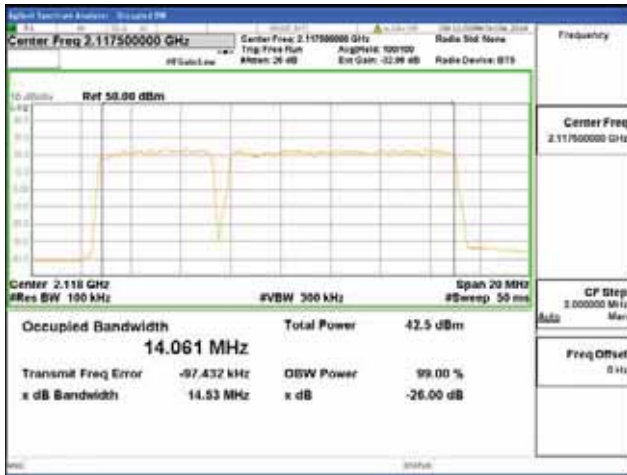
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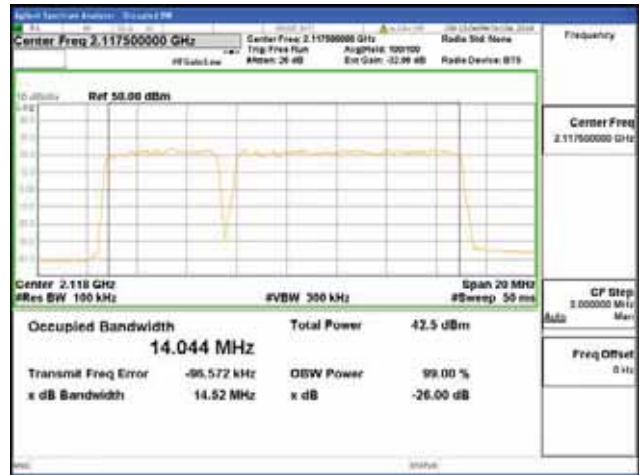
ANT 4

Band 66, BW 5MHz + BW 10MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Bottom

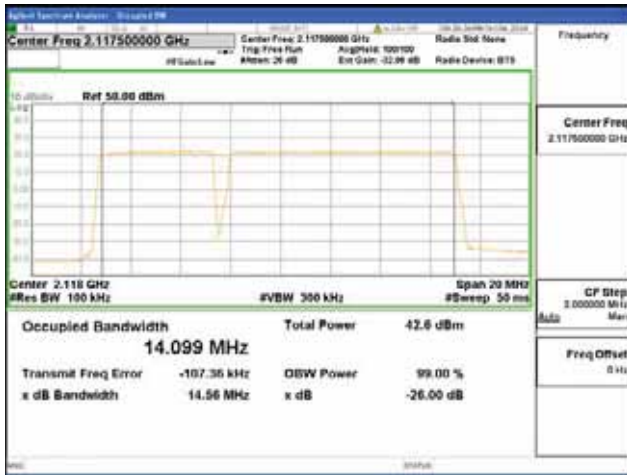
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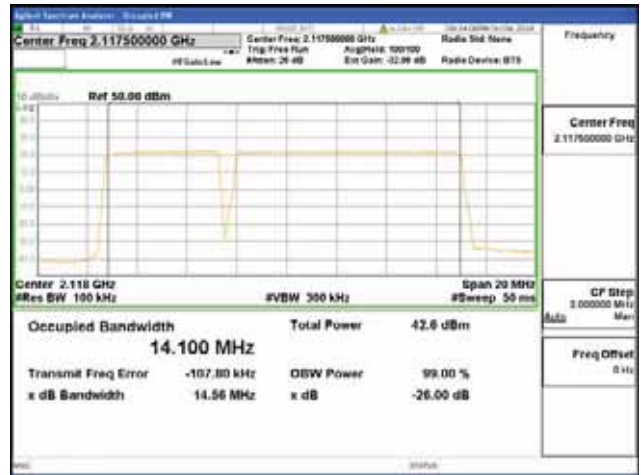
16QAM



64QAM



256QAM





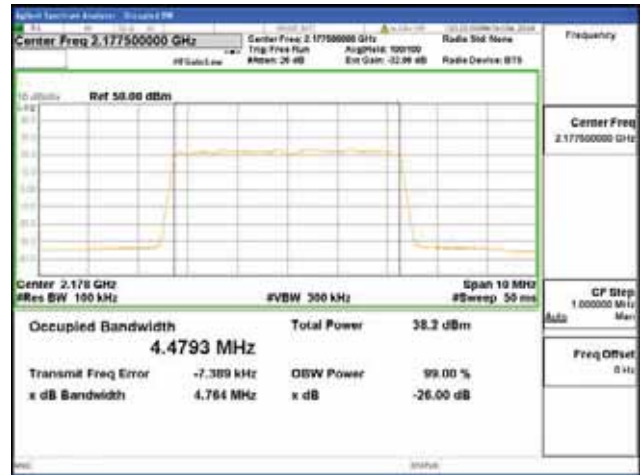
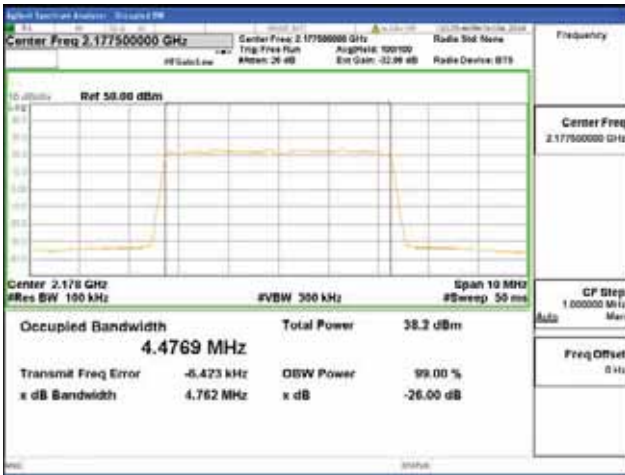
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Band 66, BW 5MHz + BW 10MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Top

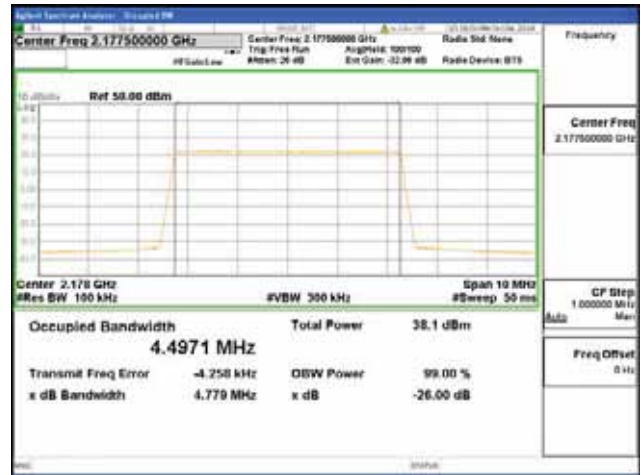
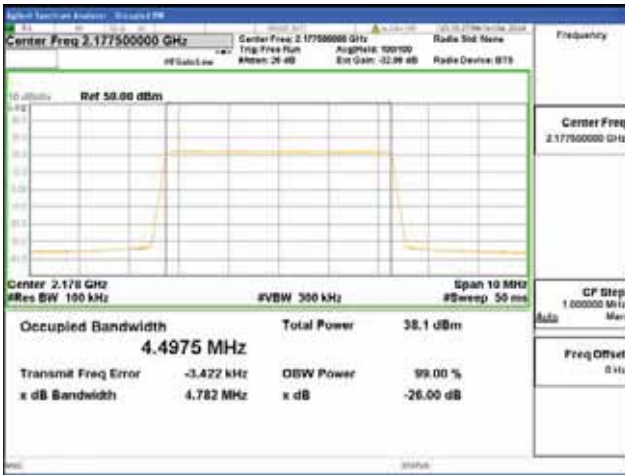
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16QAM



64QAM

256QAM





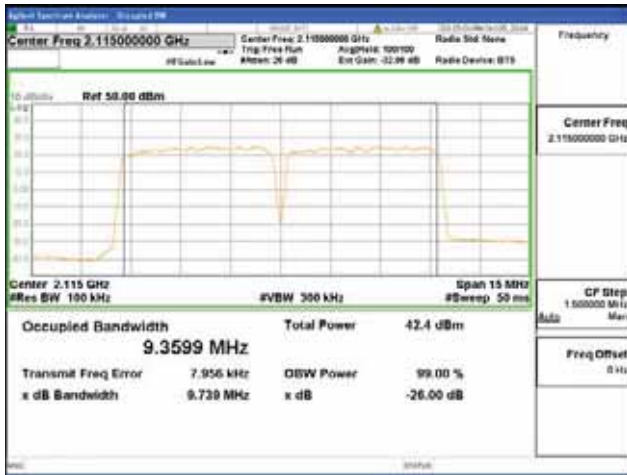
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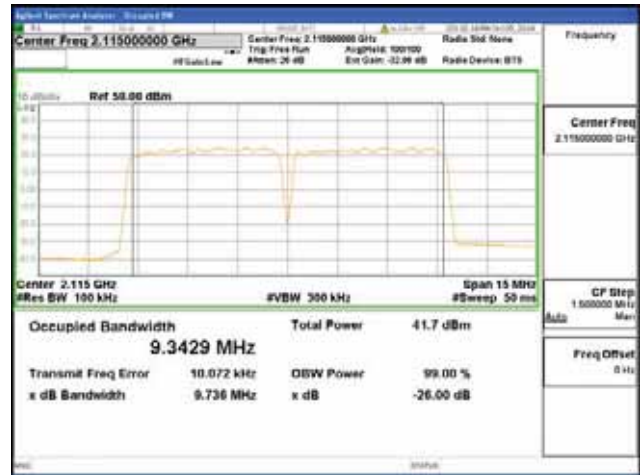
ANT 1

Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Bottom

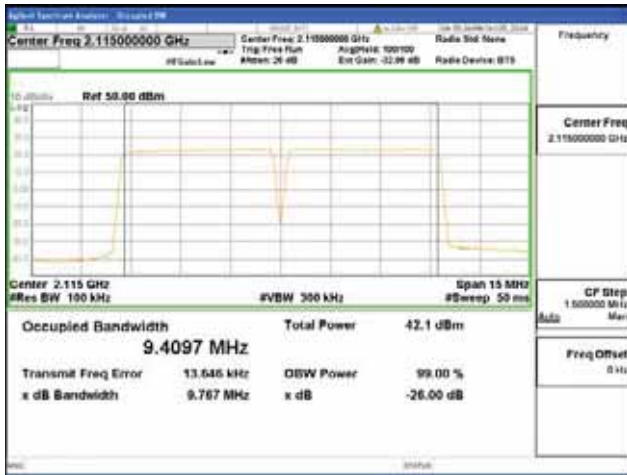
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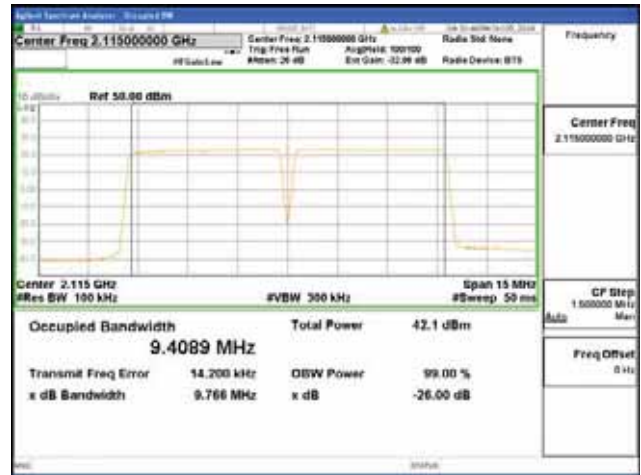
16QAM



64QAM



256QAM





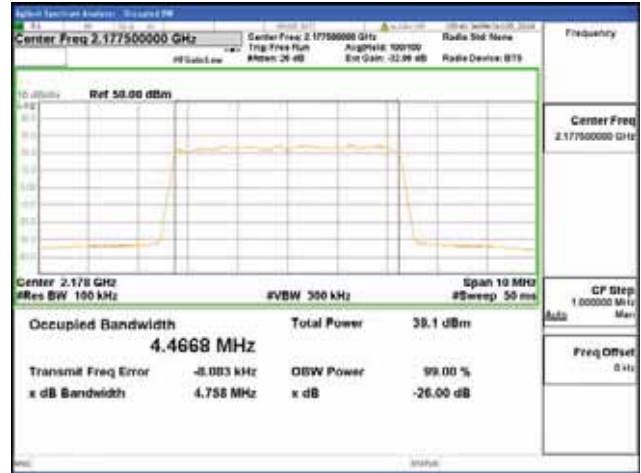
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Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Top

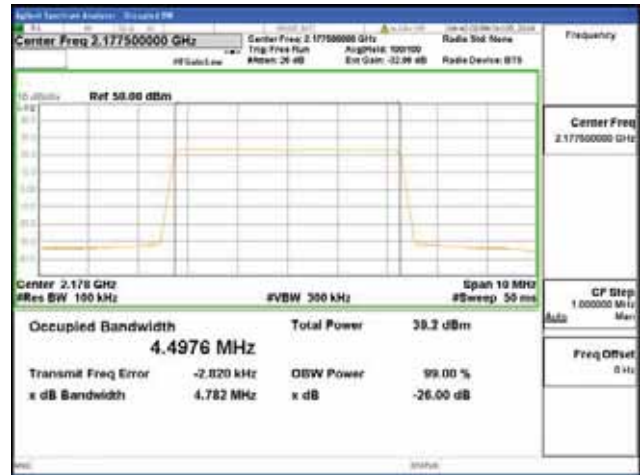
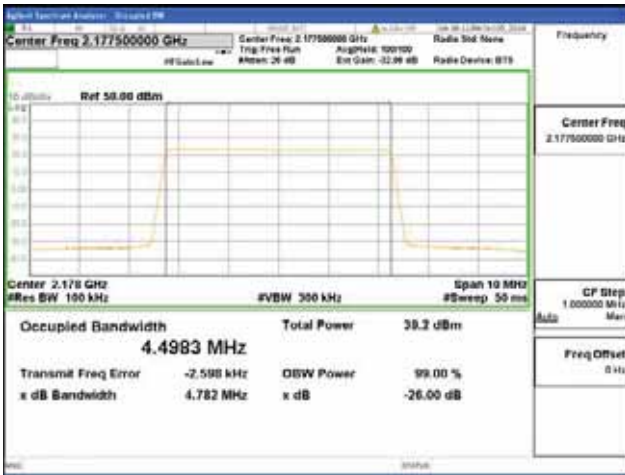
QPSK

16QAM



64QAM

256QAM





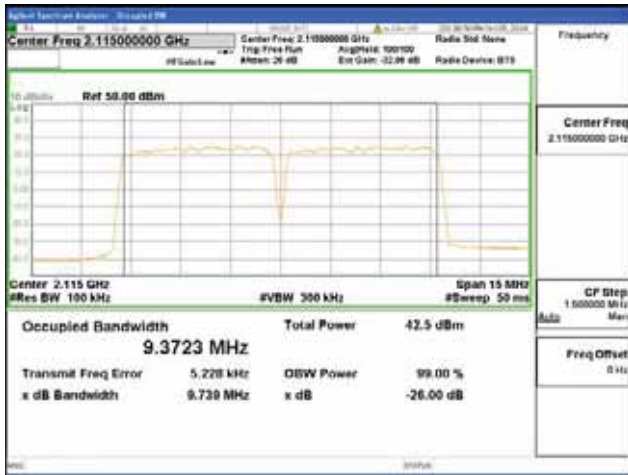
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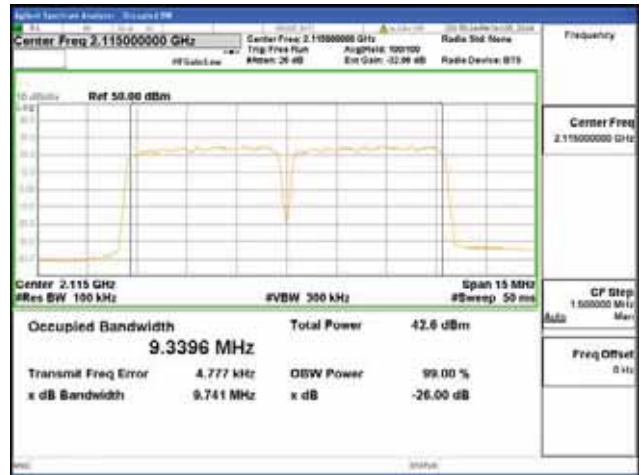
ANT 2

Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Bottom

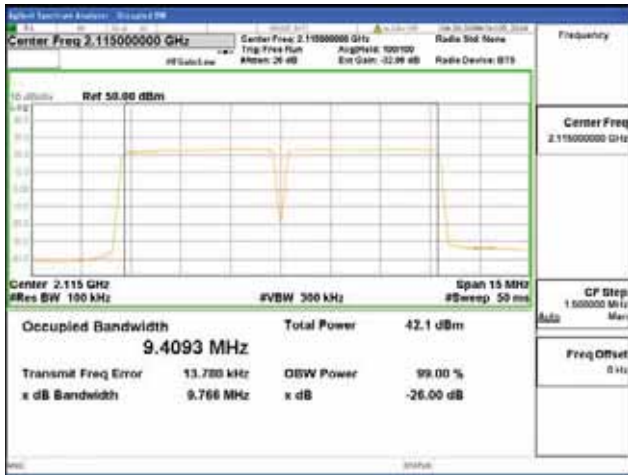
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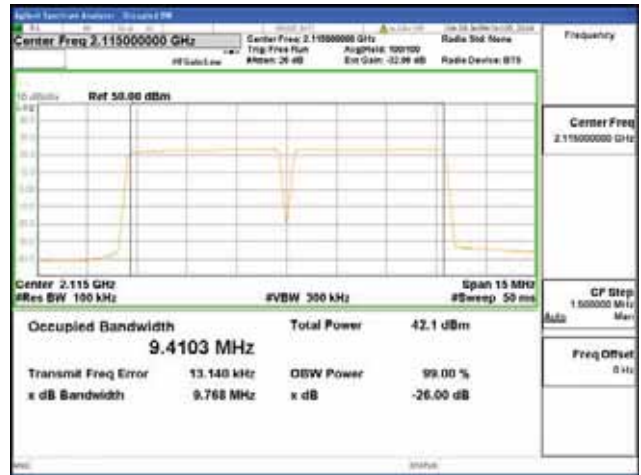
16QAM



64QAM



256QAM





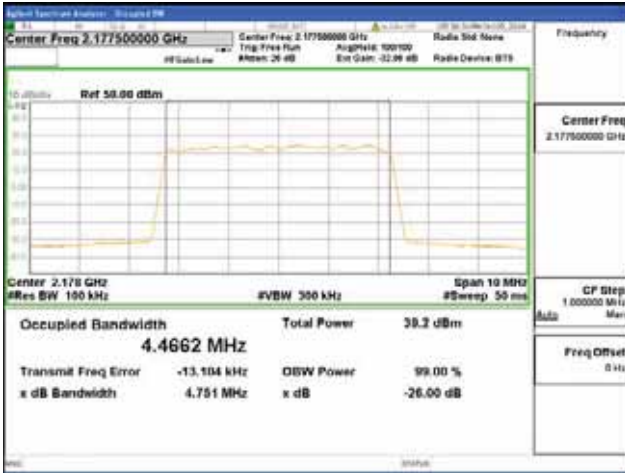
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Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Top

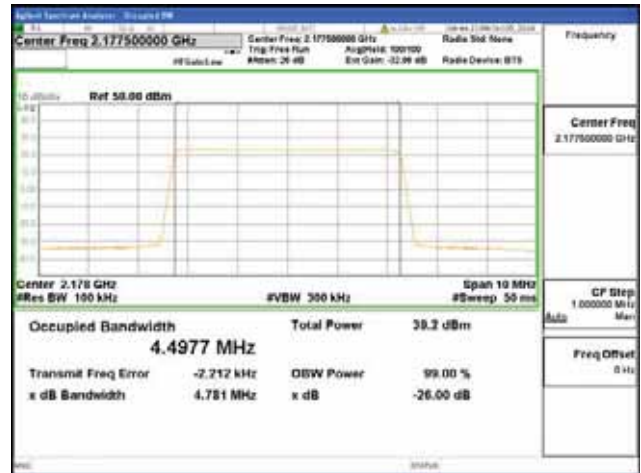
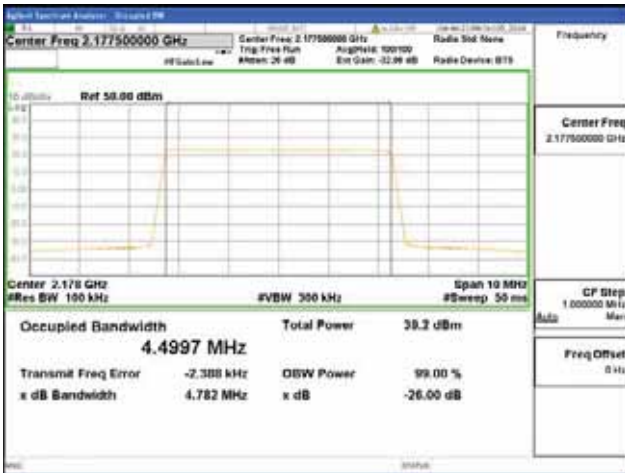
QPSK

16QAM



64QAM

256QAM





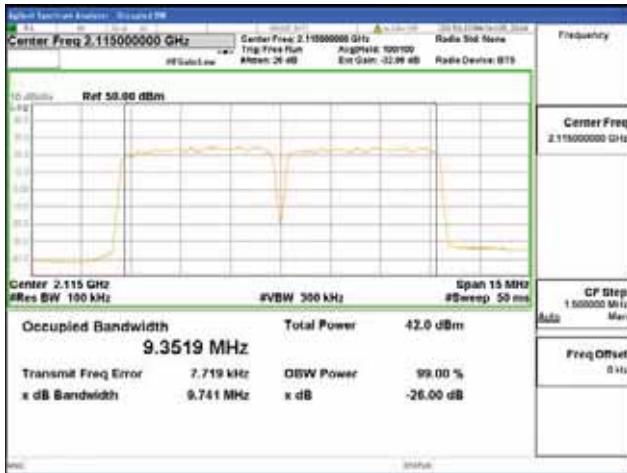
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ANT 3

Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Bottom

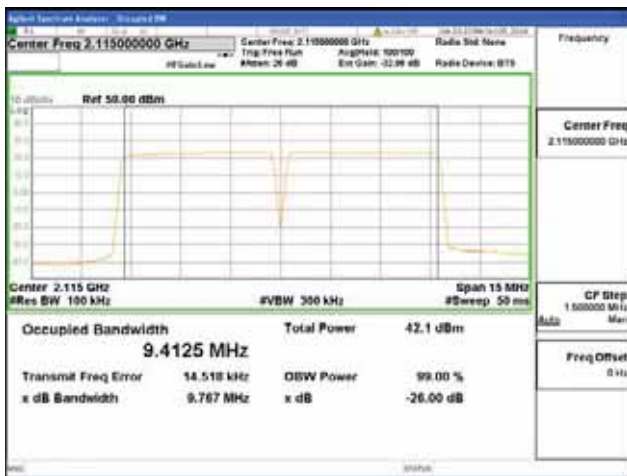
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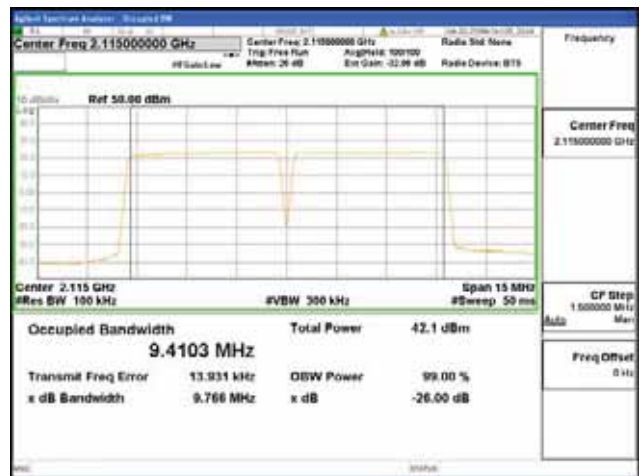
16QAM



64QAM



256QAM





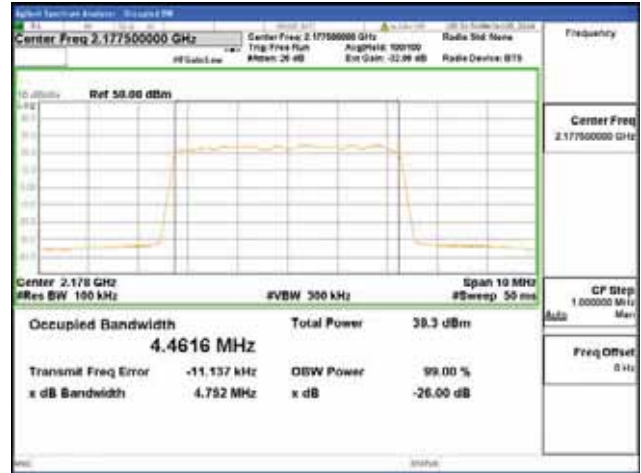
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Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Top

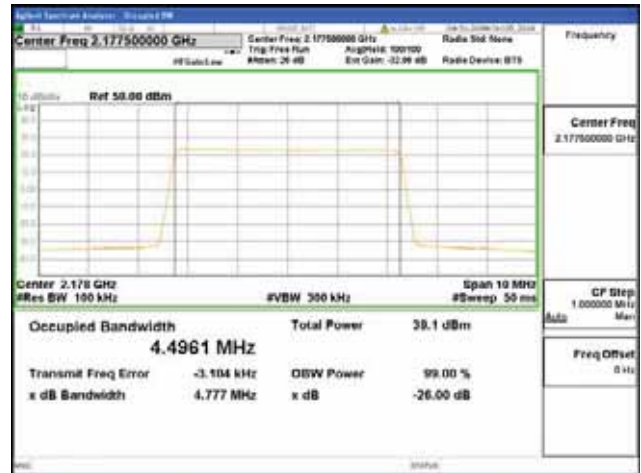
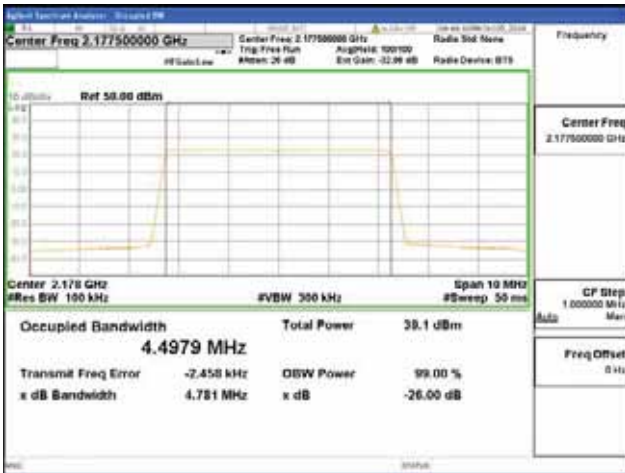
QPSK

16QAM



64QAM

256QAM





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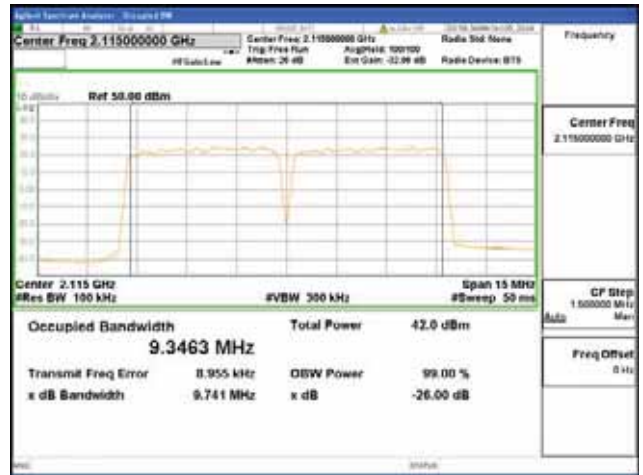
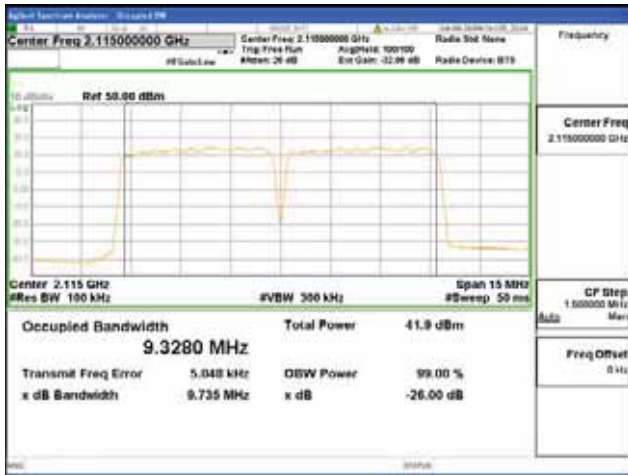
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ANT 4

Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Bottom

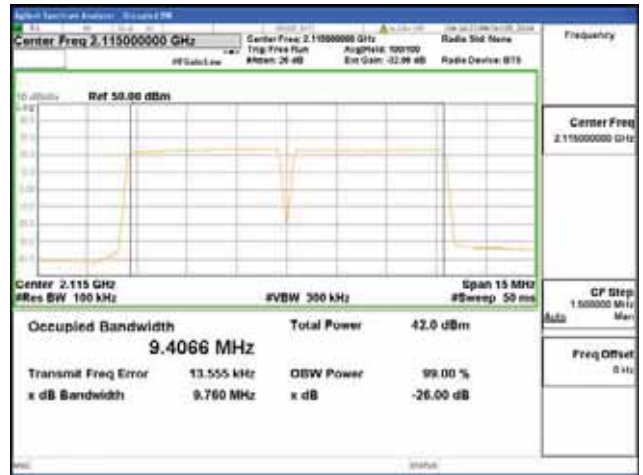
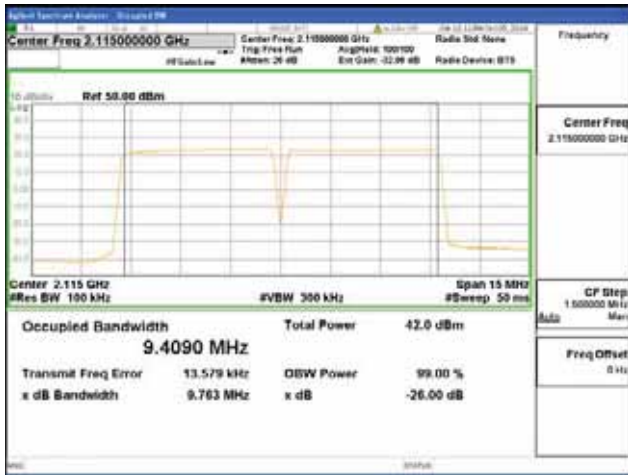
QPSK

16QAM



64QAM

256QAM



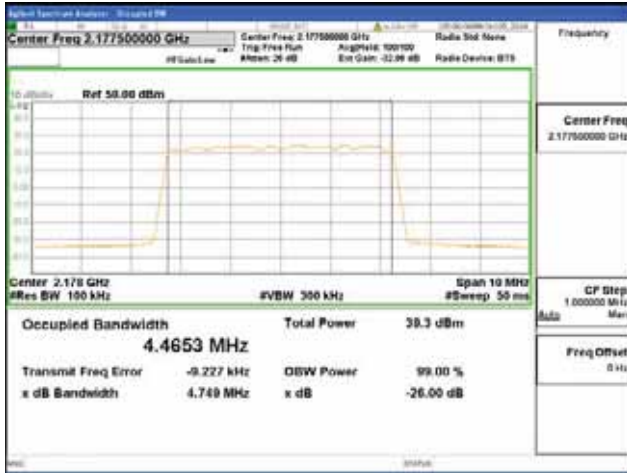


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Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier(Non-Contiguous), 4TX, Top

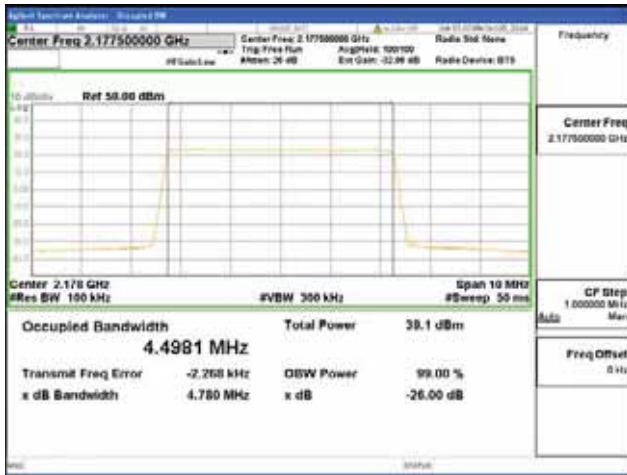
QPSK



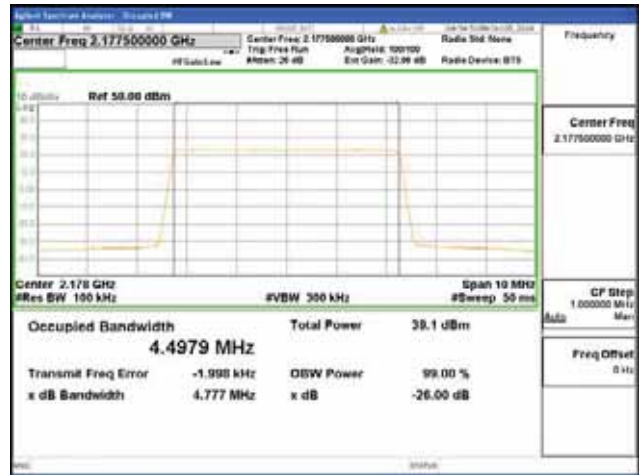
16QAM



64QAM



256QAM



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6. Spurious Emission at Antenna Terminal

§ 27.53 Emission limitations for Broadband PCS equipment

The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

(b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§ 27.53 Emission limits

(h) AWS emission limits—(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

(3) Measurement procedure. (i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(ii) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges, both upper and lower, as the design permits.

(iii) The measurements of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.



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Test Procedures :

The RF Output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.

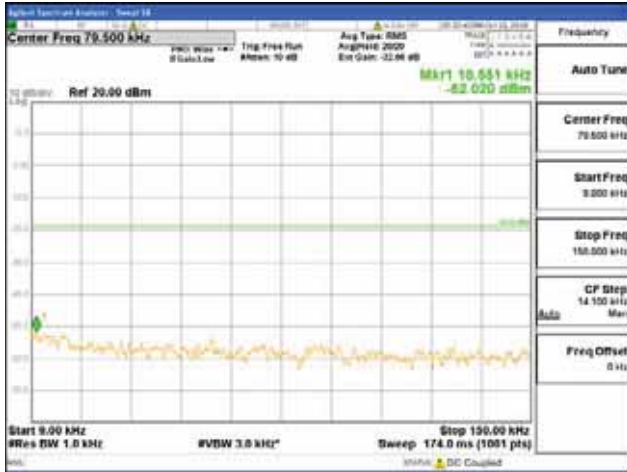
The resolution bandwidth of the spectrum analyzer was set at 100 kHz(below 1 GHz), 1 MHz(Above 1 GHz). Sufficient scans were taken to show any out of band emissions up to 10th harmonic.

Notes :

1. In 9 kHz - 10 kHz and 150 kHz - 30 MHz bands, RBW was reduced to 1% and 10% of the reference bandwidth for measuring unwanted emission level(typically, 100 kHz if the authorized frequency band is below 1 GHz) and power was integrated.(1% = +20 dB, 10% = +10 dB)

Spurious Emissions at antenna terminal
ANT 1
Band 66, BW 5MHz, Single 1 carrier, 4TX, Bottom
[QPSK]

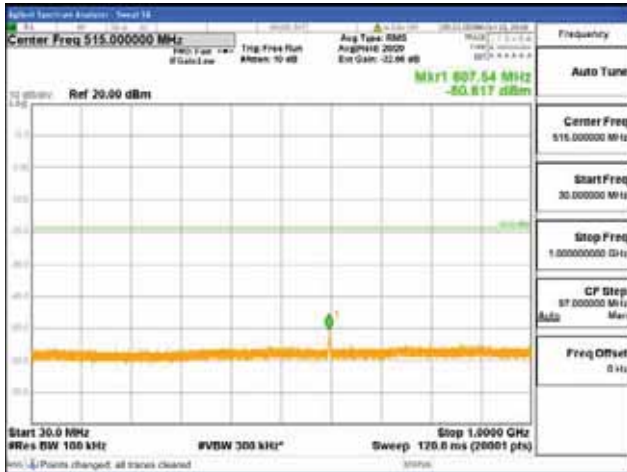
9 kHz - 150 kHz



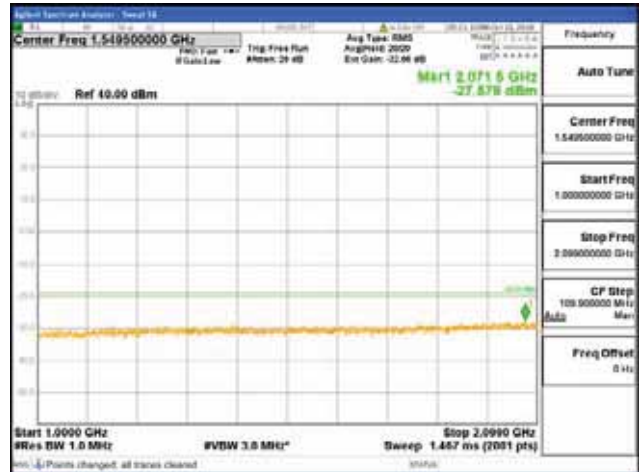
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

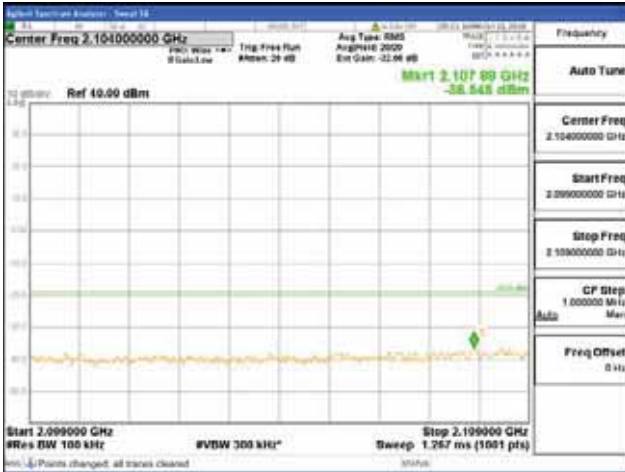




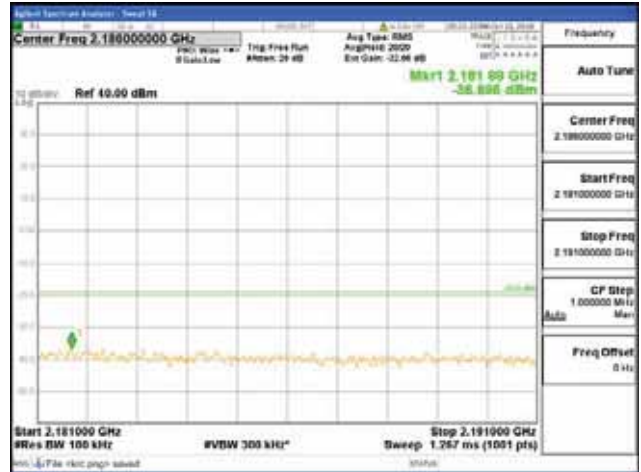
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



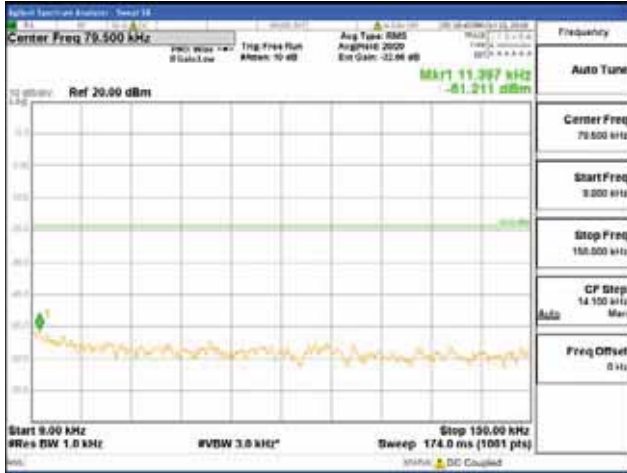


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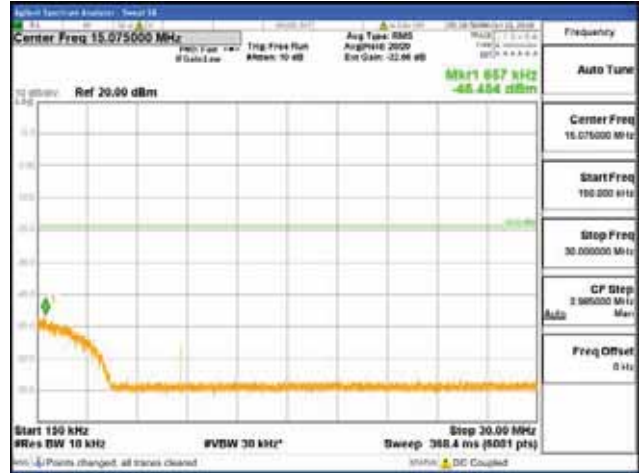
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[16QAM]

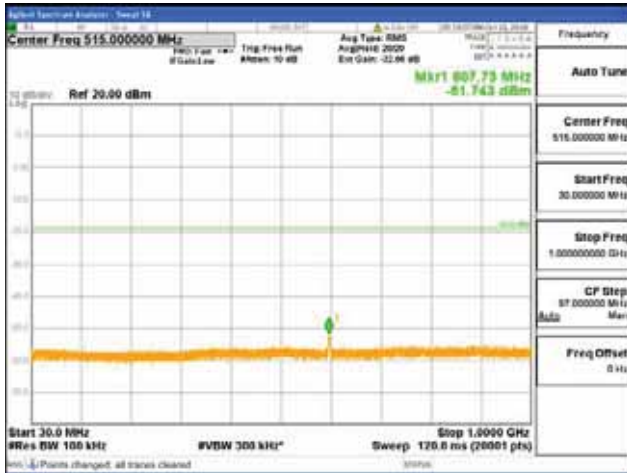
9 kHz - 150 kHz



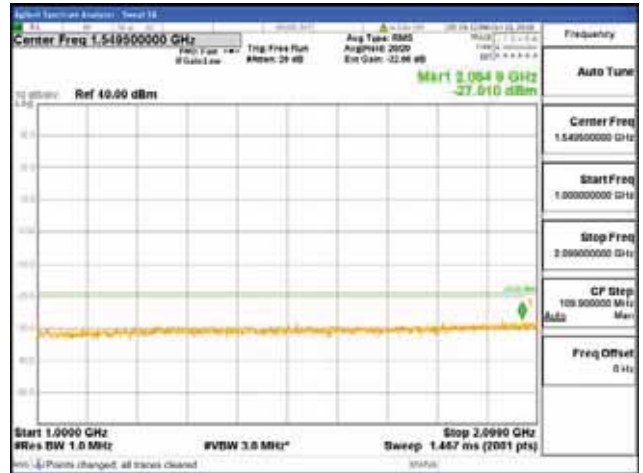
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

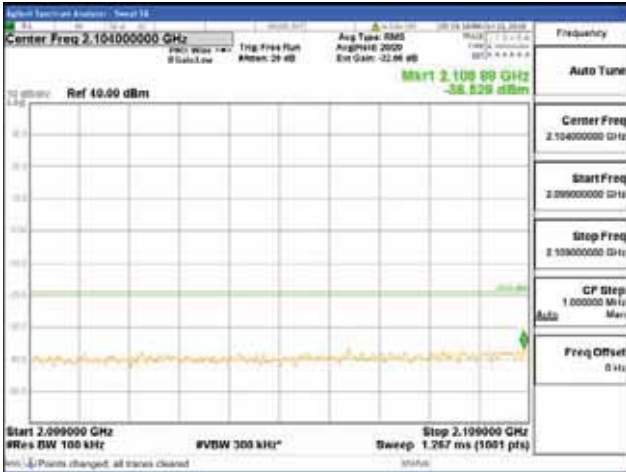




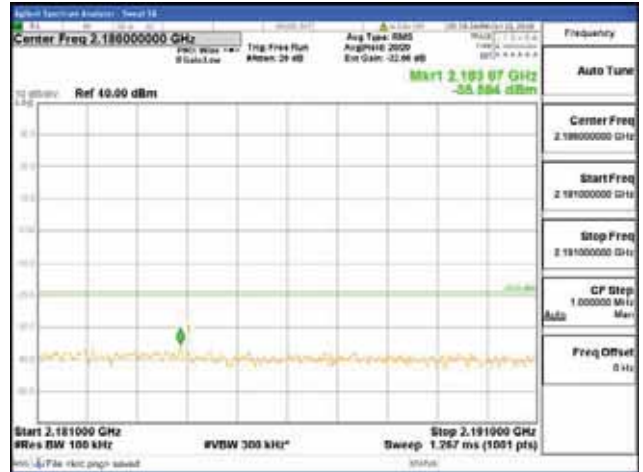
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



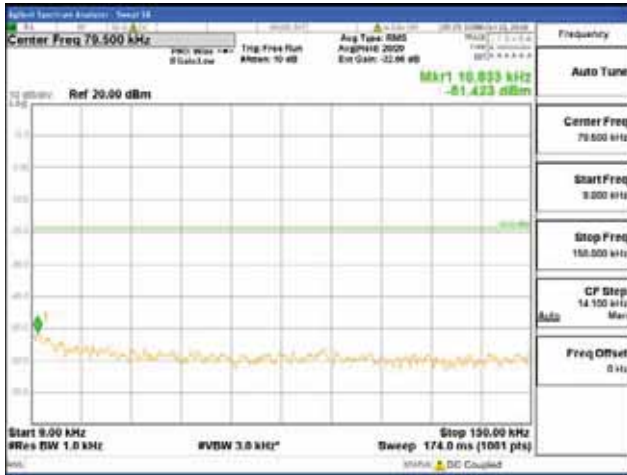


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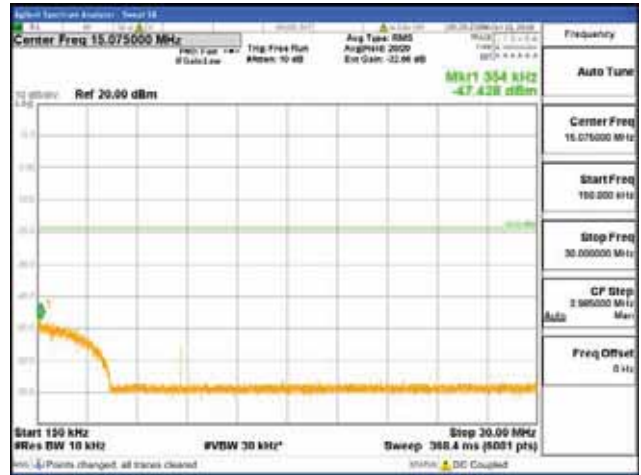
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[64QAM]

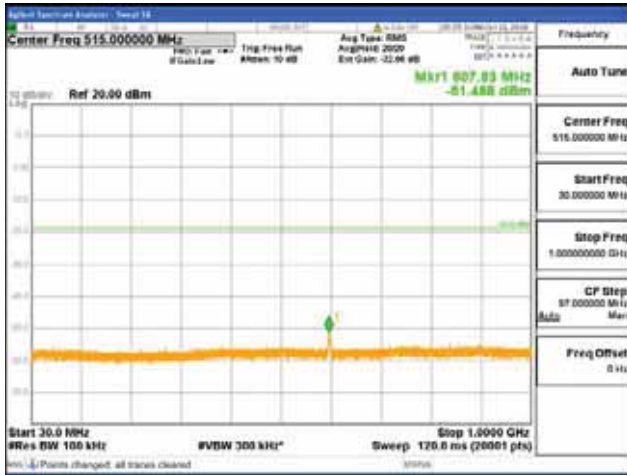
9 kHz - 150 kHz



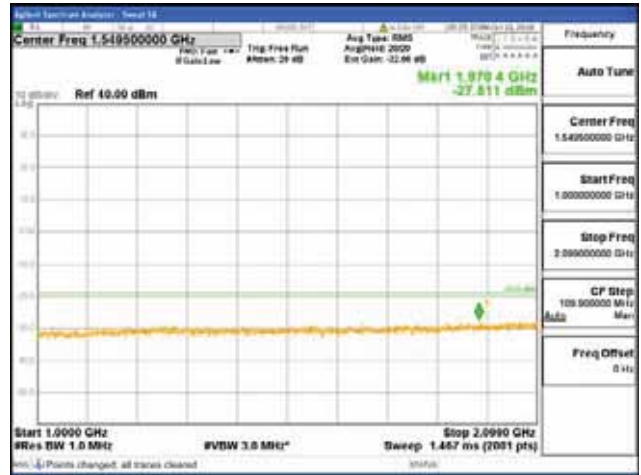
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

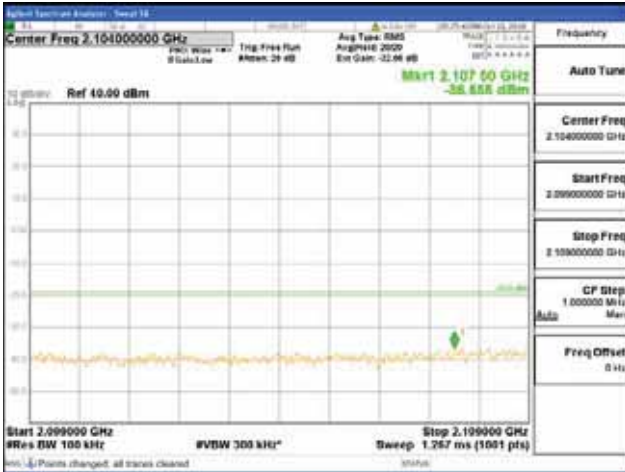




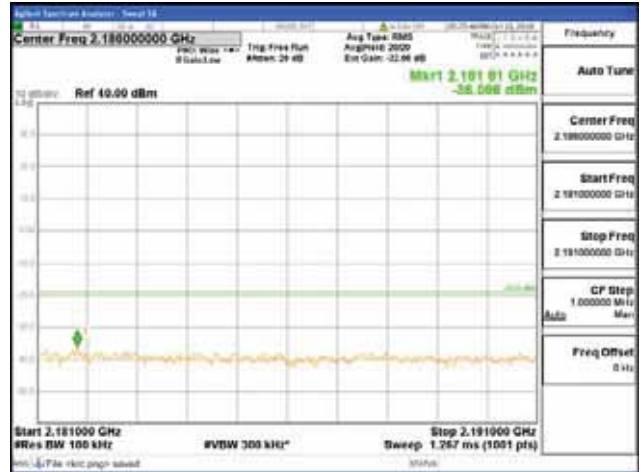
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2099 MHz - 2109 MHz



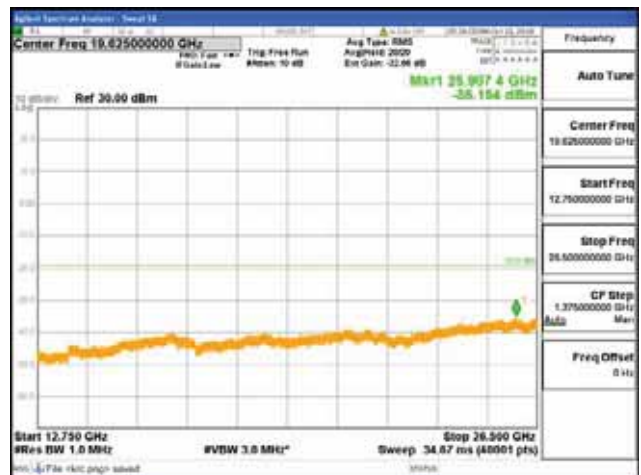
2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



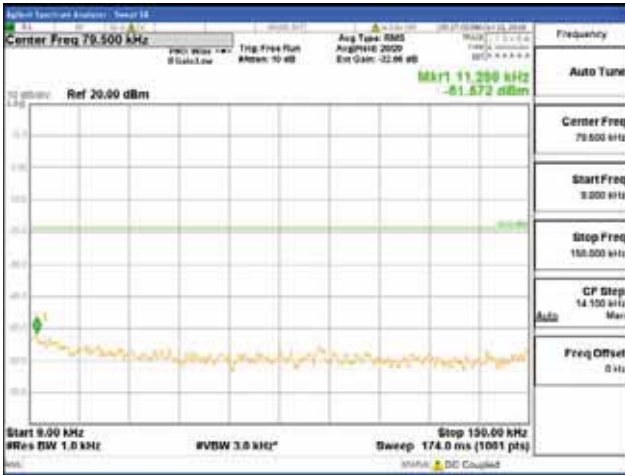


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[256QAM]

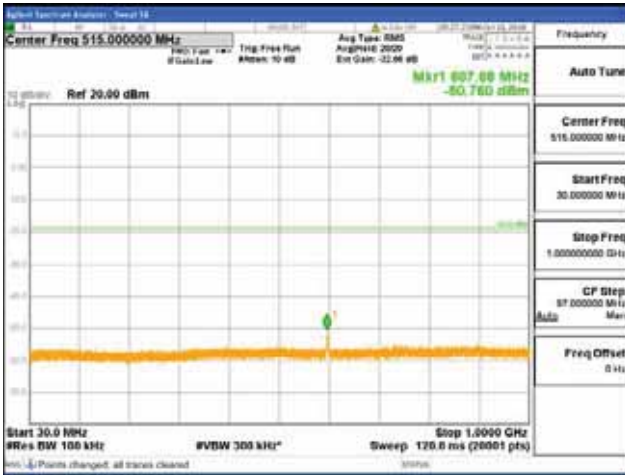
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

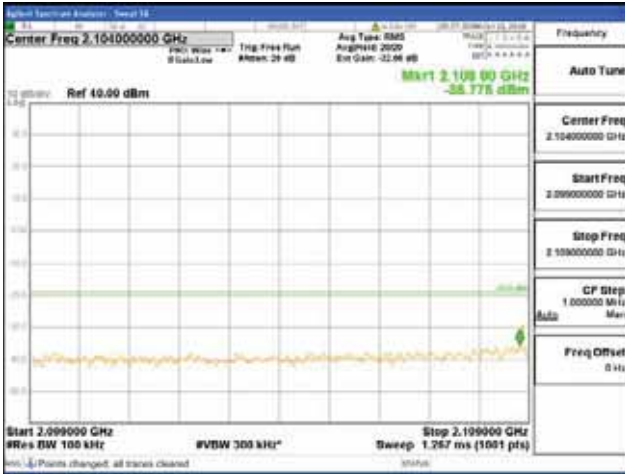




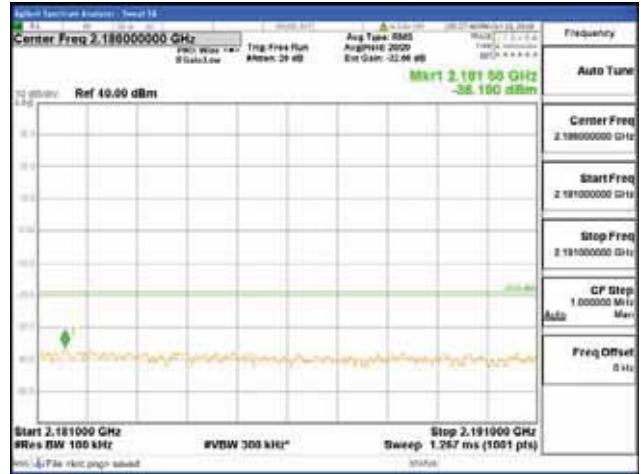
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



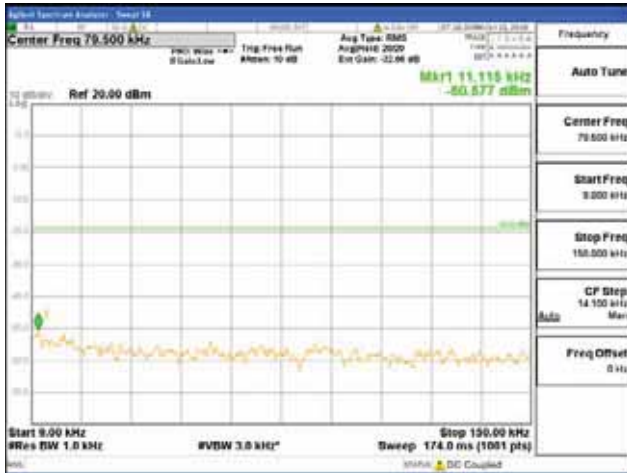


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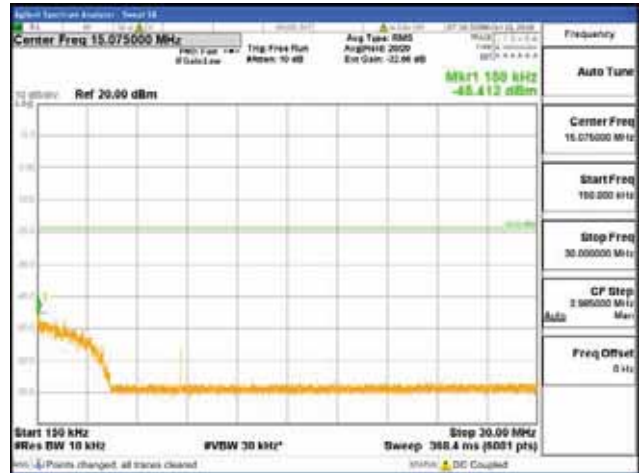
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Band 66, BW 5MHz, Single 1 carrier, 4TX, Middle
[QPSK]

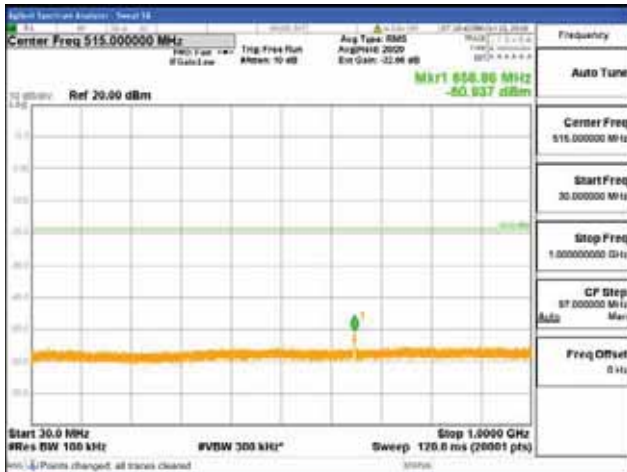
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

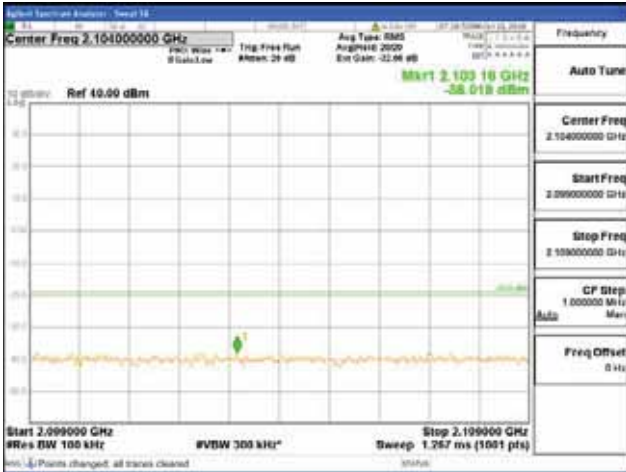




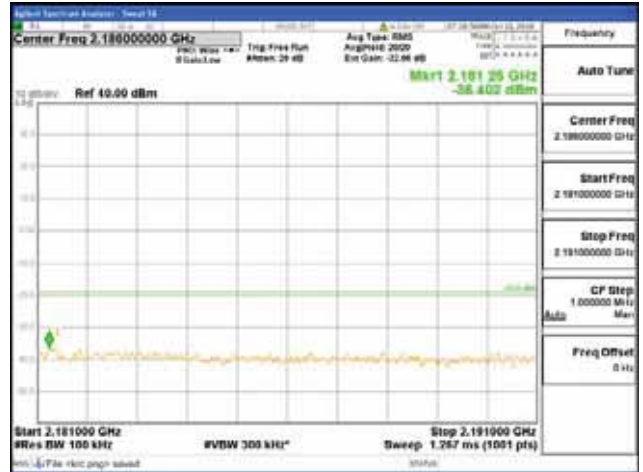
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz





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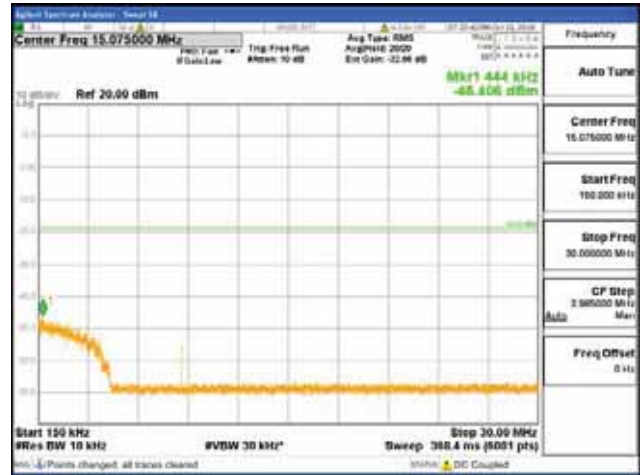
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[16QAM]

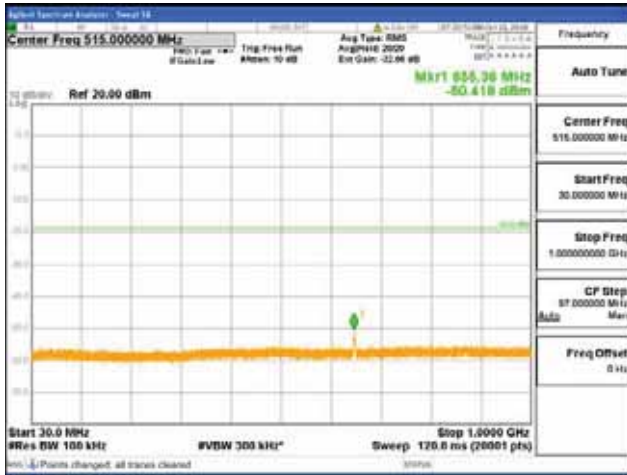
9 kHz - 150 kHz



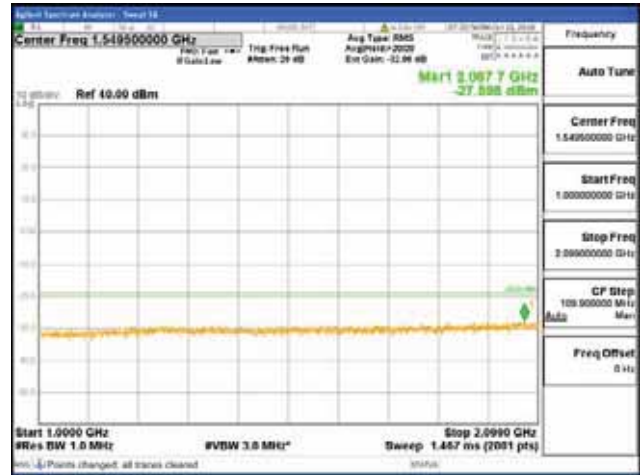
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz





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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



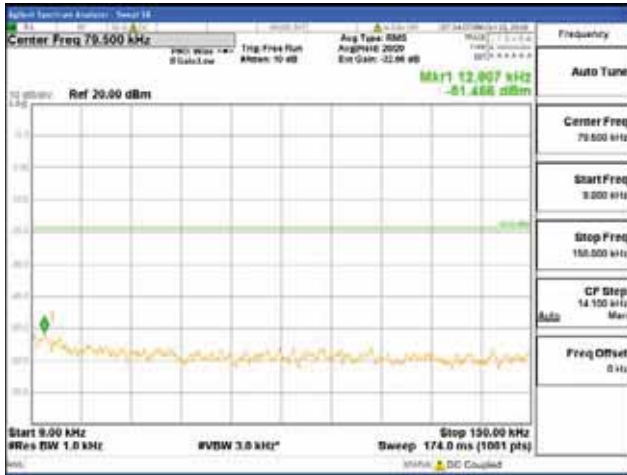


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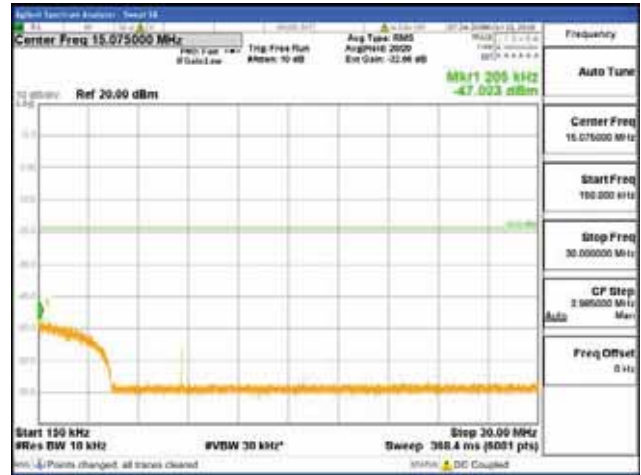
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[64QAM]

9 kHz - 150 kHz



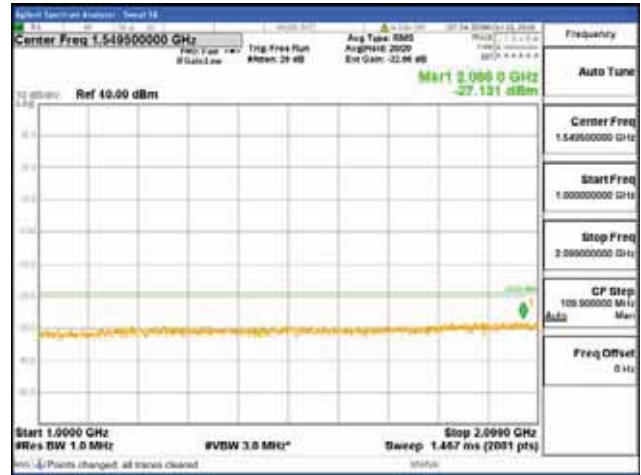
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

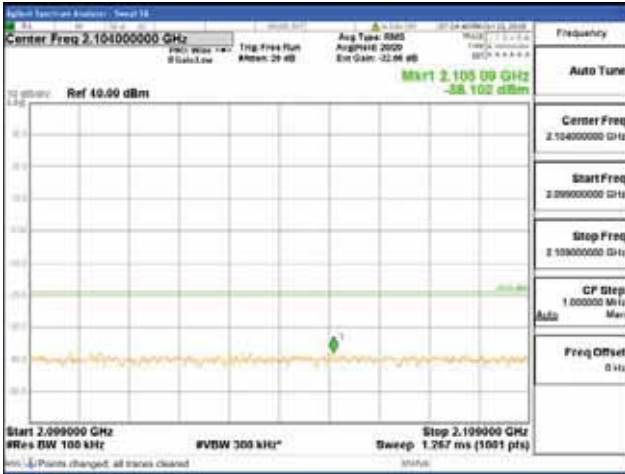




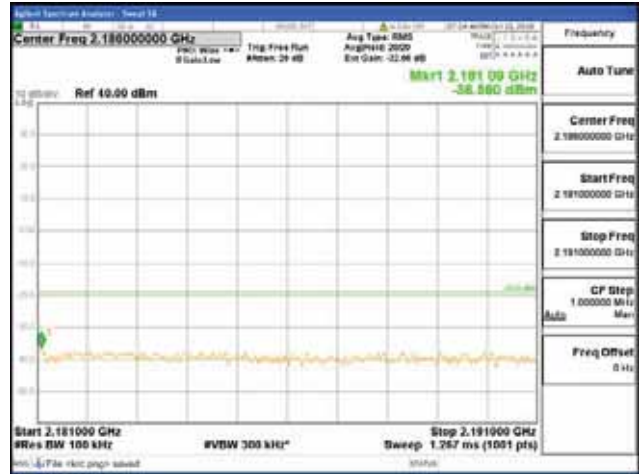
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



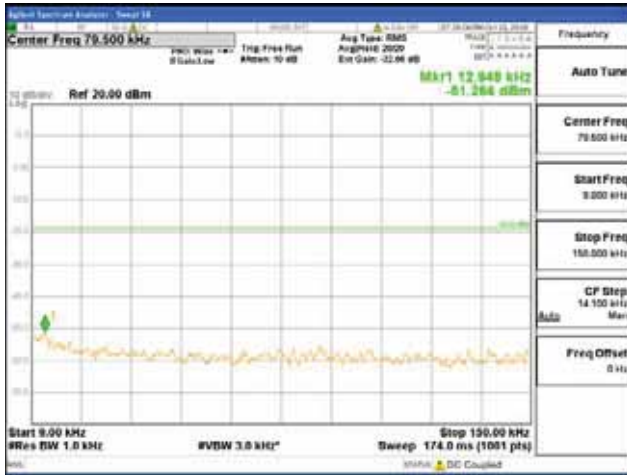


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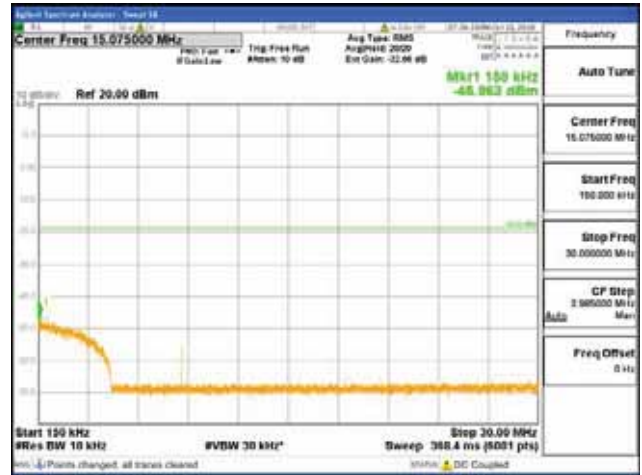
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[256QAM]

9 kHz - 150 kHz



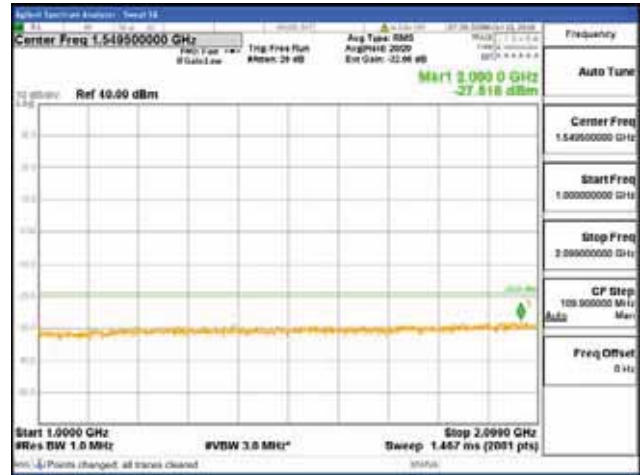
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

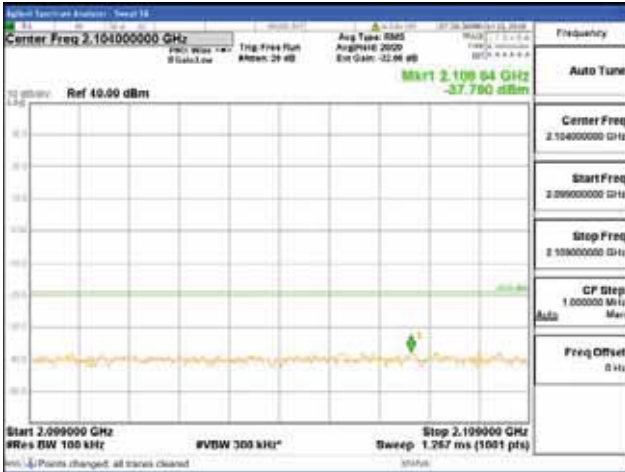




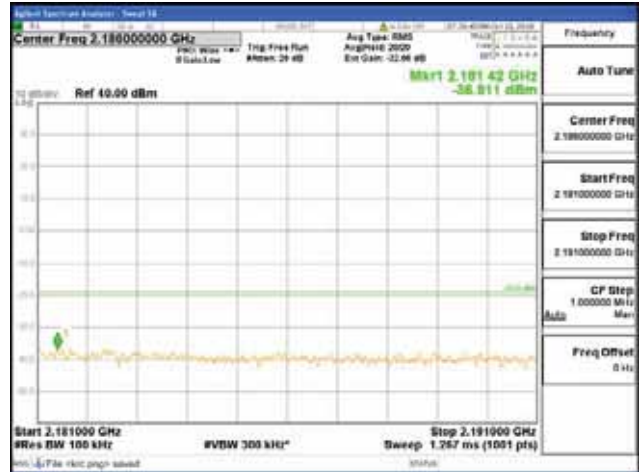
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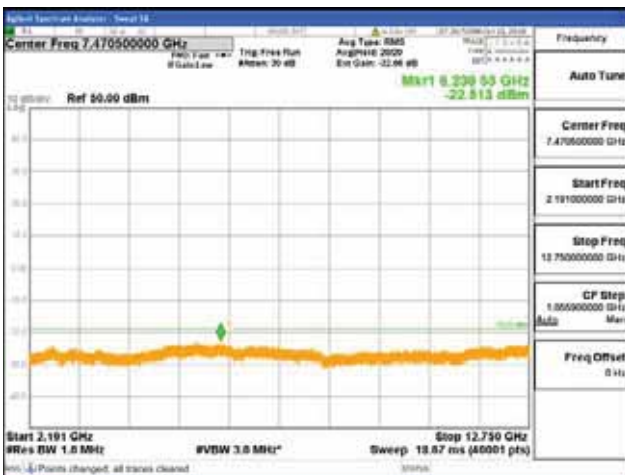
2099 MHz - 2109 MHz



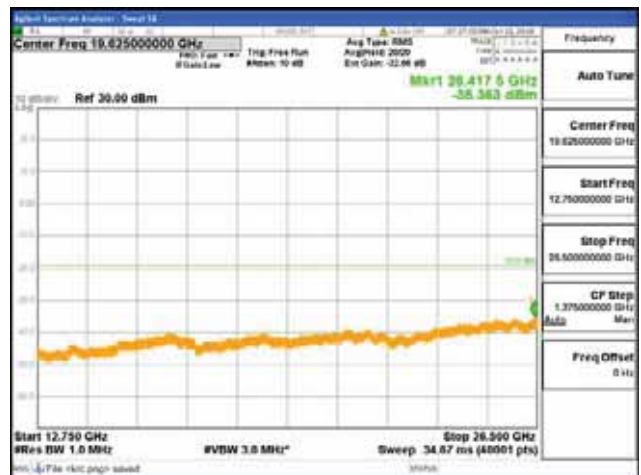
2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



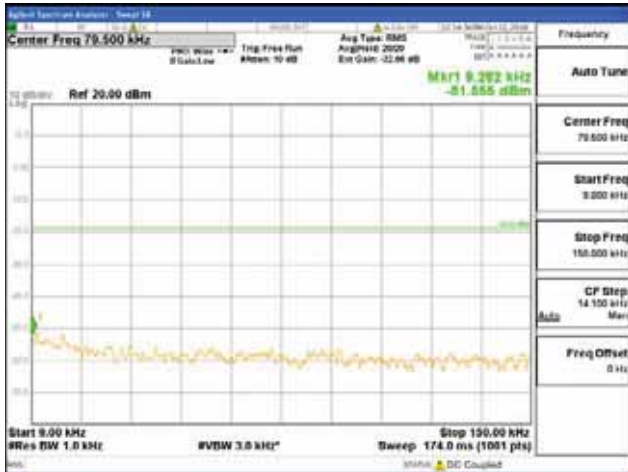


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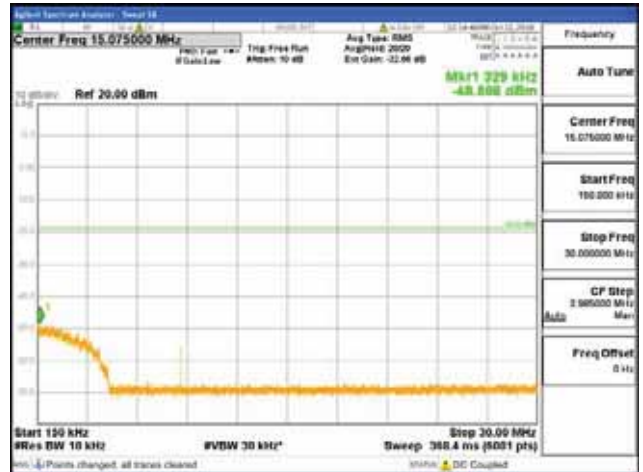
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Band 66, BW 5MHz, Single 1 carrier, 4TX, Top
 [QPSK]

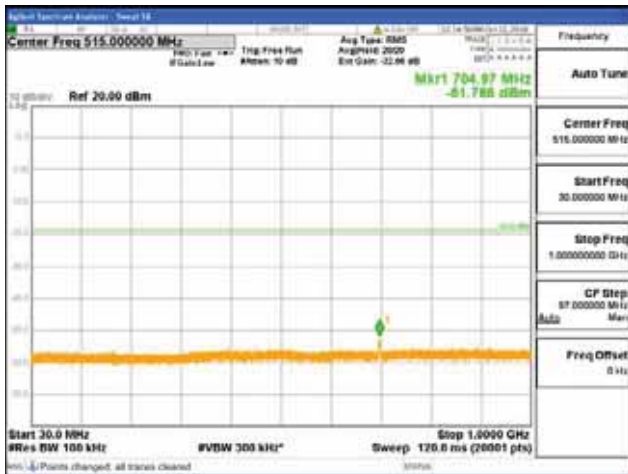
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

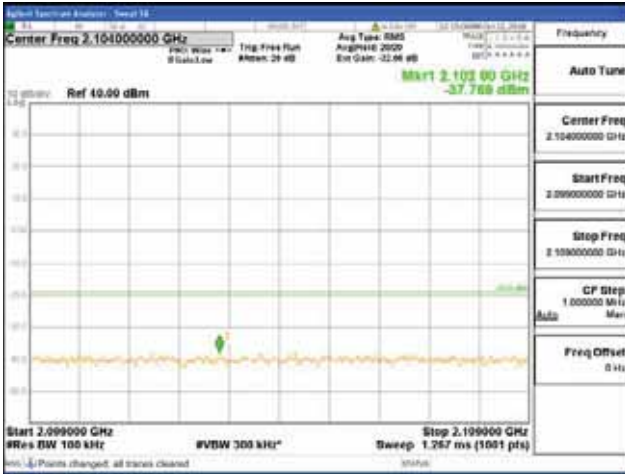




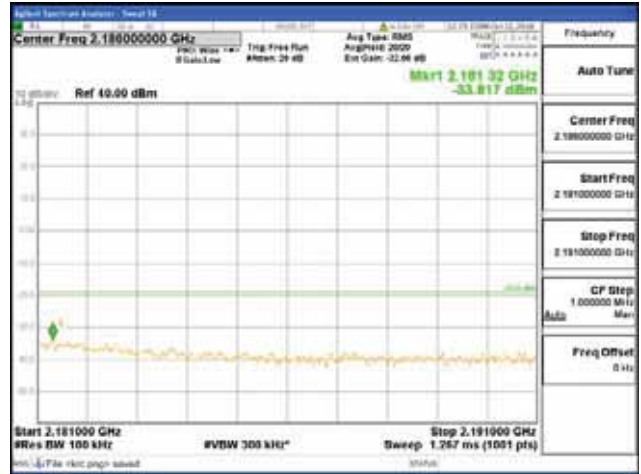
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



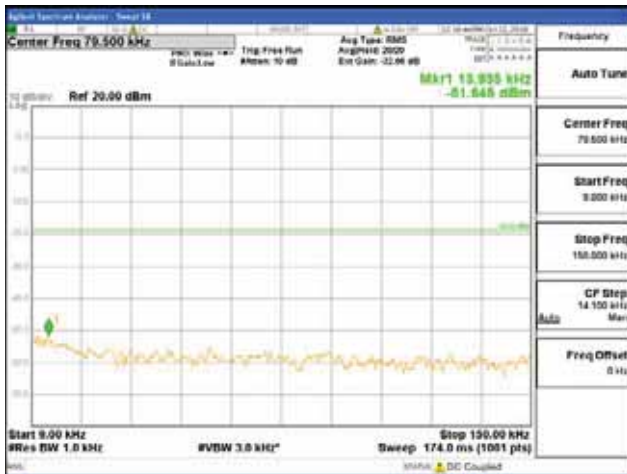


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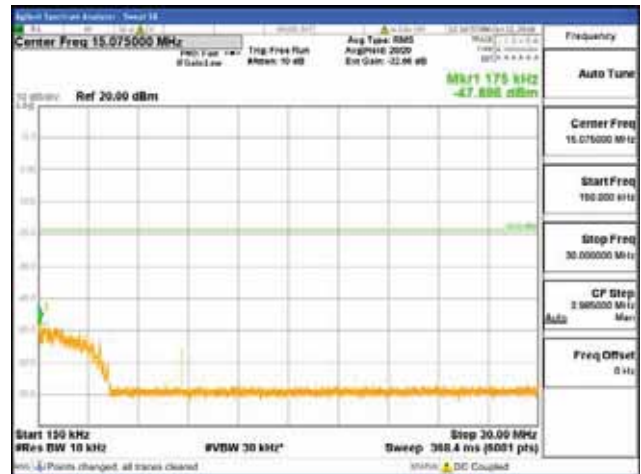
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[16QAM]

9 kHz - 150 kHz



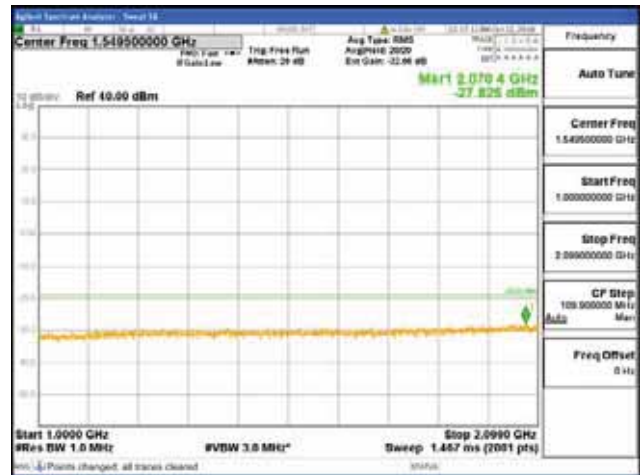
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz





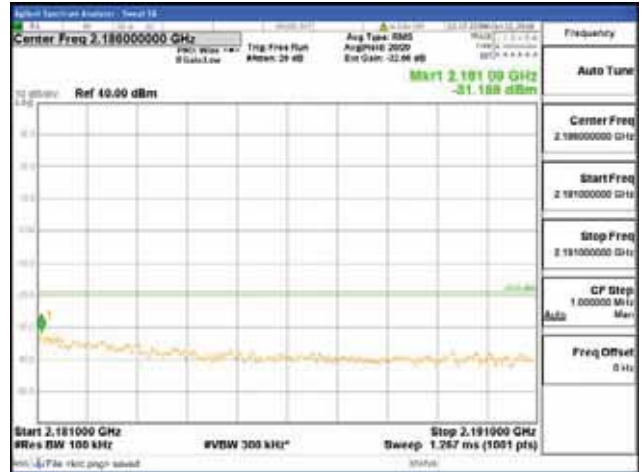
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



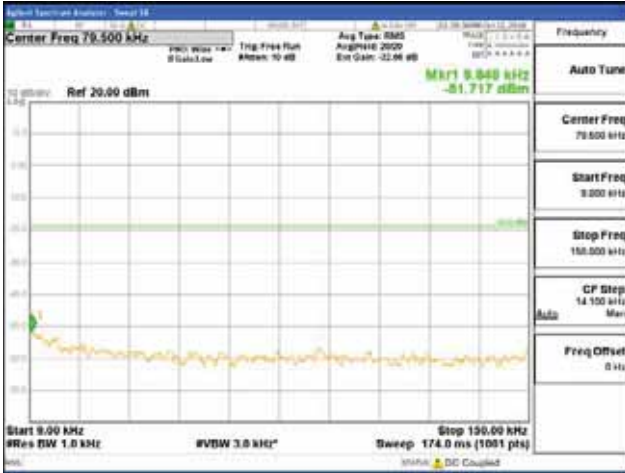


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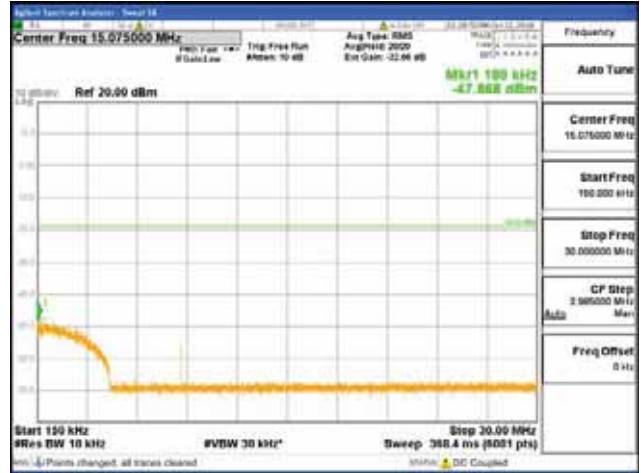
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[64QAM]

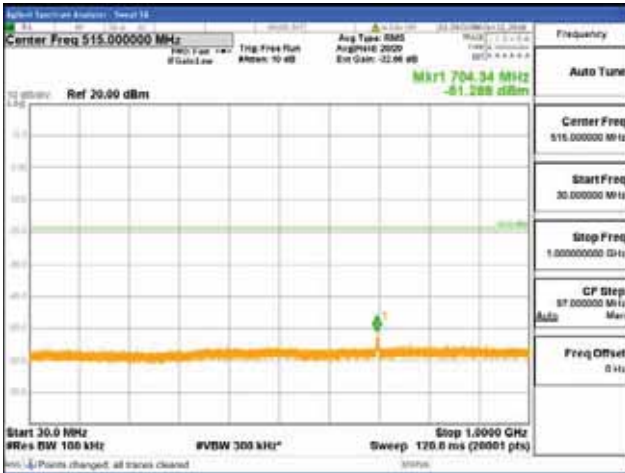
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

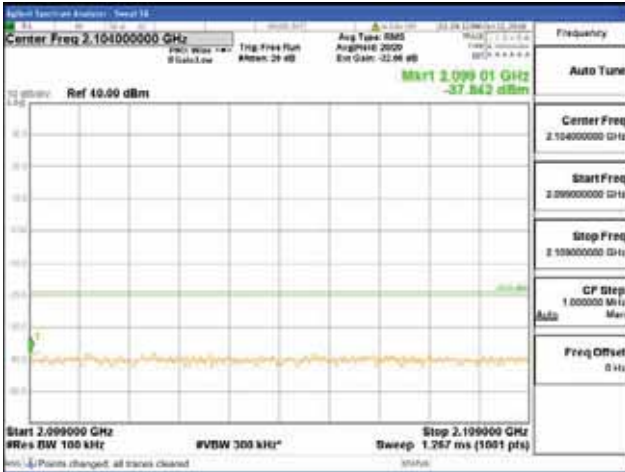




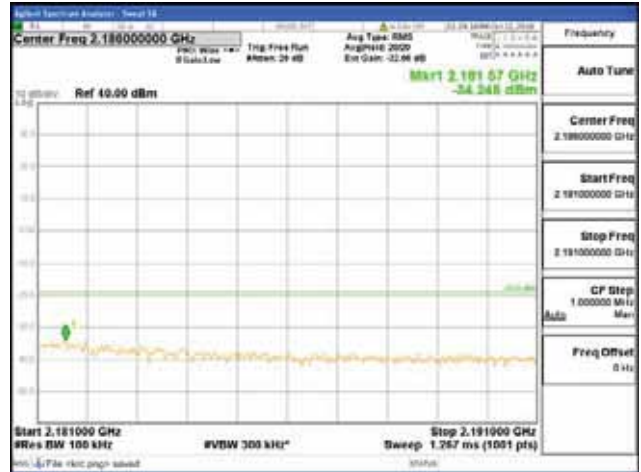
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



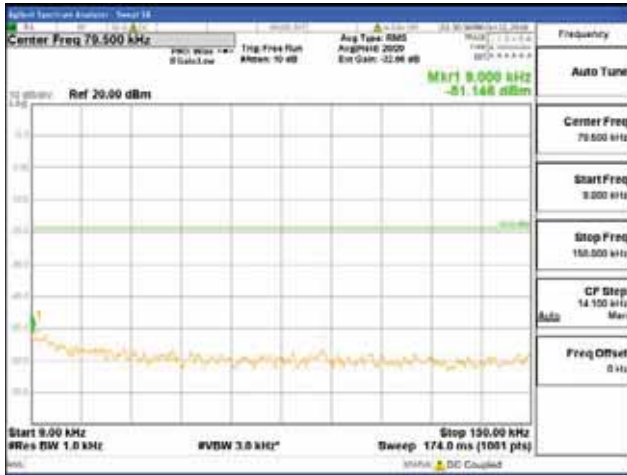


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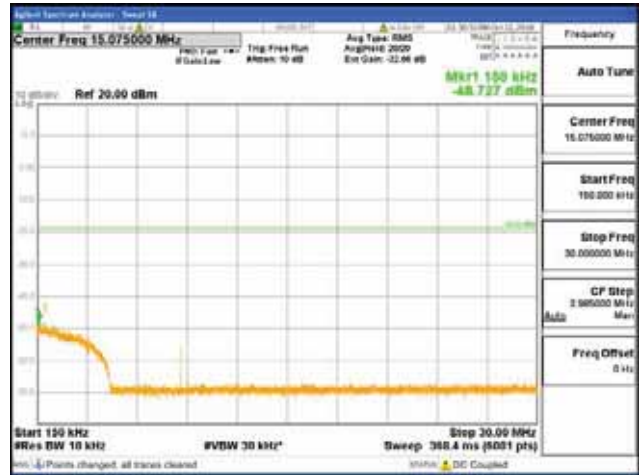
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[256QAM]

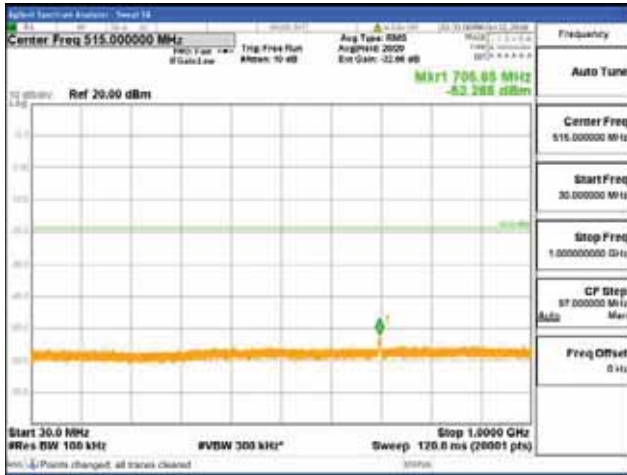
9 kHz - 150 kHz



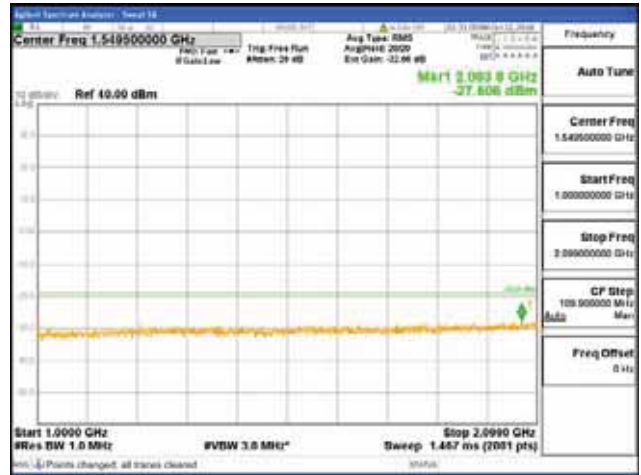
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz





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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



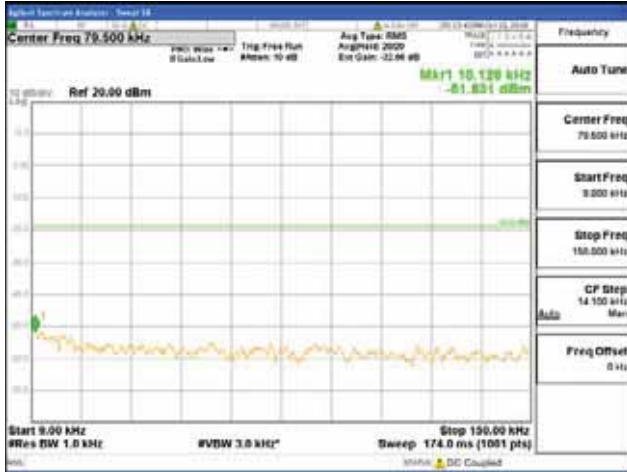


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ANT 2
Band 66, BW 5MHz, Single 1 carrier, 4TX, Bottom
[QPSK]

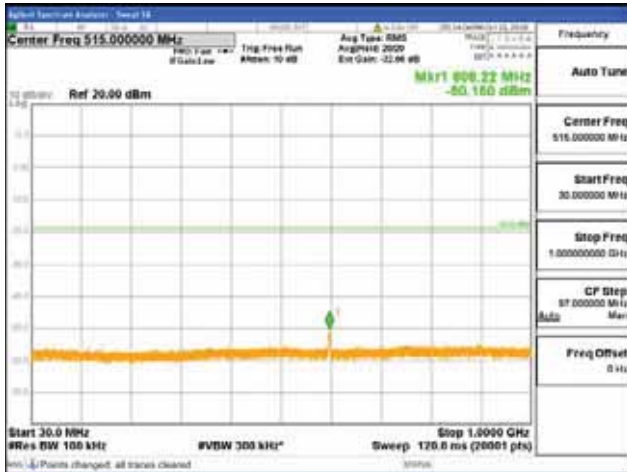
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

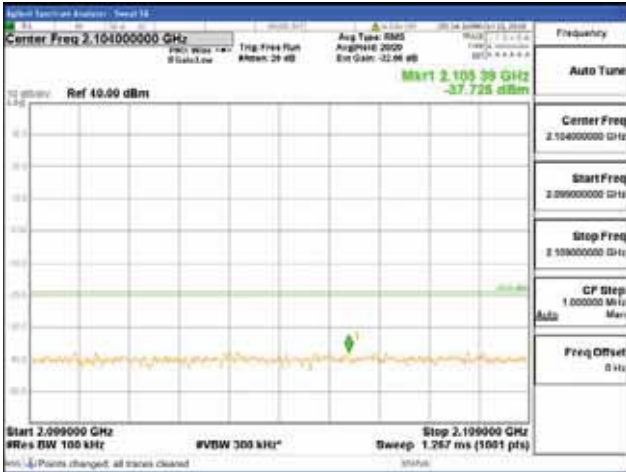




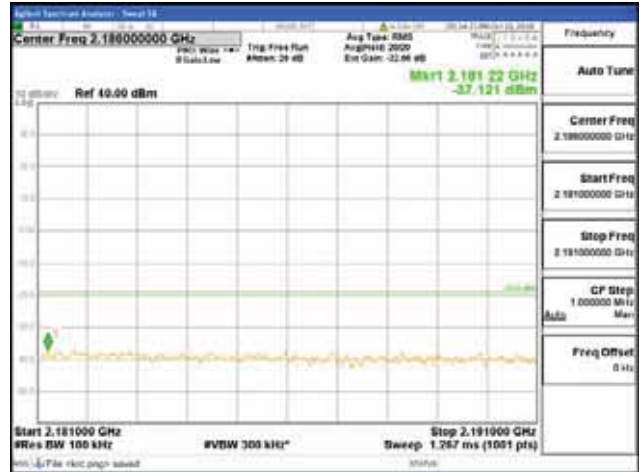
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



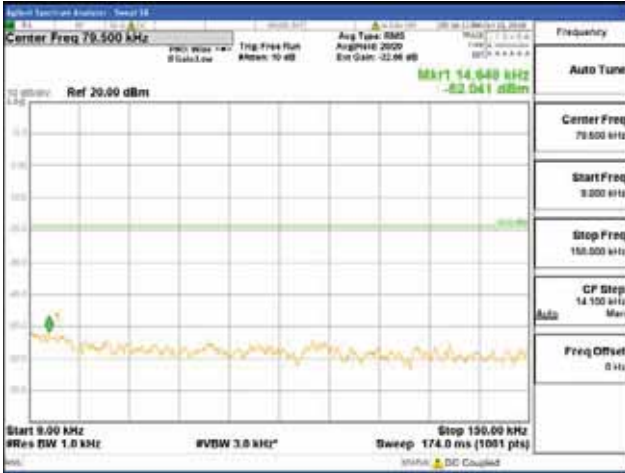


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[16QAM]

9 kHz - 150 kHz



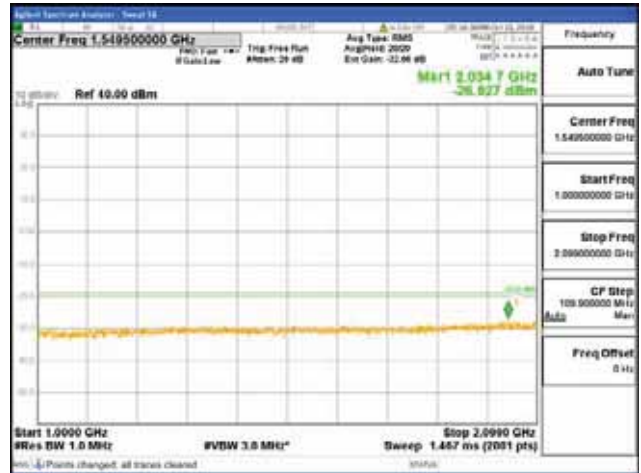
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

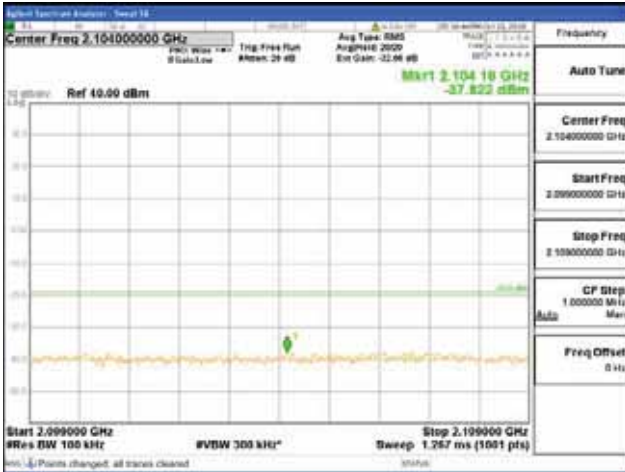




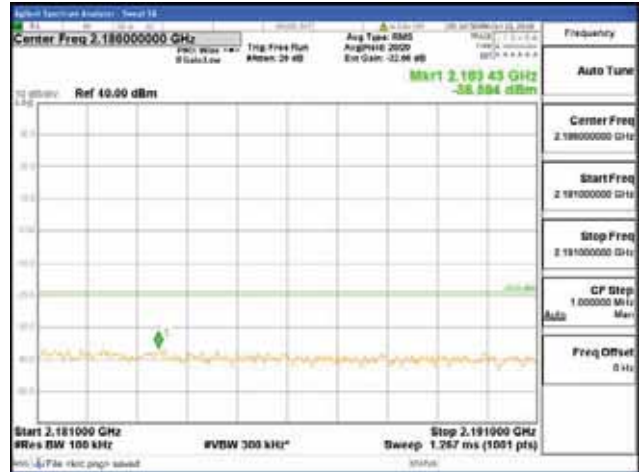
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



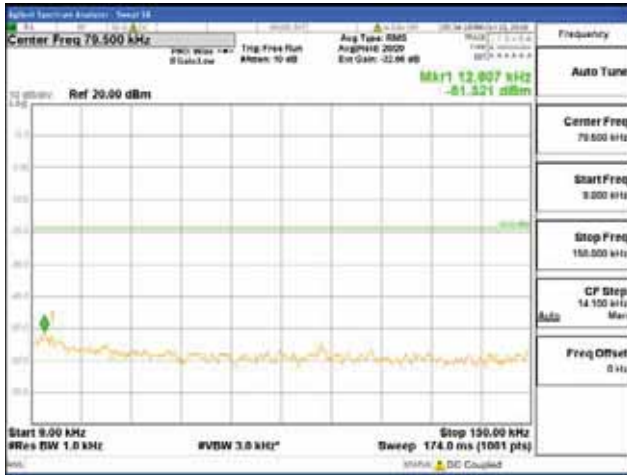


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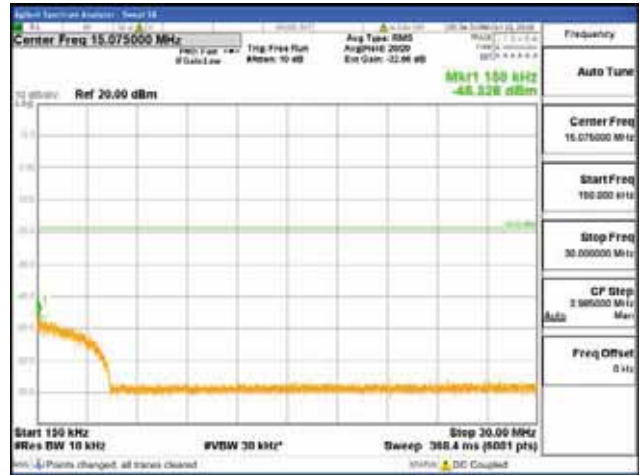
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[64QAM]

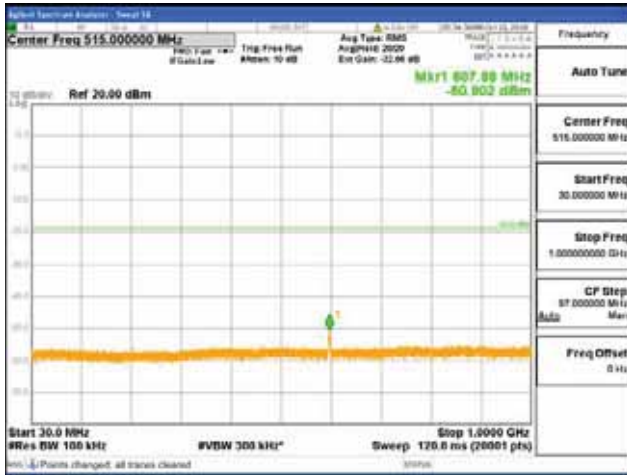
9 kHz - 150 kHz



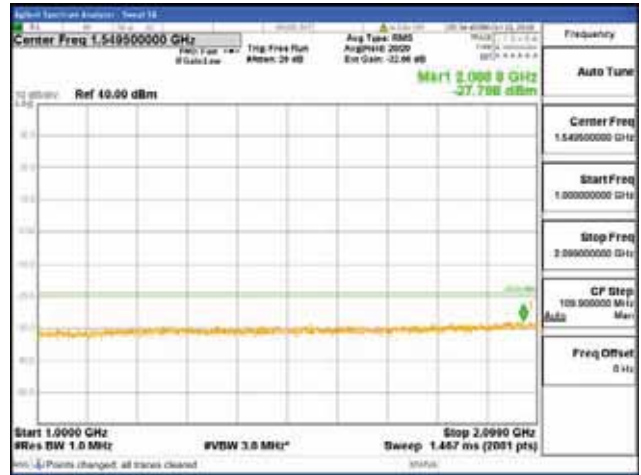
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

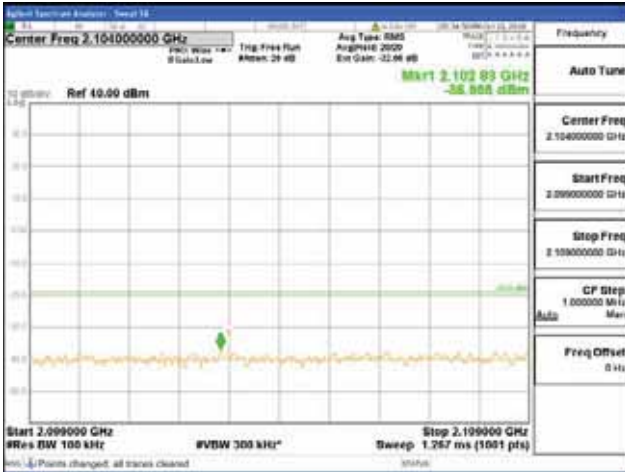




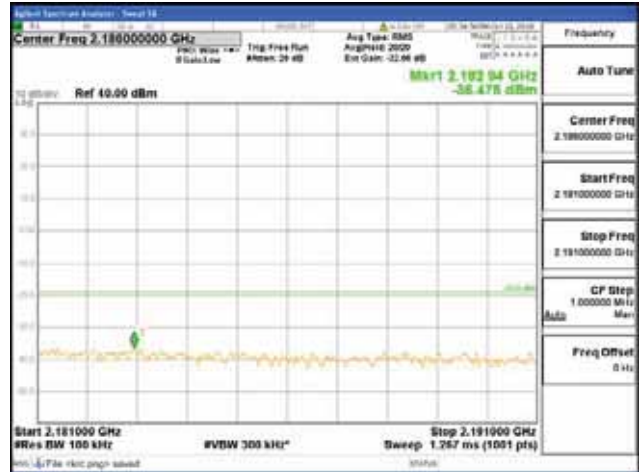
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2099 MHz - 2109 MHz



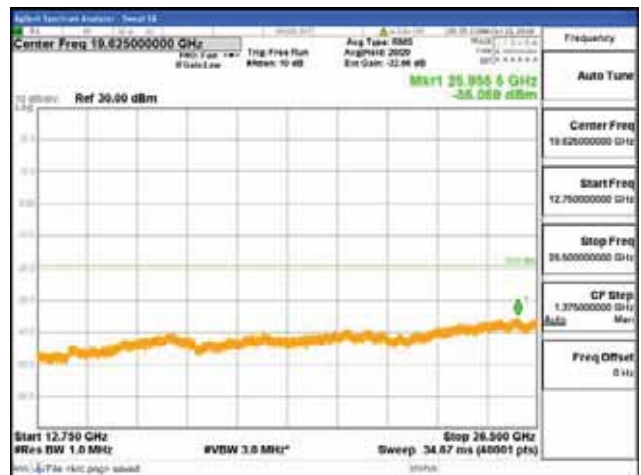
2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



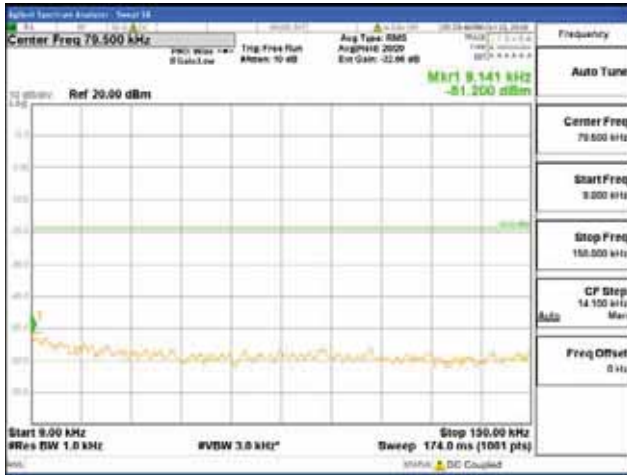


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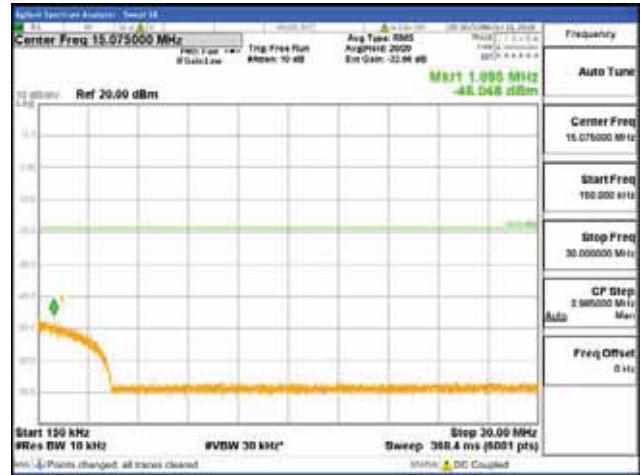
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[256QAM]

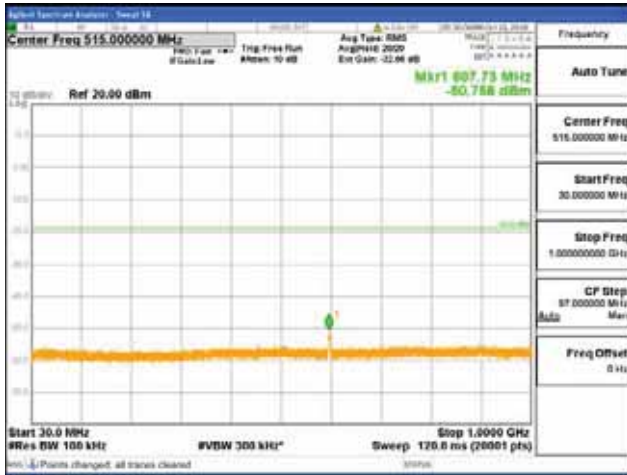
9 kHz - 150 kHz



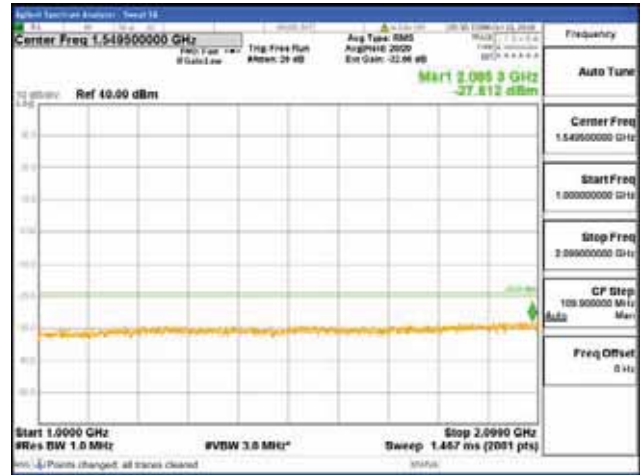
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

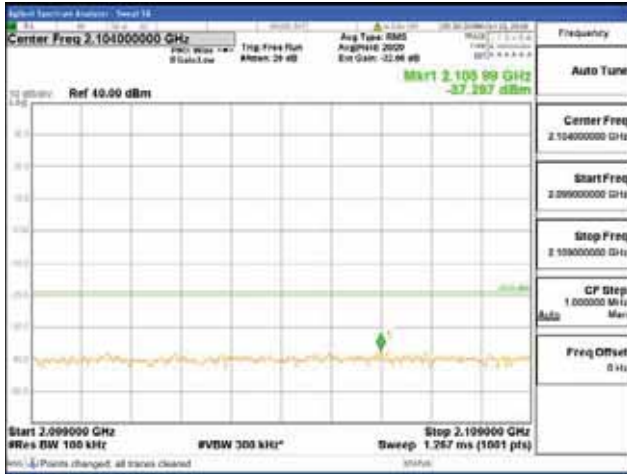




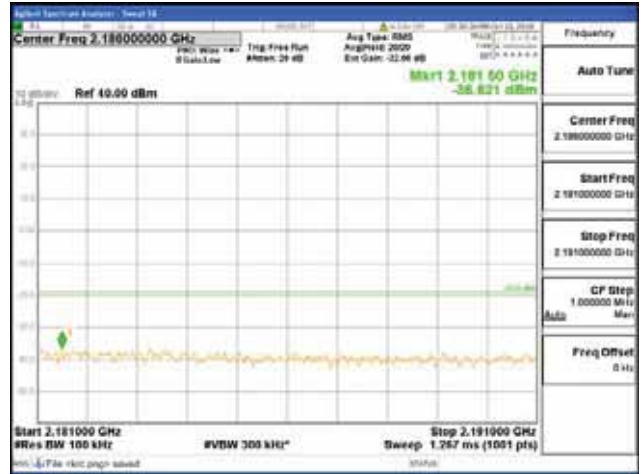
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz





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Band 66, BW 5MHz, Single 1 carrier, 4TX, Middle
 [QPSK]

9 kHz - 150 kHz



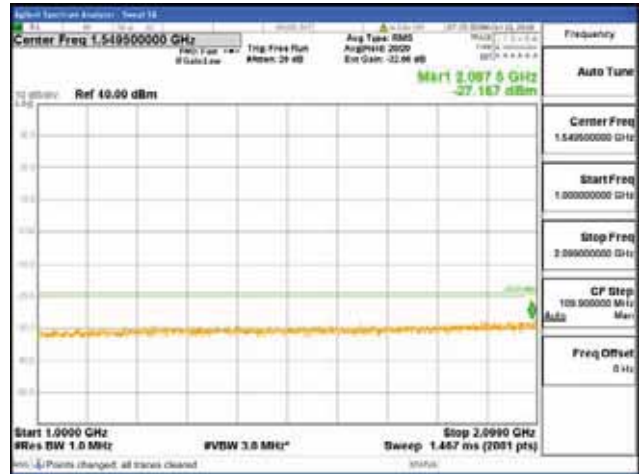
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

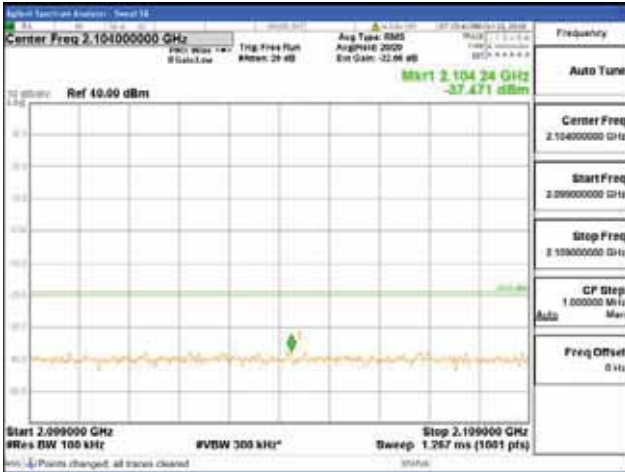




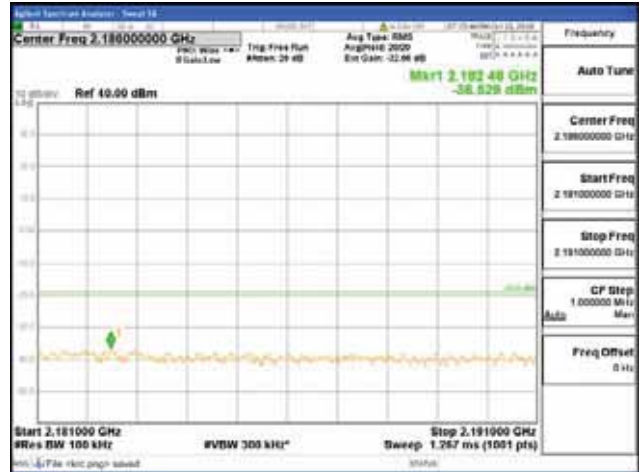
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



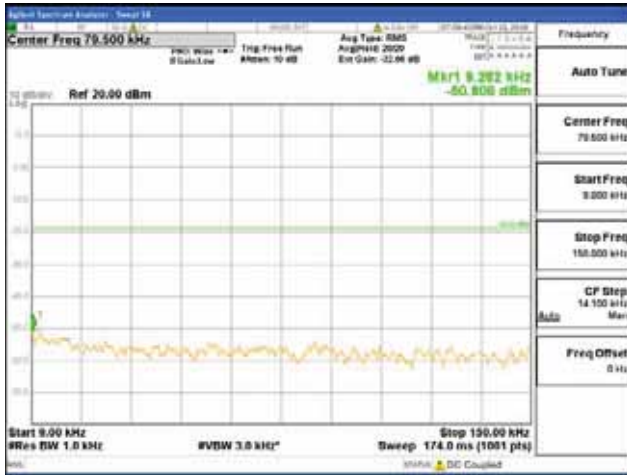


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[16QAM]

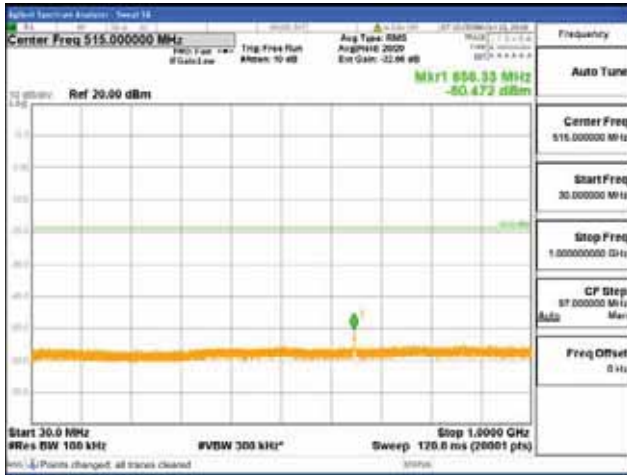
9 kHz - 150 kHz



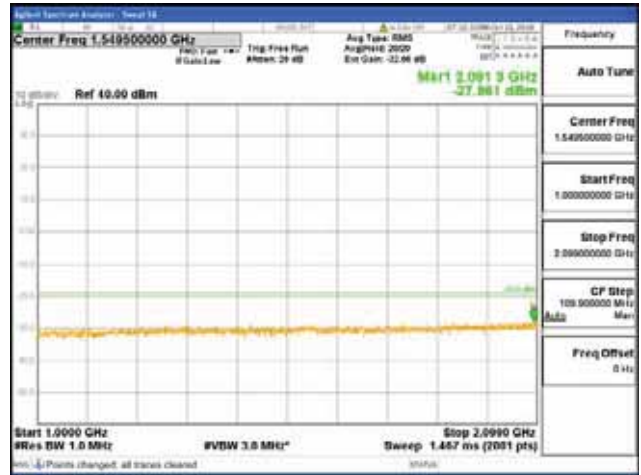
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

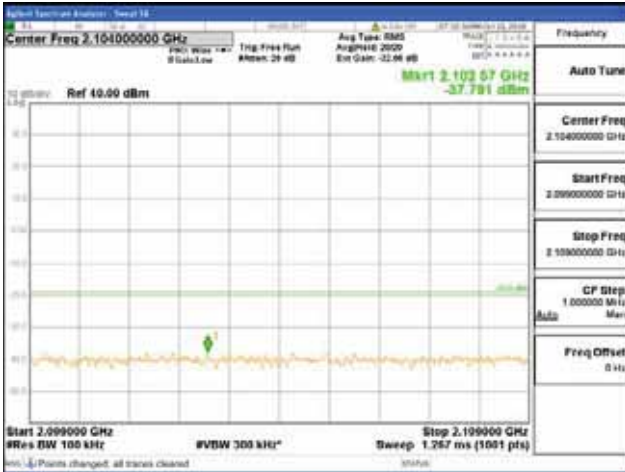




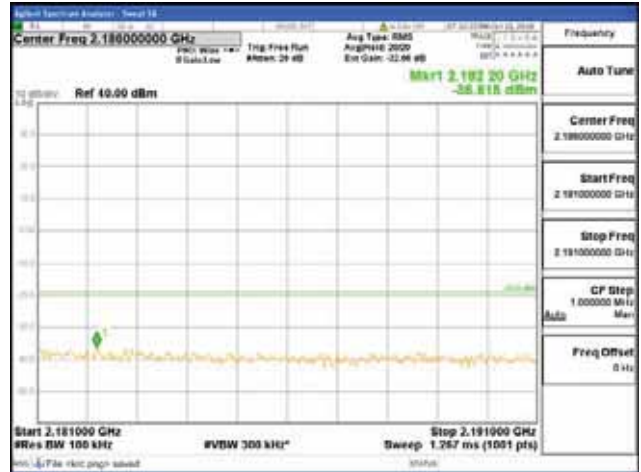
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2099 MHz - 2109 MHz



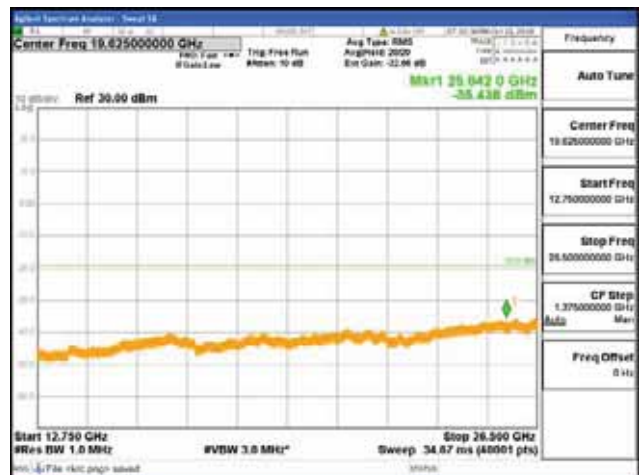
2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



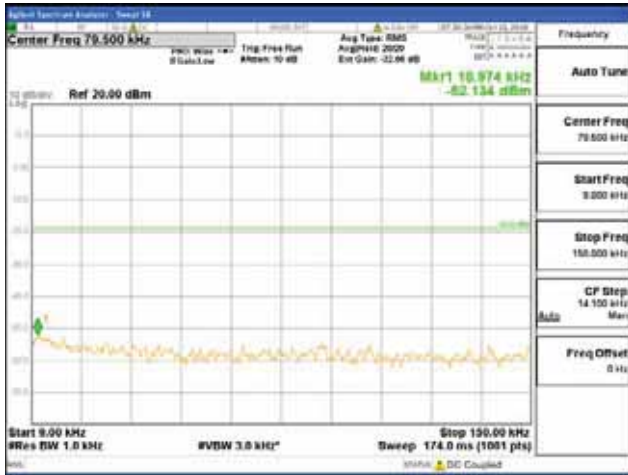


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[64QAM]

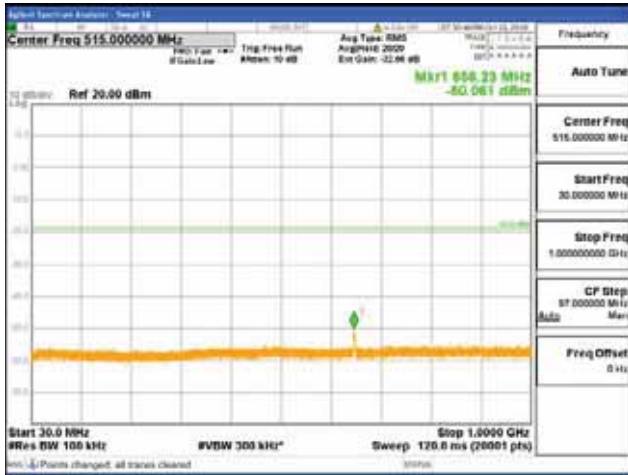
9 kHz - 150 kHz



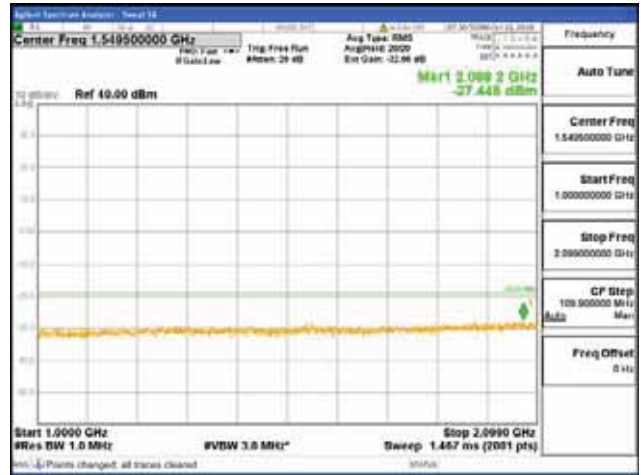
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

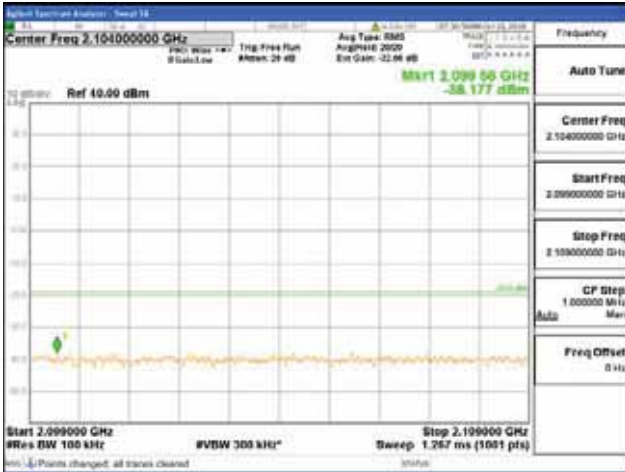




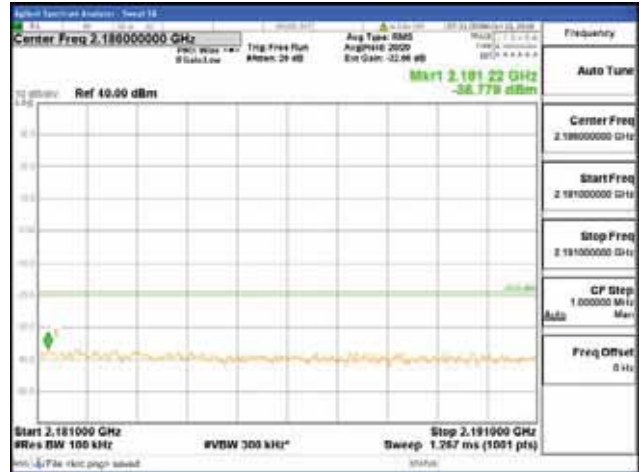
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



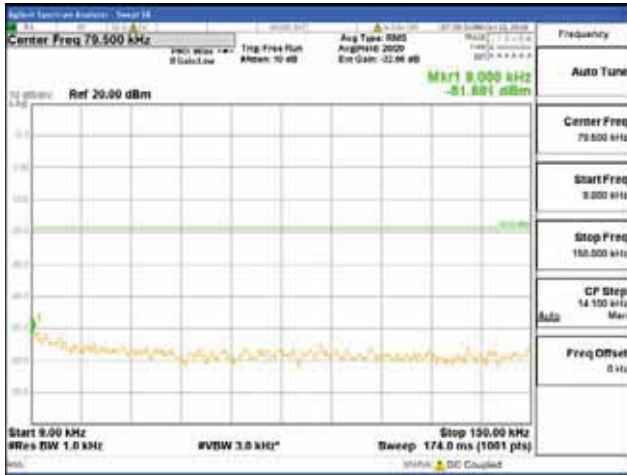


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[256QAM]

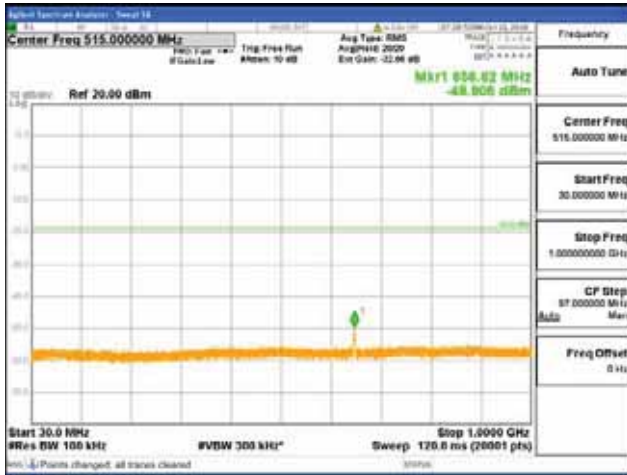
9 kHz - 150 kHz



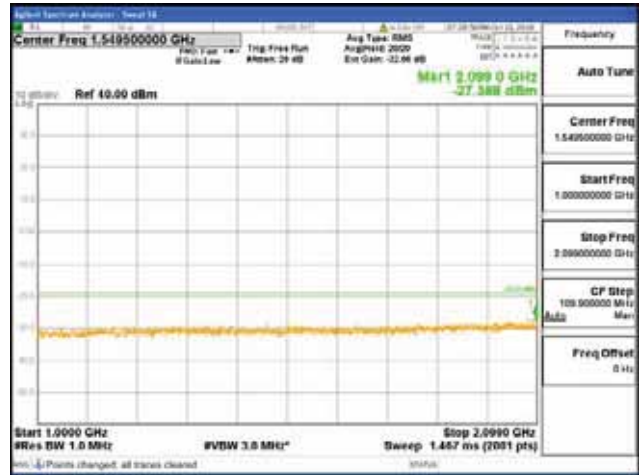
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

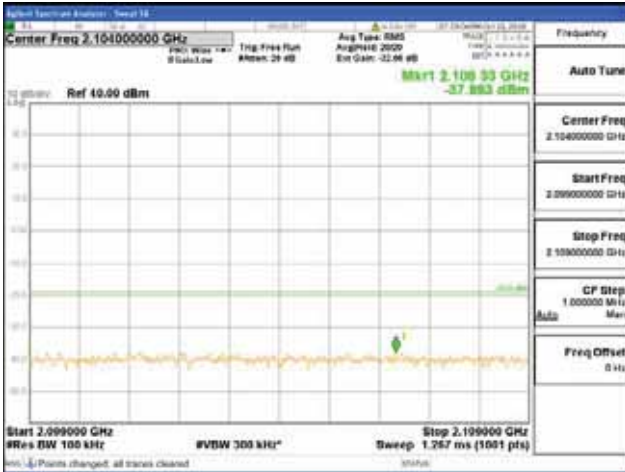




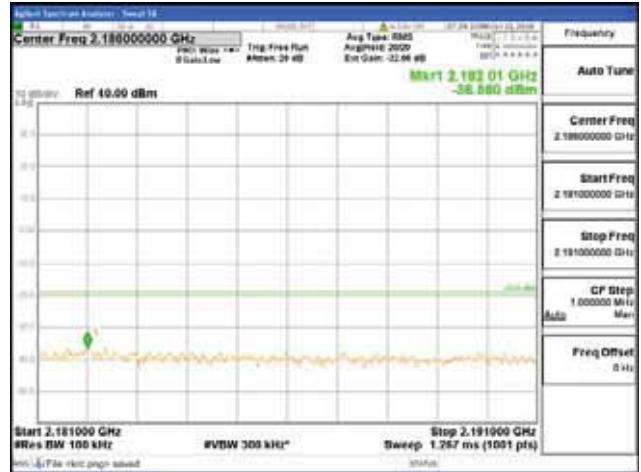
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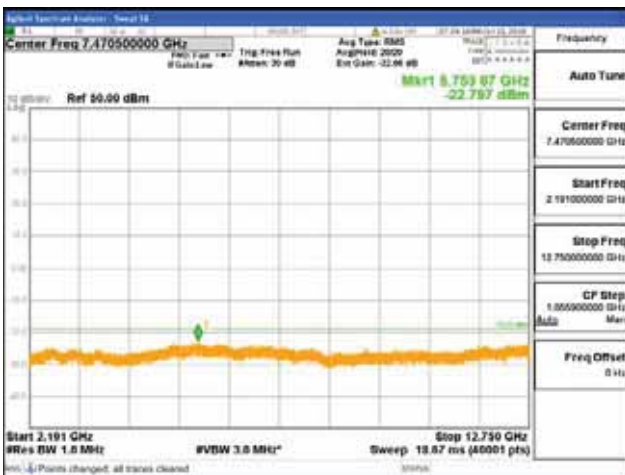
2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

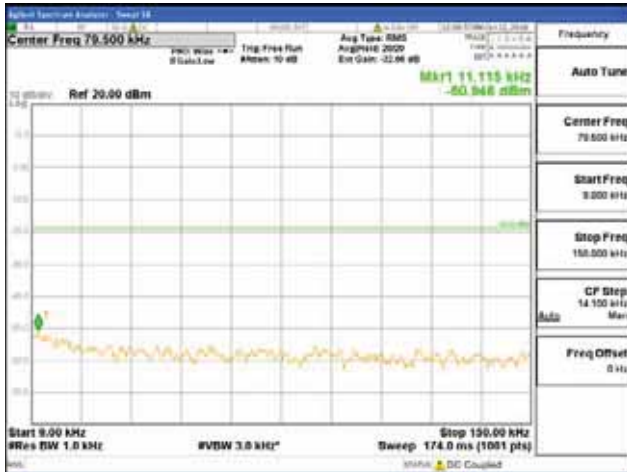


12.75 GHz - 26.5 GHz



Band 66, BW 5MHz, Single 1 carrier, 4TX, Top
[QPSK]

9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz





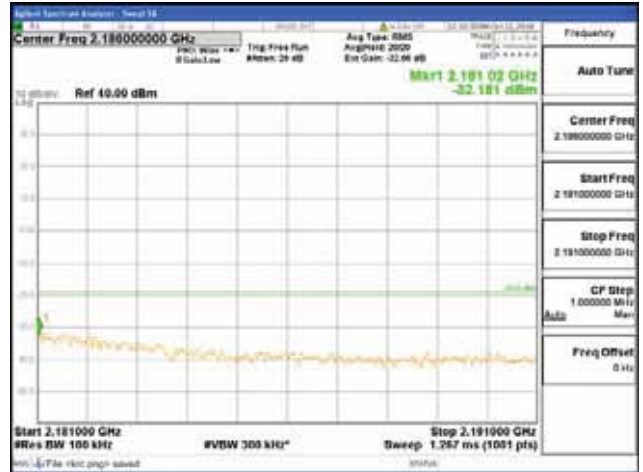
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



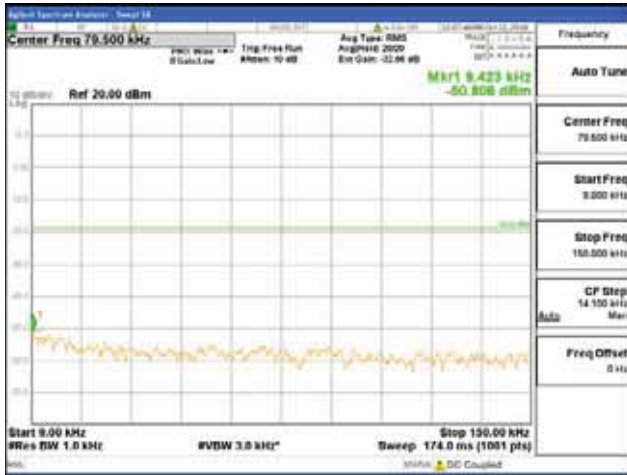


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[16QAM]

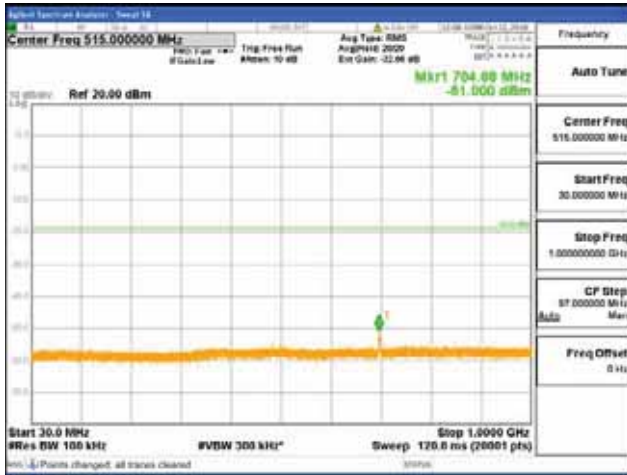
9 kHz - 150 kHz



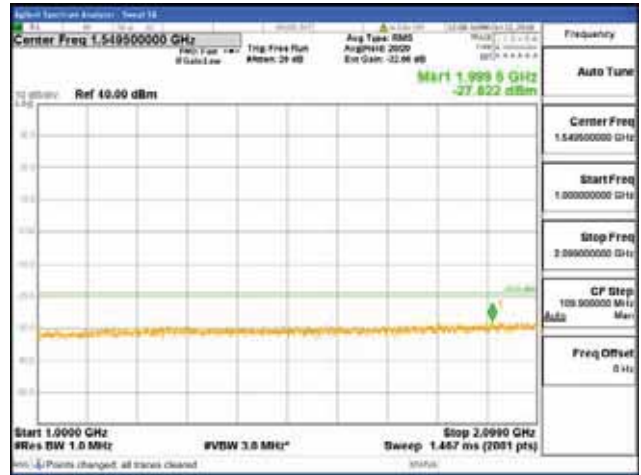
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

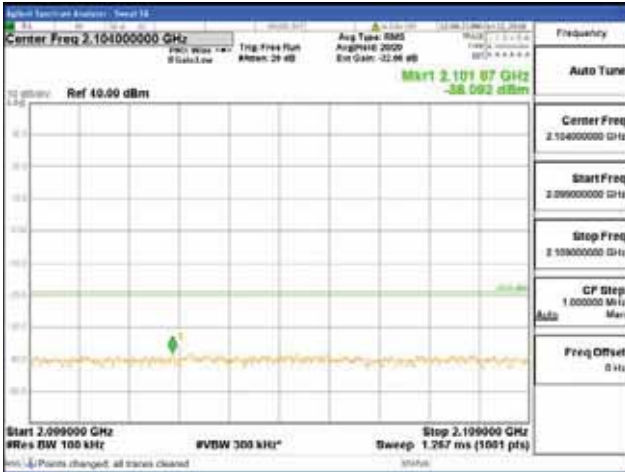




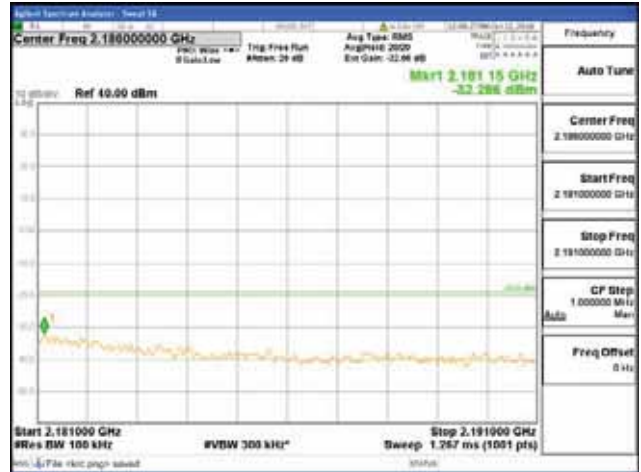
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



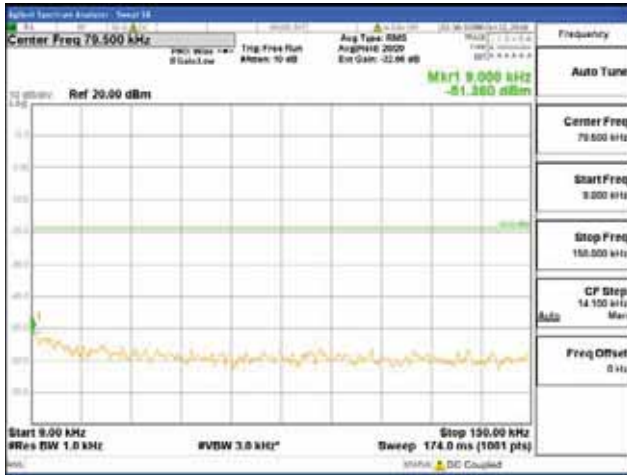


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[64QAM]

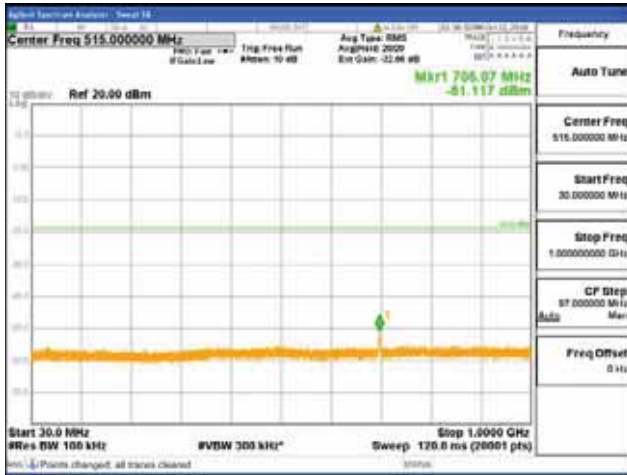
9 kHz - 150 kHz



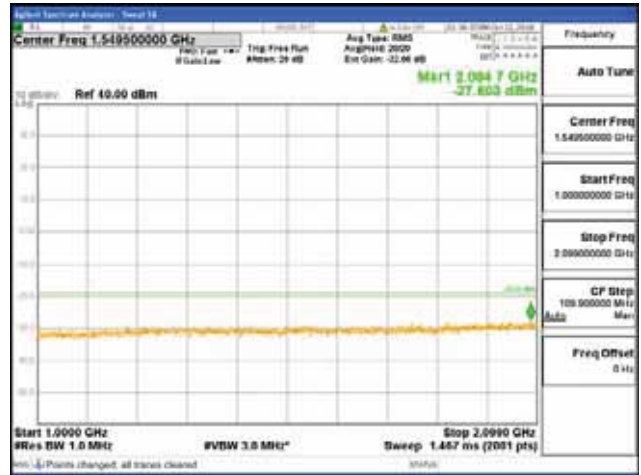
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

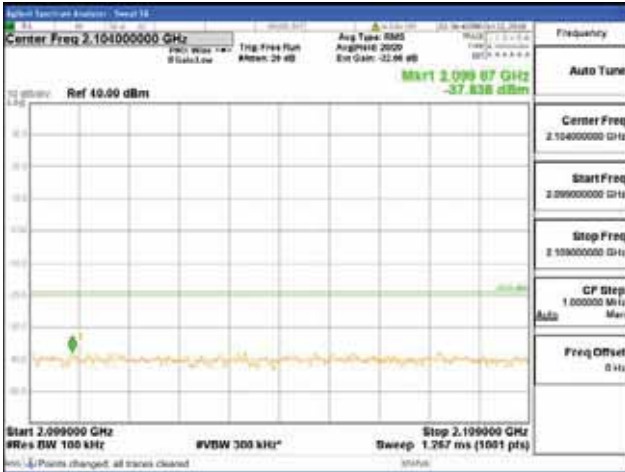




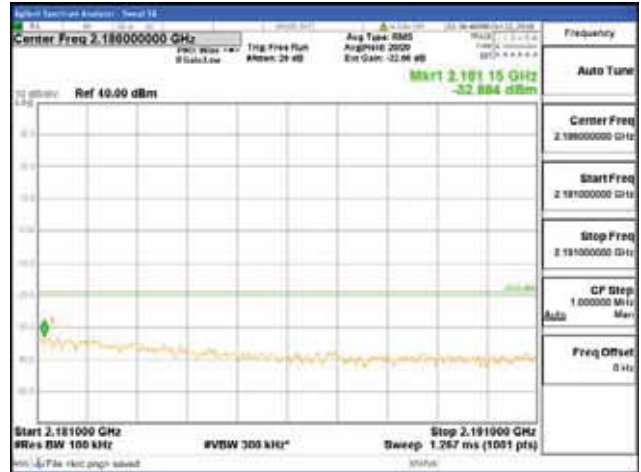
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



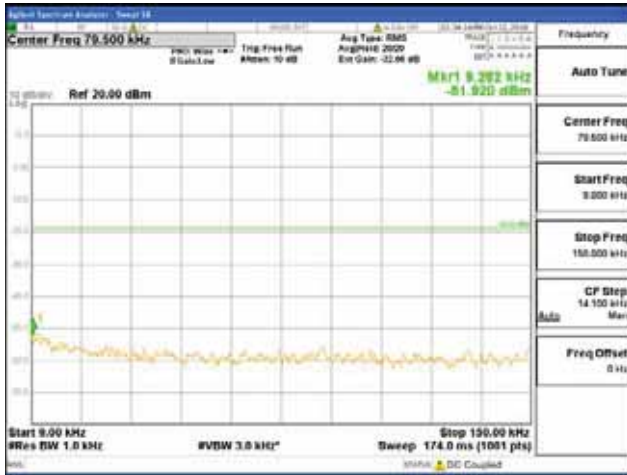


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[256QAM]

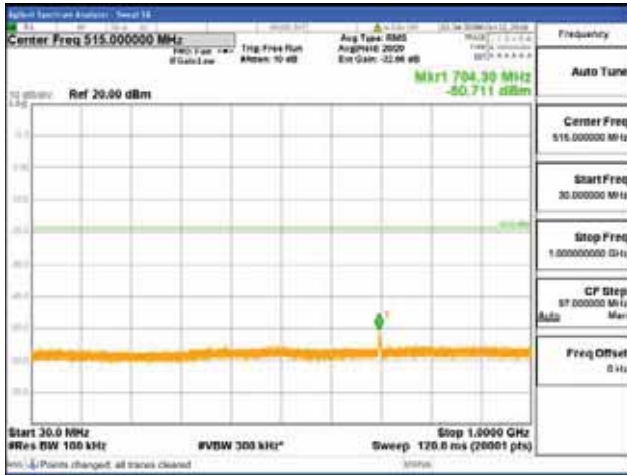
9 kHz - 150 kHz



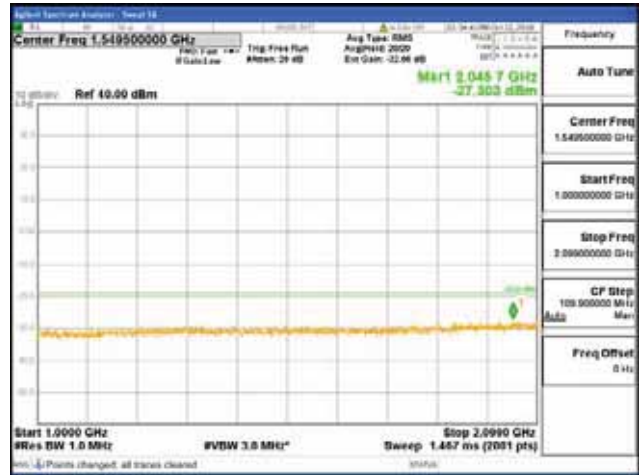
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

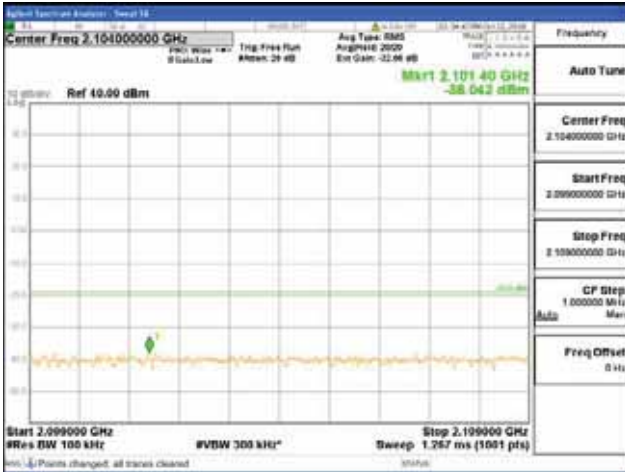




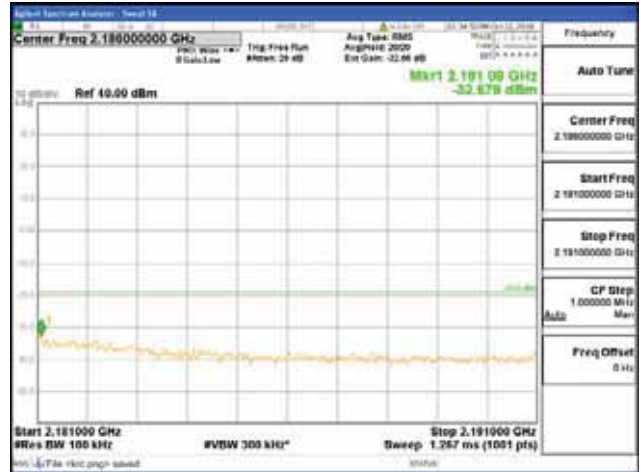
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2099 MHz - 2109 MHz



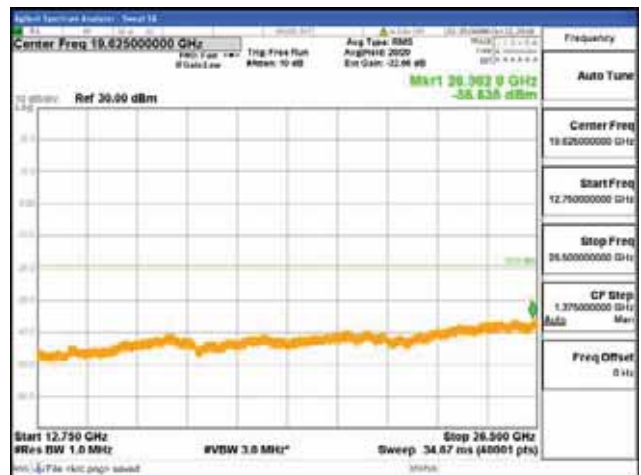
2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

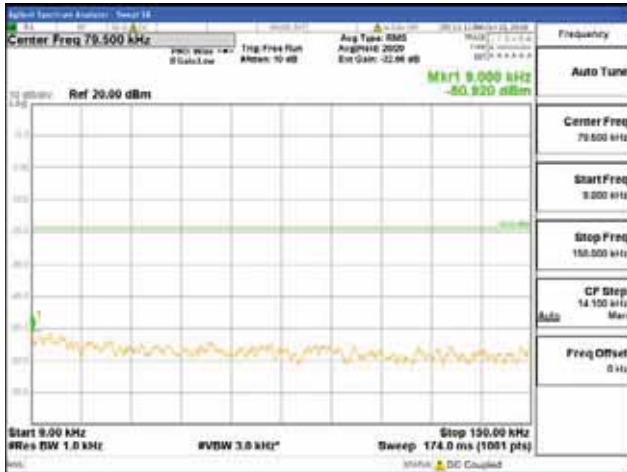


12.75 GHz - 26.5 GHz

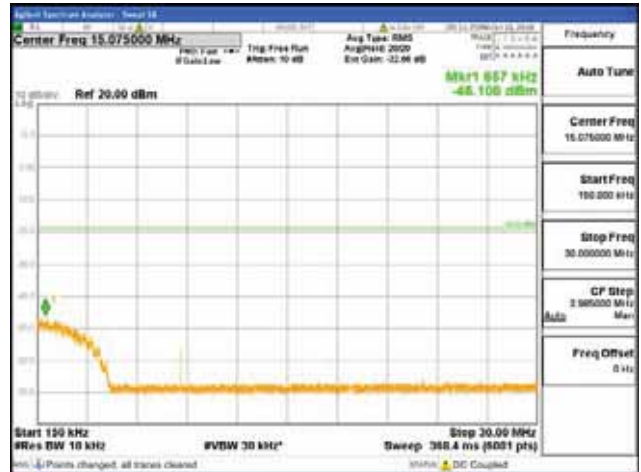


ANT 3
Band 66, BW 5MHz, Single 1 carrier, 4TX, Bottom
[QPSK]

9 kHz - 150 kHz



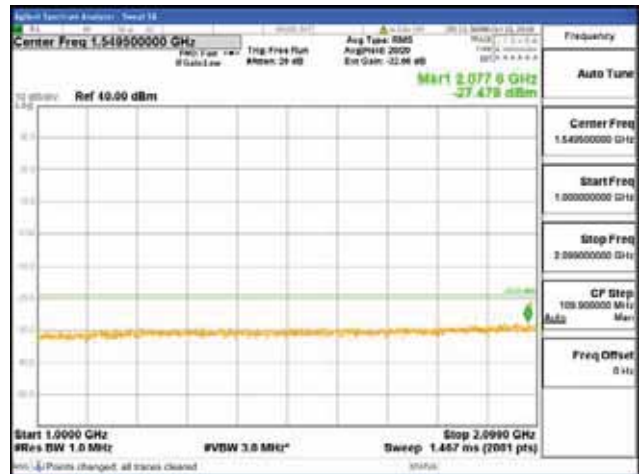
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

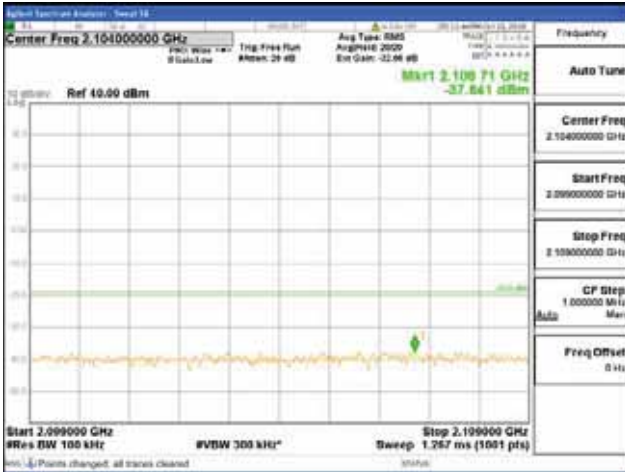




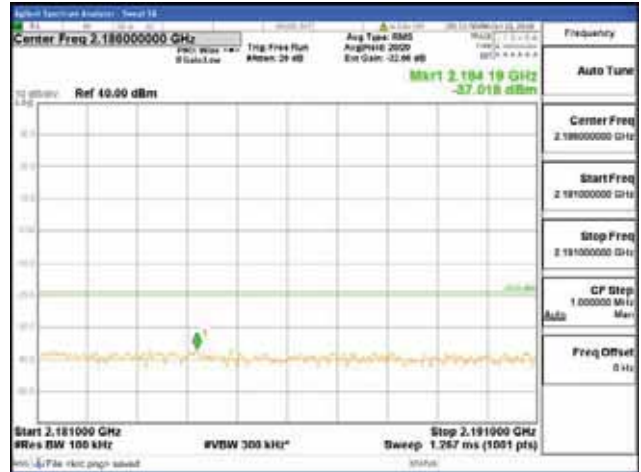
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



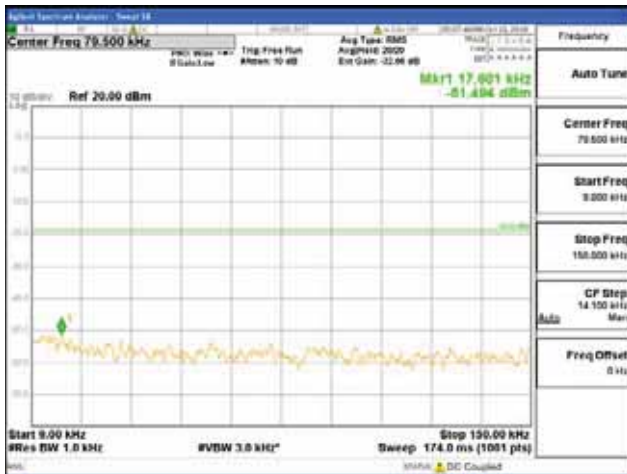


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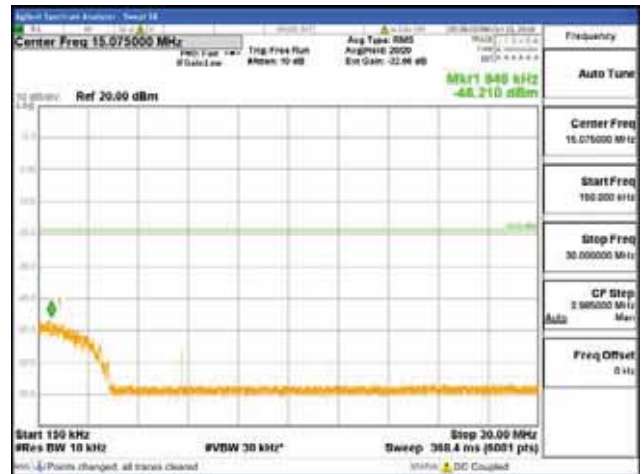
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[16QAM]

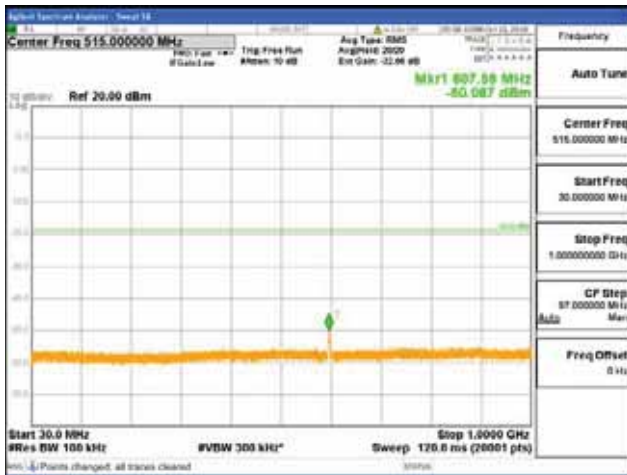
9 kHz - 150 kHz



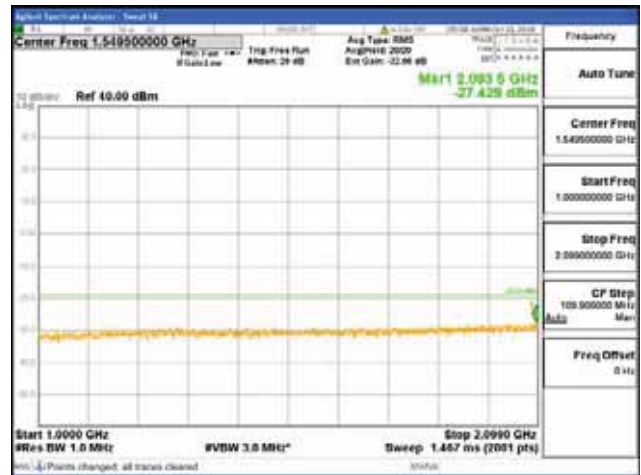
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

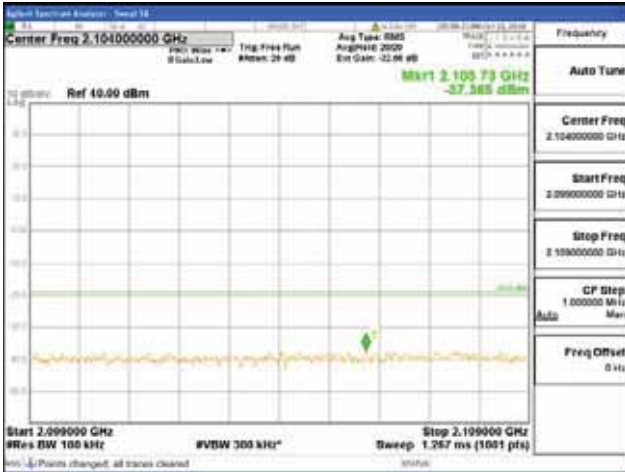




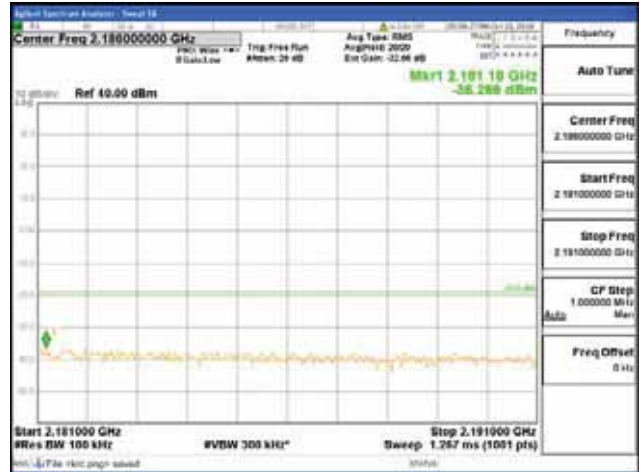
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



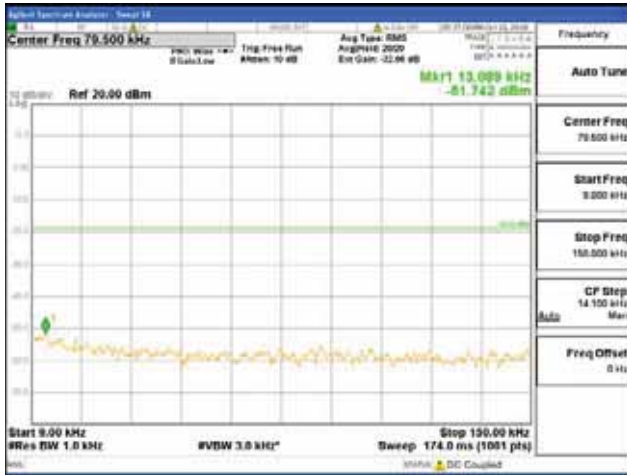


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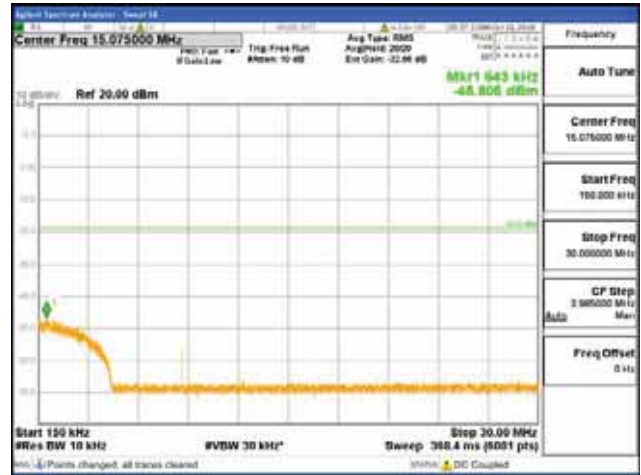
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[64QAM]

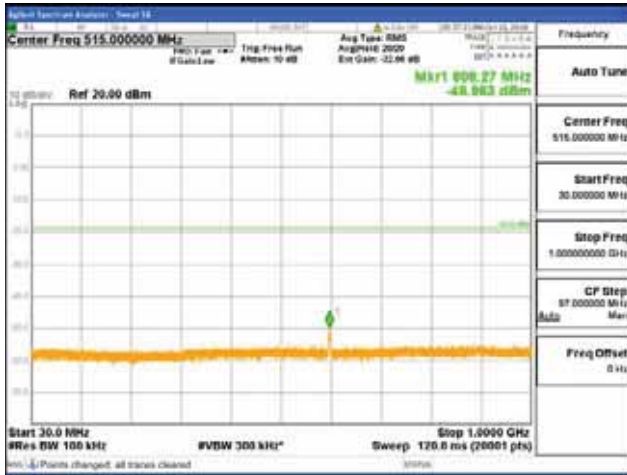
9 kHz - 150 kHz



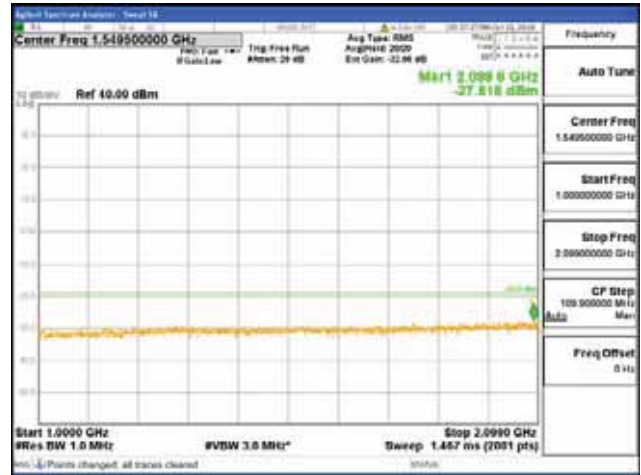
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

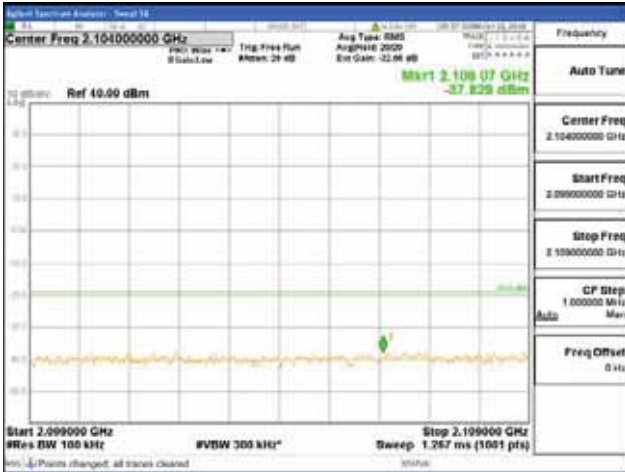




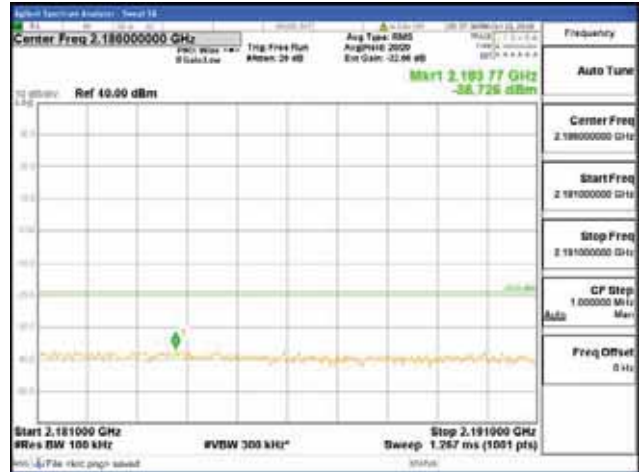
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2099 MHz - 2109 MHz



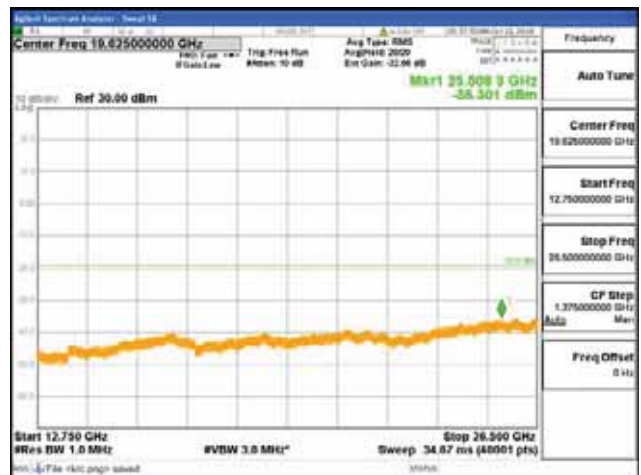
2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



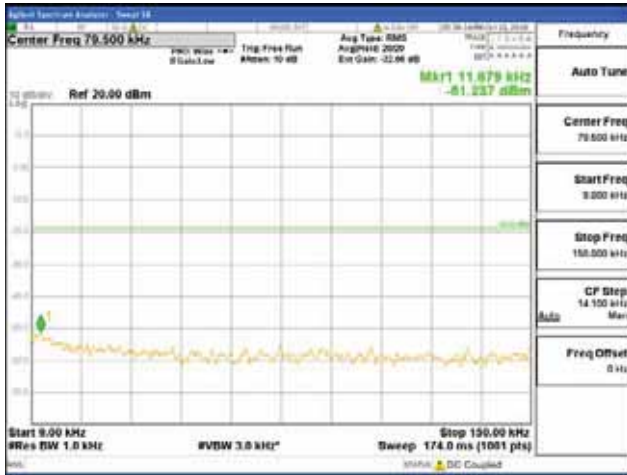


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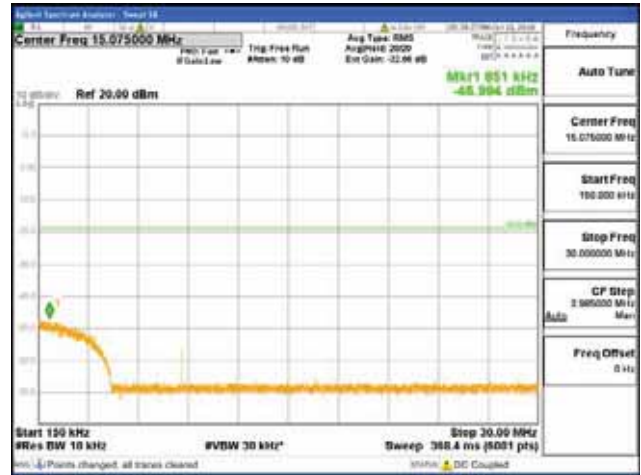
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[256QAM]

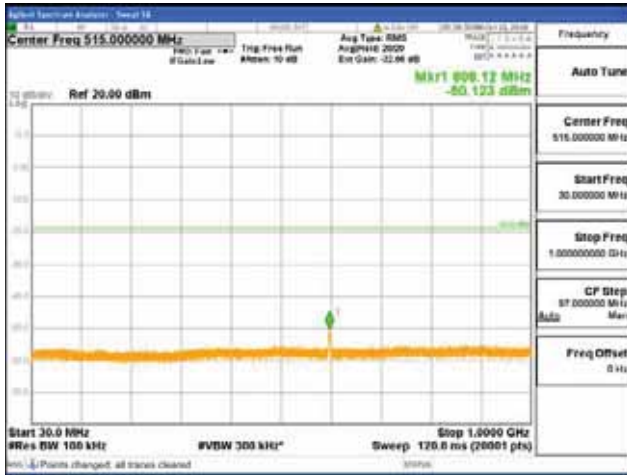
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

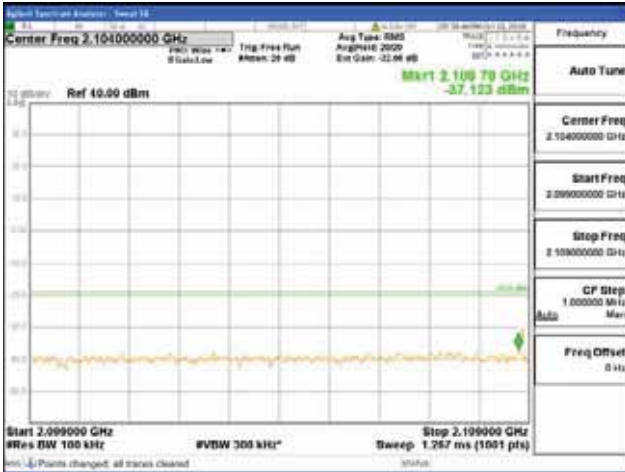




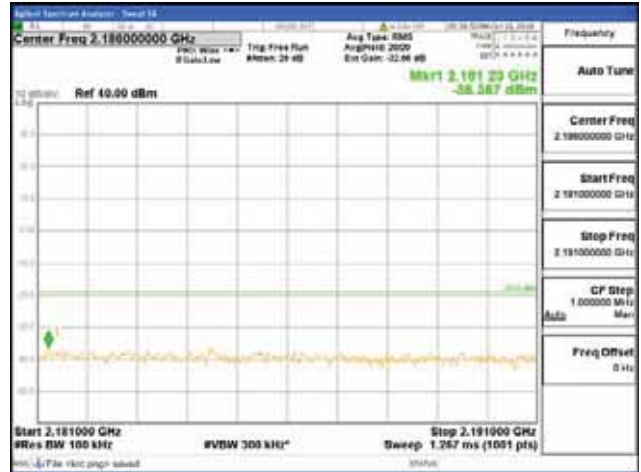
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



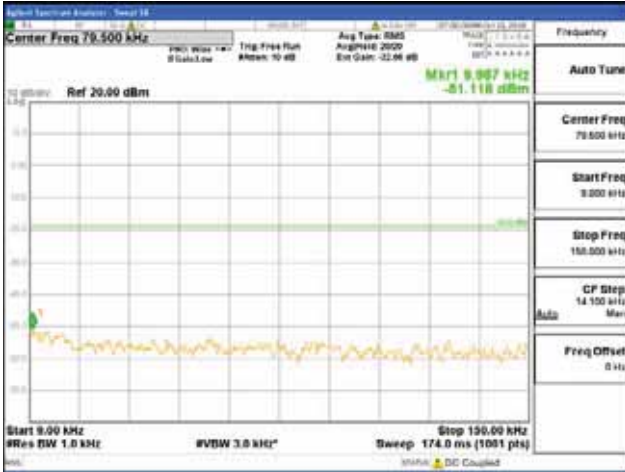


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Band 66, BW 5MHz, Single 1 carrier, 4TX, Middle
 [QPSK]

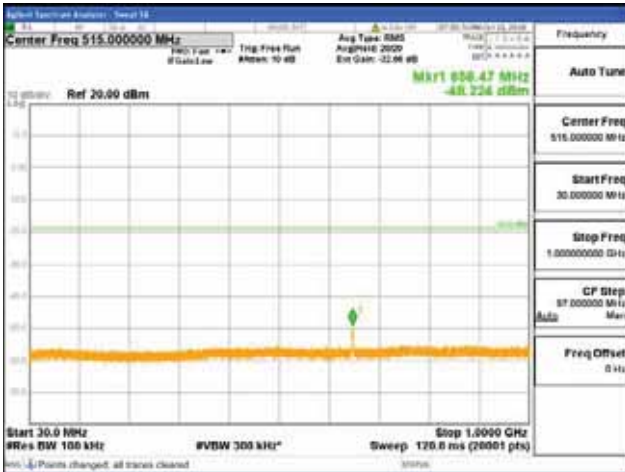
9 kHz - 150 kHz



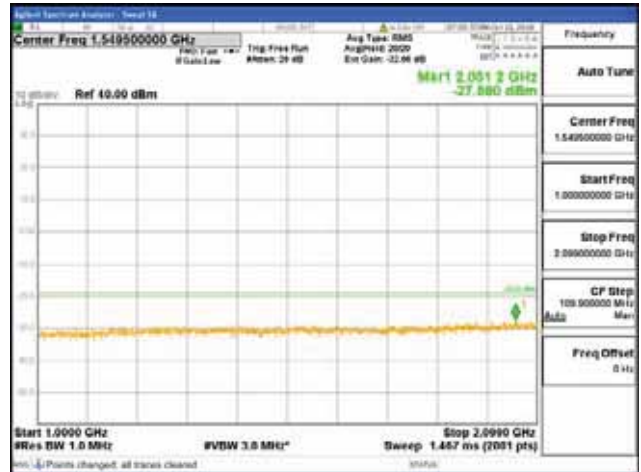
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz





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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



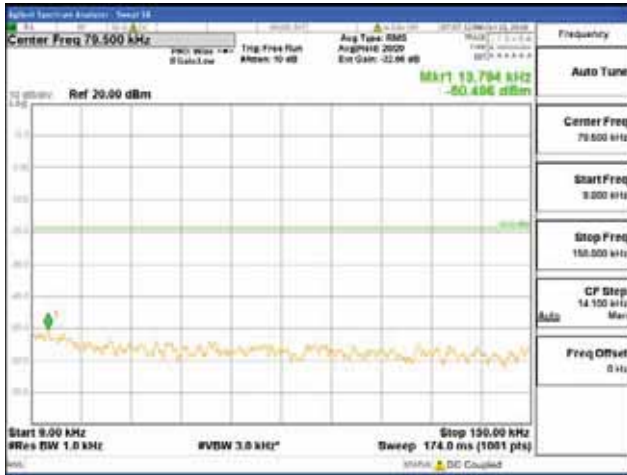


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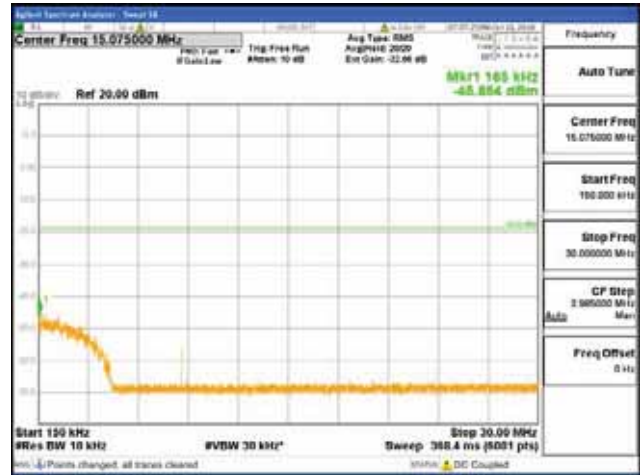
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[16QAM]

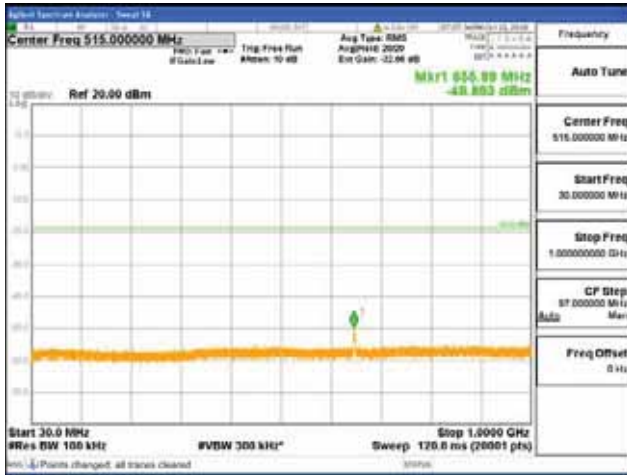
9 kHz - 150 kHz



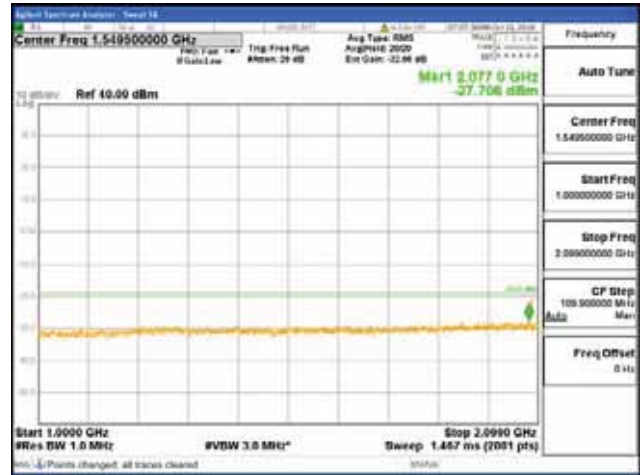
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz





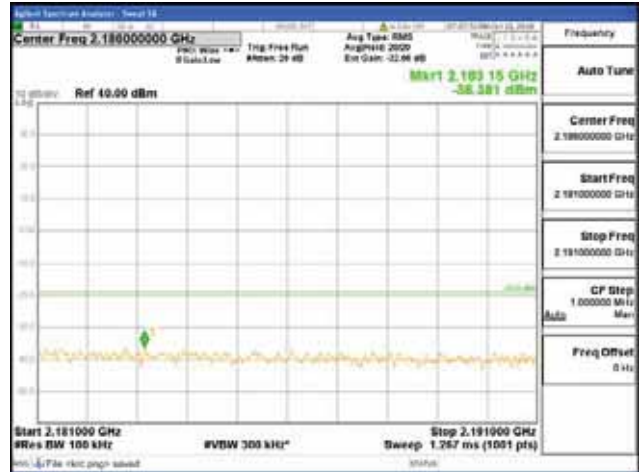
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2099 MHz - 2109 MHz



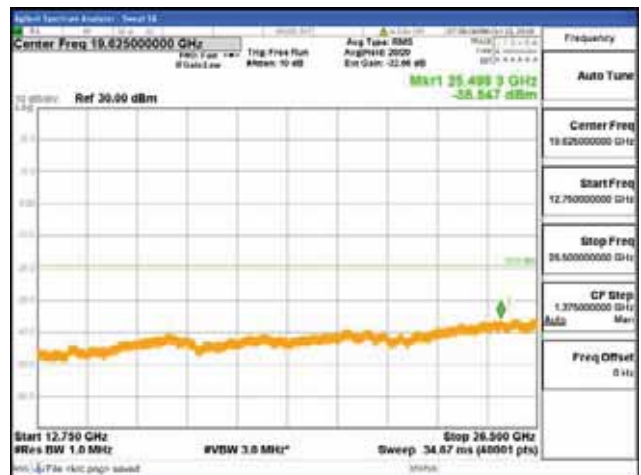
2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



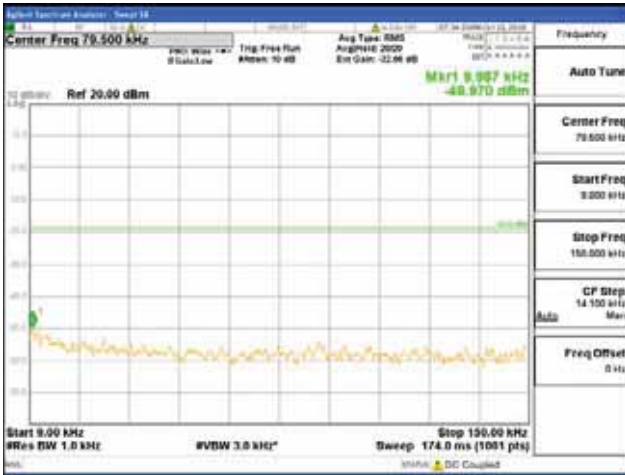


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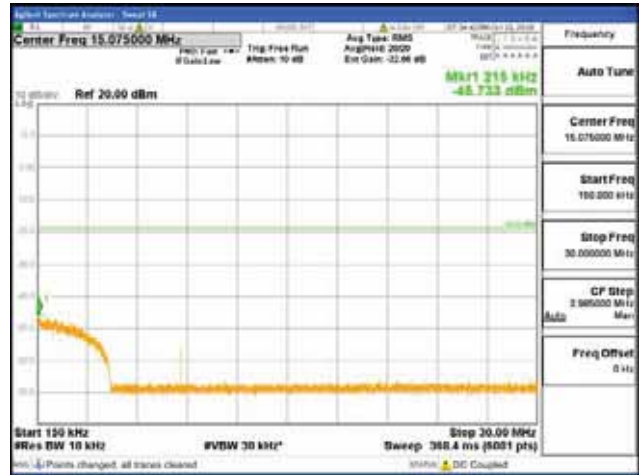
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[64QAM]

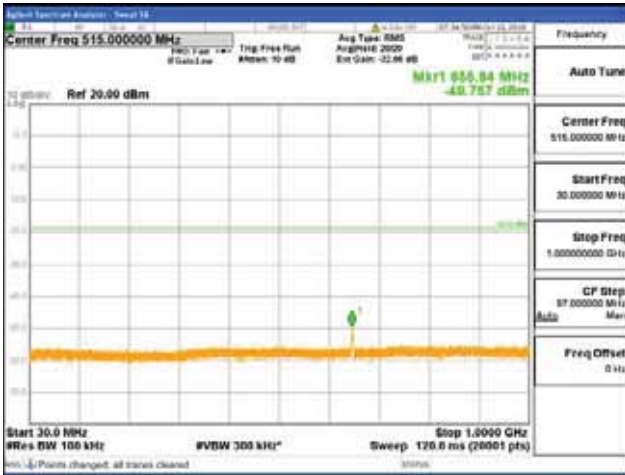
9 kHz - 150 kHz



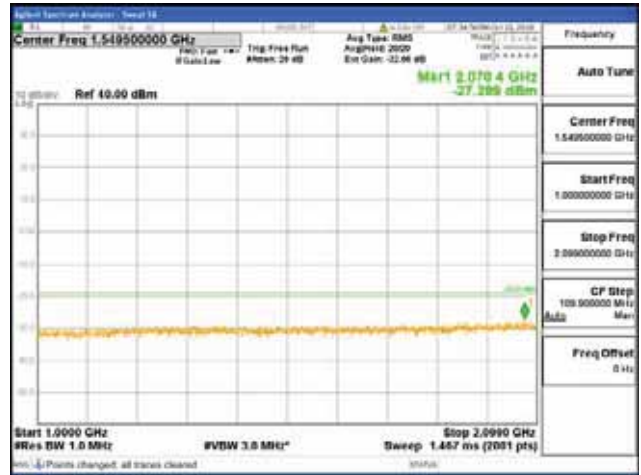
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

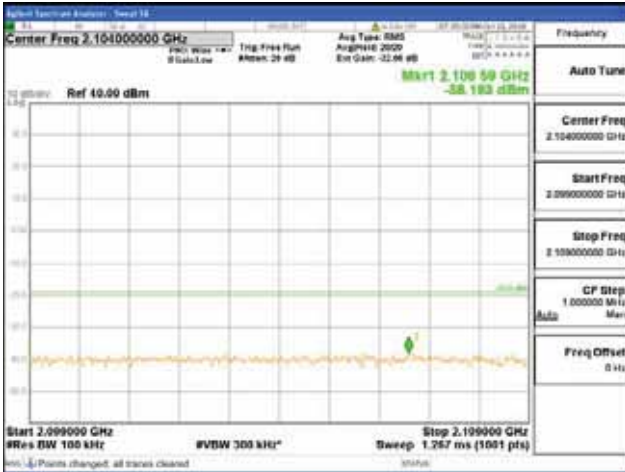




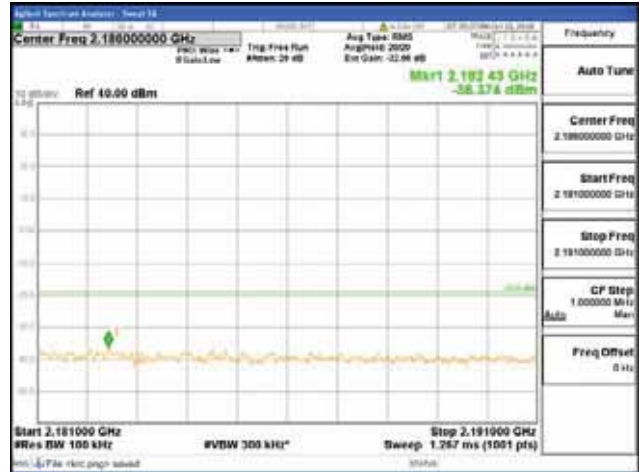
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



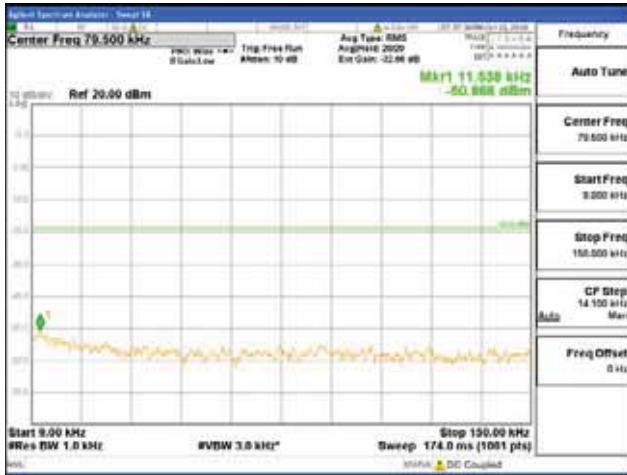


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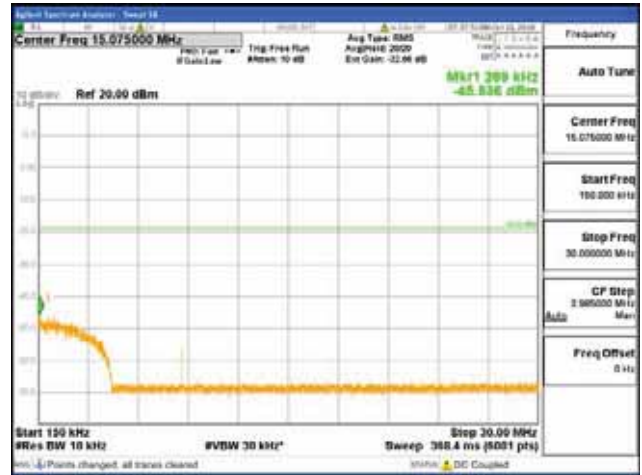
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[256QAM]

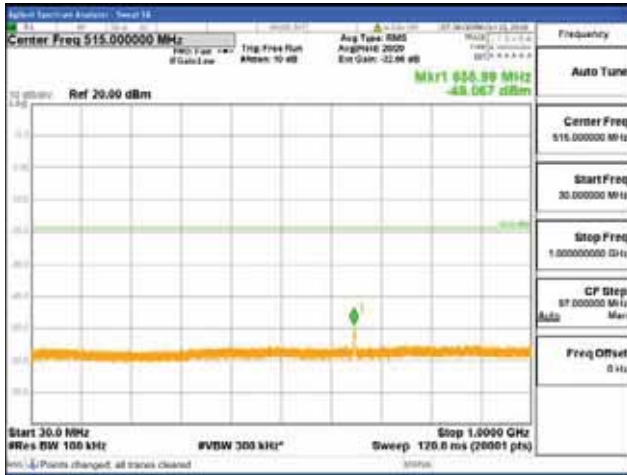
9 kHz - 150 kHz



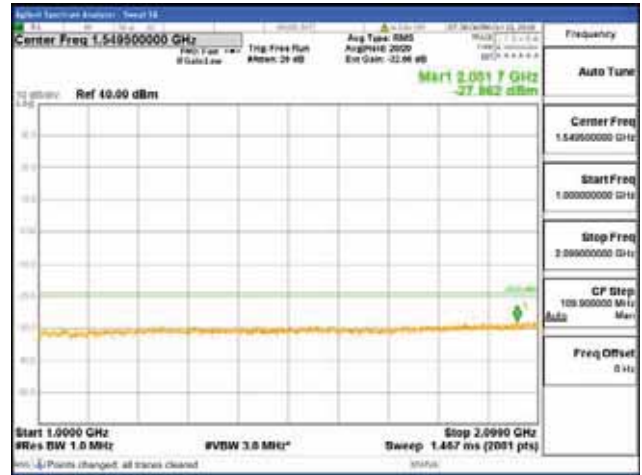
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

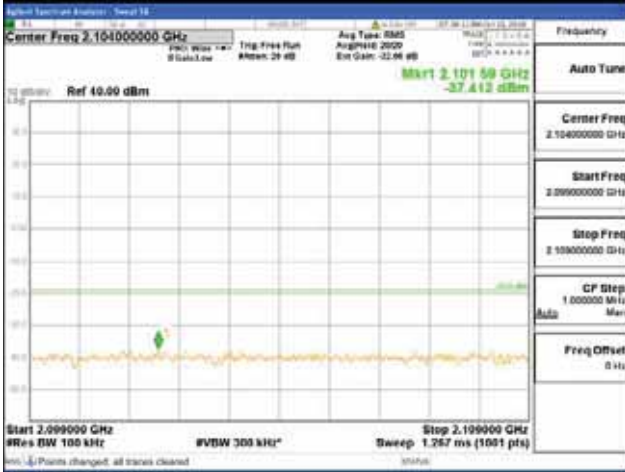




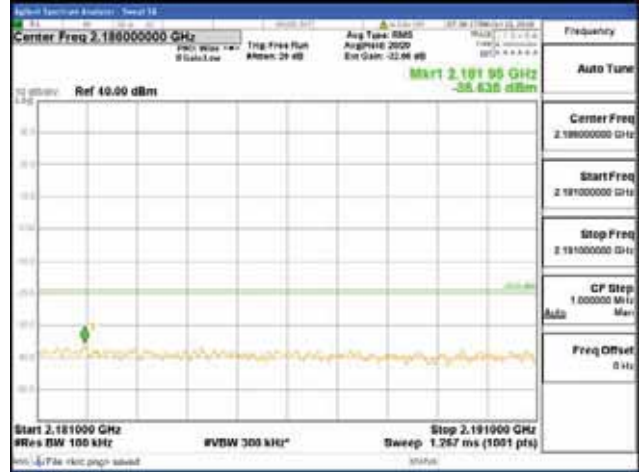
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



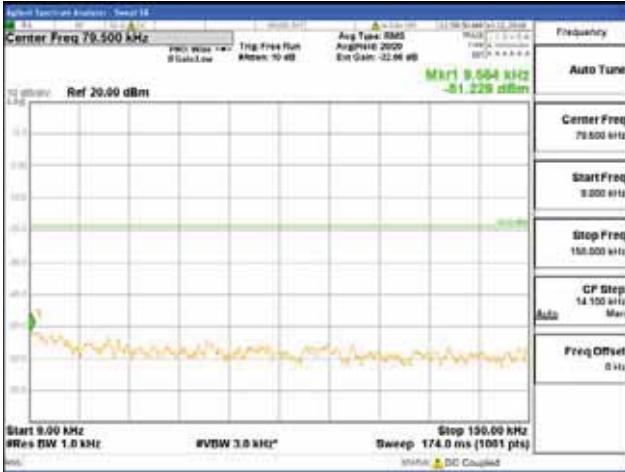
12.75 GHz - 26.5 GHz



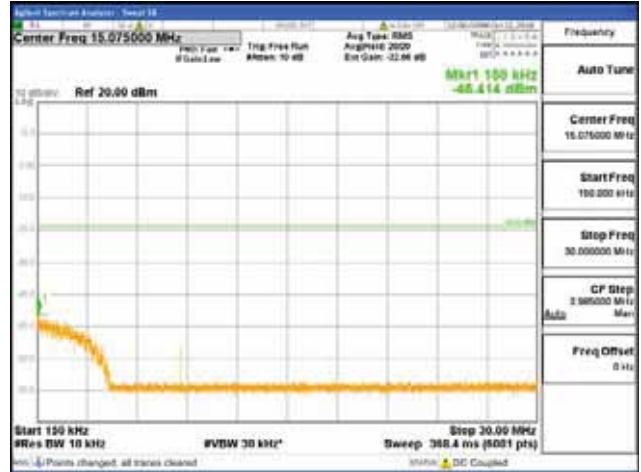


Band 66, BW 5MHz, Single 1 carrier, 4TX, Top
 [QPSK]

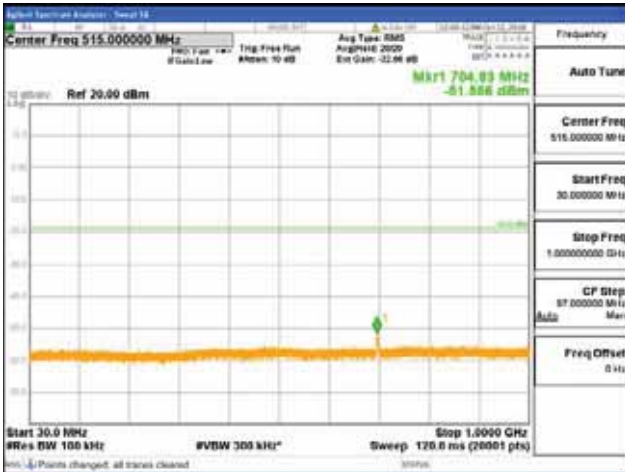
9 kHz - 150 kHz



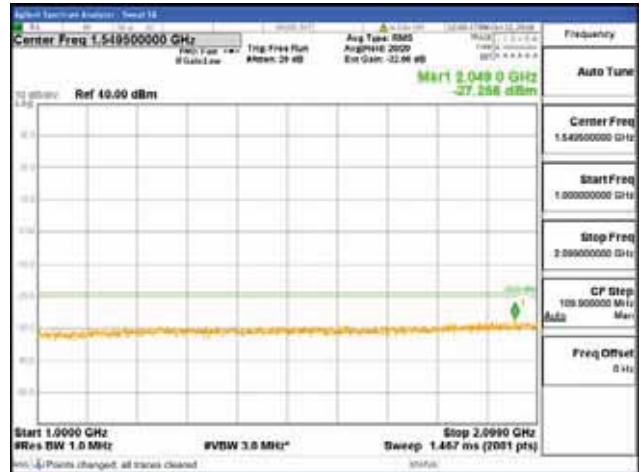
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

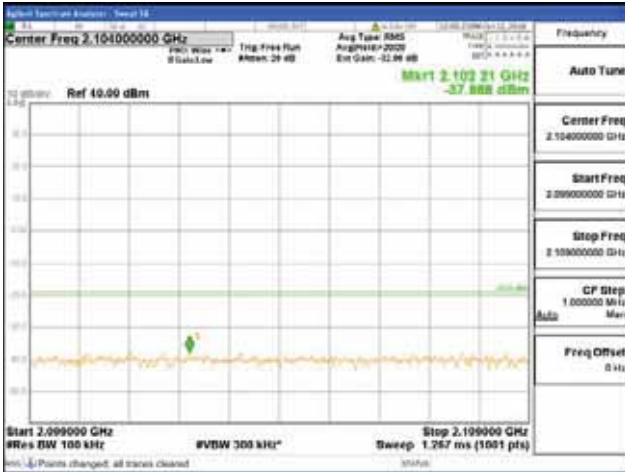




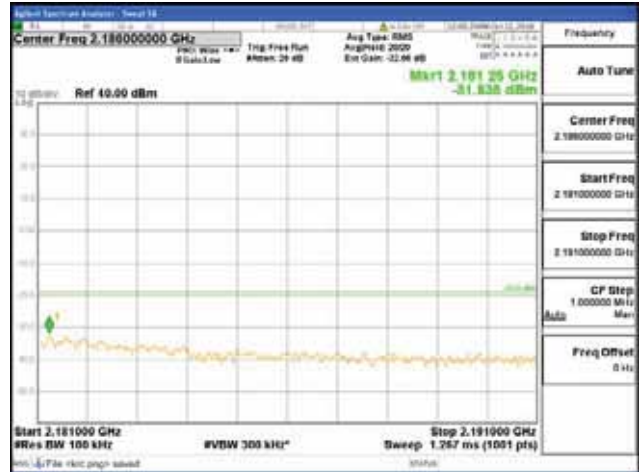
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



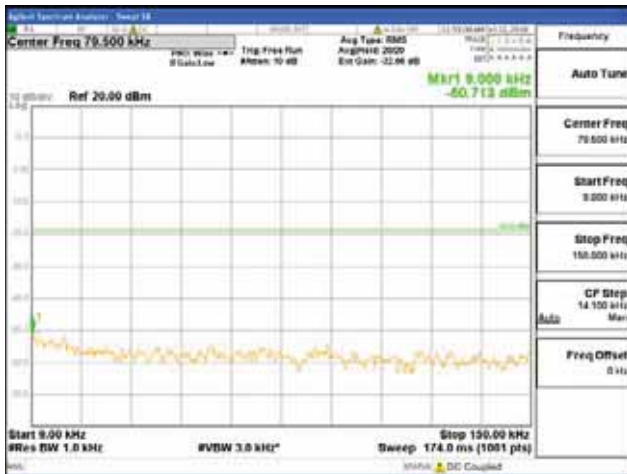


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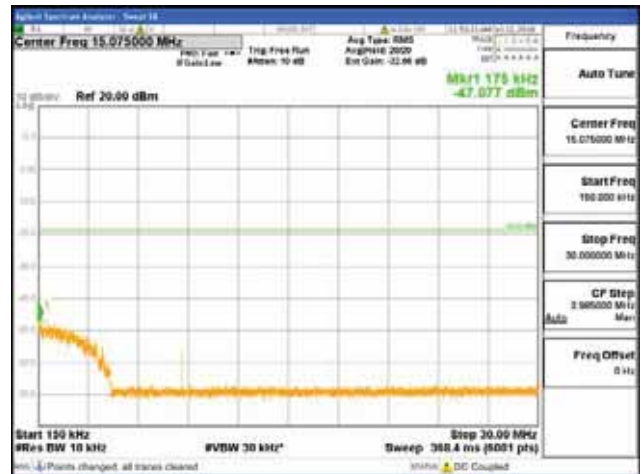
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[16QAM]

9 kHz - 150 kHz



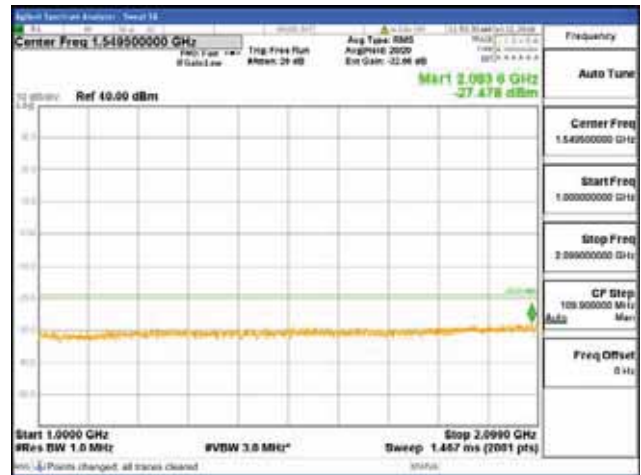
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

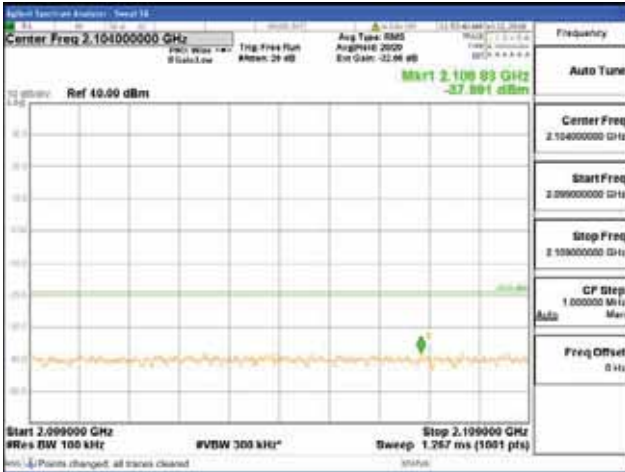




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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



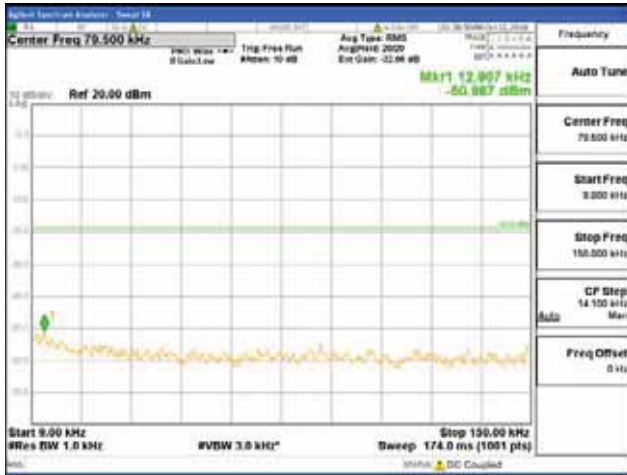


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[64QAM]

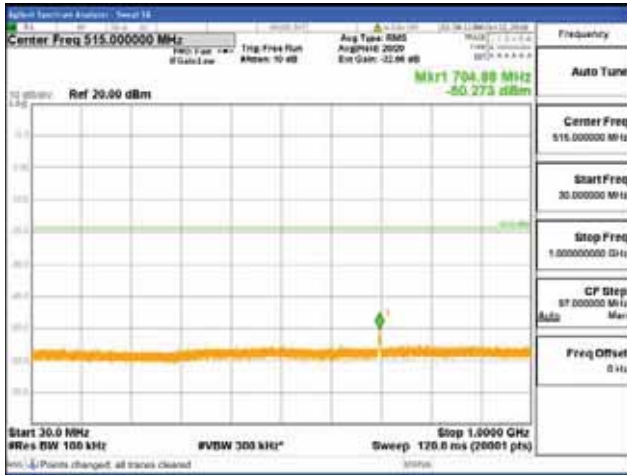
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

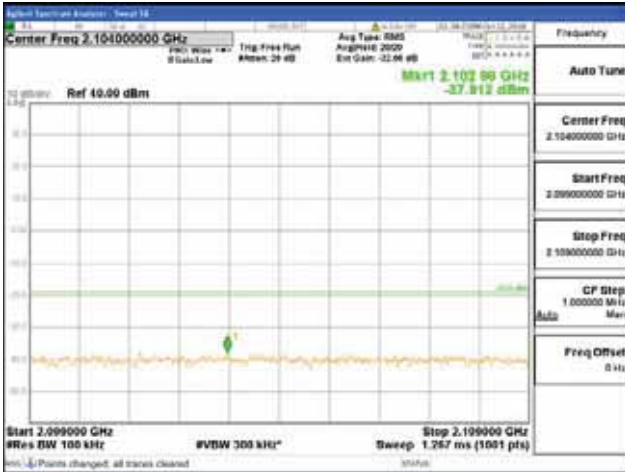




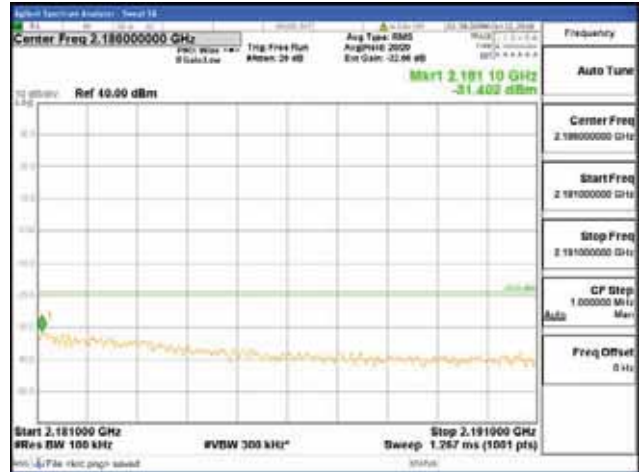
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



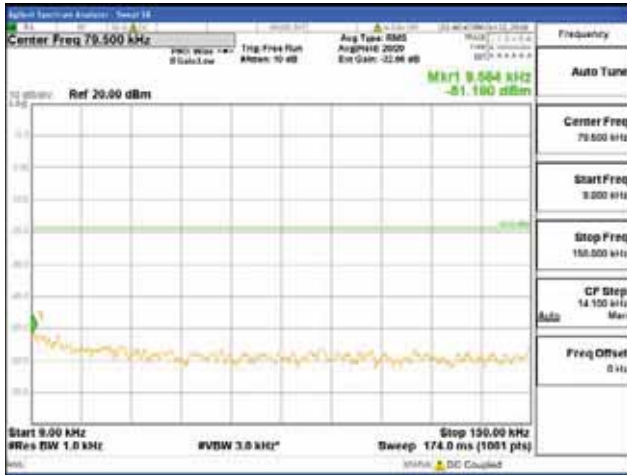


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[256QAM]

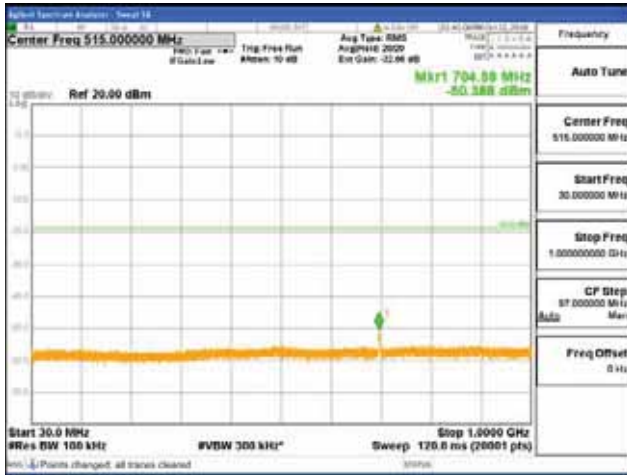
9 kHz - 150 kHz



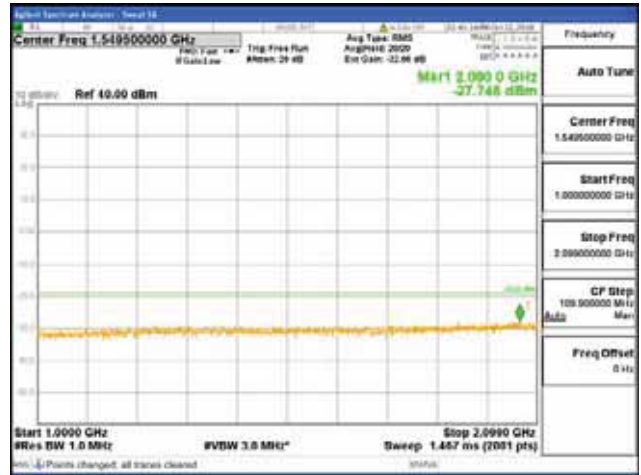
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz





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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz

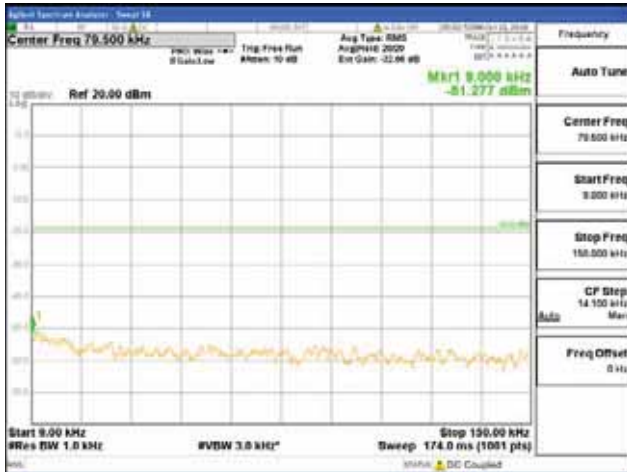


12.75 GHz - 26.5 GHz



ANT 4
Band 66, BW 5MHz, Single 1 carrier, 4TX, Bottom
[QPSK]

9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

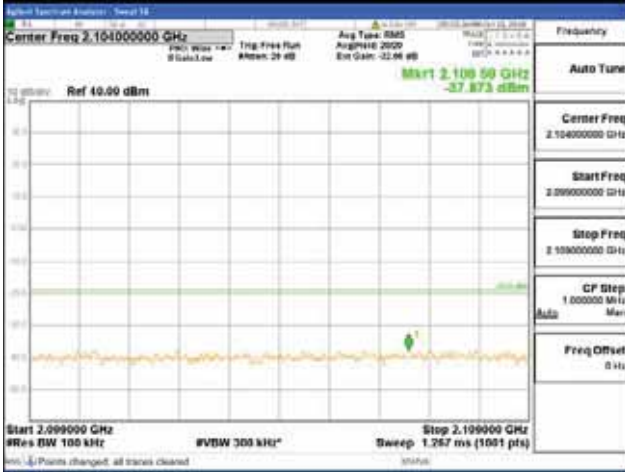




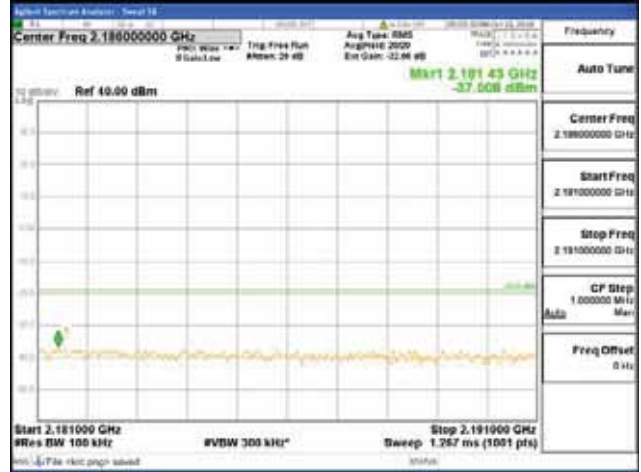
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



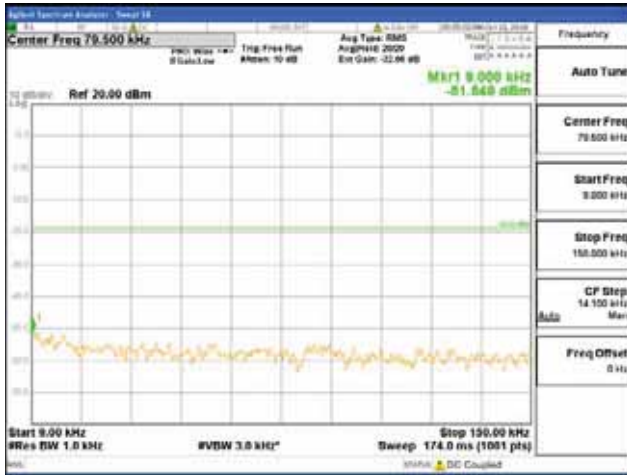


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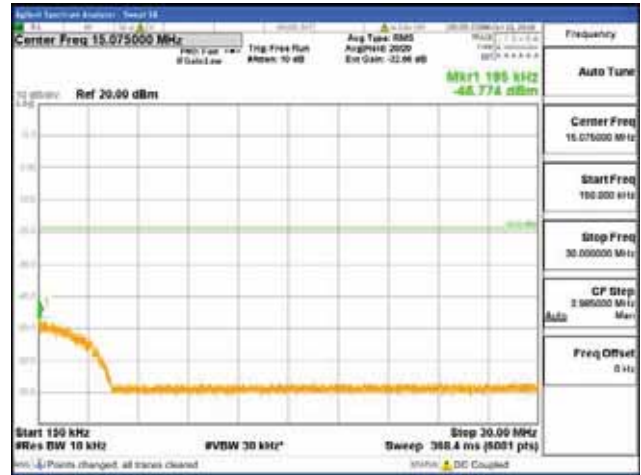
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[16QAM]

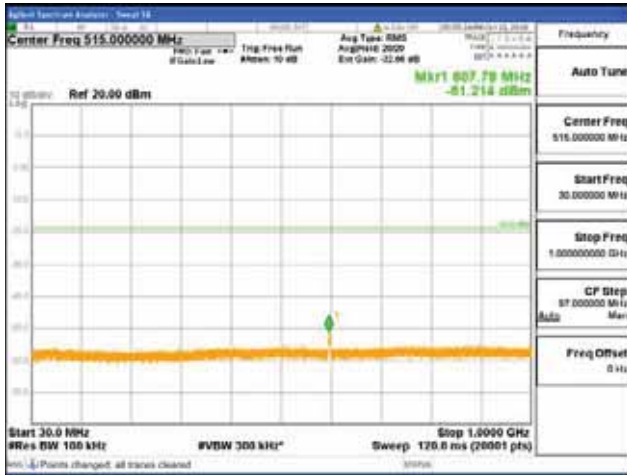
9 kHz - 150 kHz



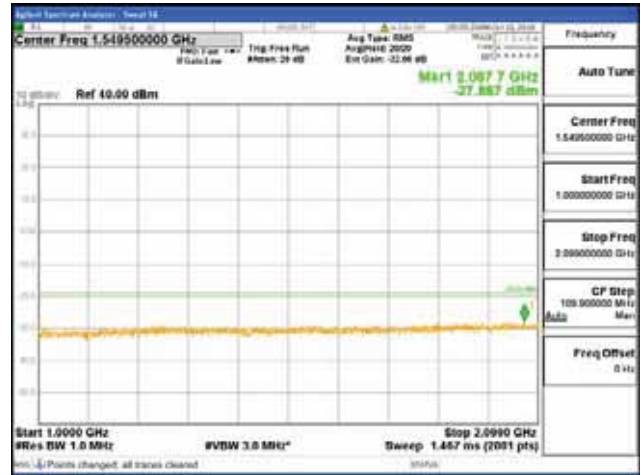
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz





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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



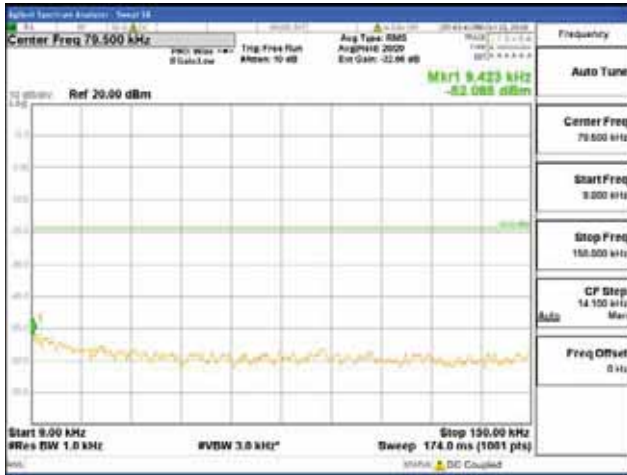


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[64QAM]

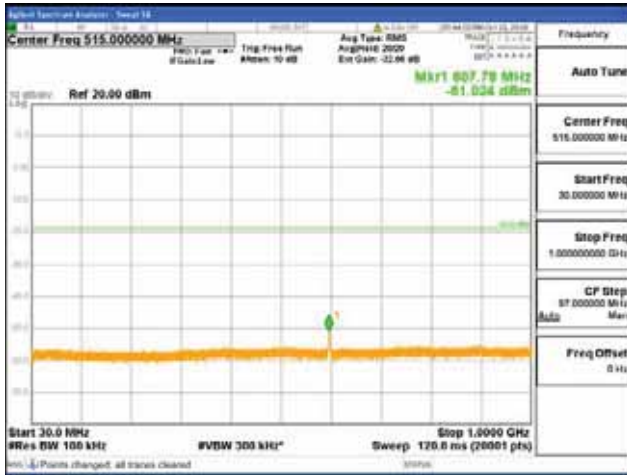
9 kHz - 150 kHz



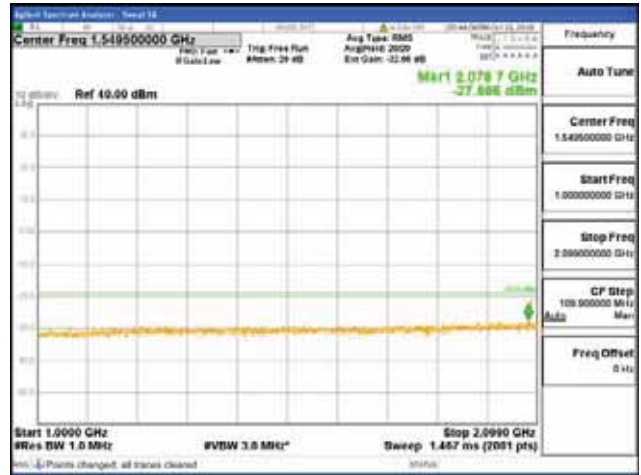
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

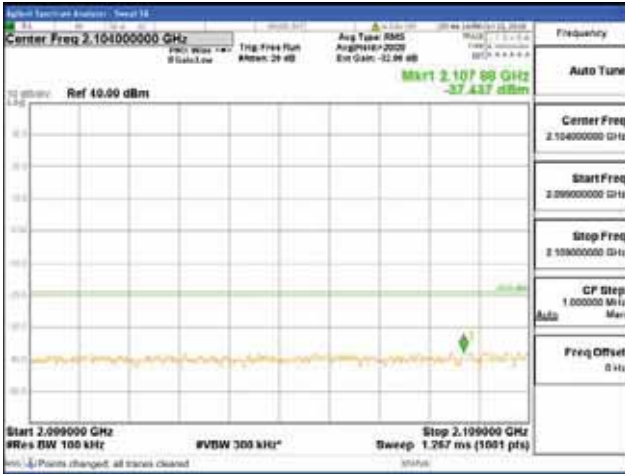




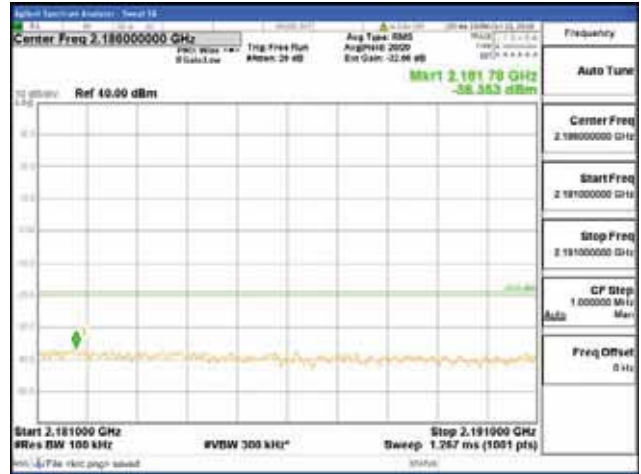
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



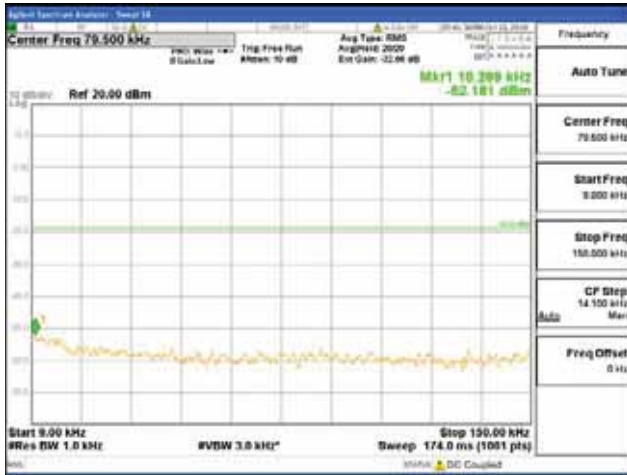


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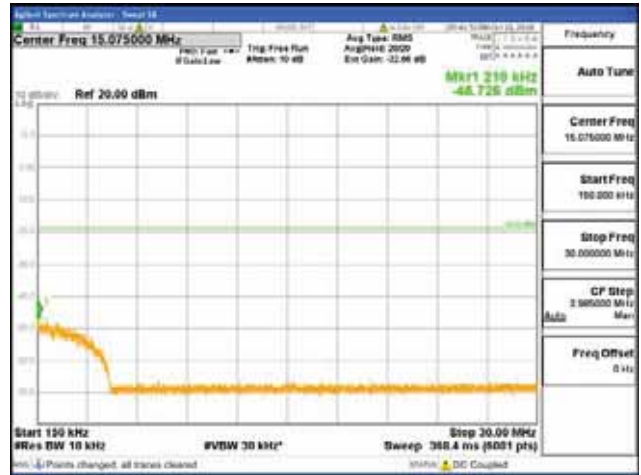
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[256QAM]

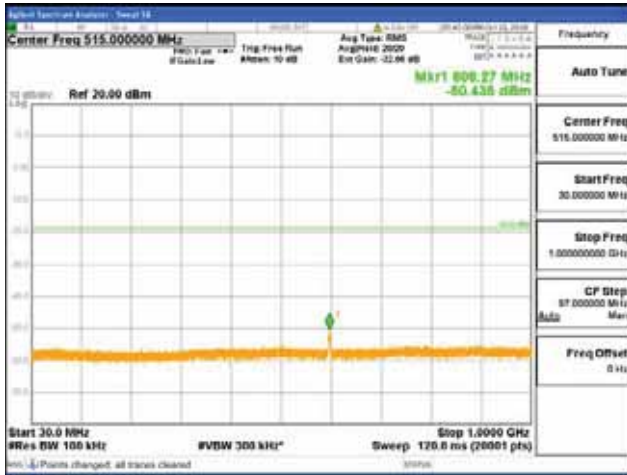
9 kHz - 150 kHz



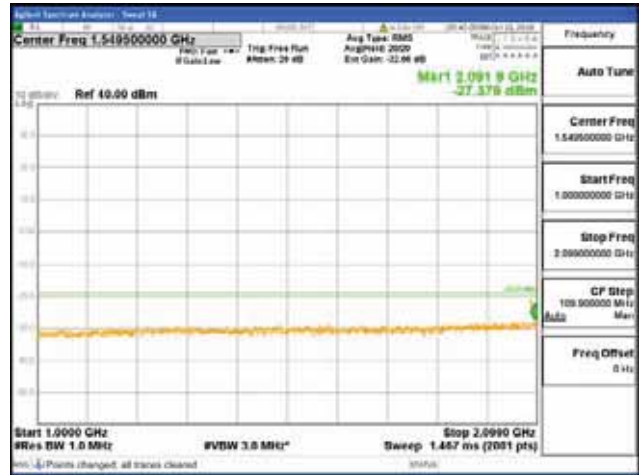
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

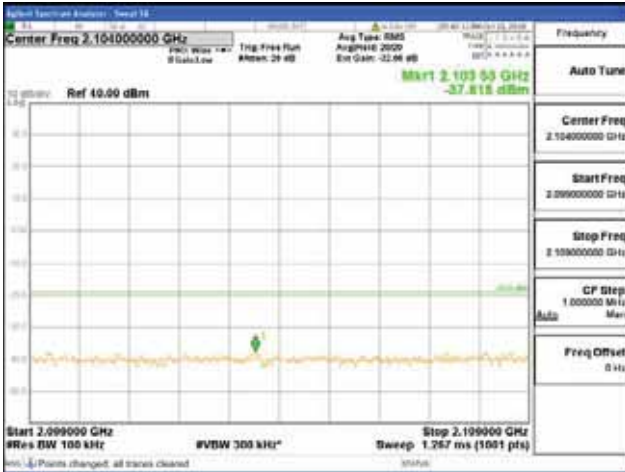




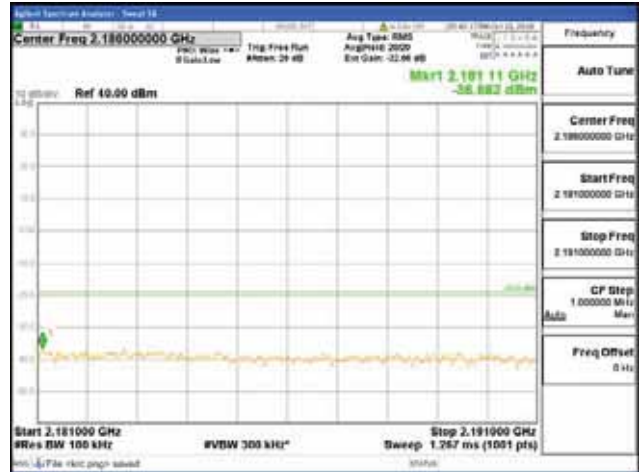
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



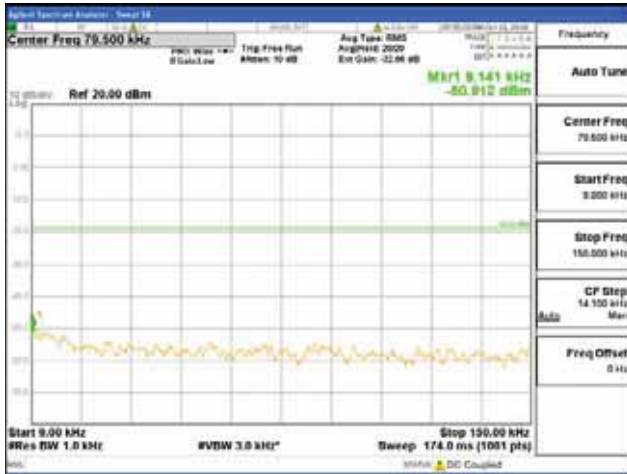


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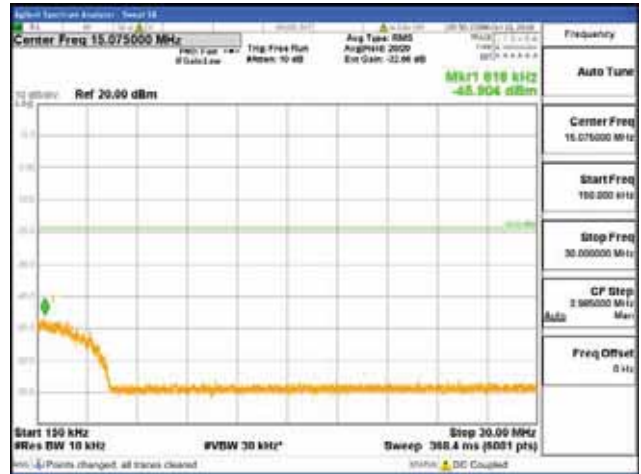
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Band 66, BW 5MHz, Single 1 carrier, 4TX, Middle
 [QPSK]

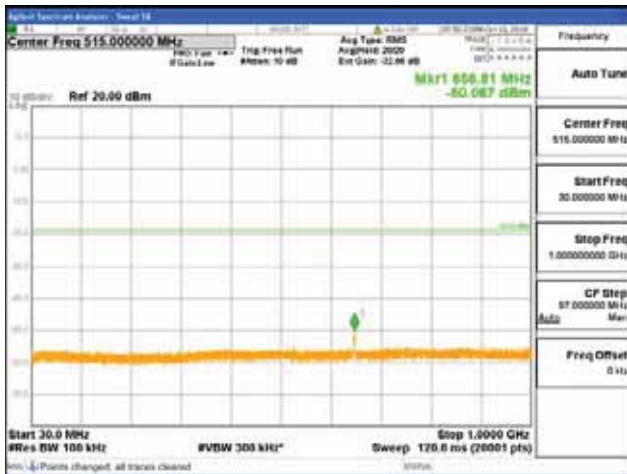
9 kHz - 150 kHz



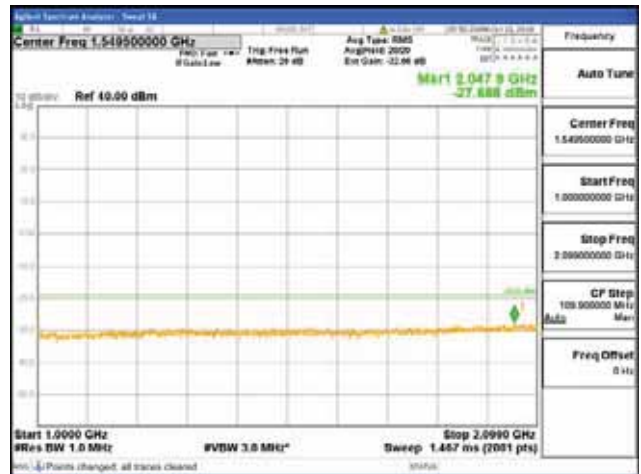
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

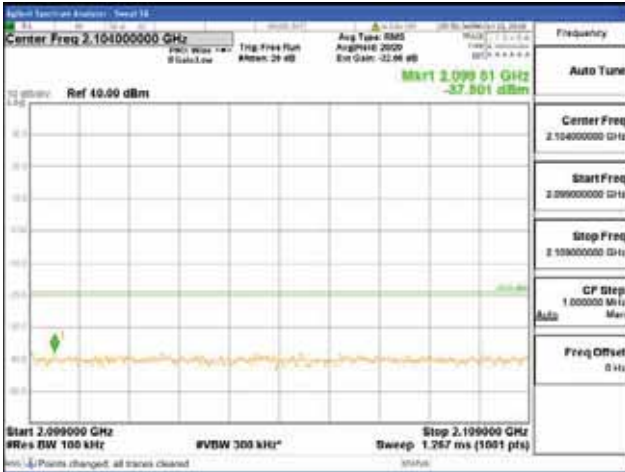




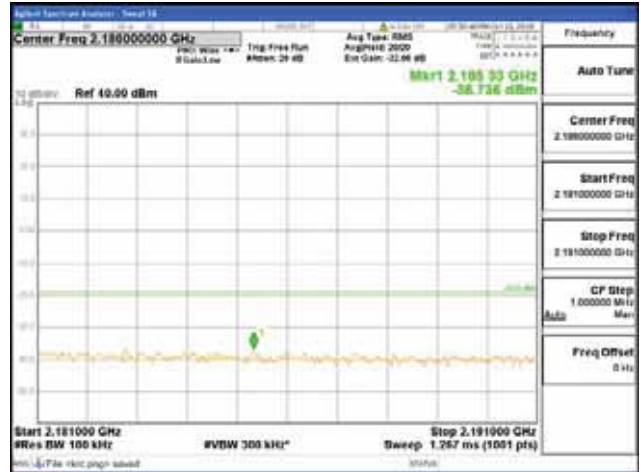
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



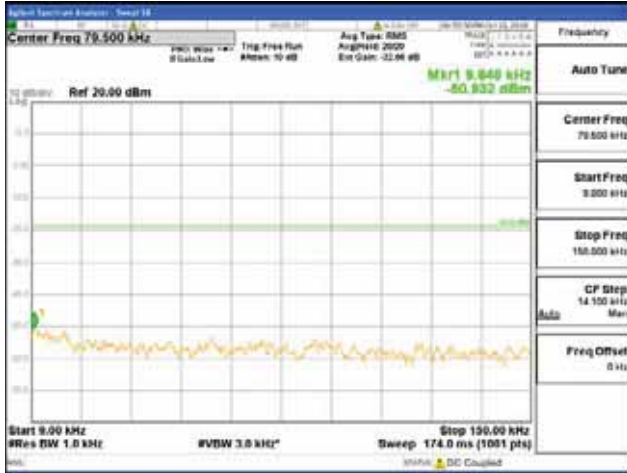


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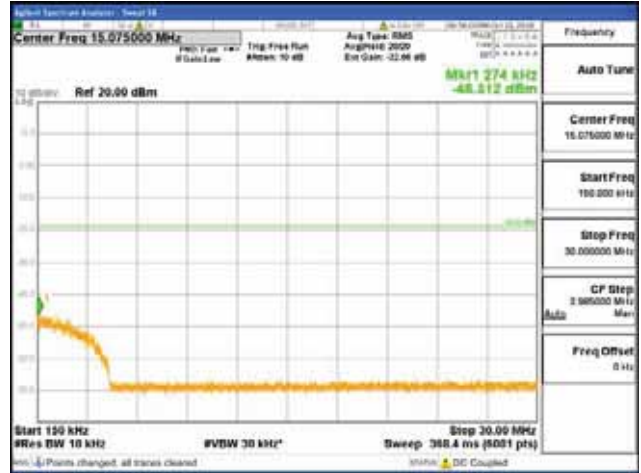
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[16QAM]

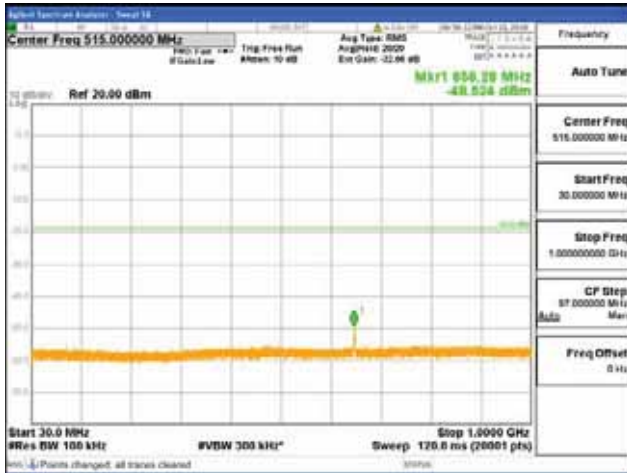
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

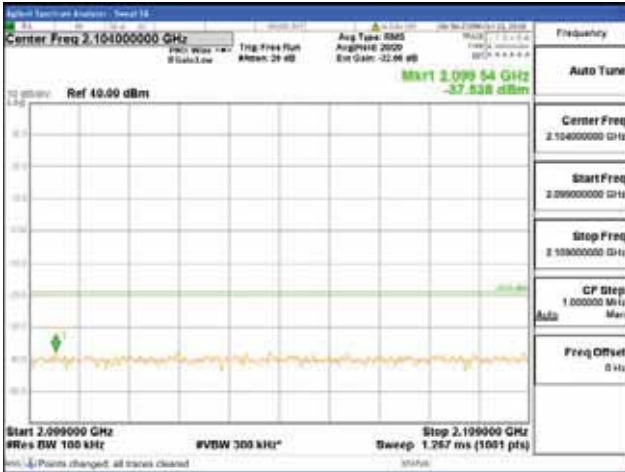




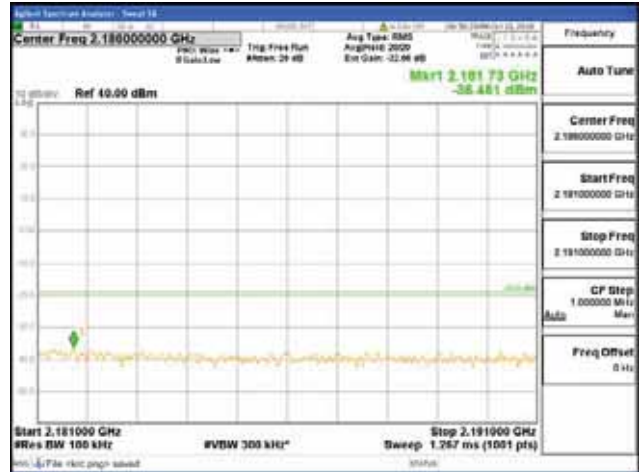
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz





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[64QAM]

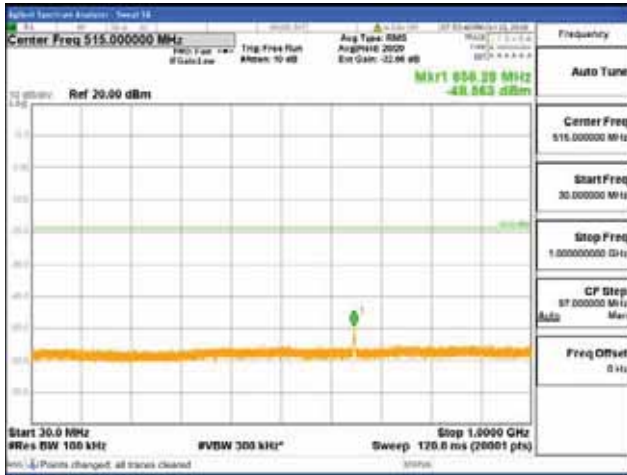
9 kHz - 150 kHz



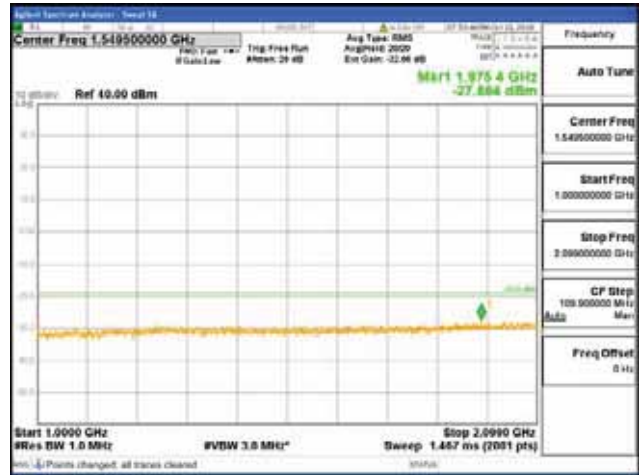
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

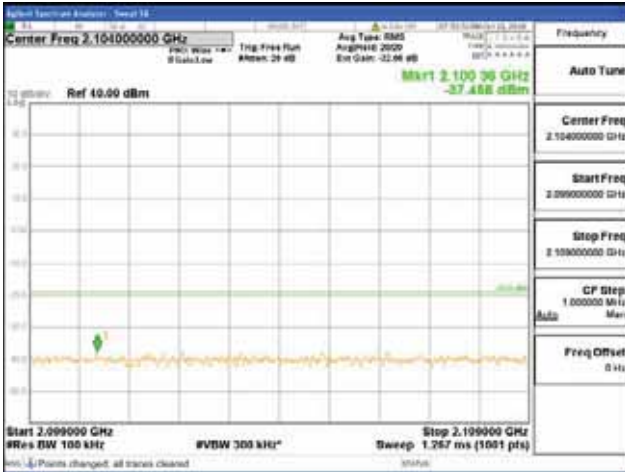




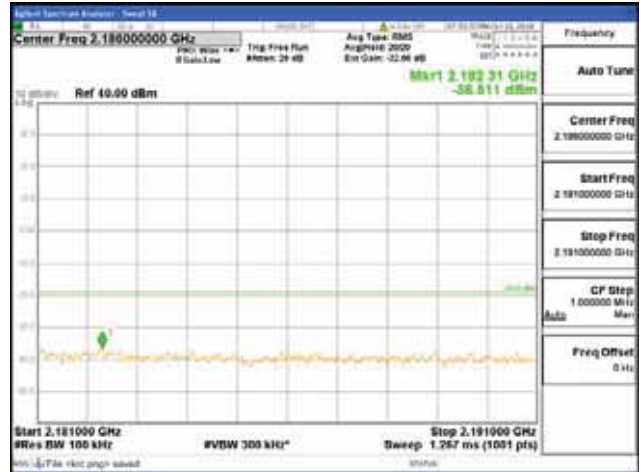
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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



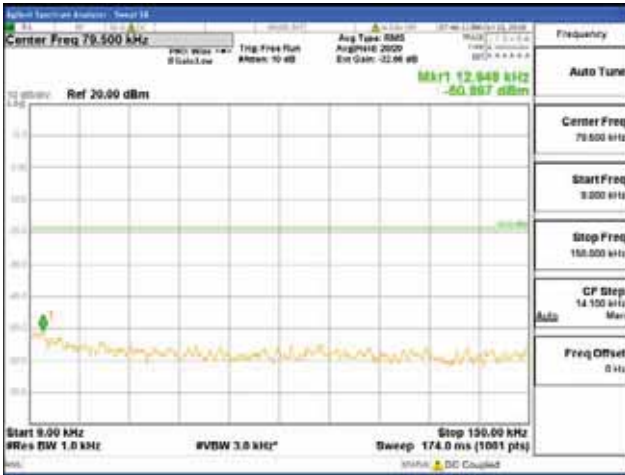


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[256QAM]

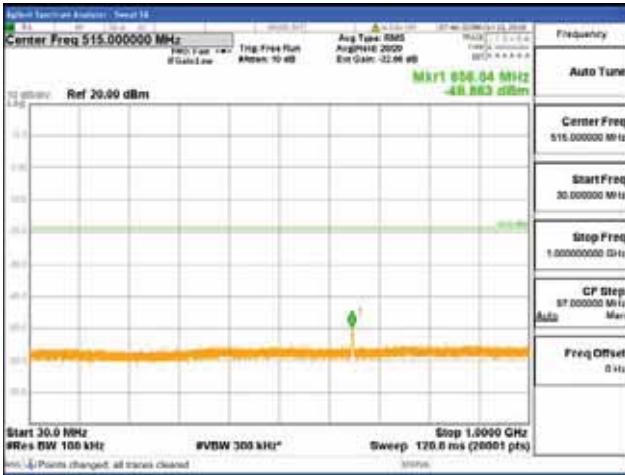
9 kHz - 150 kHz



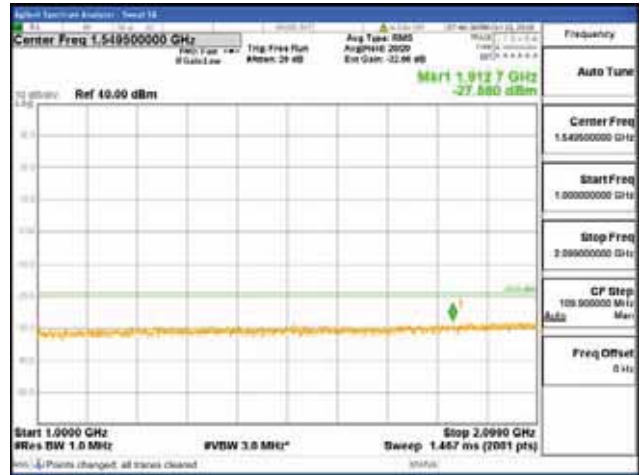
150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

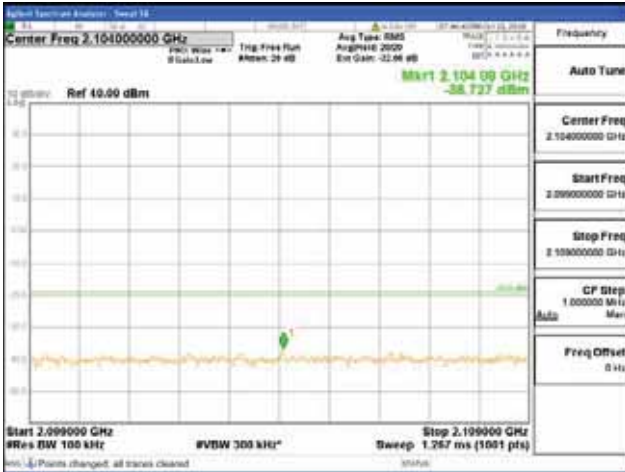




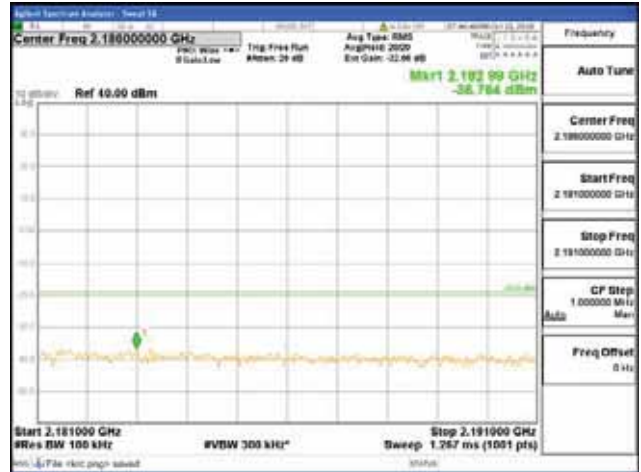
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2099 MHz - 2109 MHz



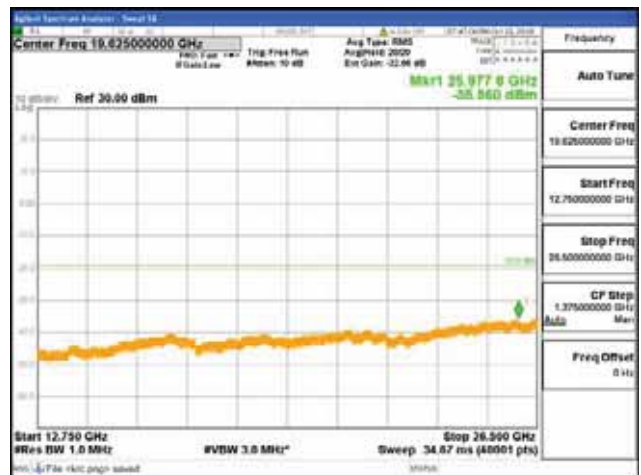
2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



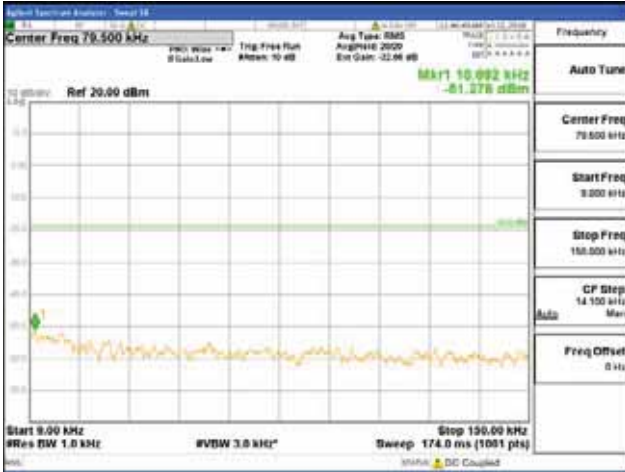
12.75 GHz - 26.5 GHz





Band 66, BW 5MHz, Single 1 carrier, 4TX, Top
 [QPSK]

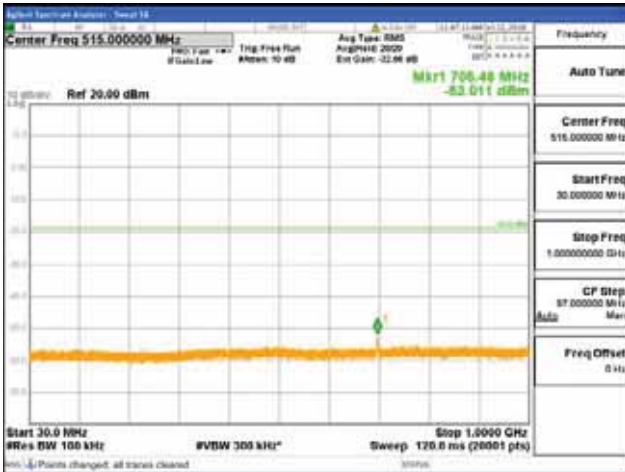
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

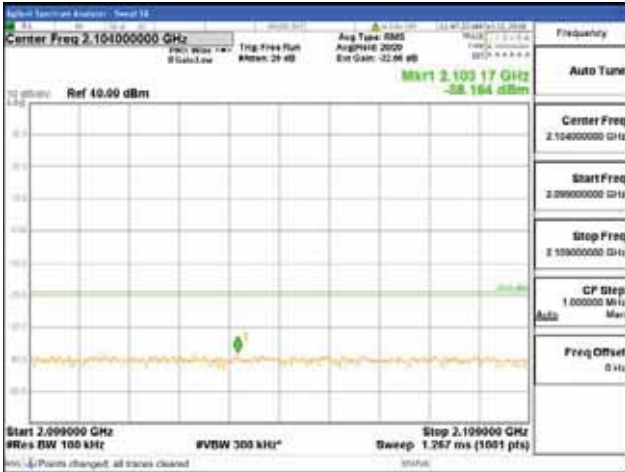




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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



12.75 GHz - 26.5 GHz



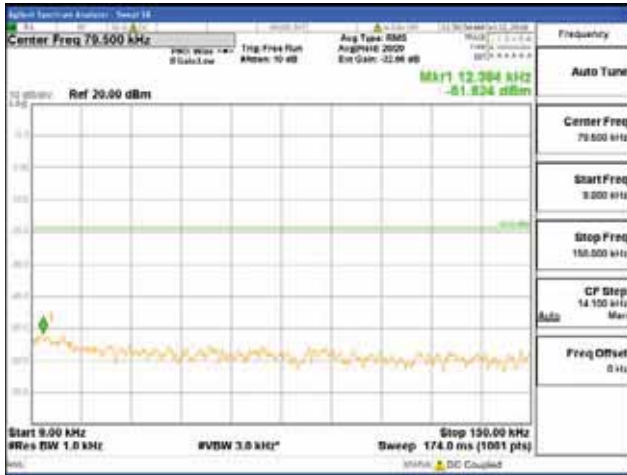


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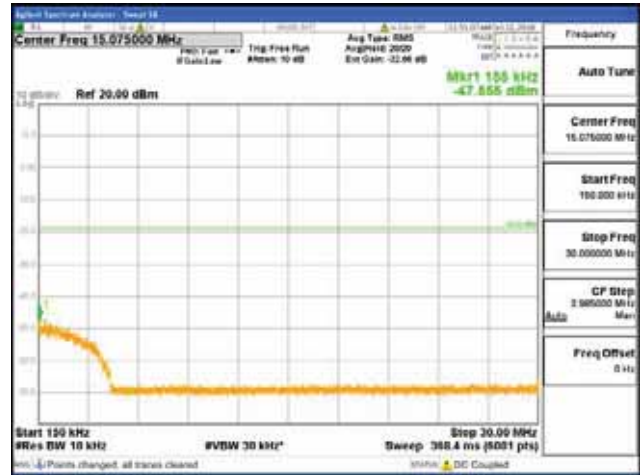
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[16QAM]

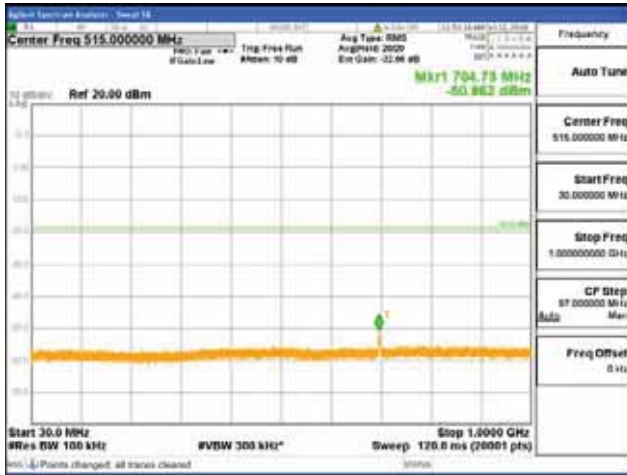
9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 1000 MHz



1000 MHz - 2099 MHz

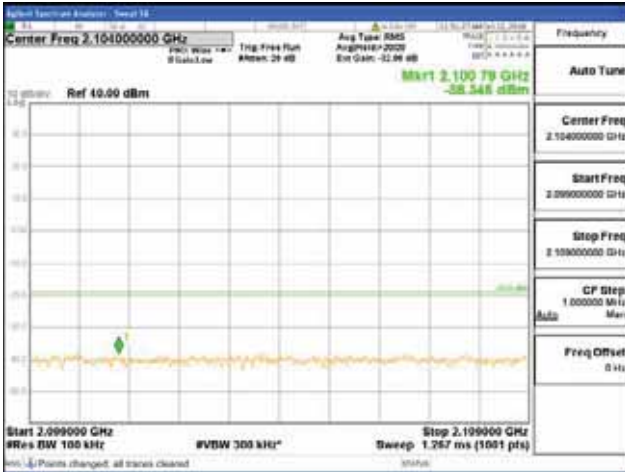




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2099 MHz - 2109 MHz



2181 MHz - 2191 MHz



2191 MHz - 12.75 GHz



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