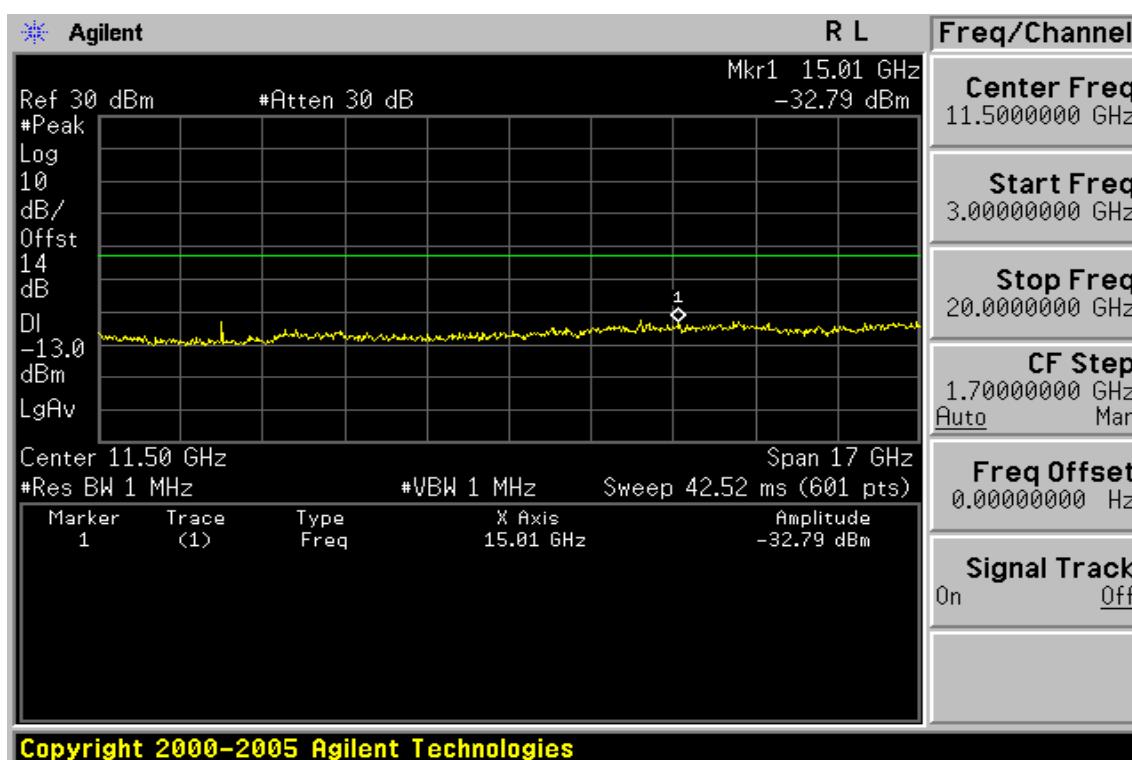
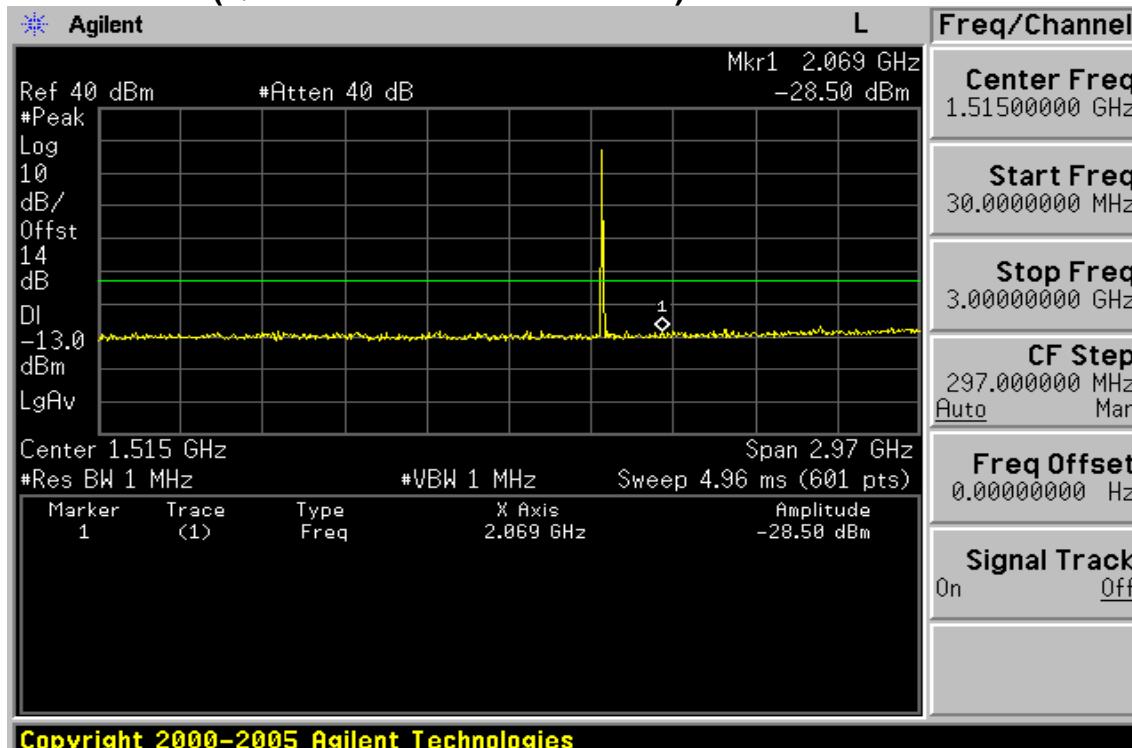


**Out of Band emission at antenna terminals–1.4MHz BW LTE-Band 2  
(QPSK RB Number: 1 Offset: 0) Channel Lowest**

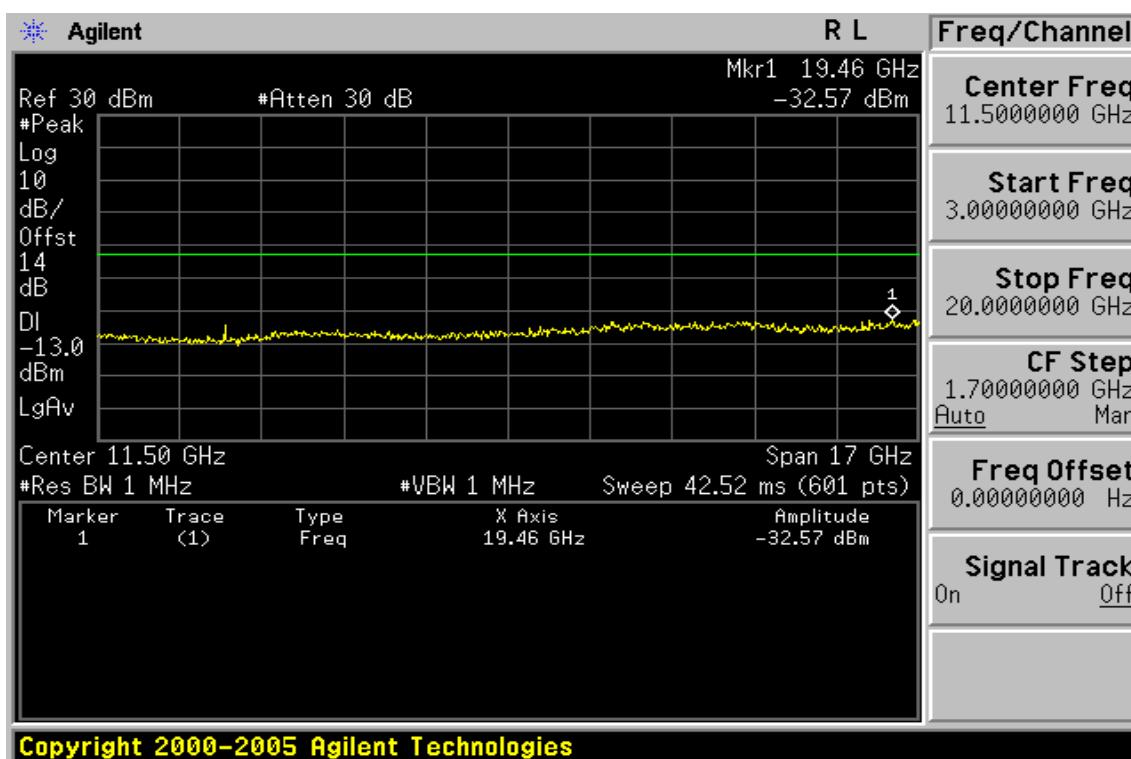
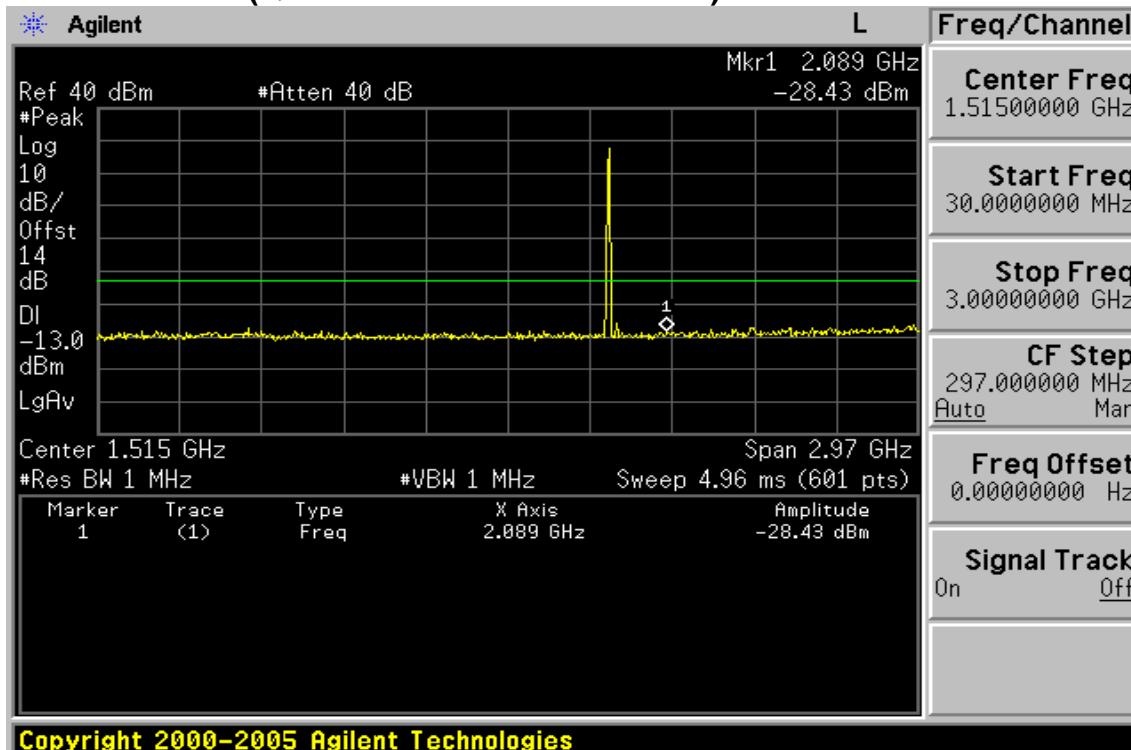


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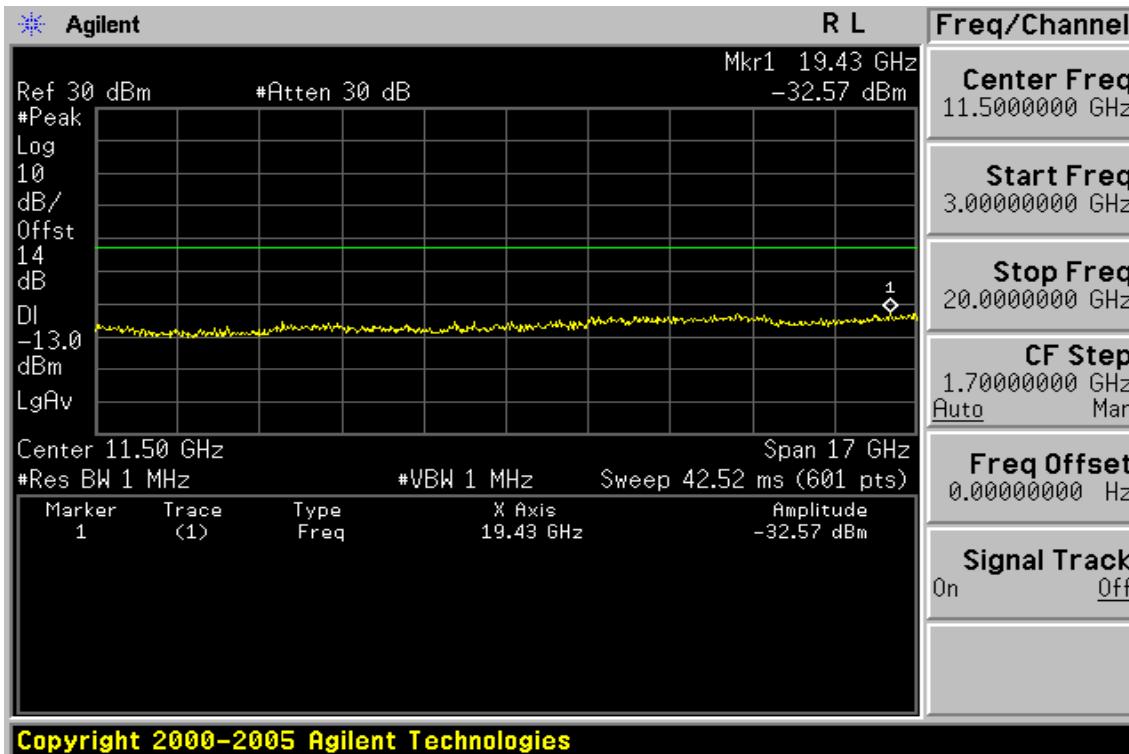
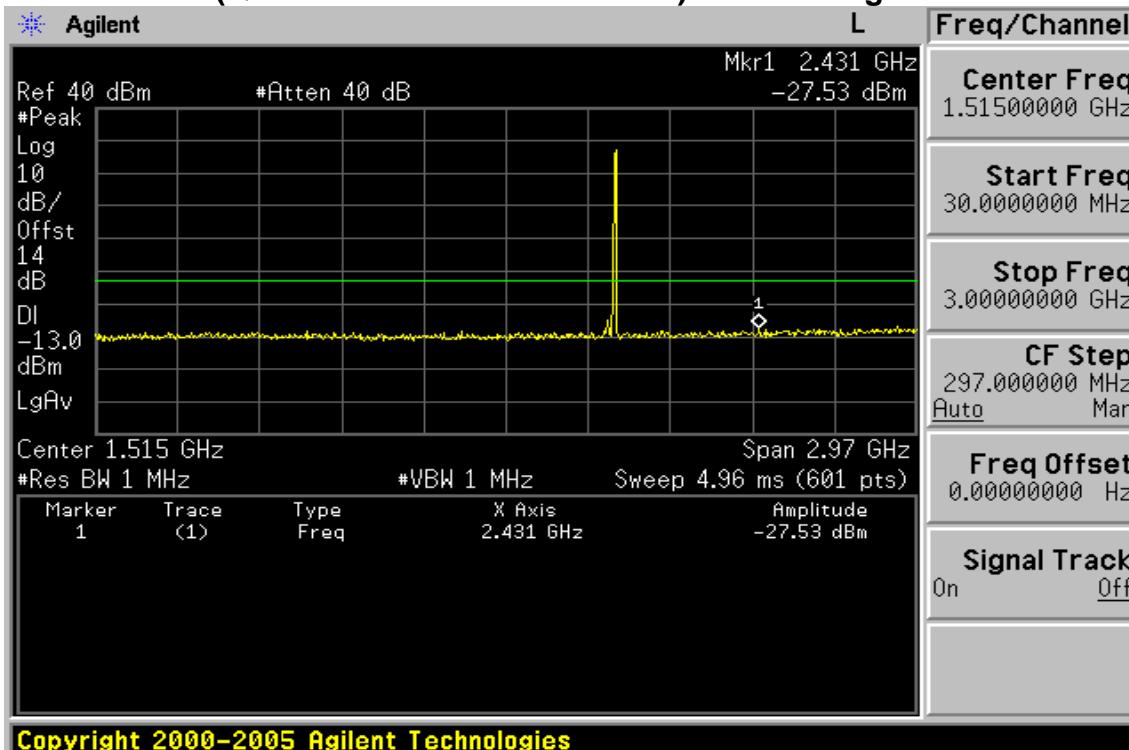
Out of Band emission at antenna terminals—1.4MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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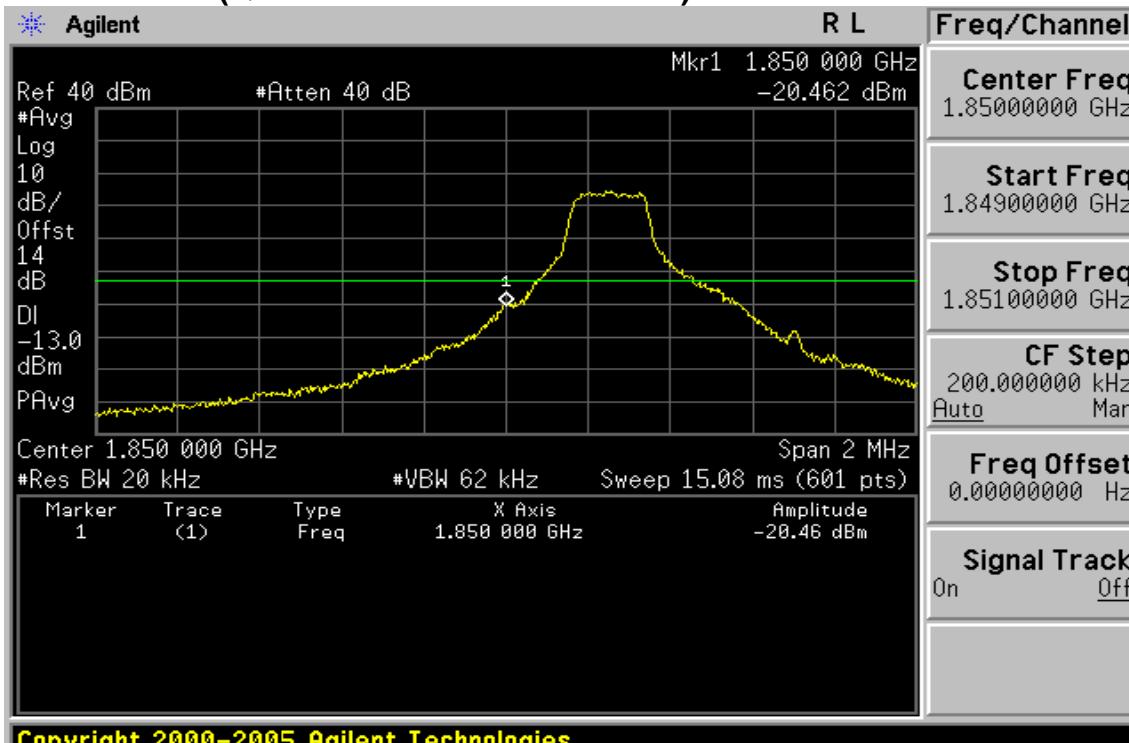
Out of Band emission at antenna terminals—1.4MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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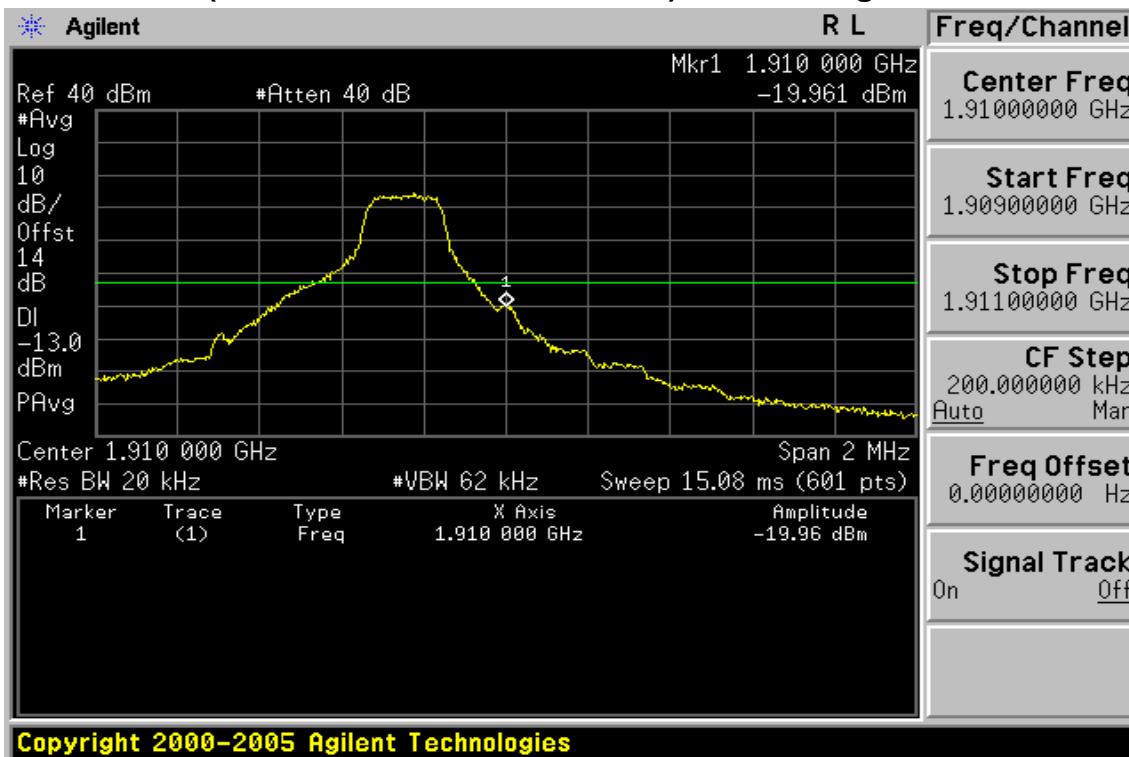
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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals –1.4MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 5) Channel Highest


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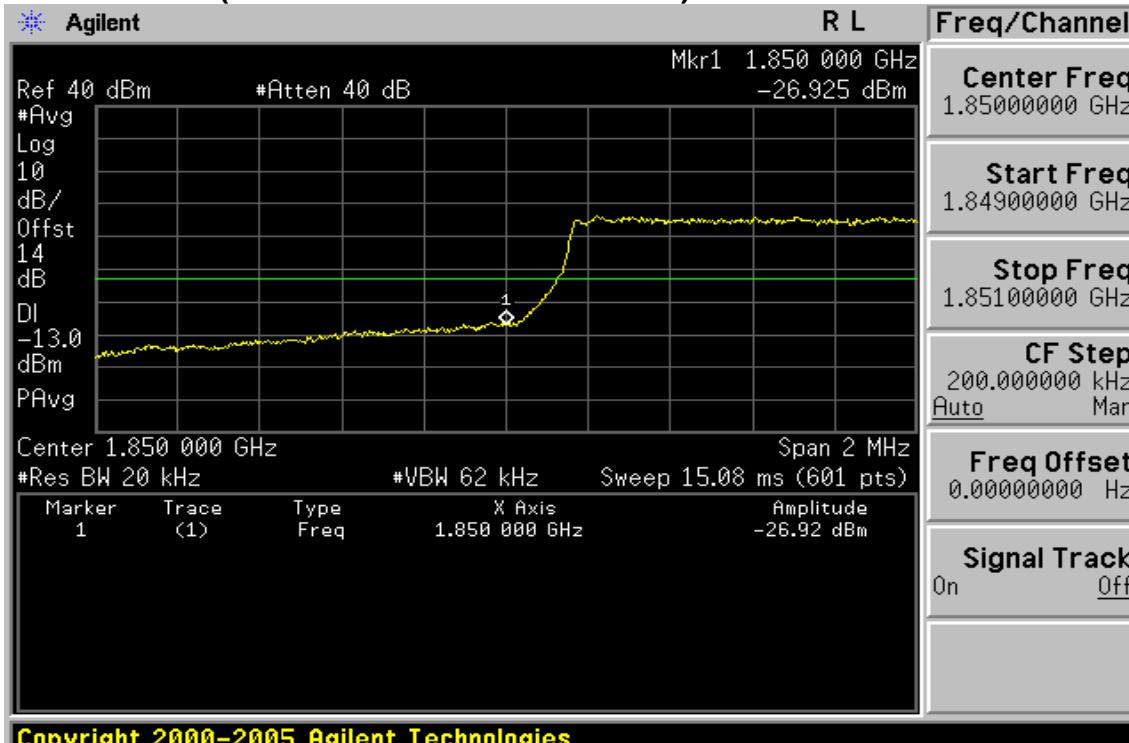
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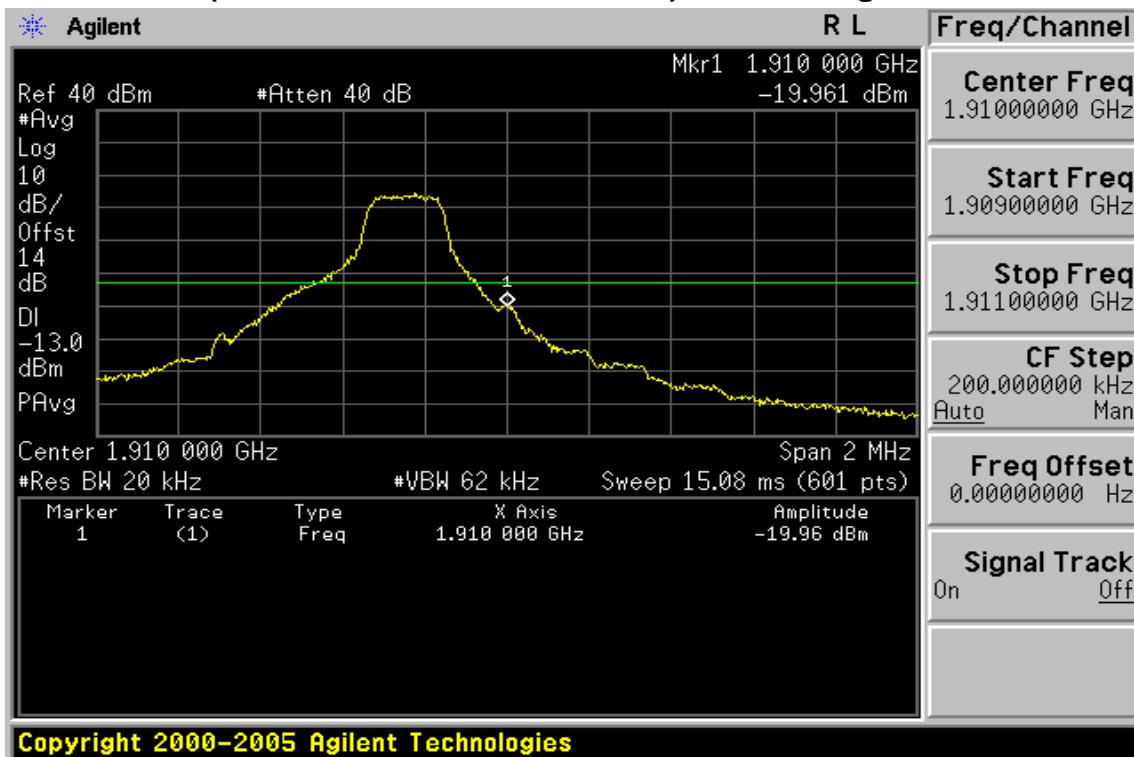
f (886-2) 2298-0488

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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 2  
 (QPSK RB Number: 6 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals –1.4MHz BW LTE-Band 2  
 (QPSK RB Number: 6 Offset: 0) Channel Highest


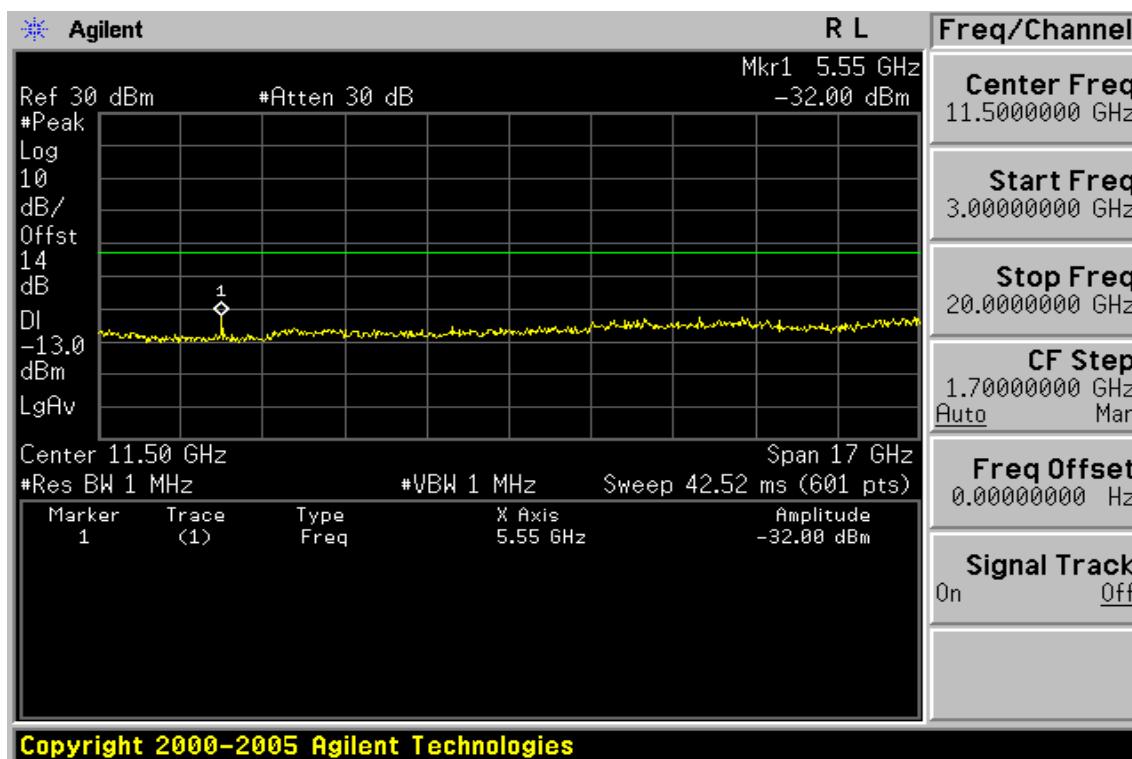
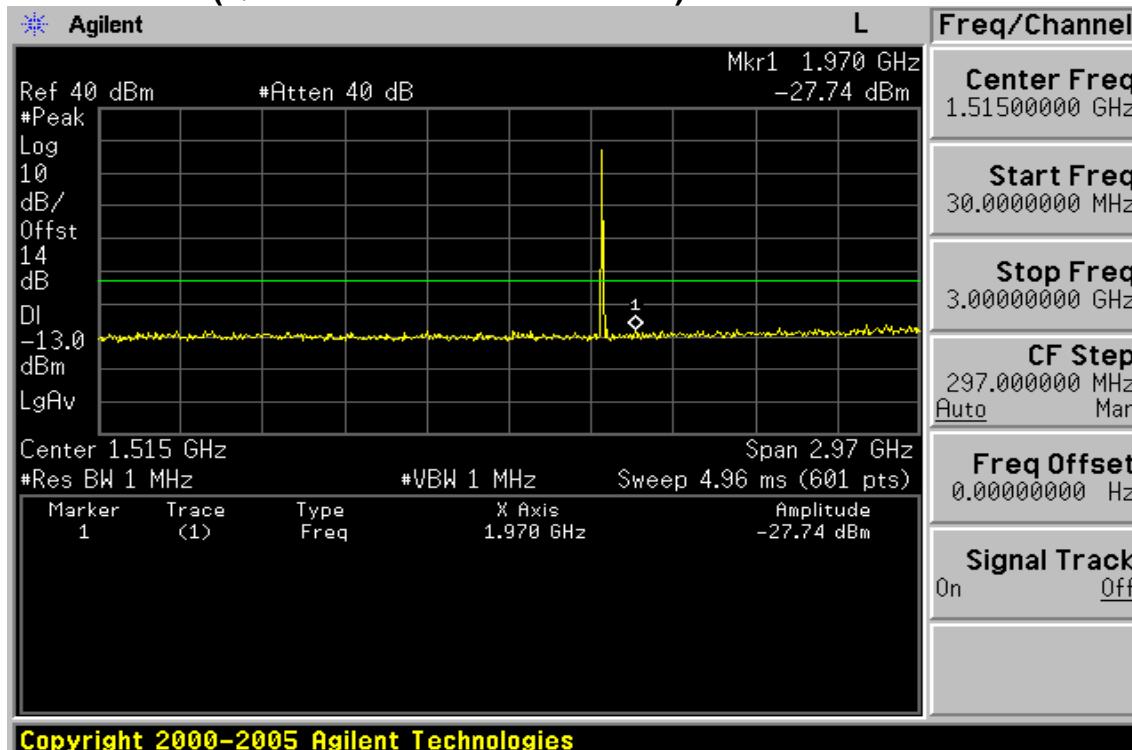
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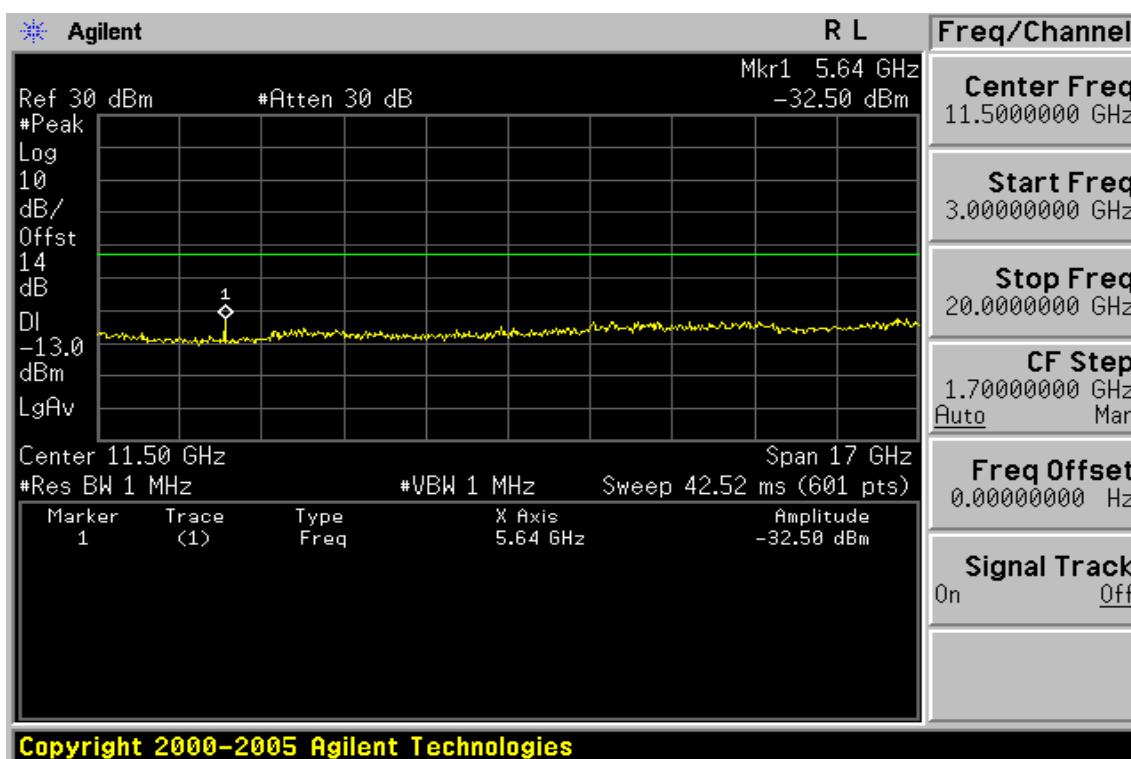
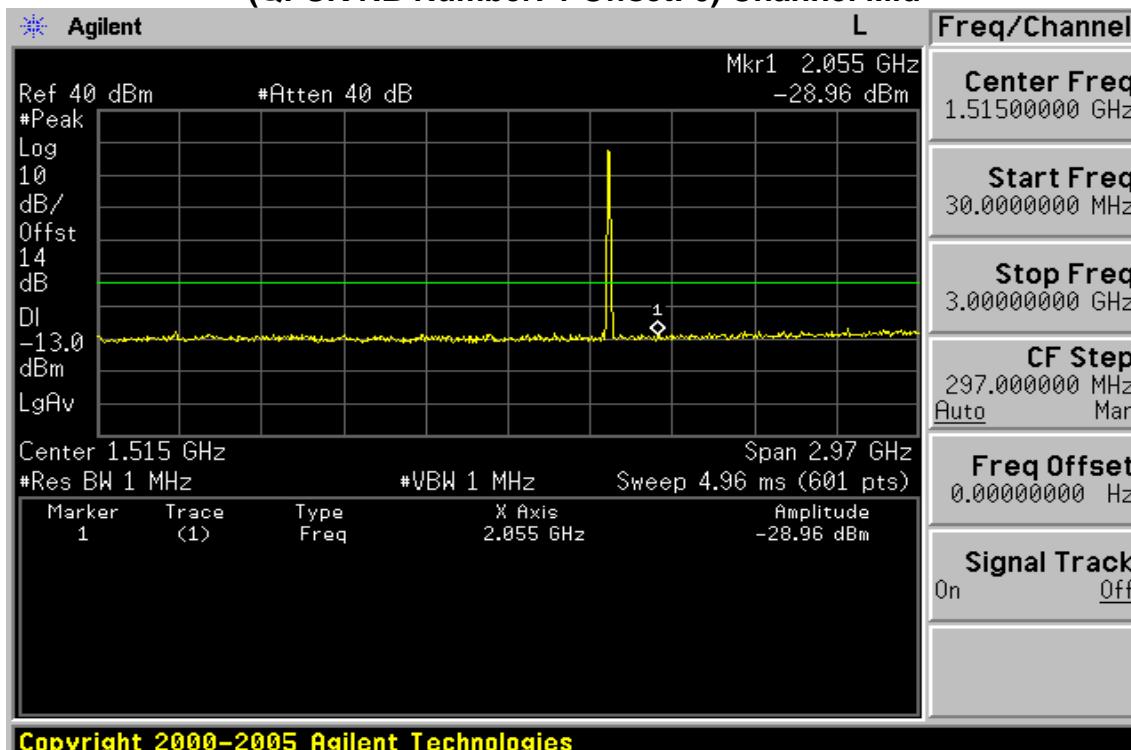
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Out of Band emission at antenna terminals–3MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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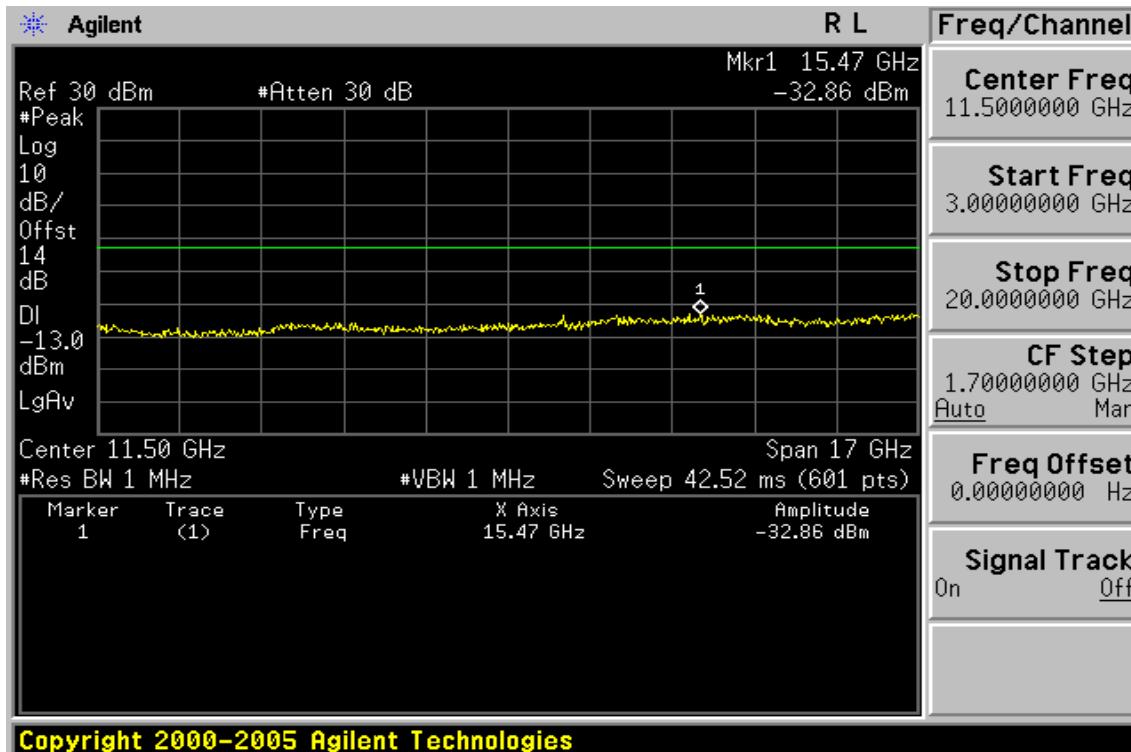
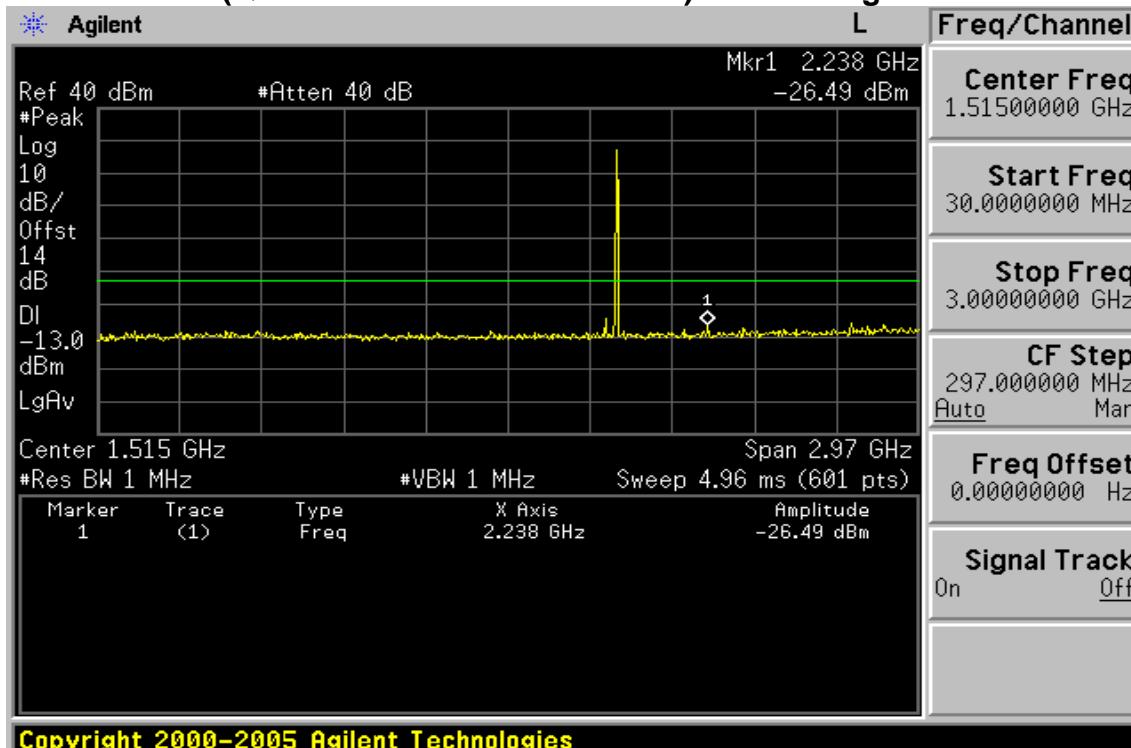
Out of Band emission at antenna terminals –3MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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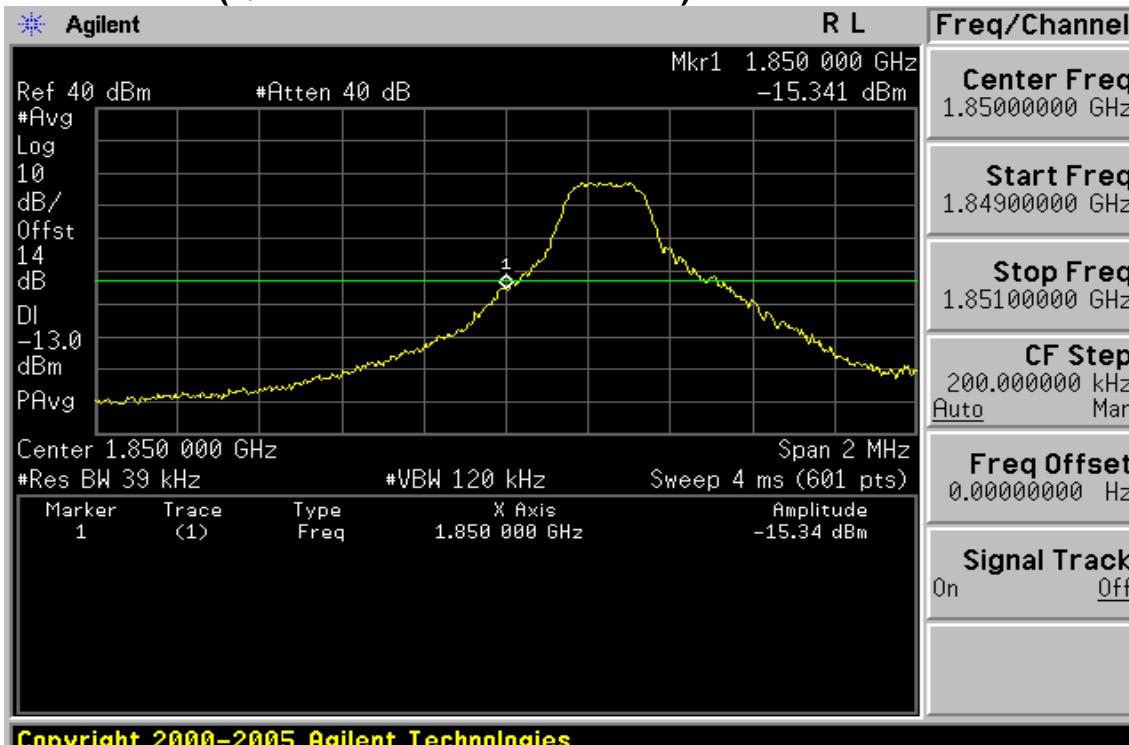
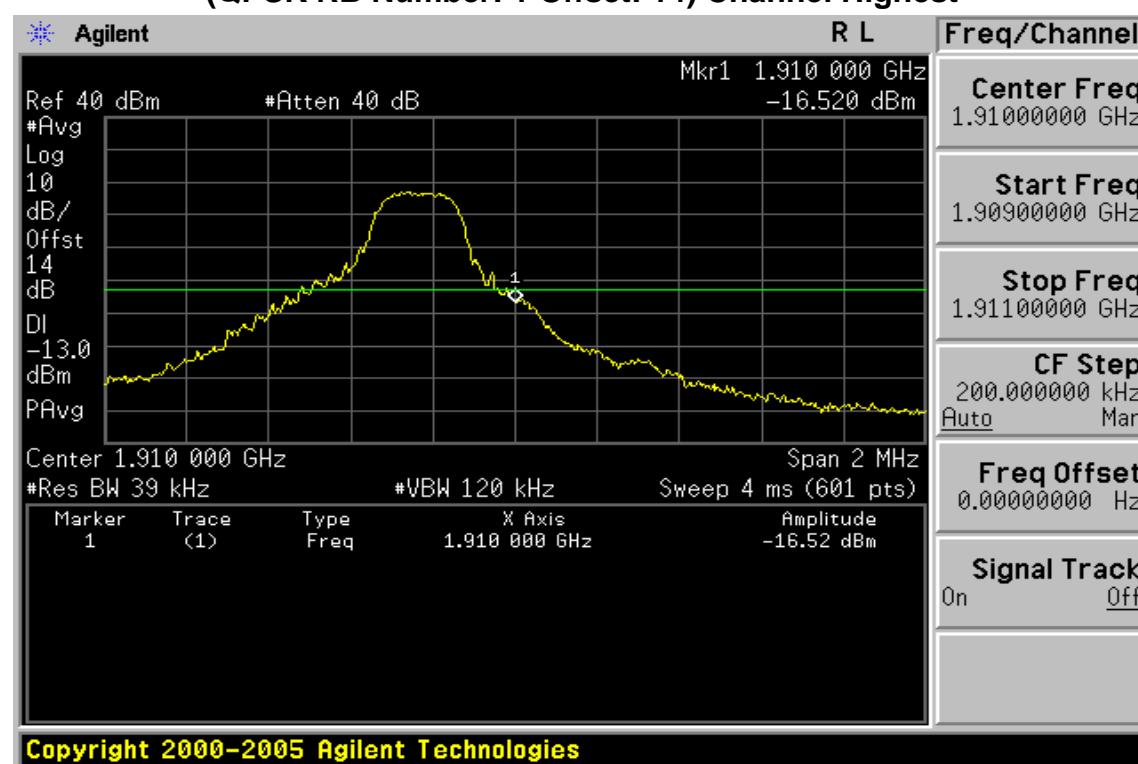
Out of Band emission at antenna terminals–3MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0)Channel Highest


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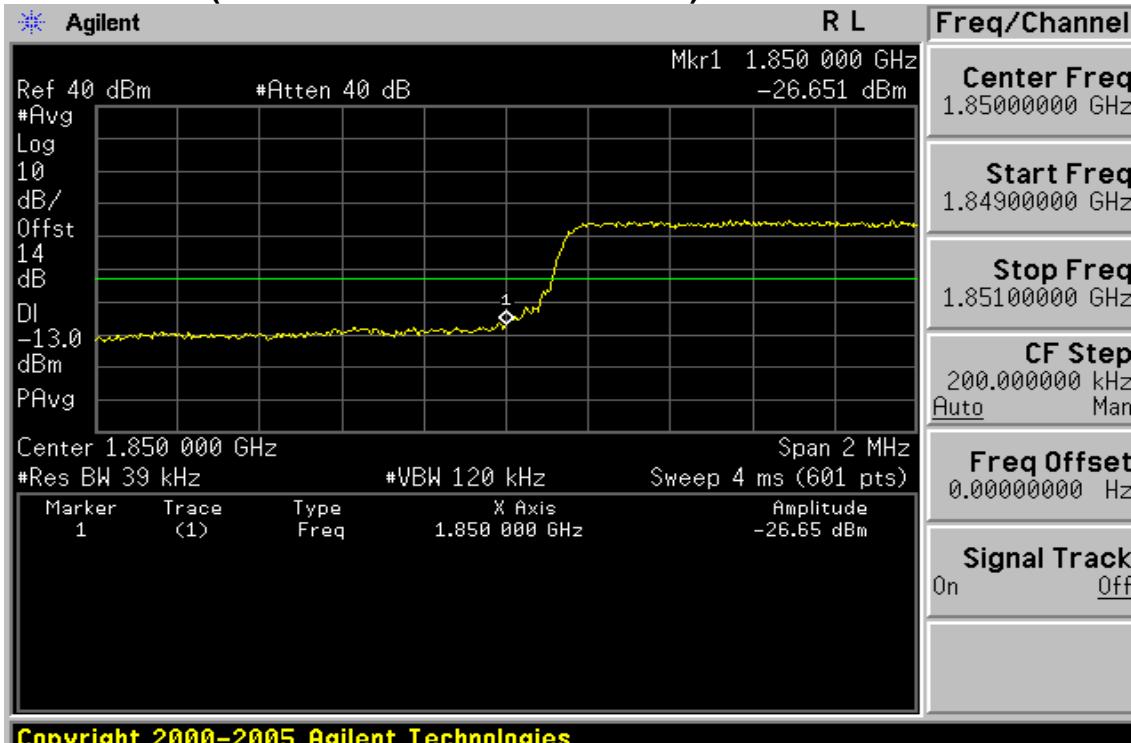
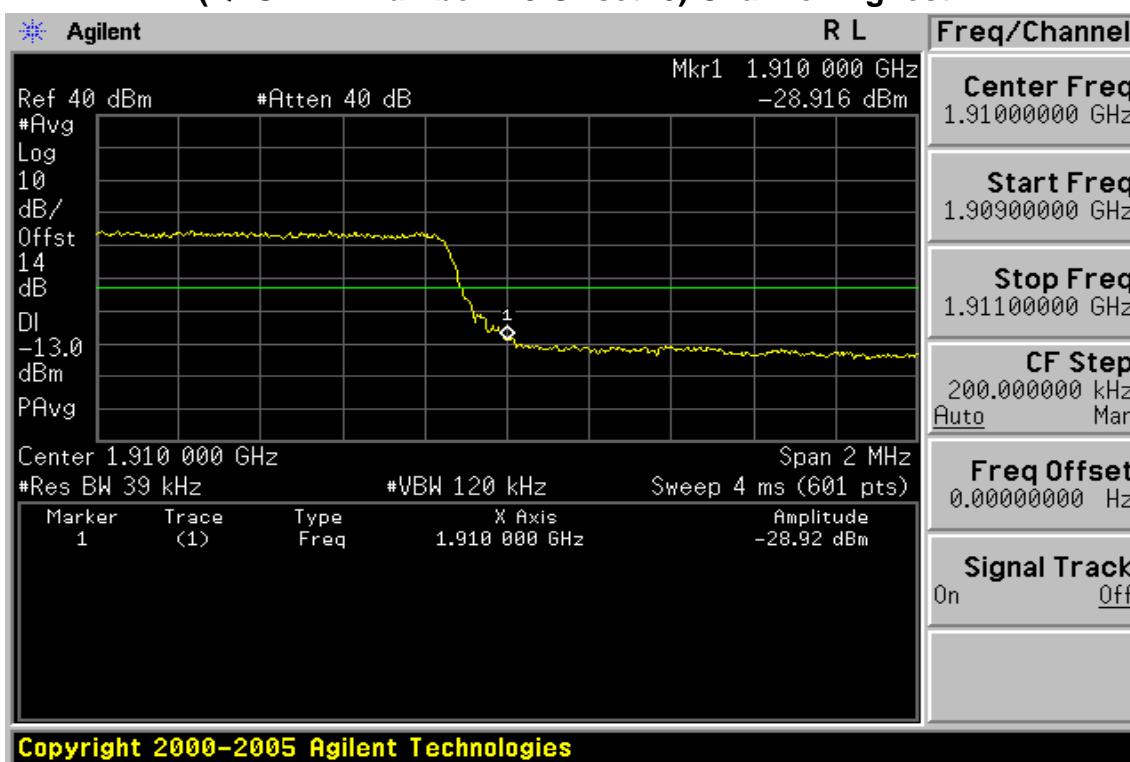
Band edge emission at antenna terminals –3MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –3MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 14) Channel Highest


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Band edge emission at antenna terminals –3MHz BW LTE-Band 2  
 (QPSK RB Number: 15 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –3MHz BW LTE-Band 2  
 (QPSK RB Number: 15 Offset: 0) Channel Highest


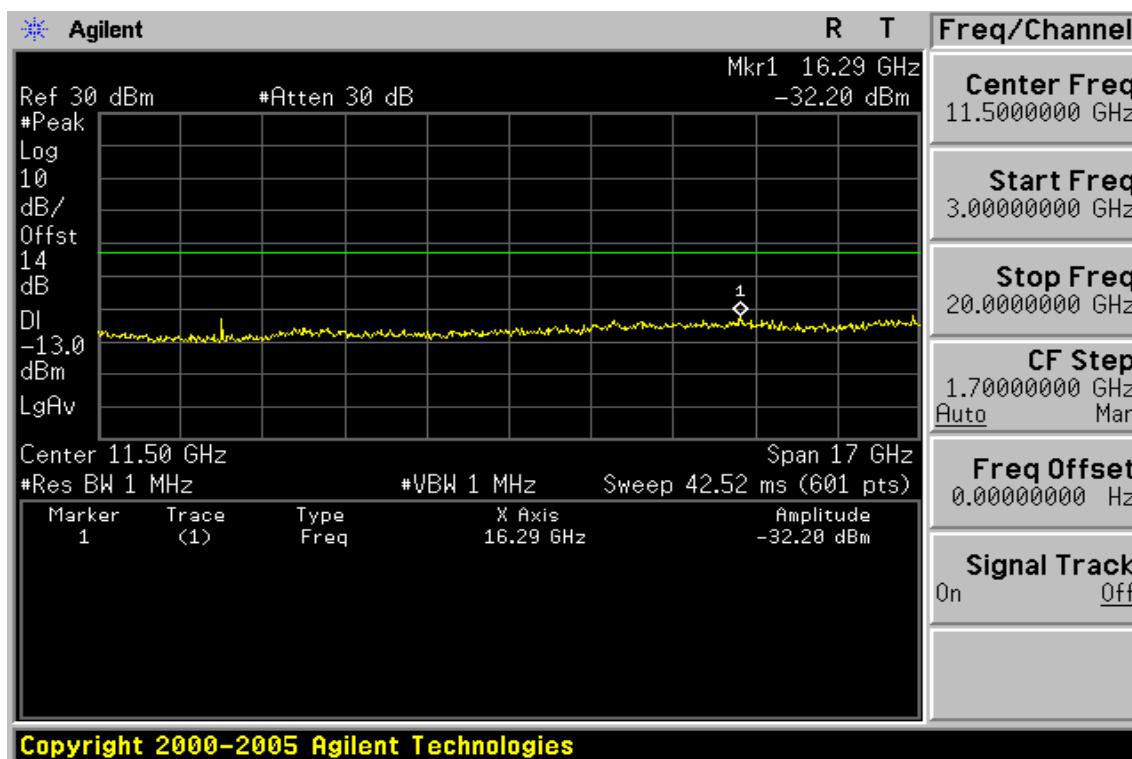
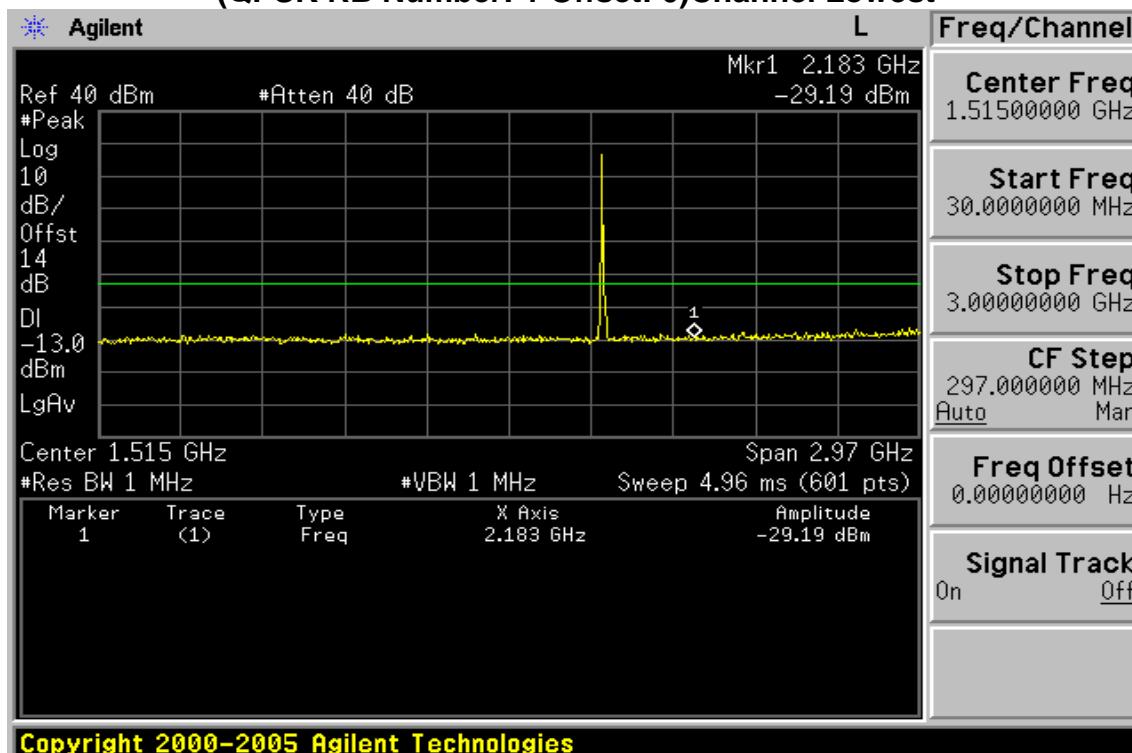
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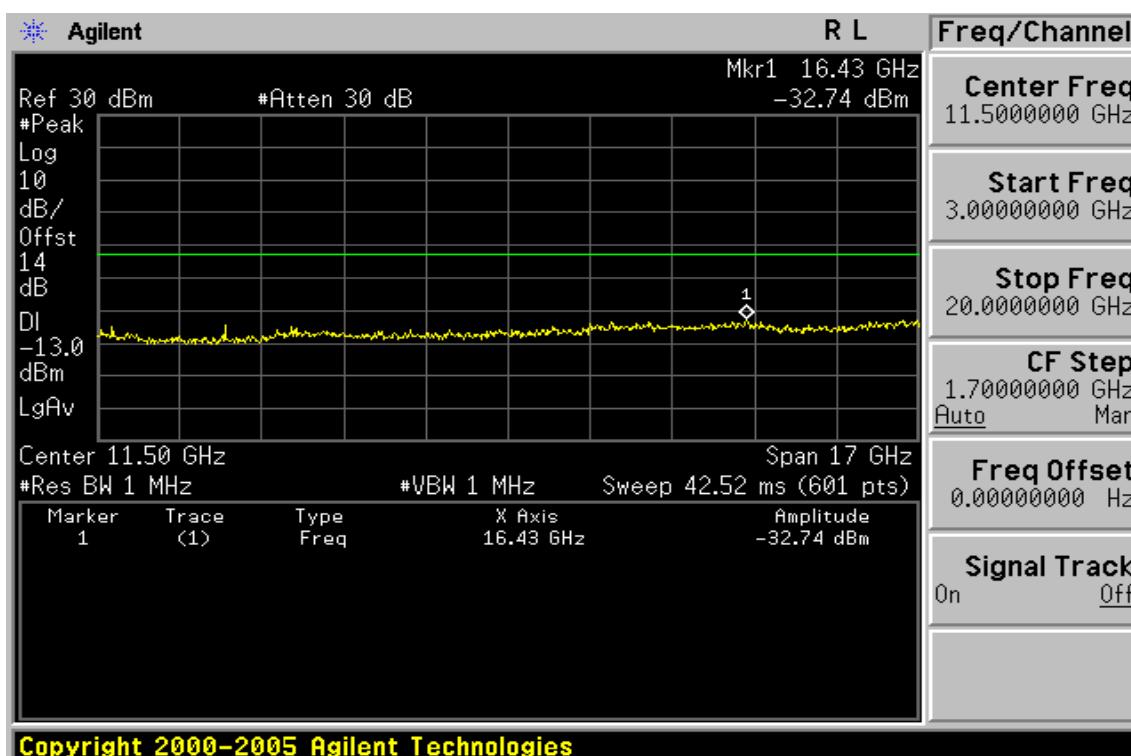
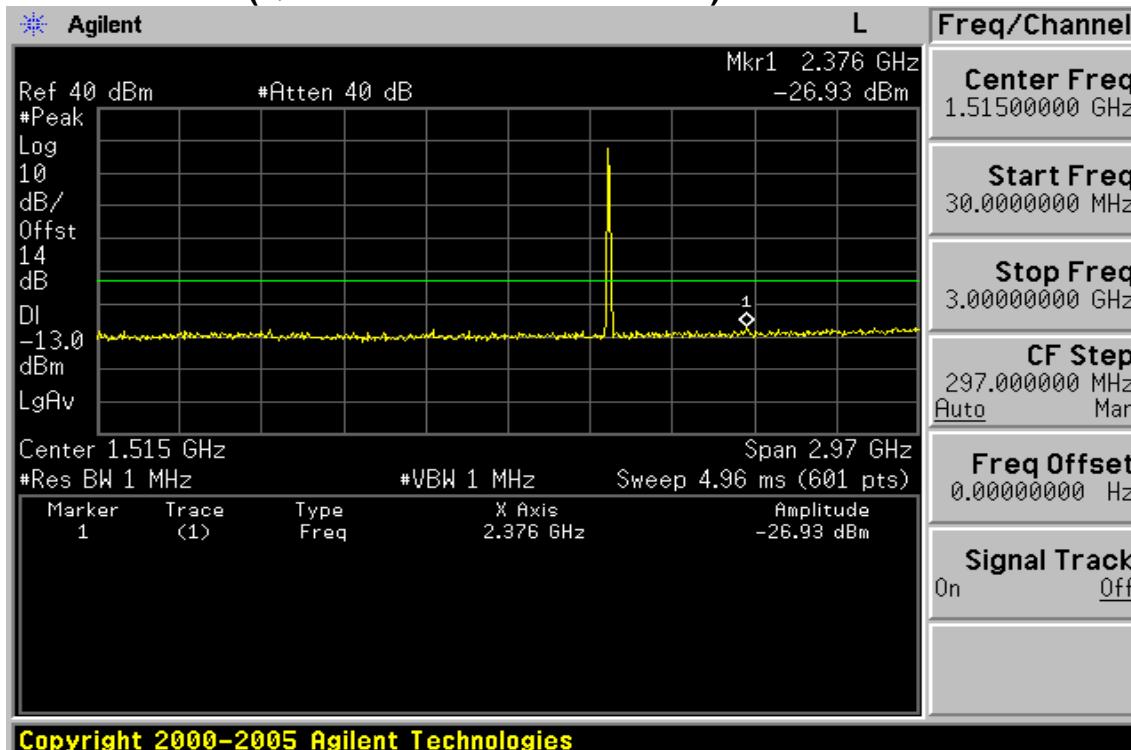
**Out of Band emission at antenna terminals–5MHz BW LTE-Band 2  
(QPSK RB Number: 1 Offset: 0)Channel Lowest**



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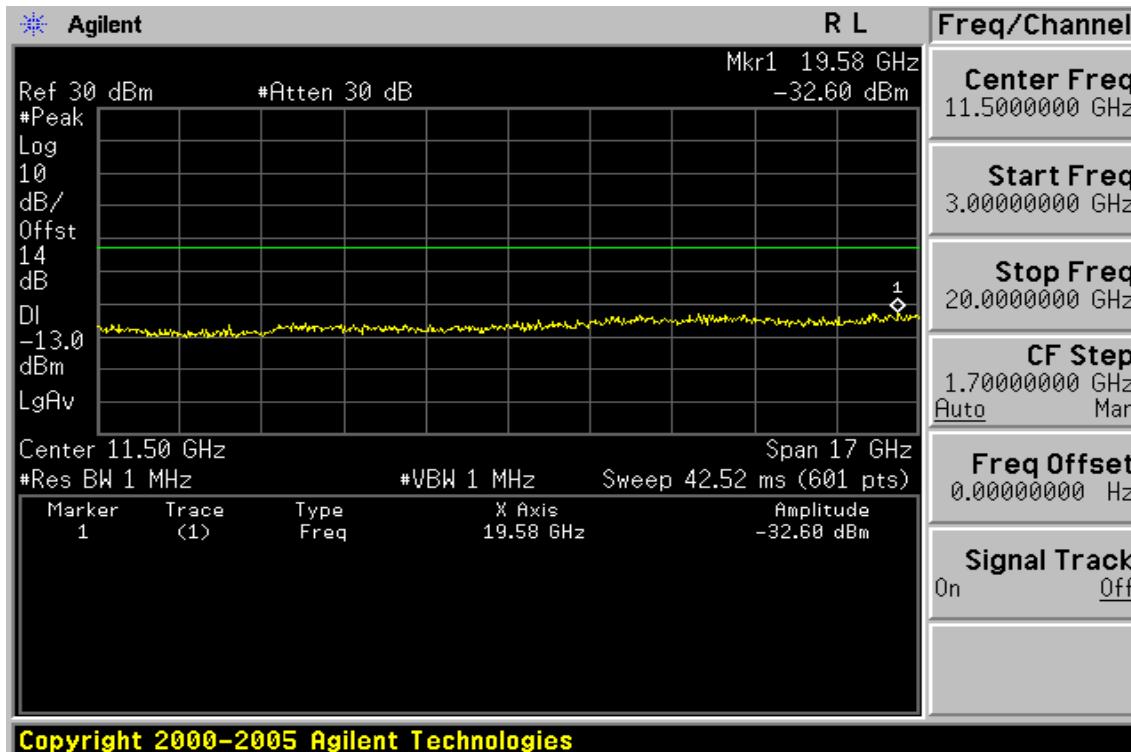
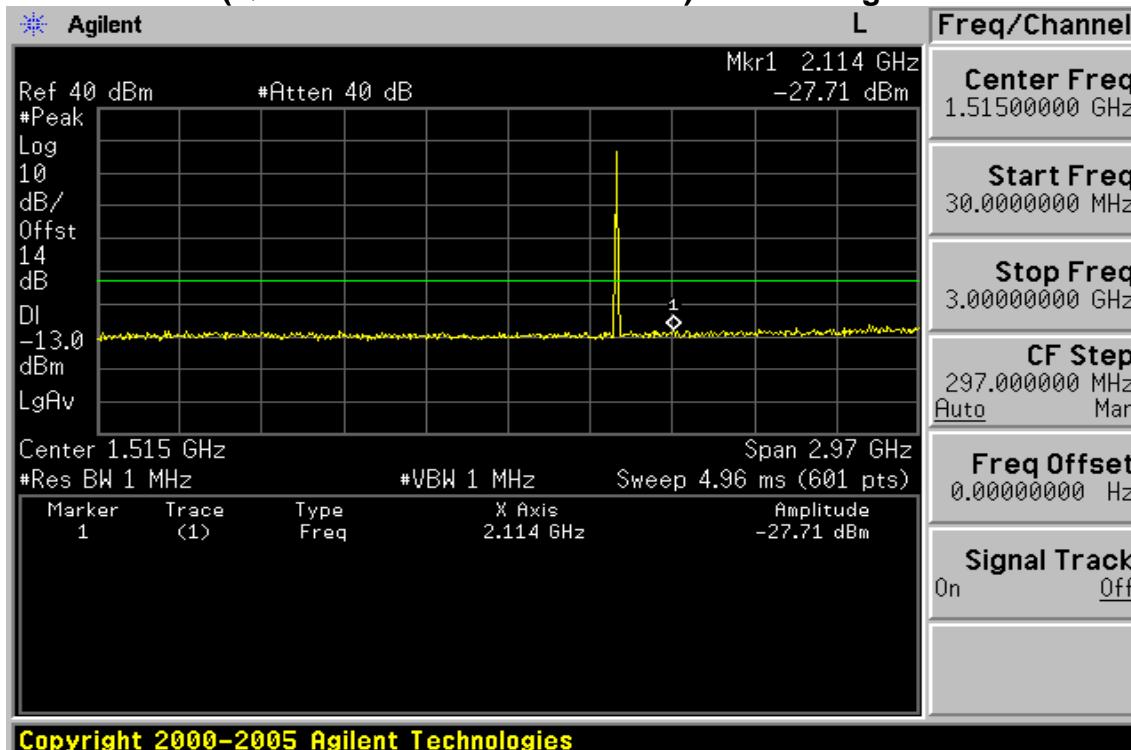
Out of Band emission at antenna terminals –5MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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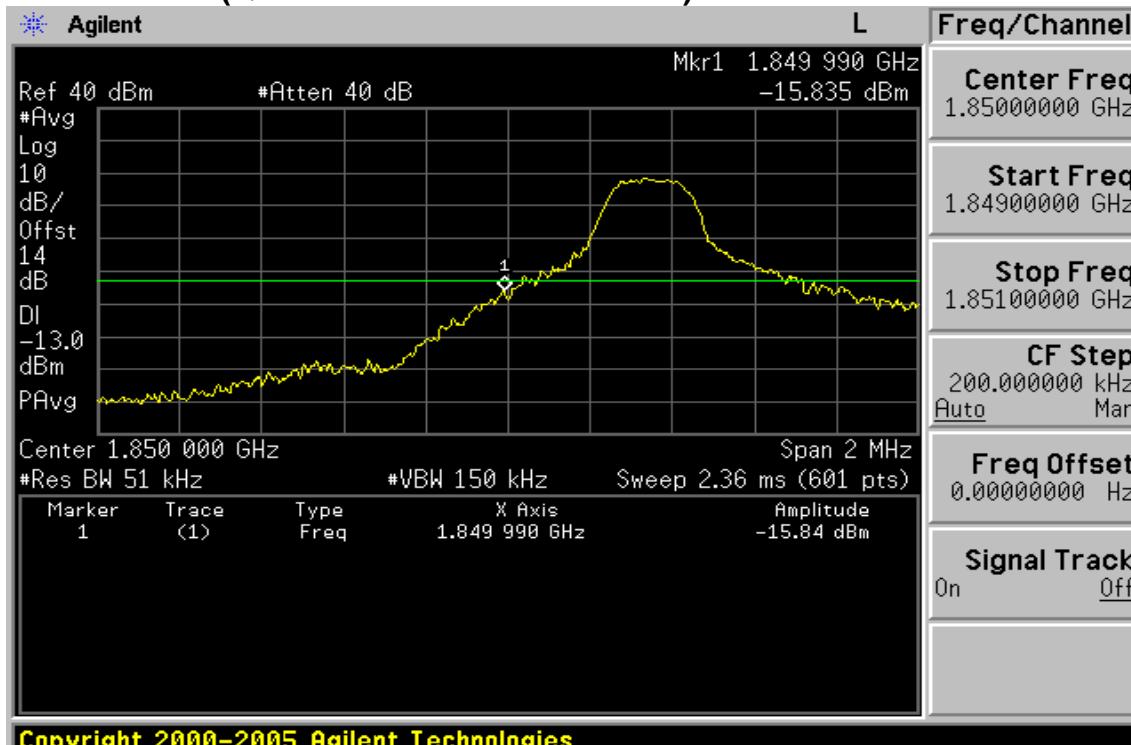
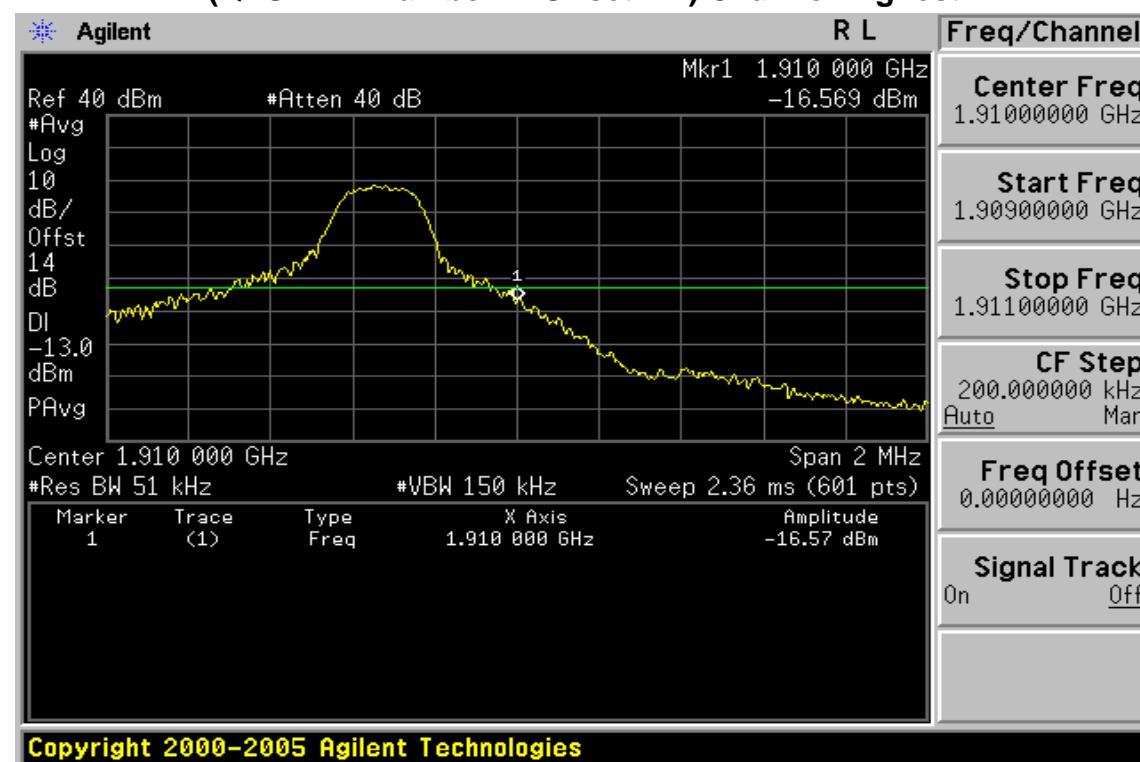
Out of Band emission at antenna terminals–5MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0)Channel Highest


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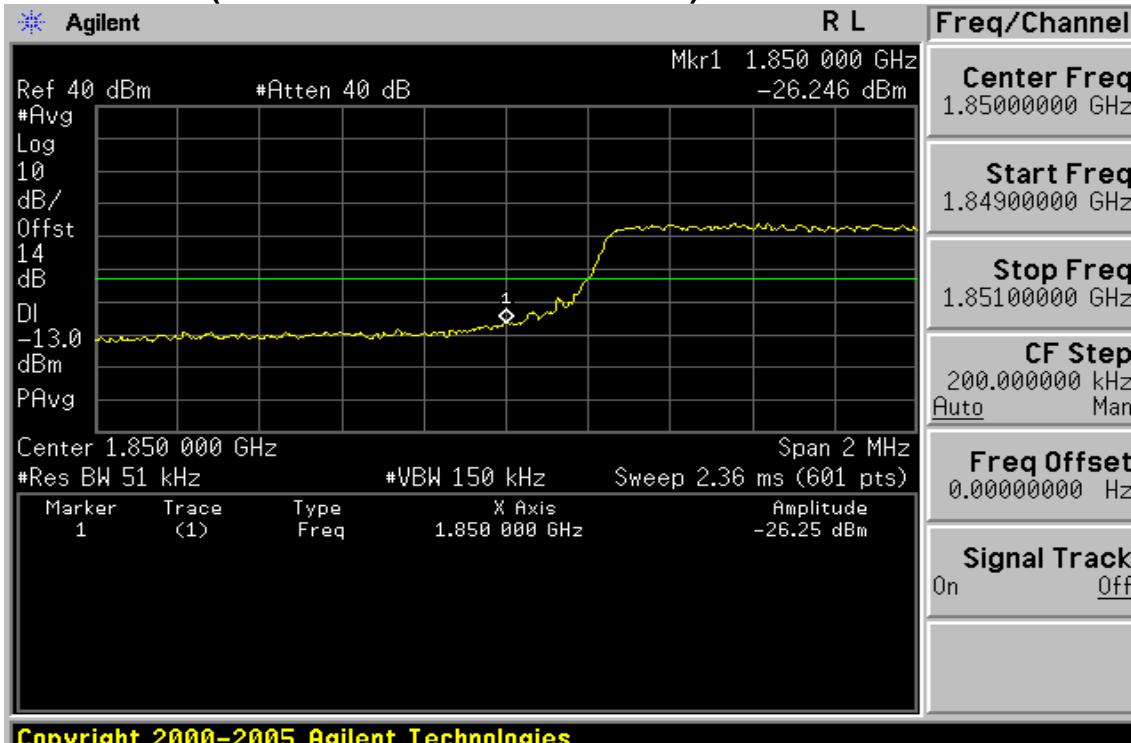
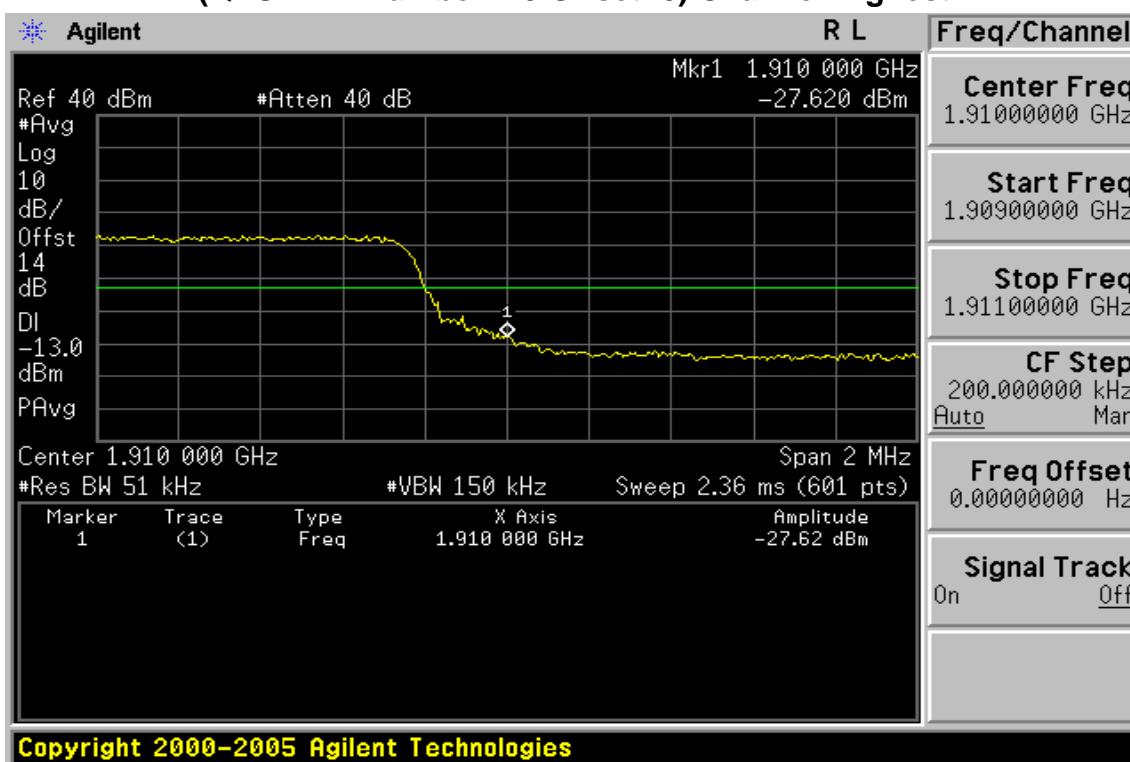
Band edge emission at antenna terminals –5MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –5MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 24) Channel Highest


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Band edge emission at antenna terminals –5MHz BW LTE-Band 2  
 (QPSK RB Number: 25 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –5MHz BW LTE-Band 2  
 (QPSK RB Number: 25 Offset: 0) Channel Highest


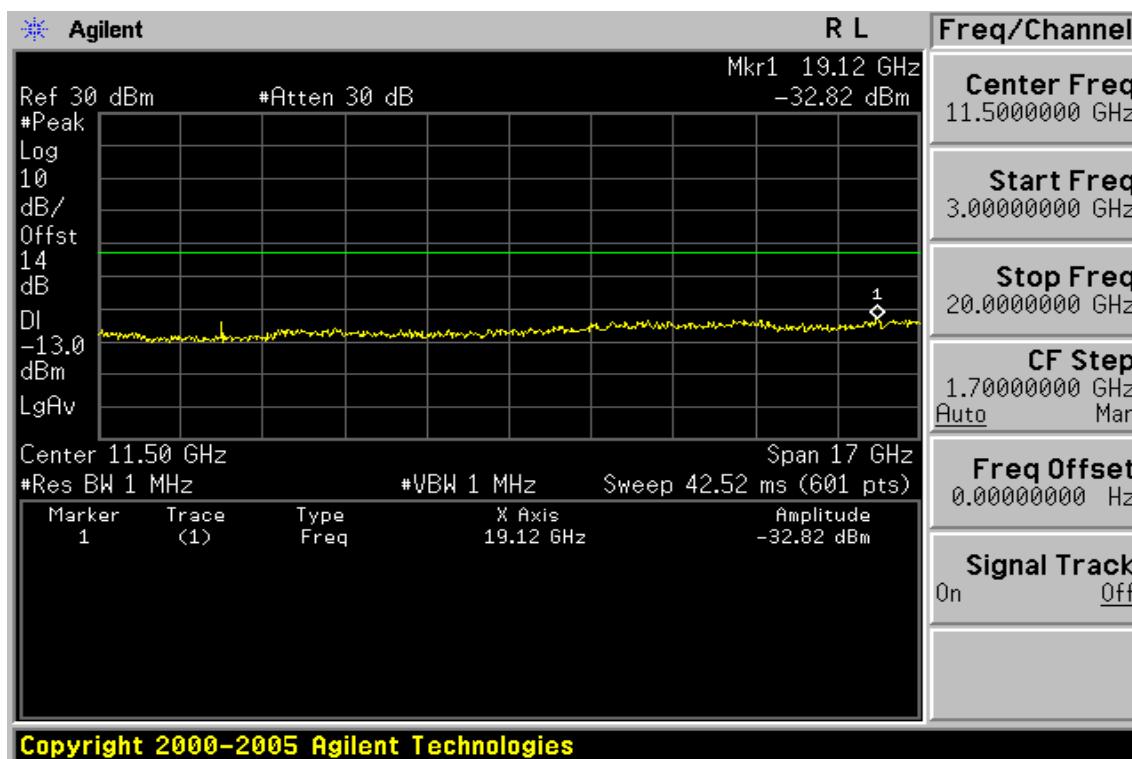
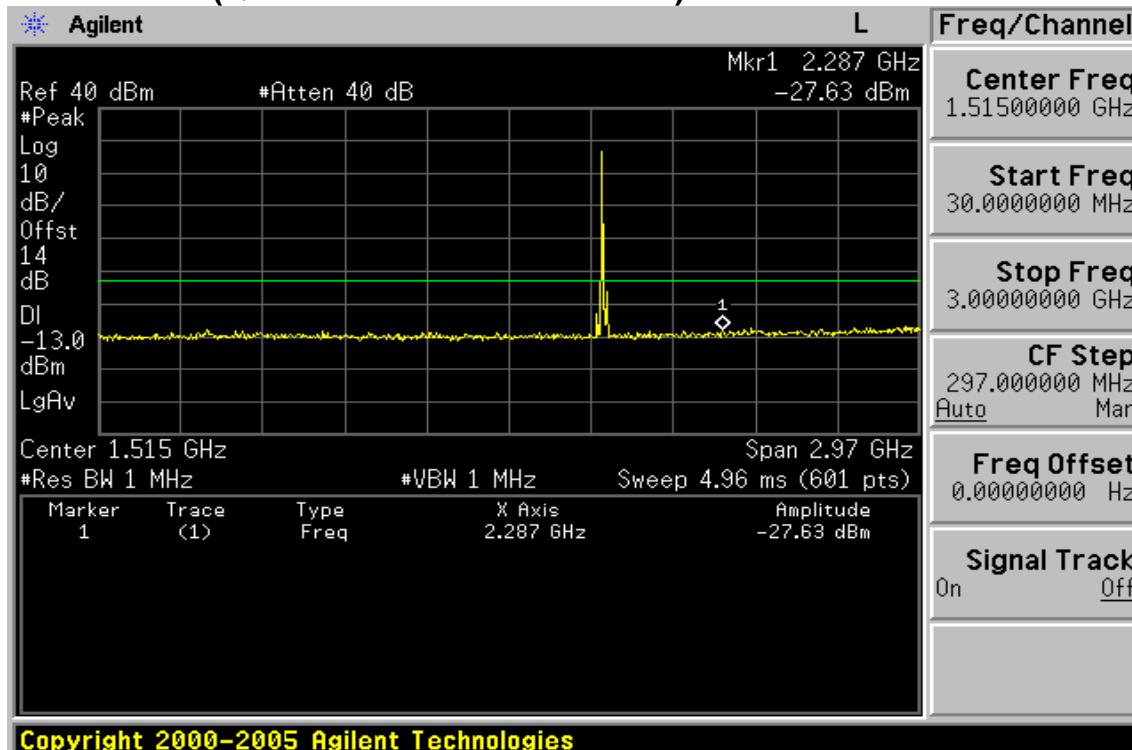
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**Out of Band emission at antenna terminals–10MHz BW LTE-Band 2  
(QPSK RB Number: 1 Offset: 0) Channel Lowest**

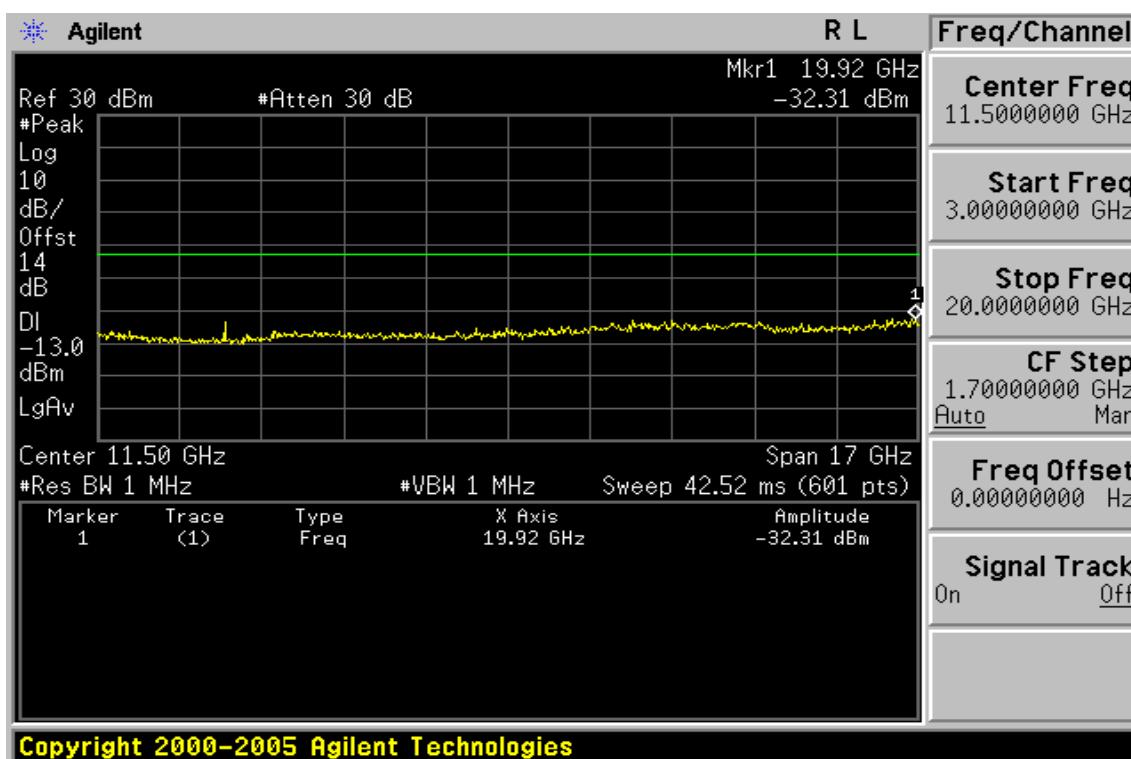
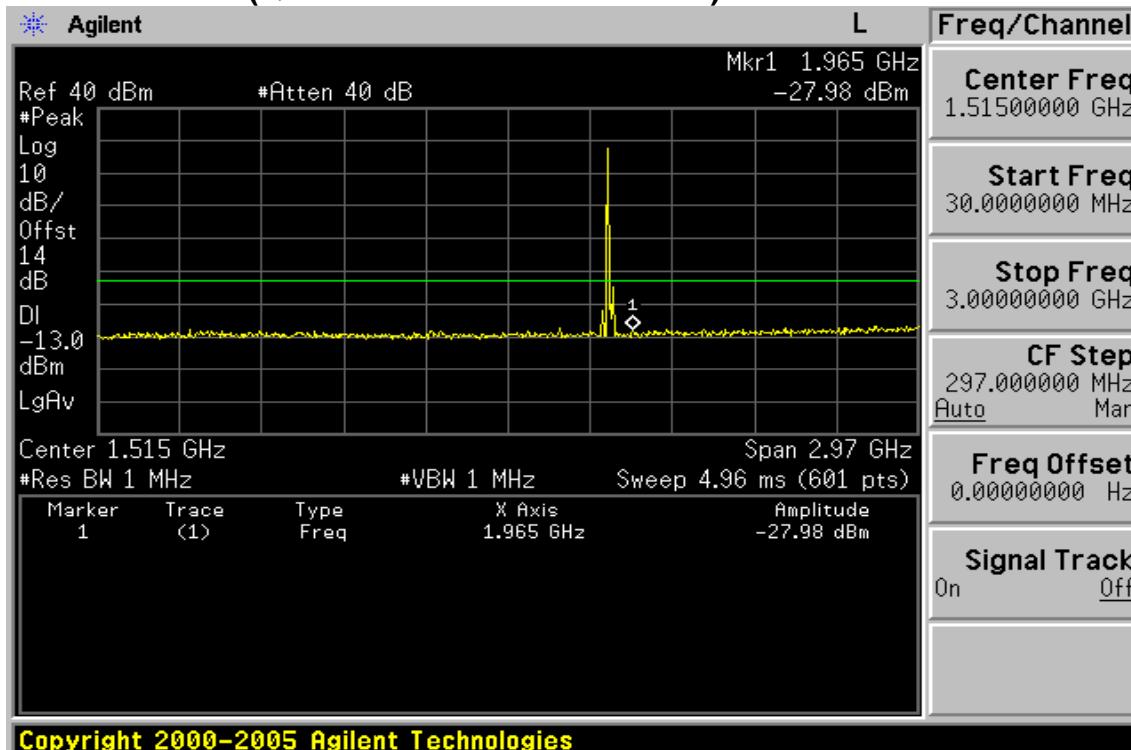


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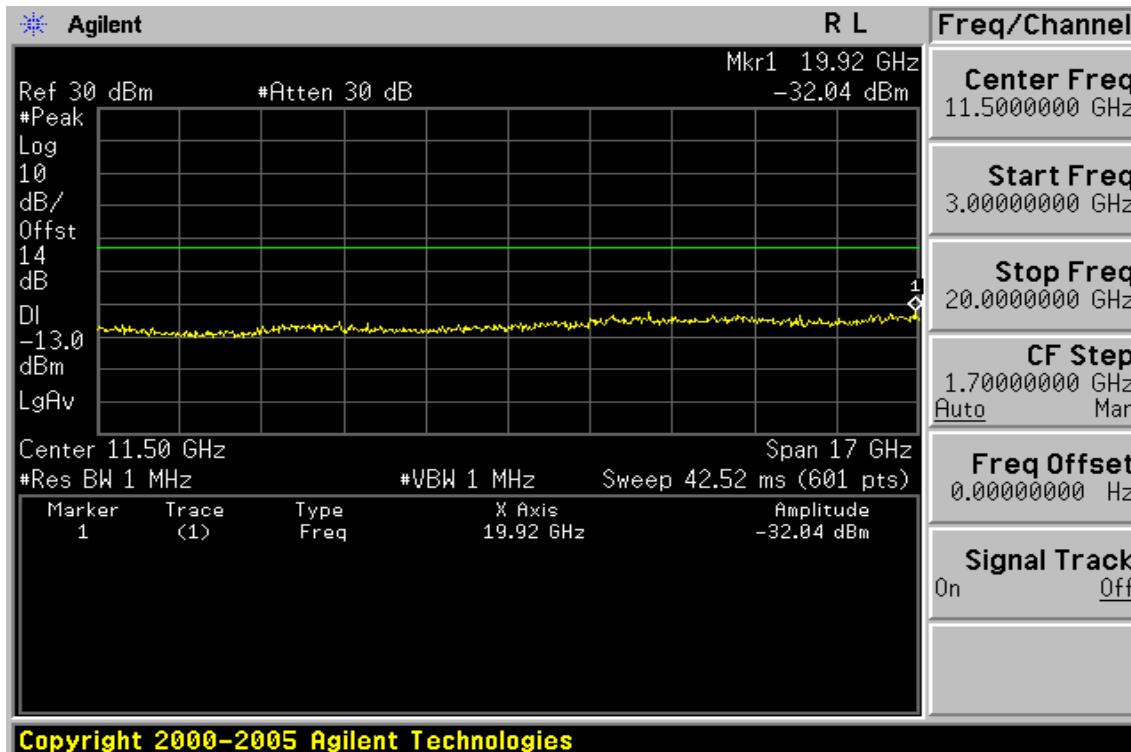
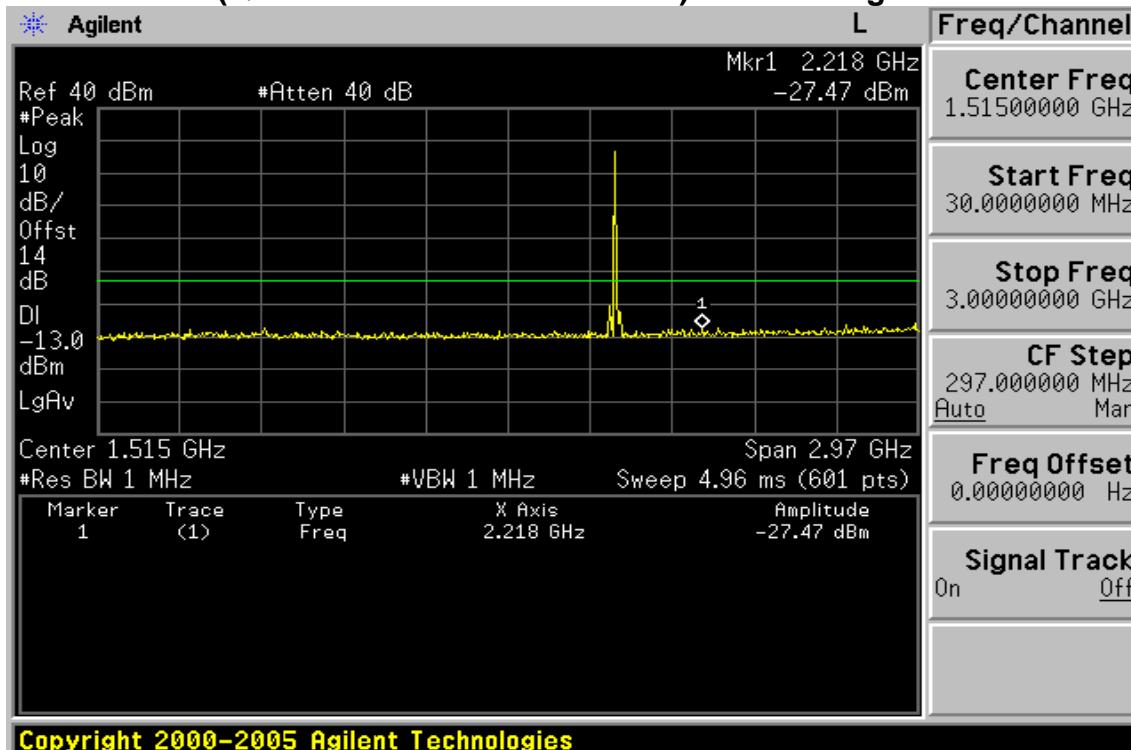
Out of Band emission at antenna terminals –10MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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Out of Band emission at antenna terminals—10MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


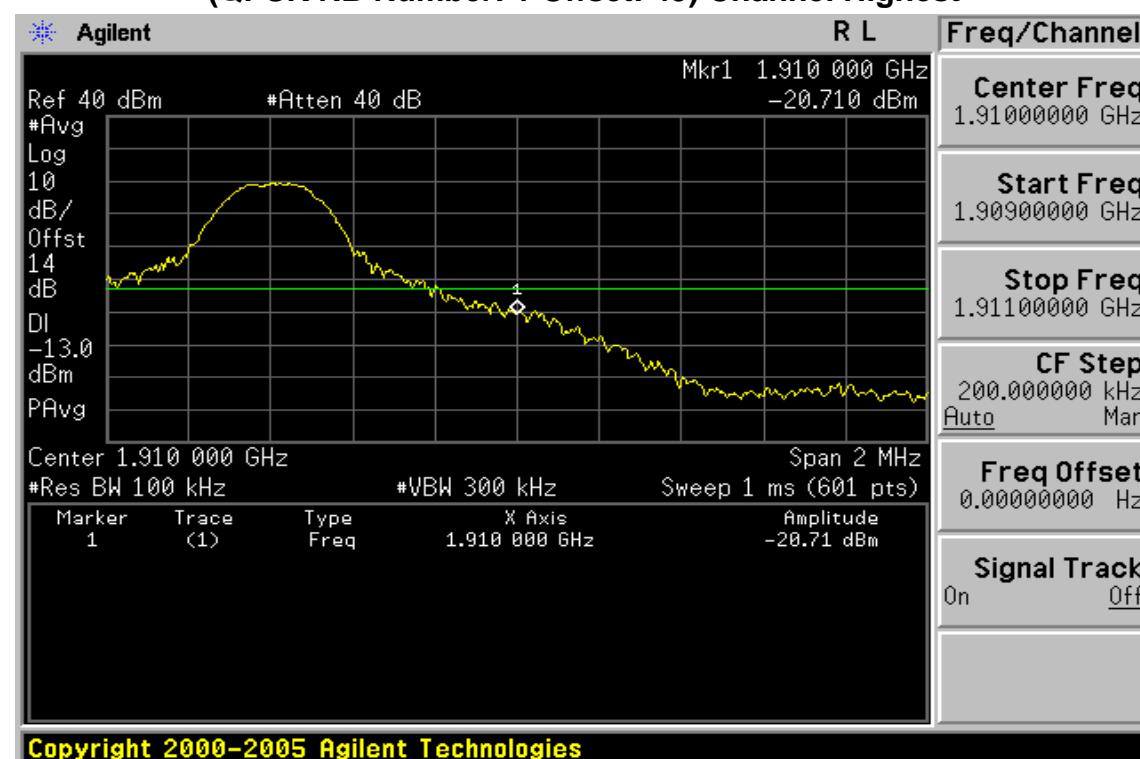
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Band edge emission at antenna terminals –10MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

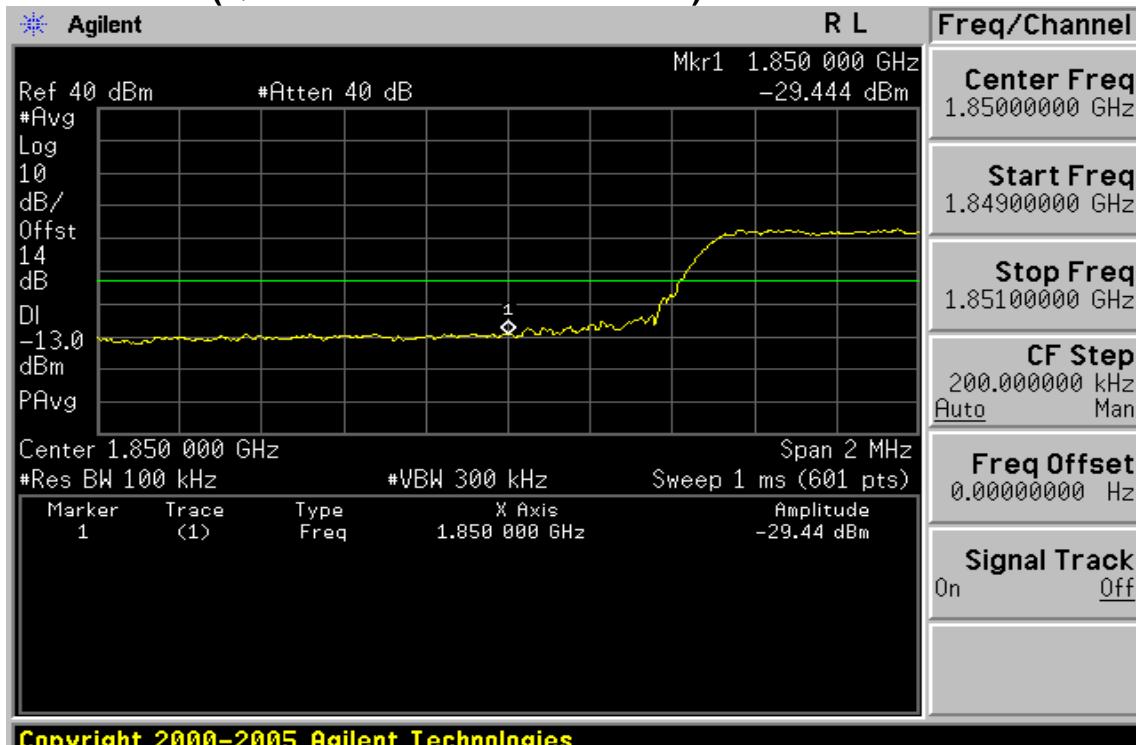
 Band edge emission at antenna terminals –10MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 49) Channel Highest


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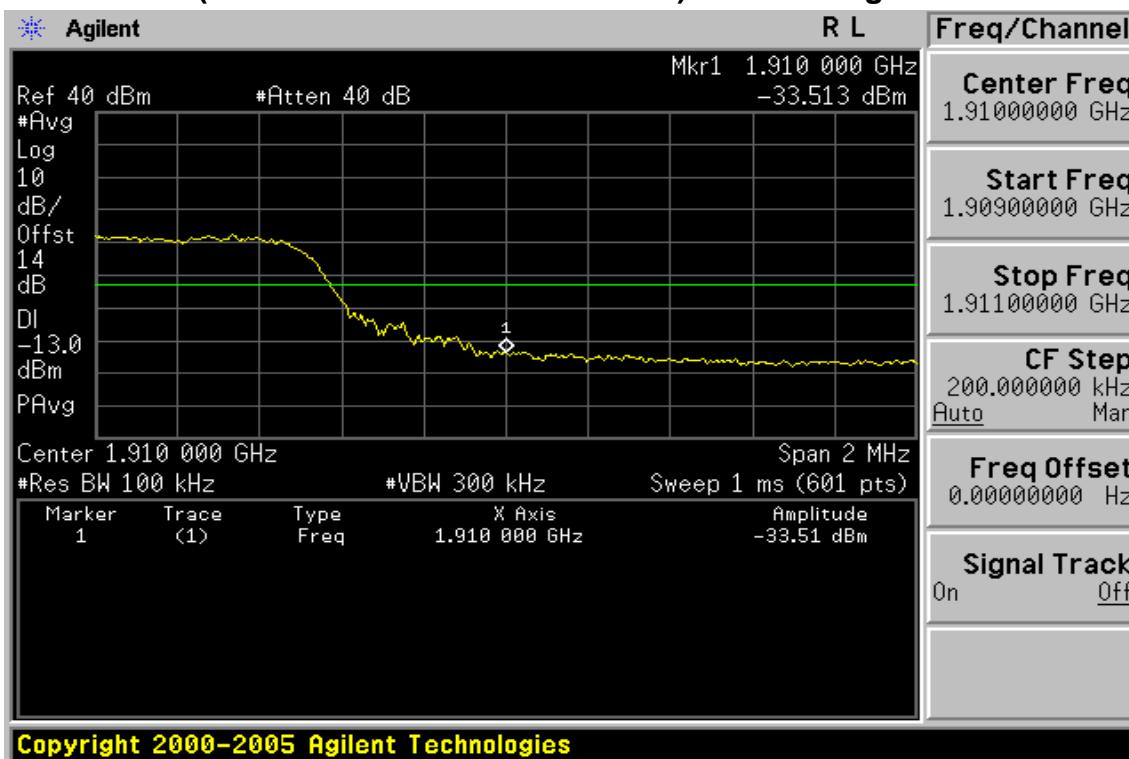
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Band edge emission at antenna terminals –10MHz BW LTE-Band 2  
 (QPSK RB Number: 50 Offset: 0) Channel Lowest


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 Figure 9-88: Band edge emission at antenna terminals –10MHz BW LTE-Band 2  
 (QPSK RB Number: 50 Offset: 0) Channel Highest


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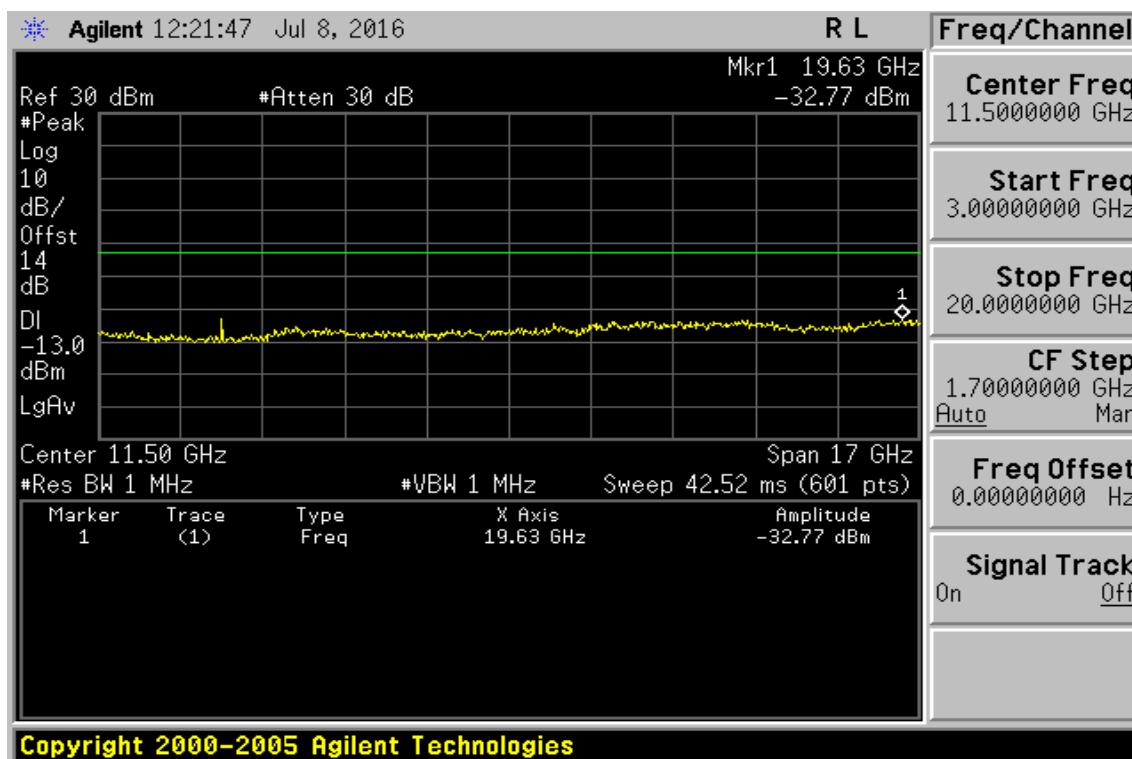
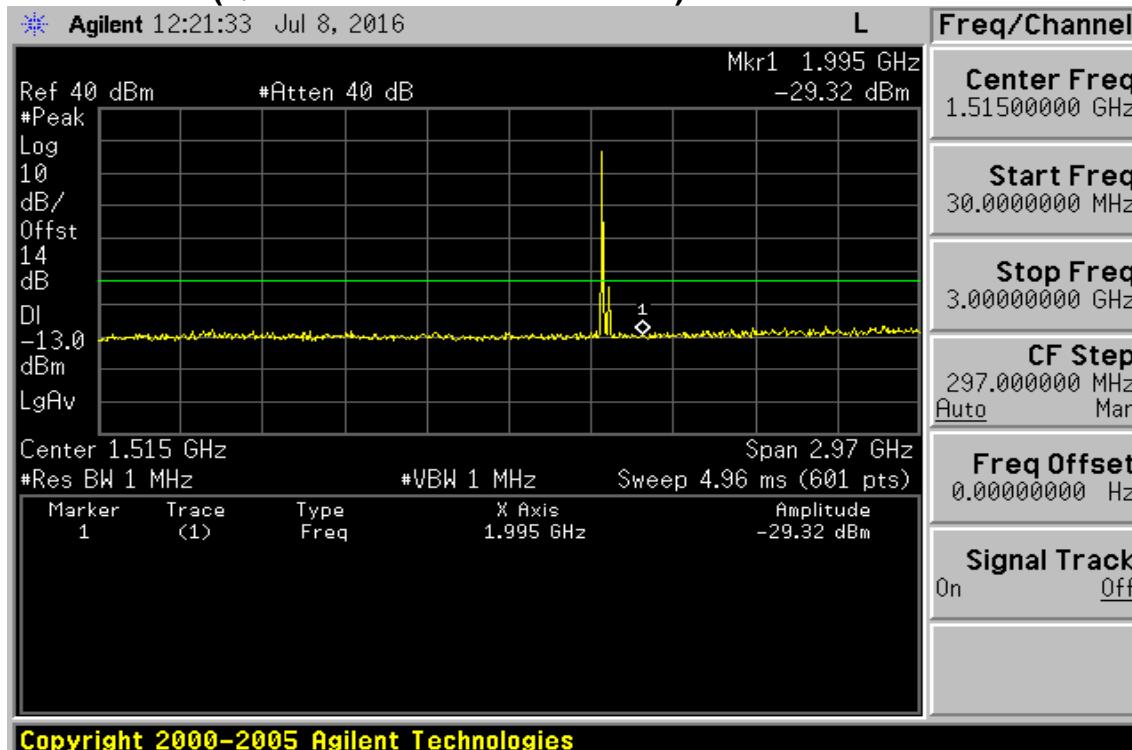
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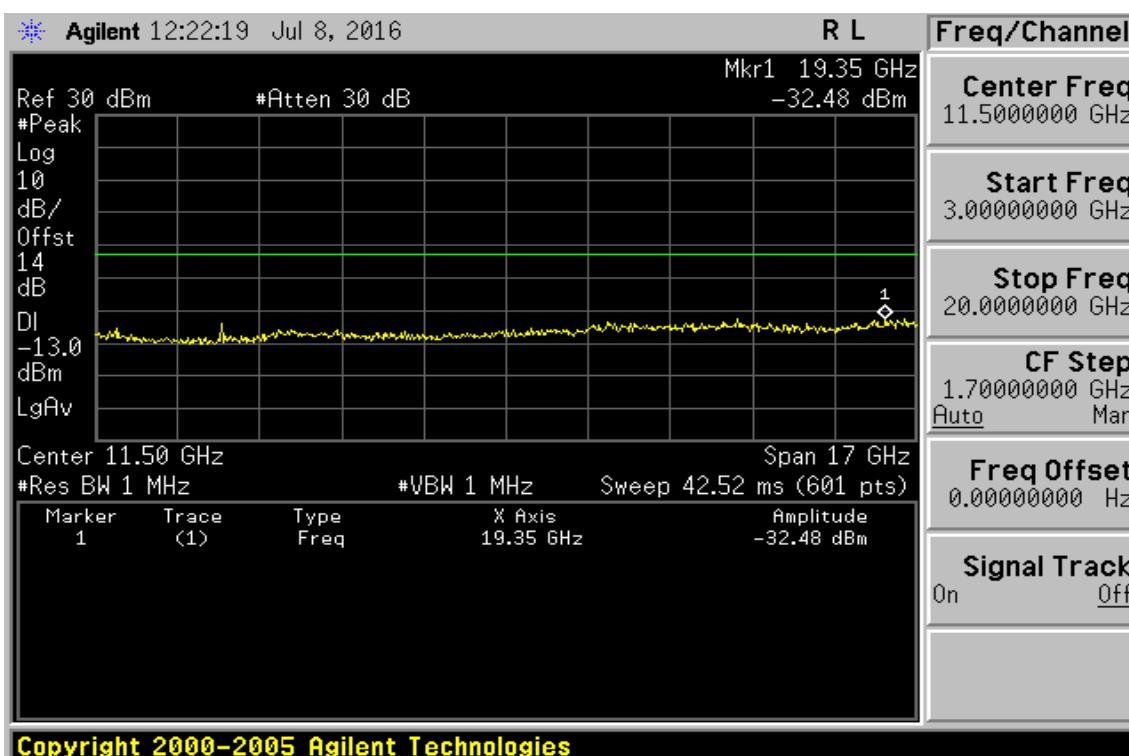
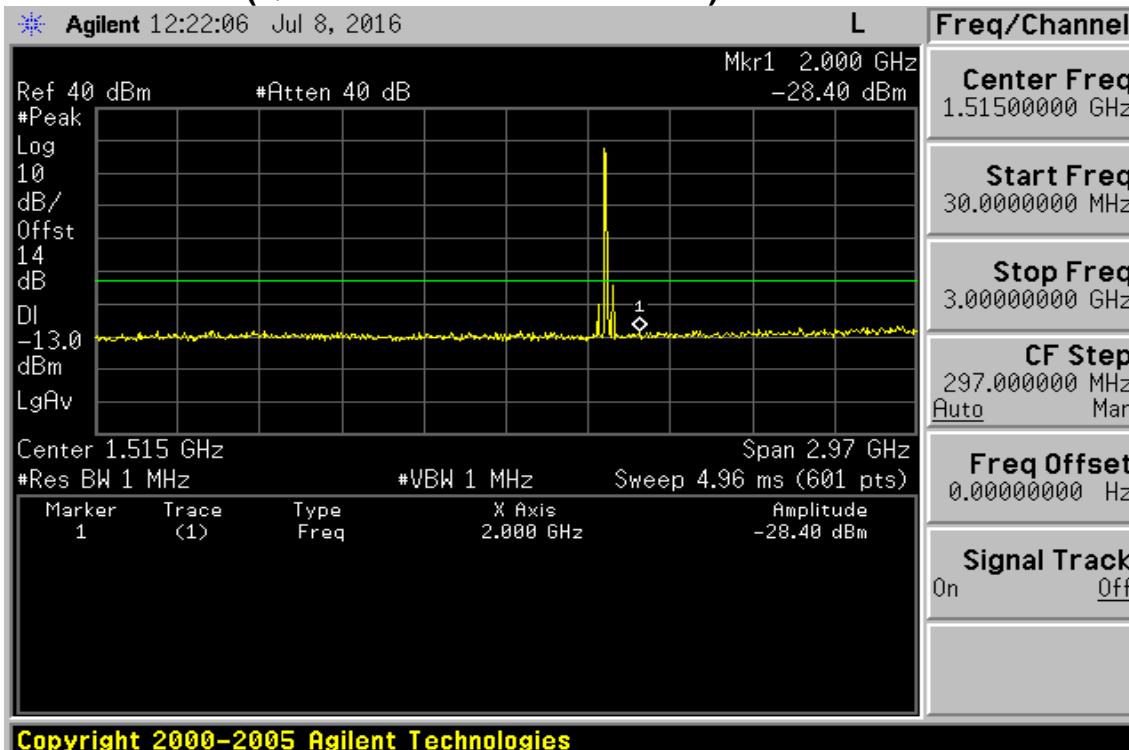
**Out of Band emission at antenna terminals–15MHz BW LTE-Band 2  
(QPSK RB Number: 1 Offset: 0) Channel Lowest**



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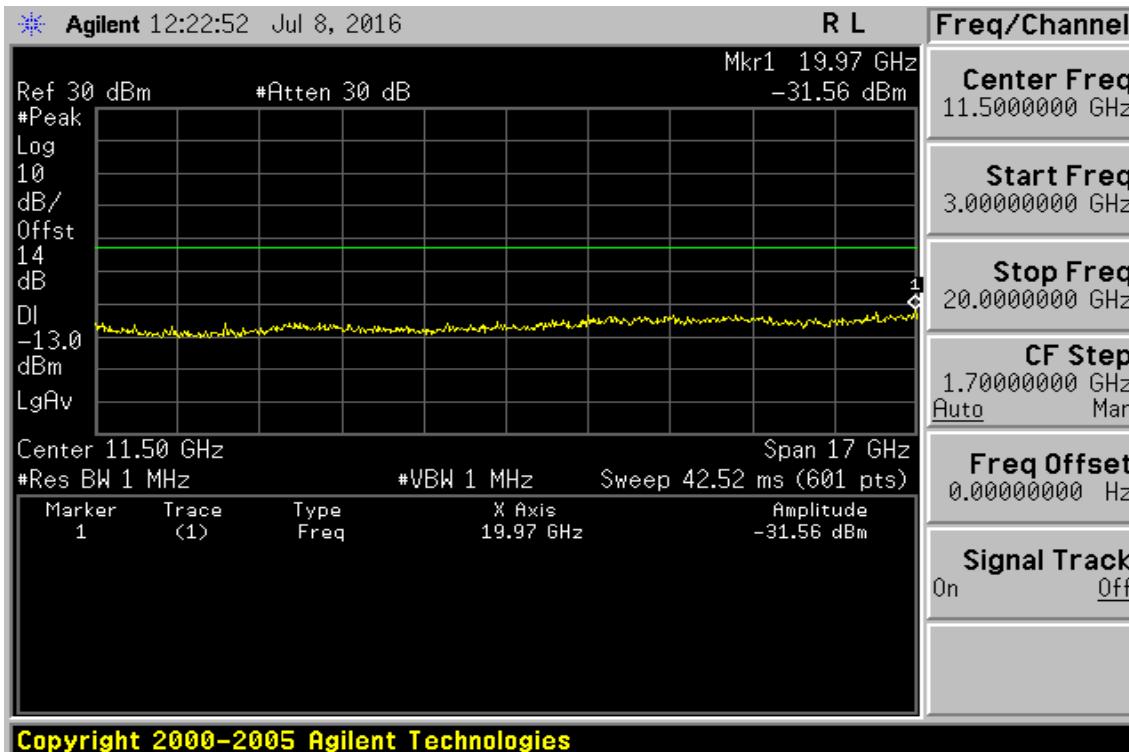
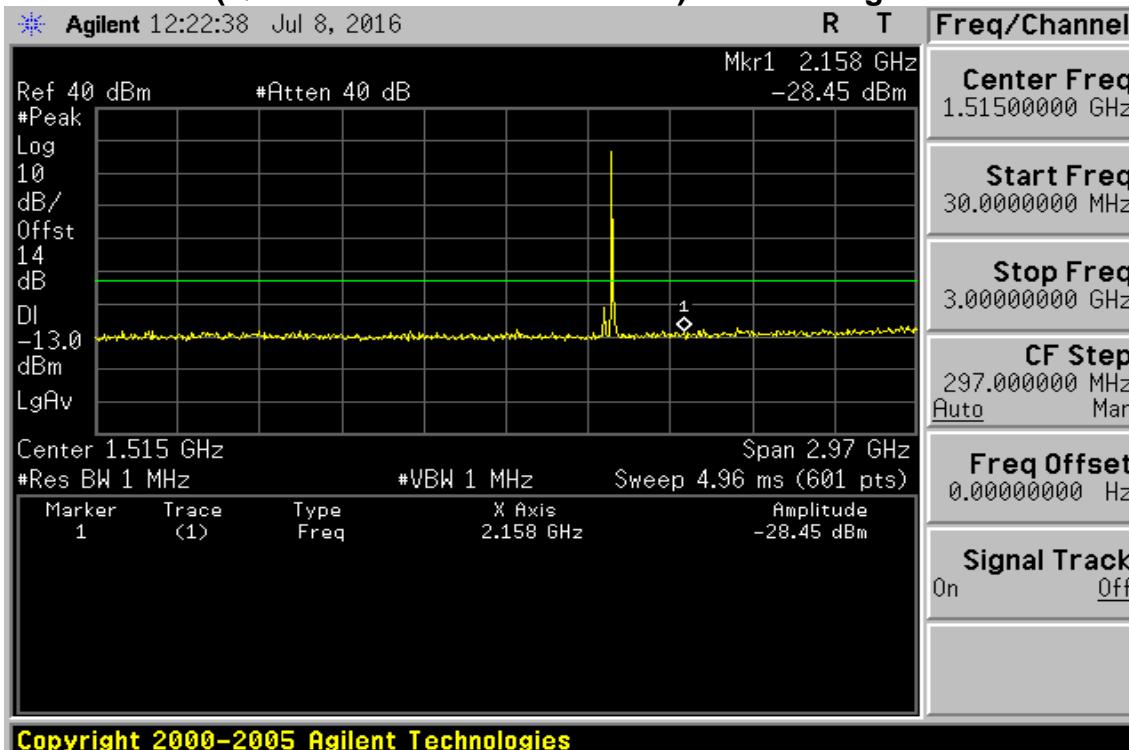
Out of Band emission at antenna terminals –15MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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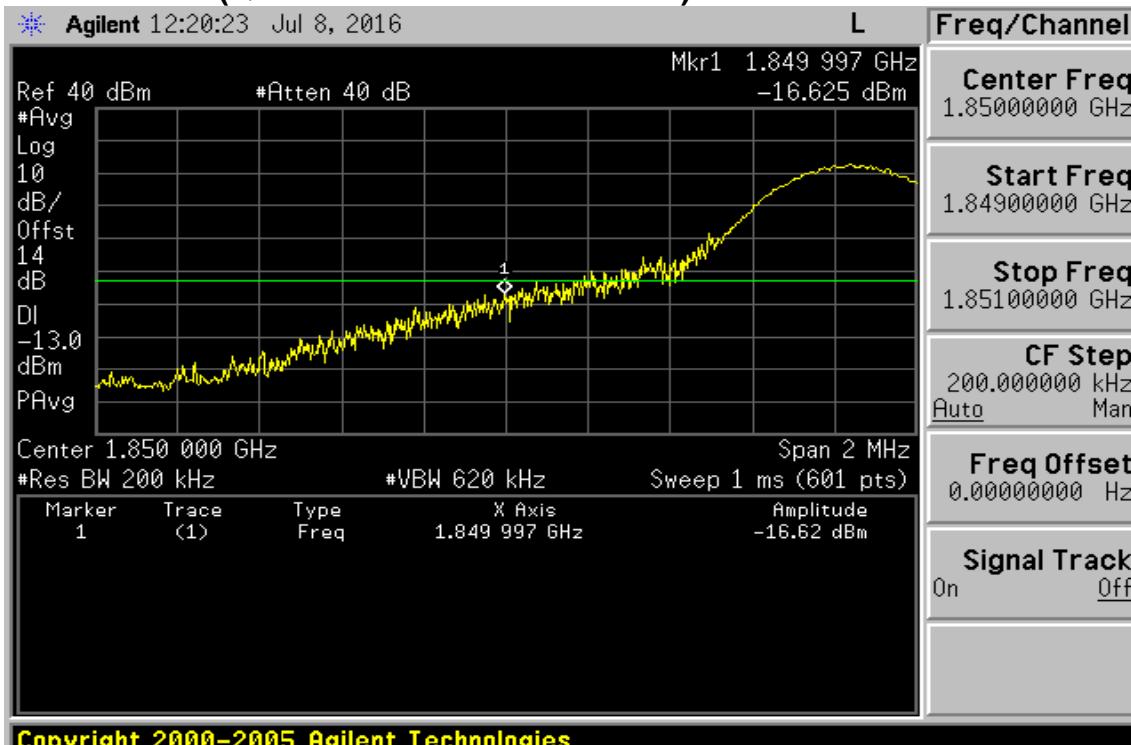
Out of Band emission at antenna terminals—15MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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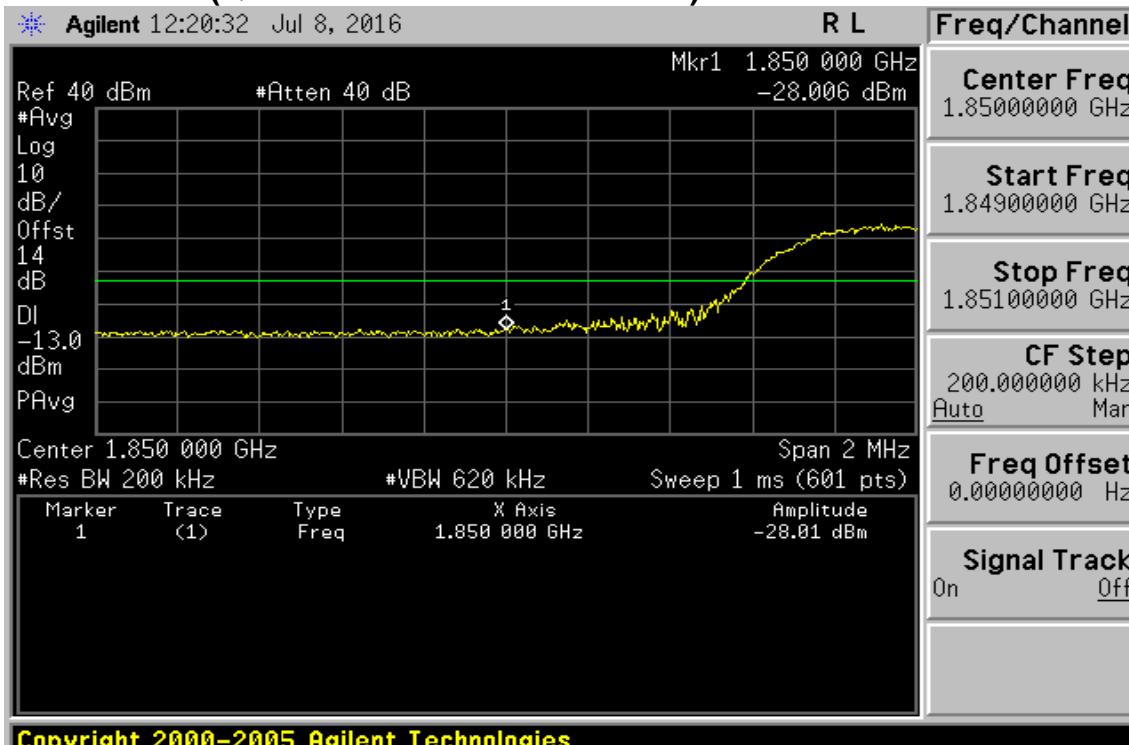
Band edge emission at antenna terminals –15MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –15MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 74) Channel Highest


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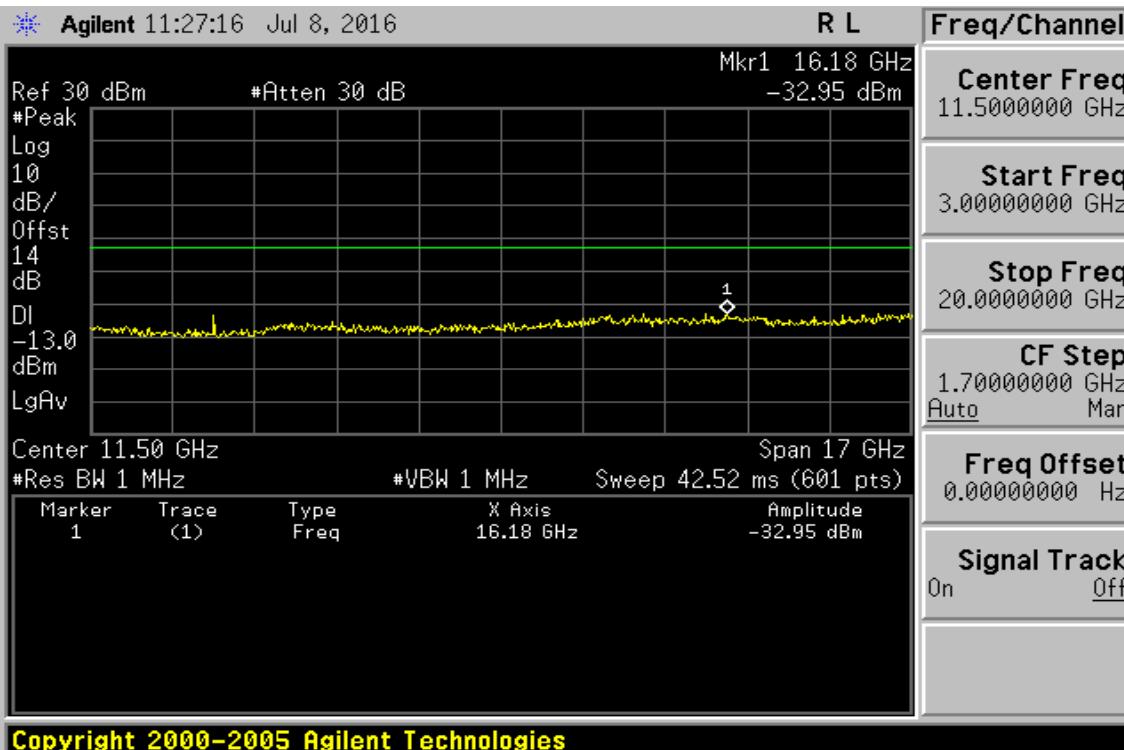
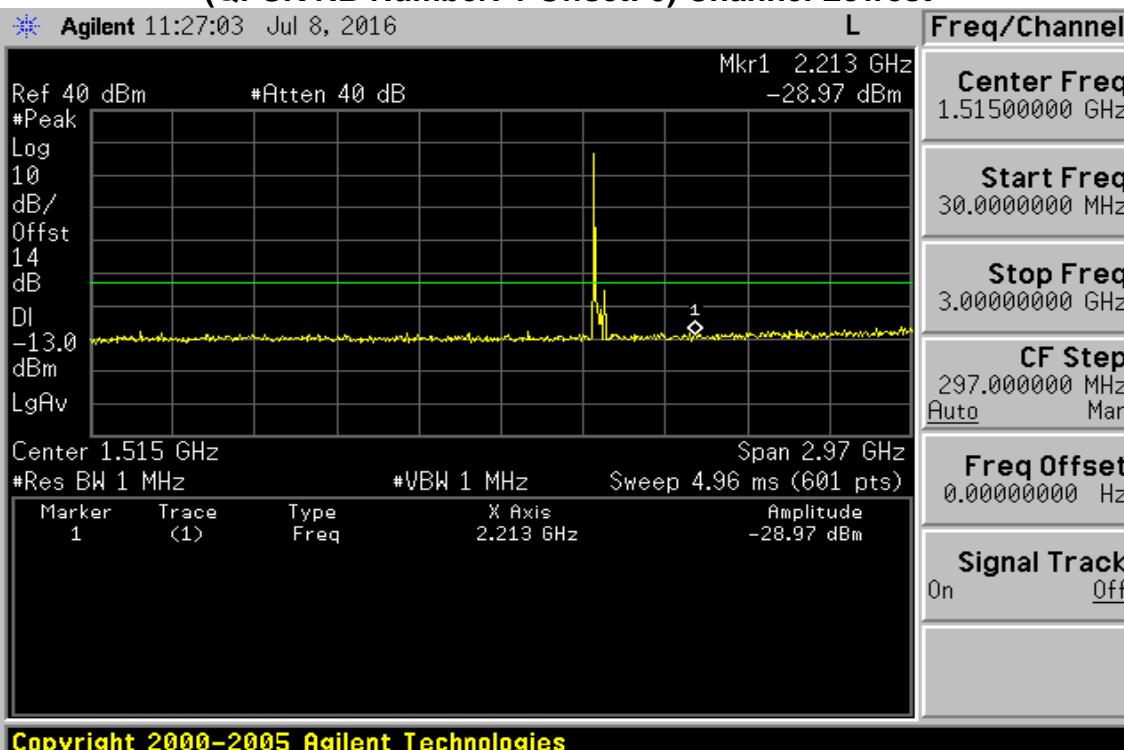
Band edge emission at antenna terminals –15MHz BW LTE-Band 2  
 (QPSK RB Number: 75 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –15MHz BW LTE-Band 2  
 (QPSK RB Number: 75 Offset: 0) Channel Highest


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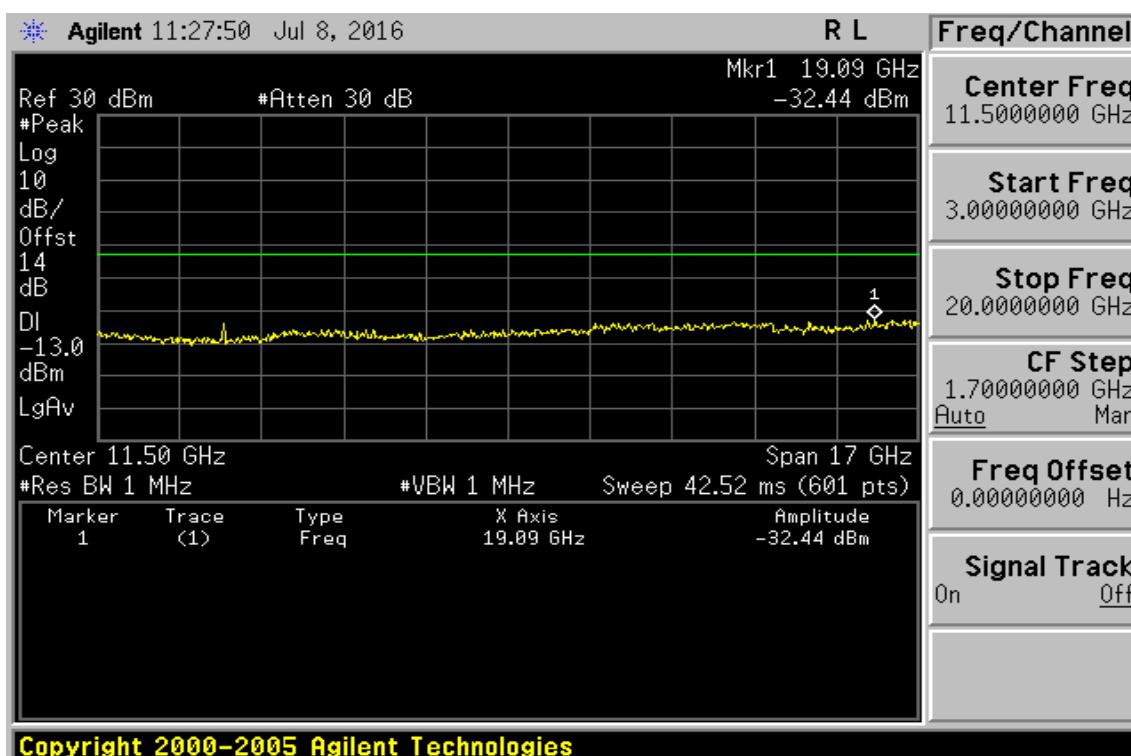
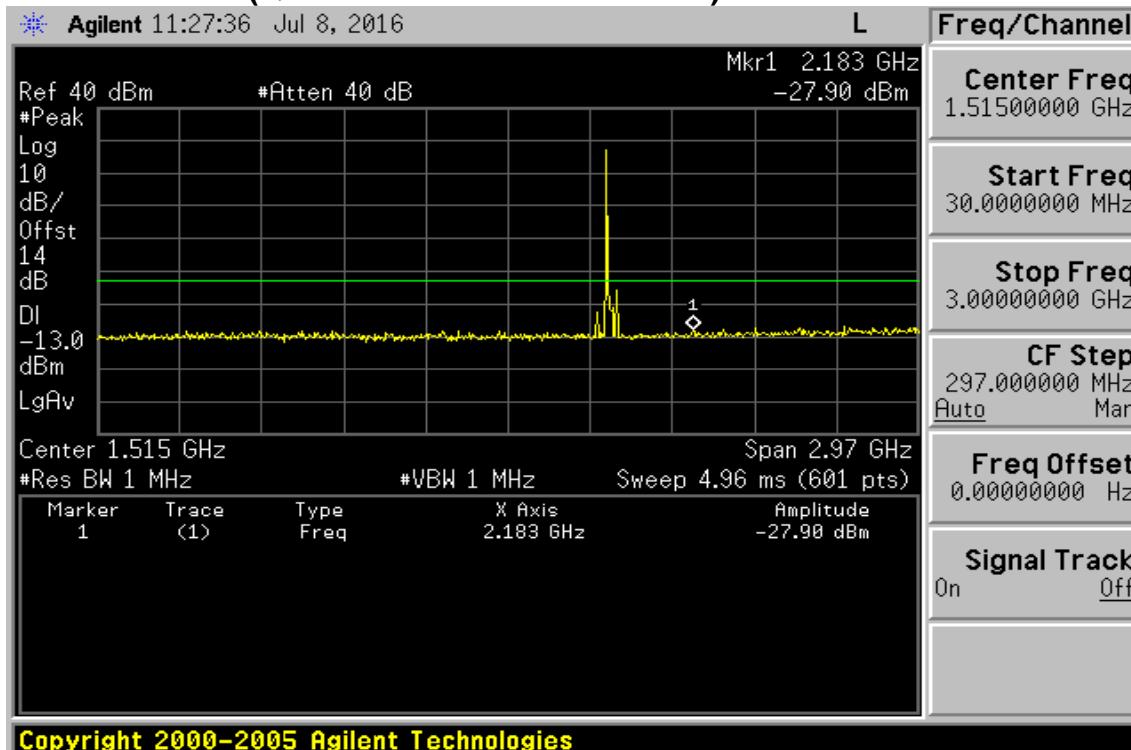
Out of Band emission at antenna terminals–20MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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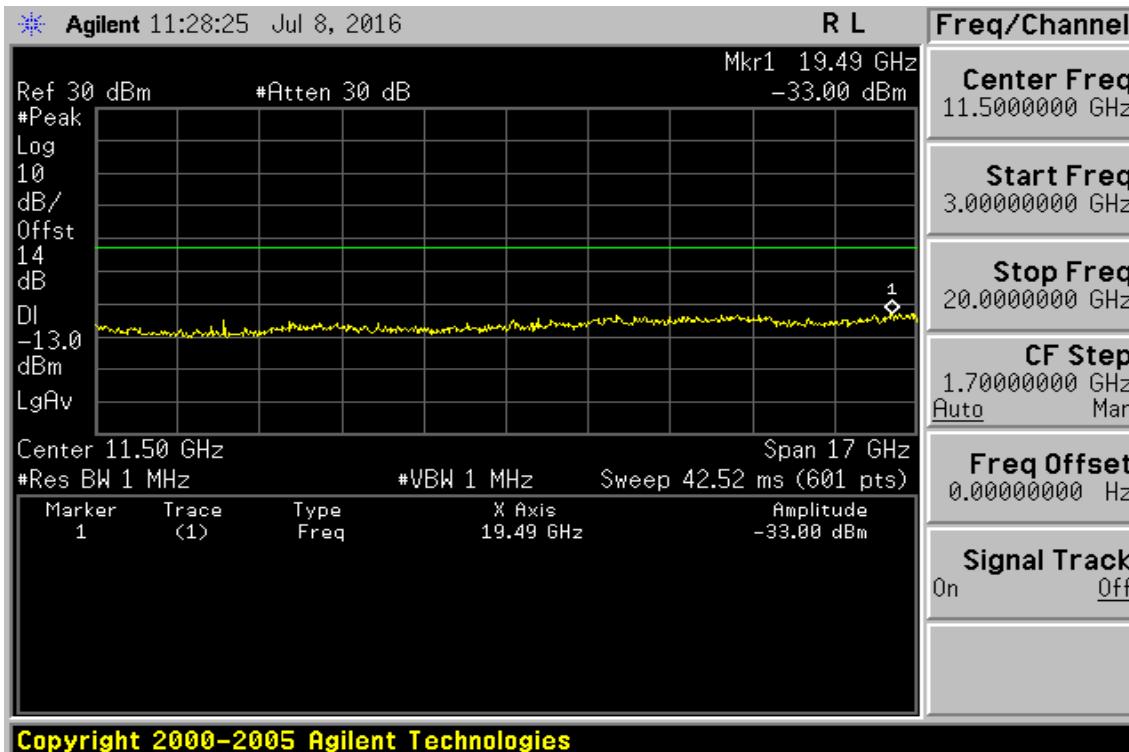
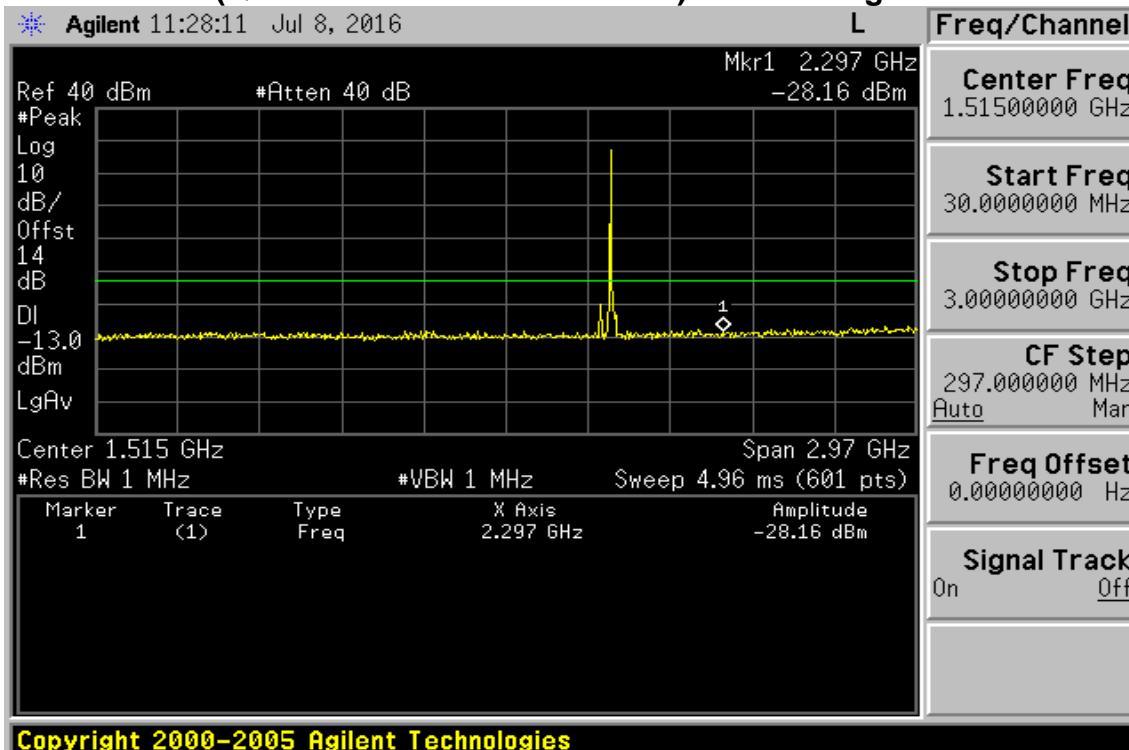
Out of Band emission at antenna terminals –20MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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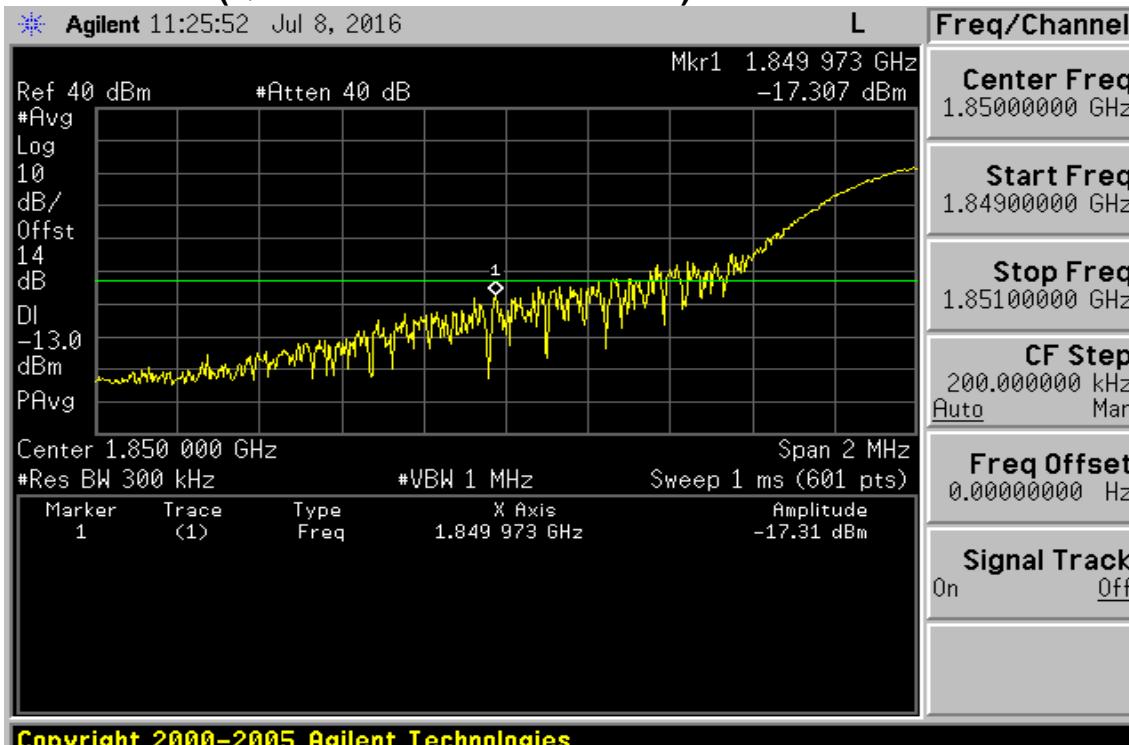
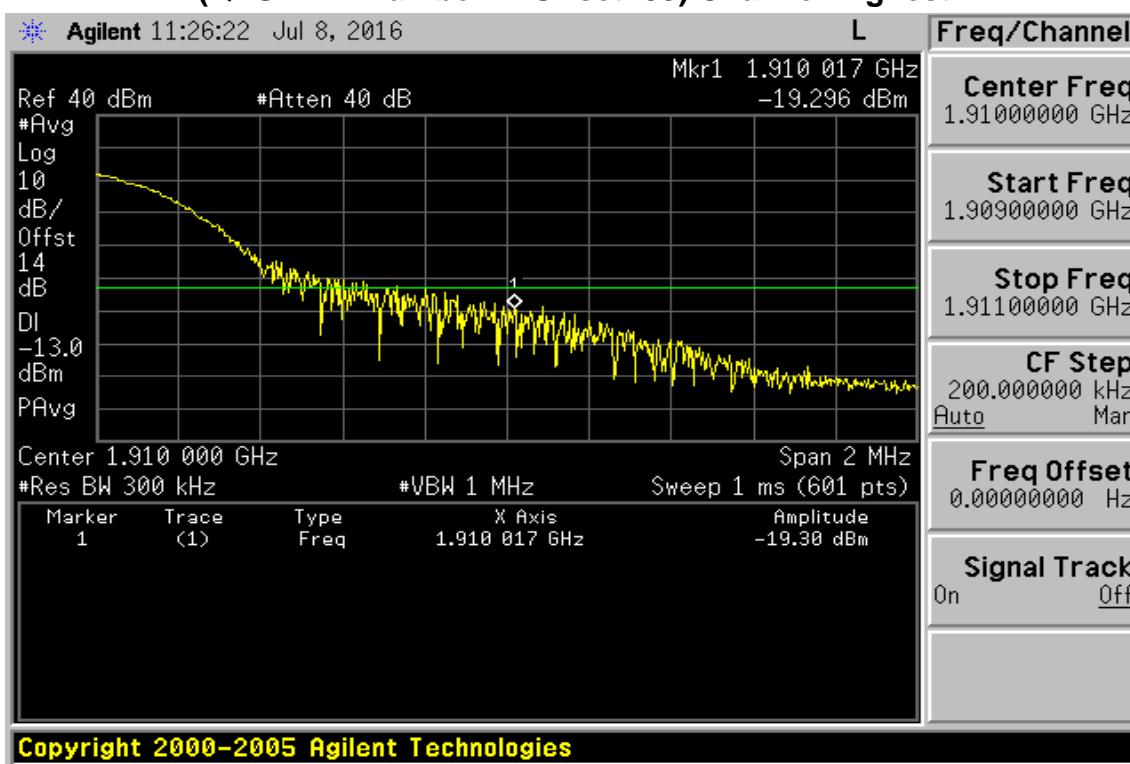
Out of Band emission at antenna terminals–20MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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Band edge emission at antenna terminals –20MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –20MHz BW LTE-Band 2  
 (QPSK RB Number: 1 Offset: 99) Channel Highest


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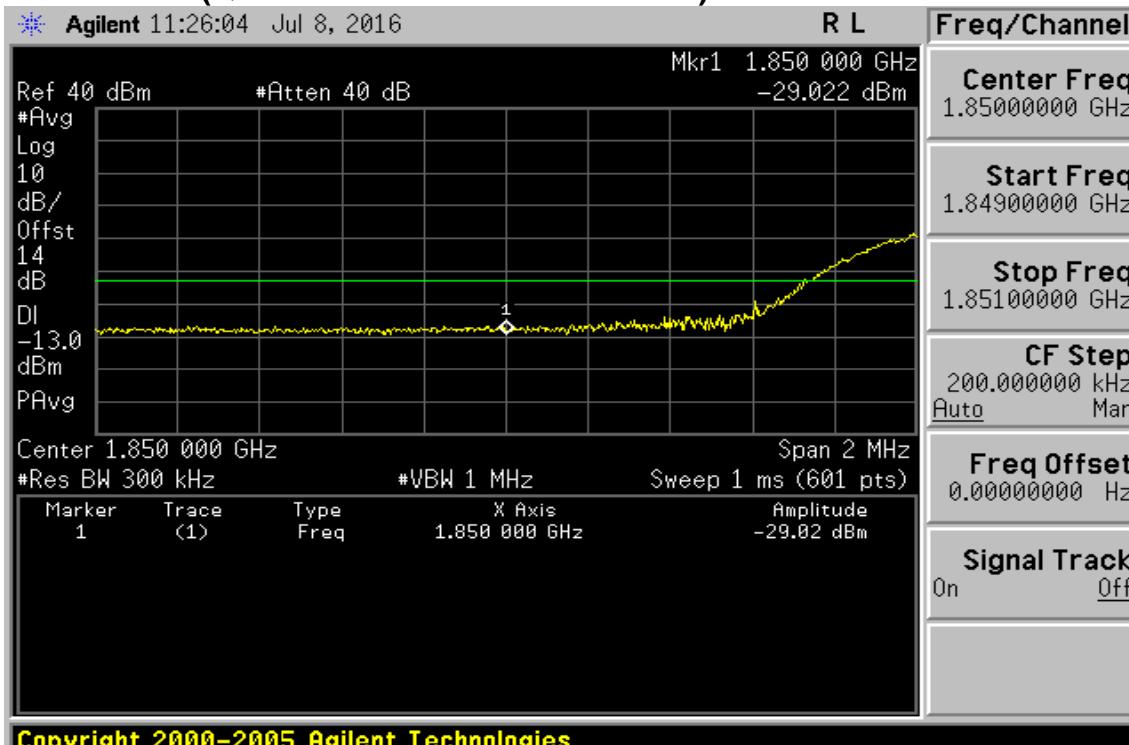
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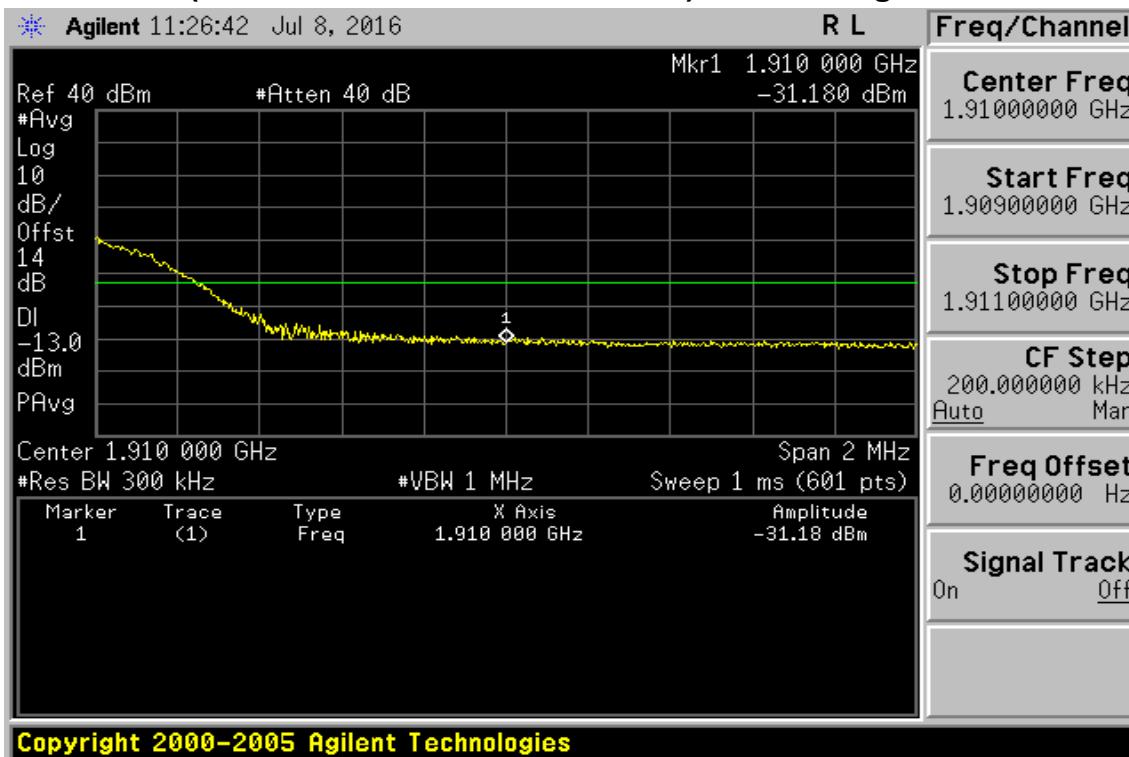
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Band edge emission at antenna terminals –20MHz BW LTE-Band 2  
 (QPSK RB Number: 100 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals –20MHz BW LTE-Band 2  
 (QPSK RB Number: 100 Offset: 0) Channel Highest


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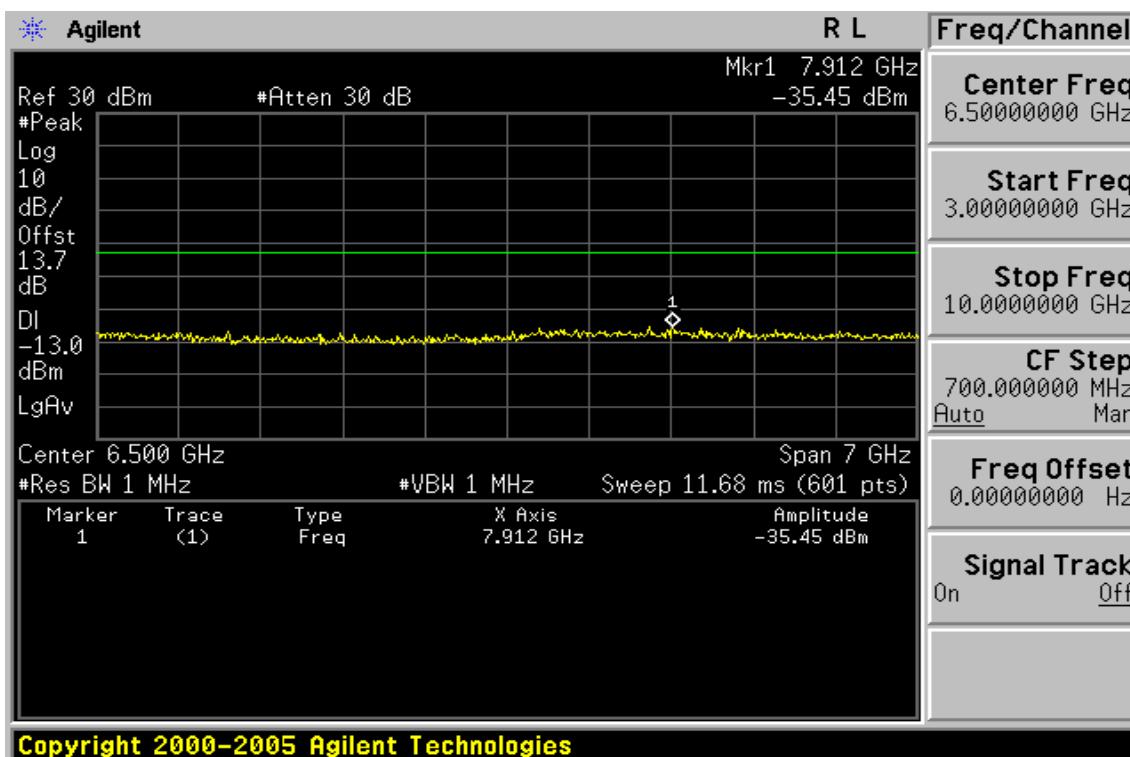
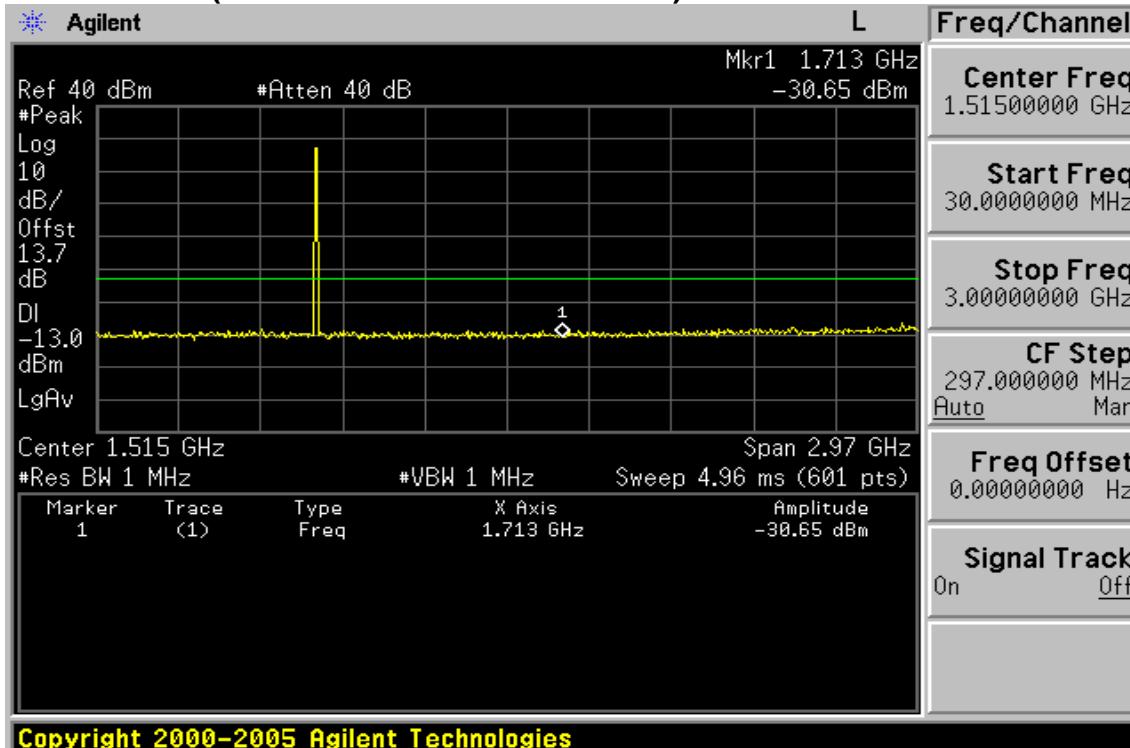
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**Out of Band emission at antenna terminals–1.4MHz BW LTE-Band 5  
(QPSK RB Number: 1 Offset: 0) Channel Lowest**

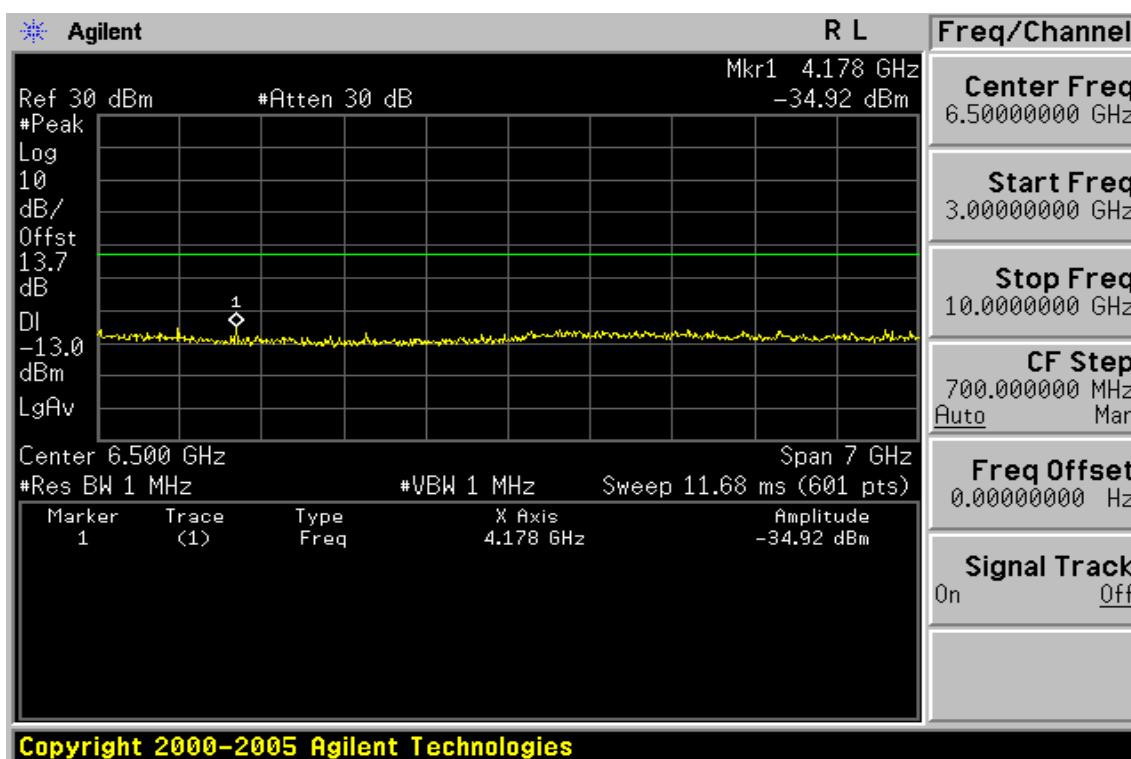
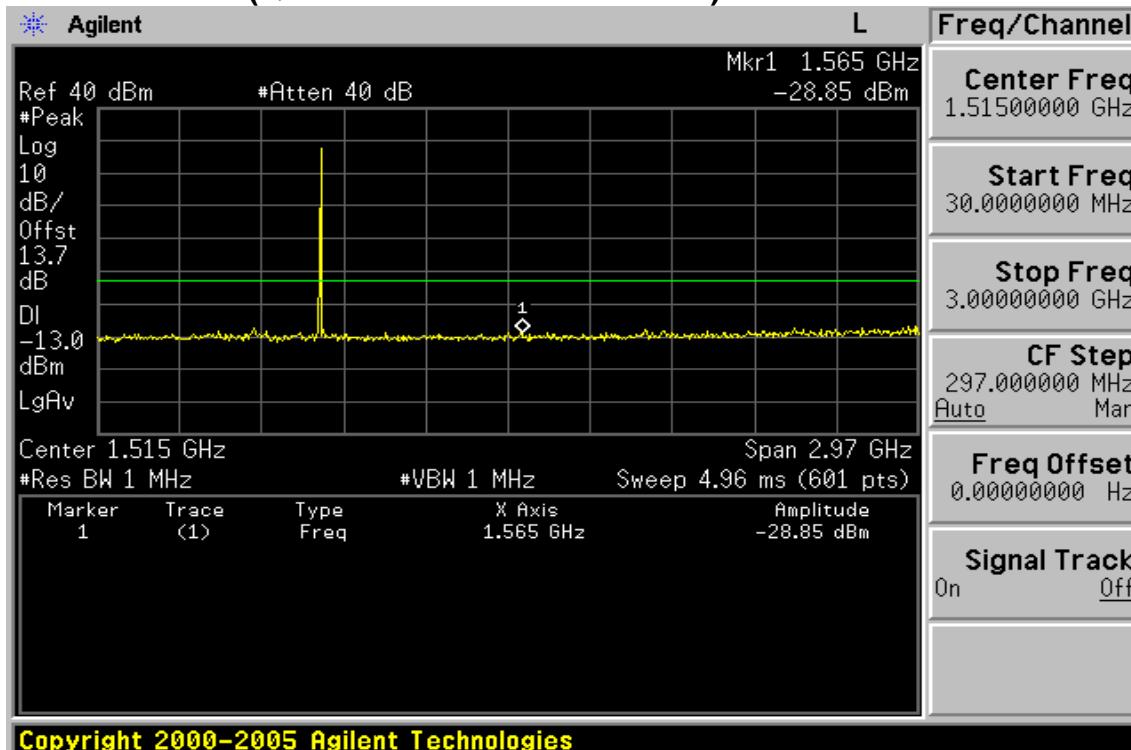


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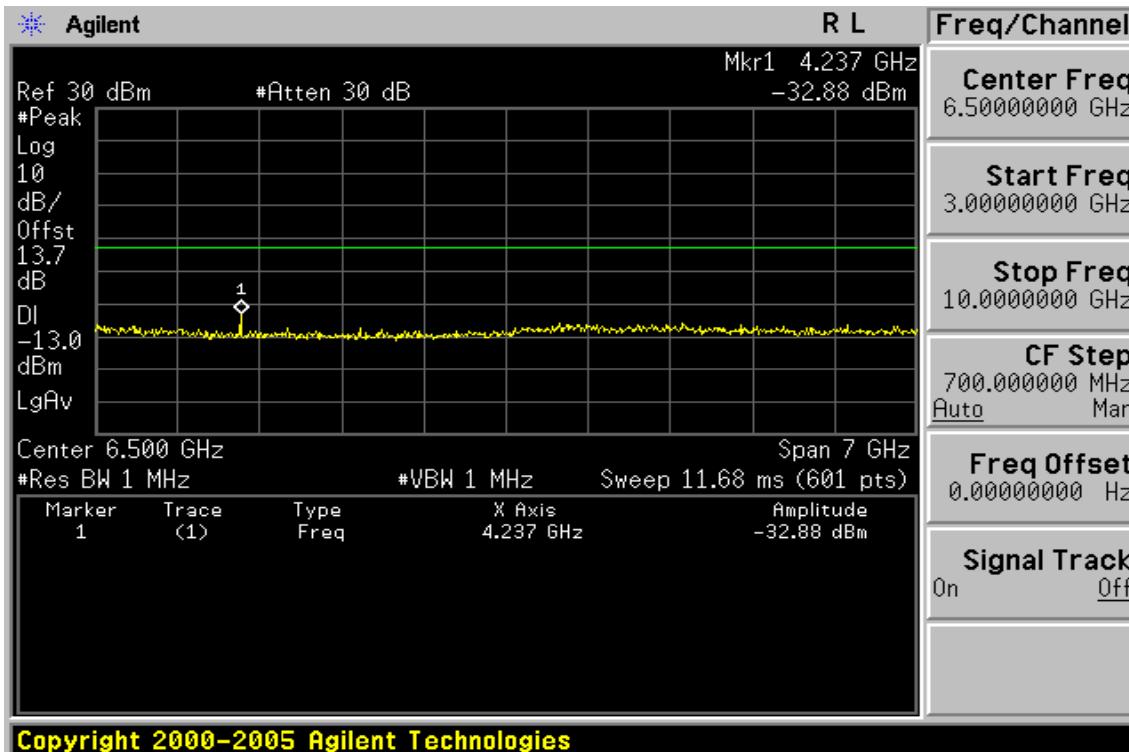
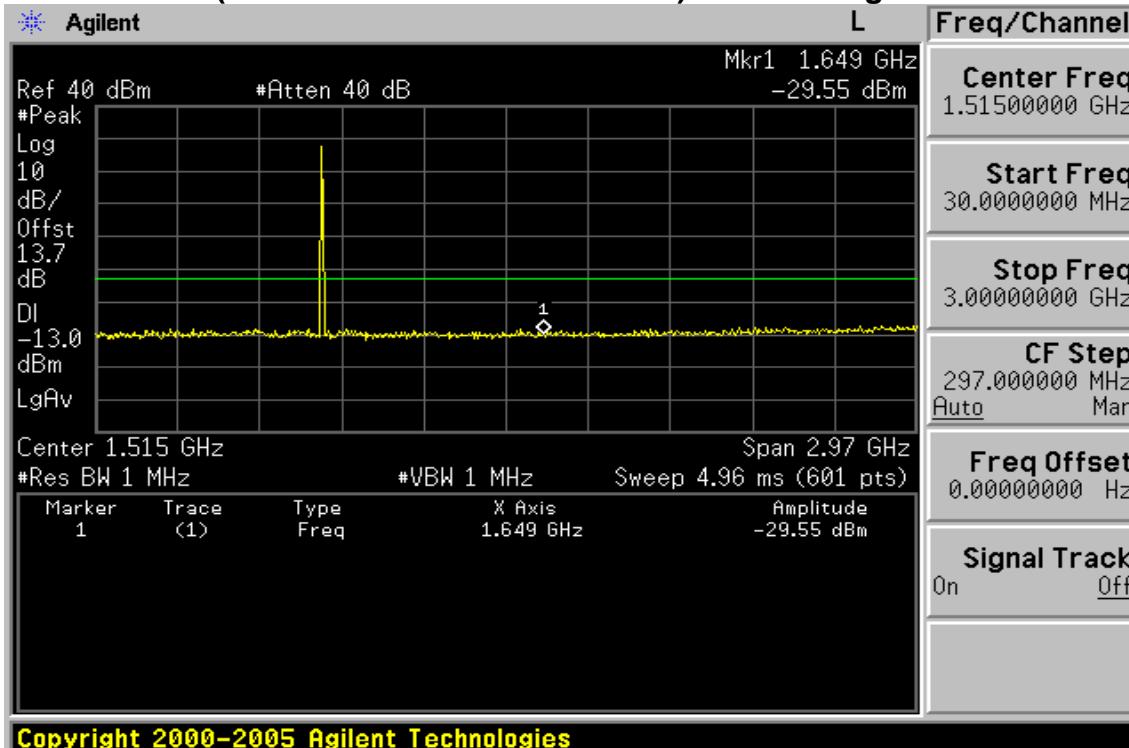
Out of Band emission at antenna terminals –1.4MHz BW LTE-Band 5  
(QPSK RB Number: 1 Offset: 0) Channel Mid

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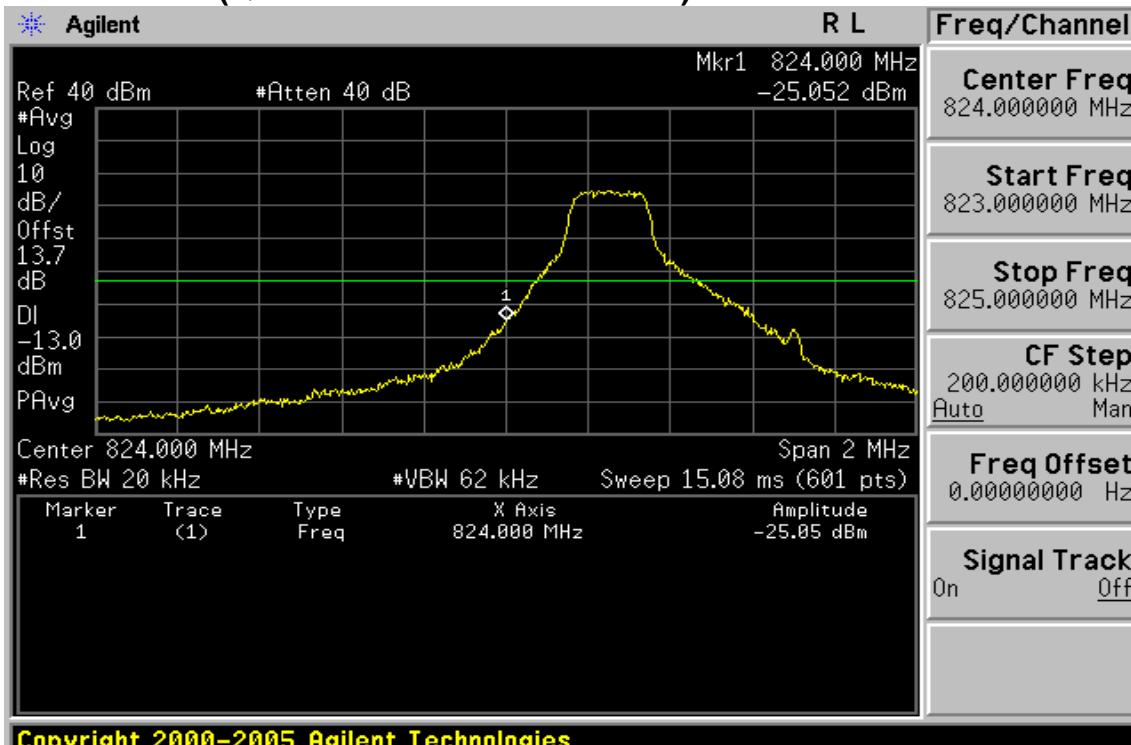
Out of Band emission at antenna terminals–1.4MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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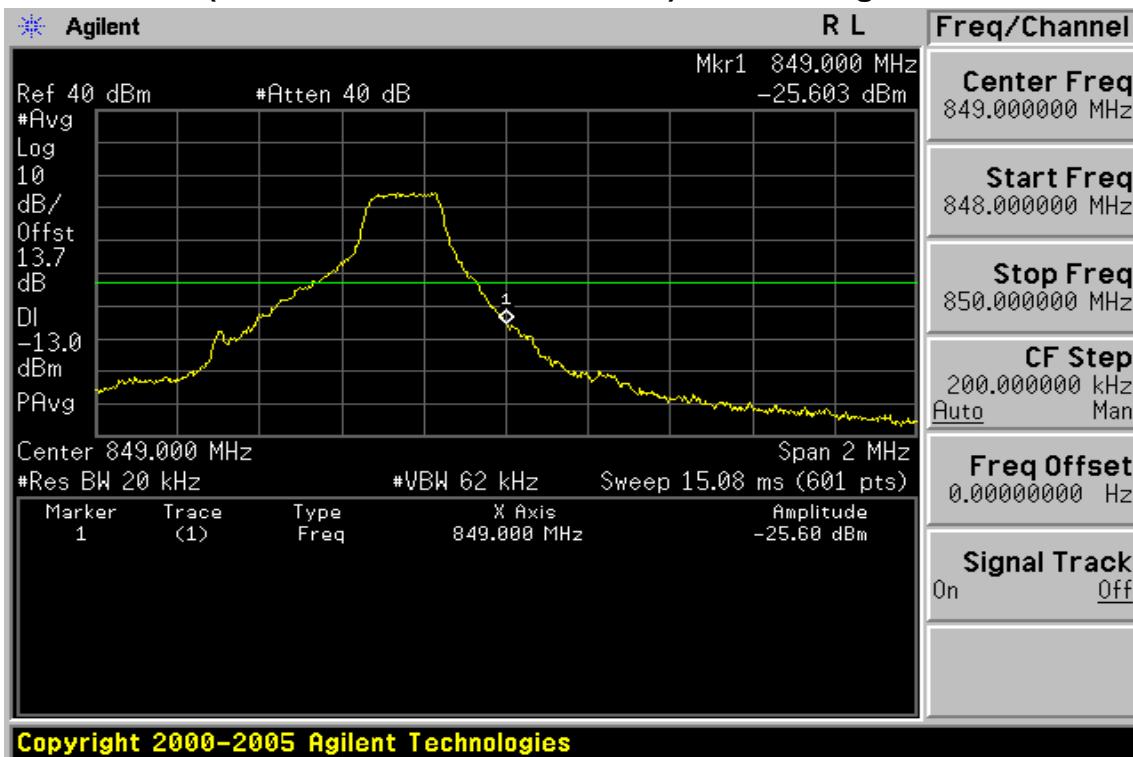
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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 5  
(QPSK RB Number: 1 Offset: 0) Channel Lowest

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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 5  
(QPSK RB Number: 1 Offset: 5) Channel Highest

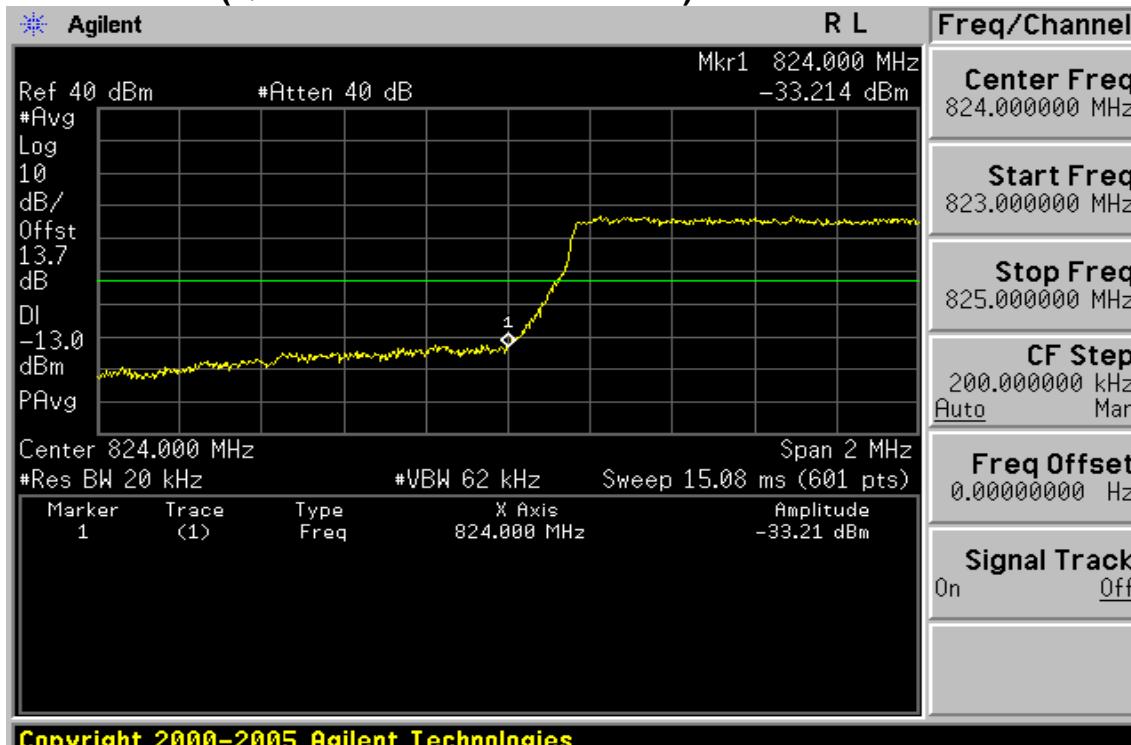
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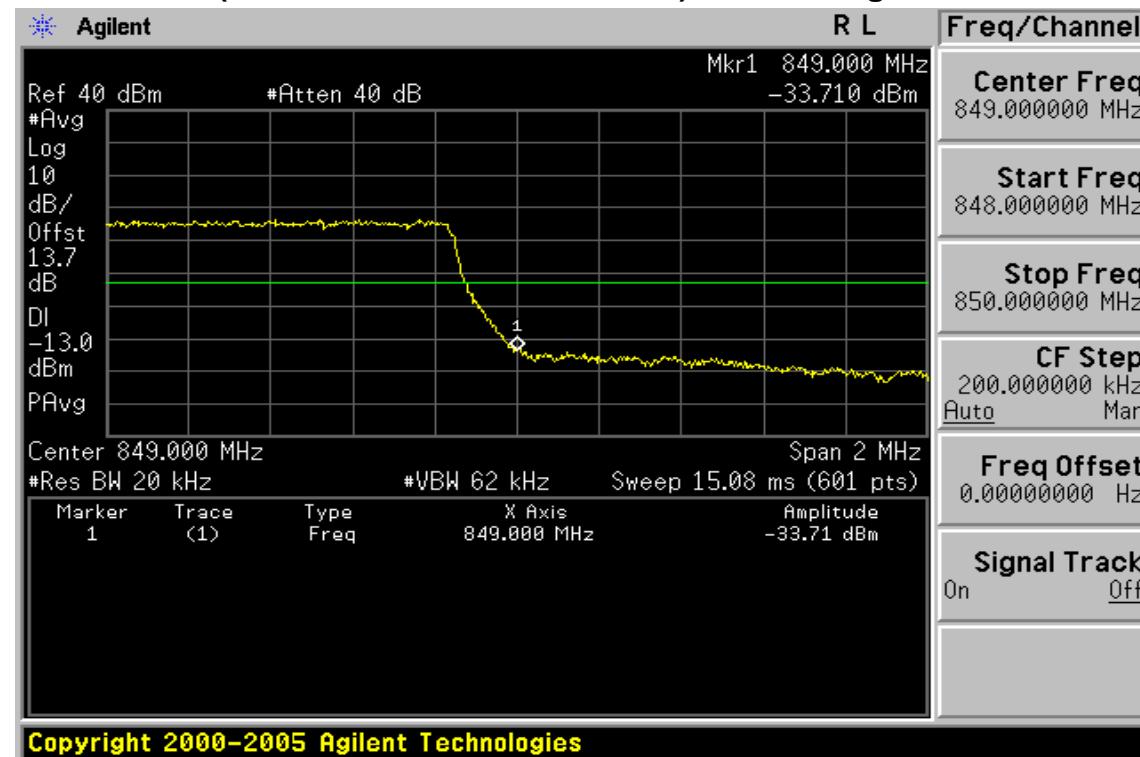
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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 5  
 (QPSK RB Number: 6 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals –1.4MHz BW LTE-Band 5  
 (QPSK RB Number: 6 Offset: 0) Channel Highest


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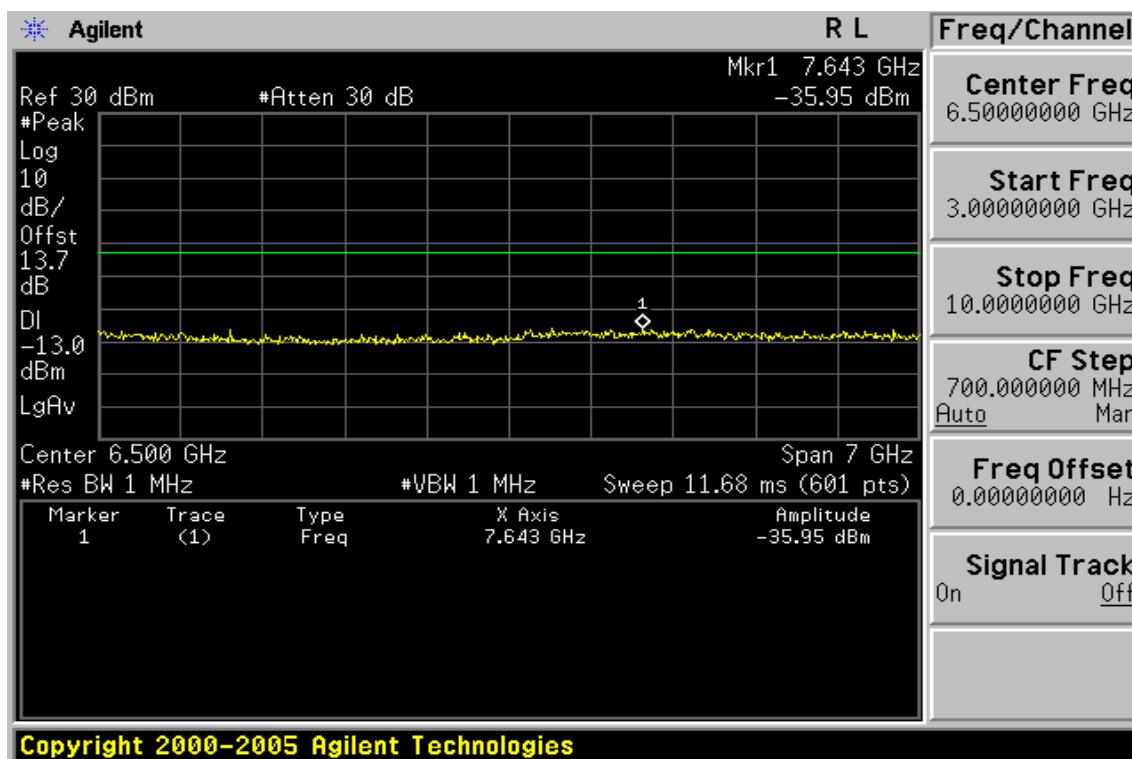
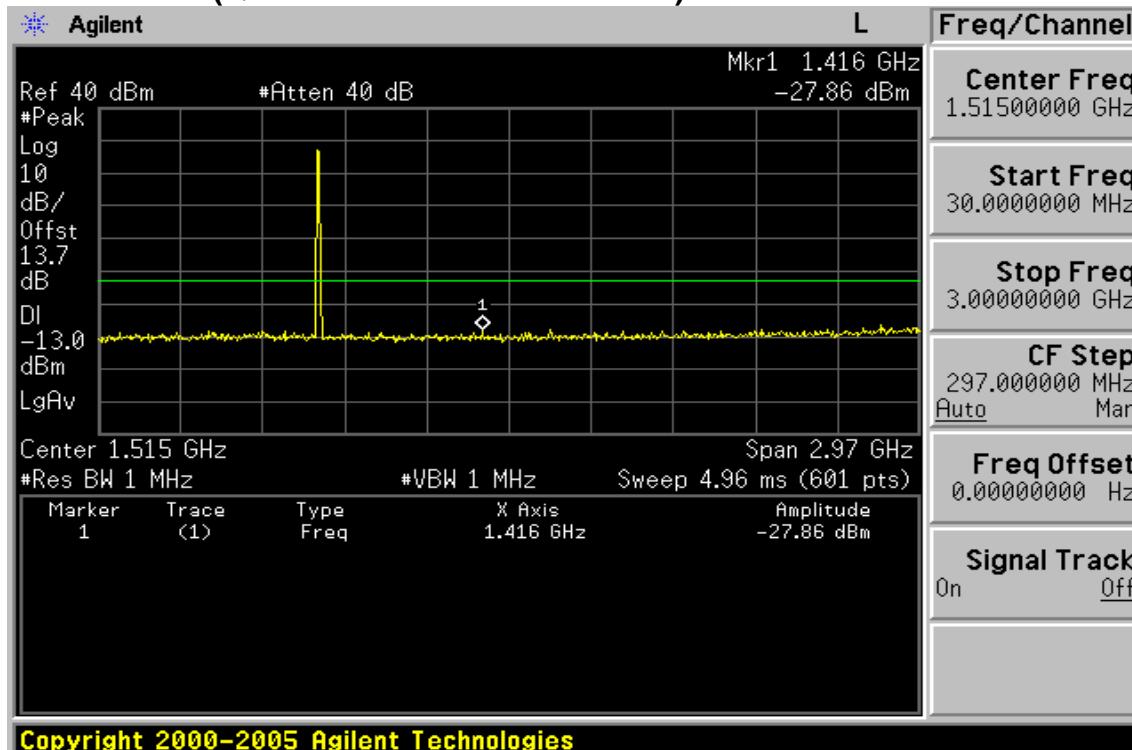
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**Out of Band emission at antenna terminals–3MHz BW LTE-Band 5  
(QPSK RB Number: 1 Offset: 0) Channel Lowest**

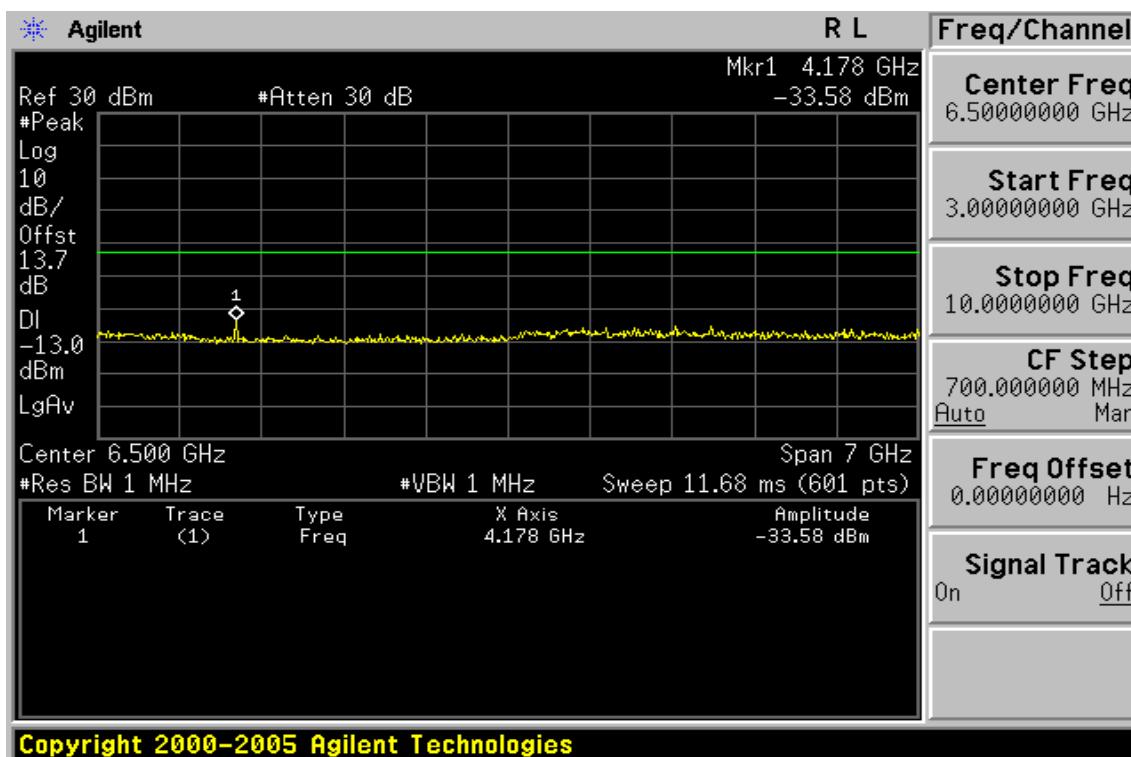
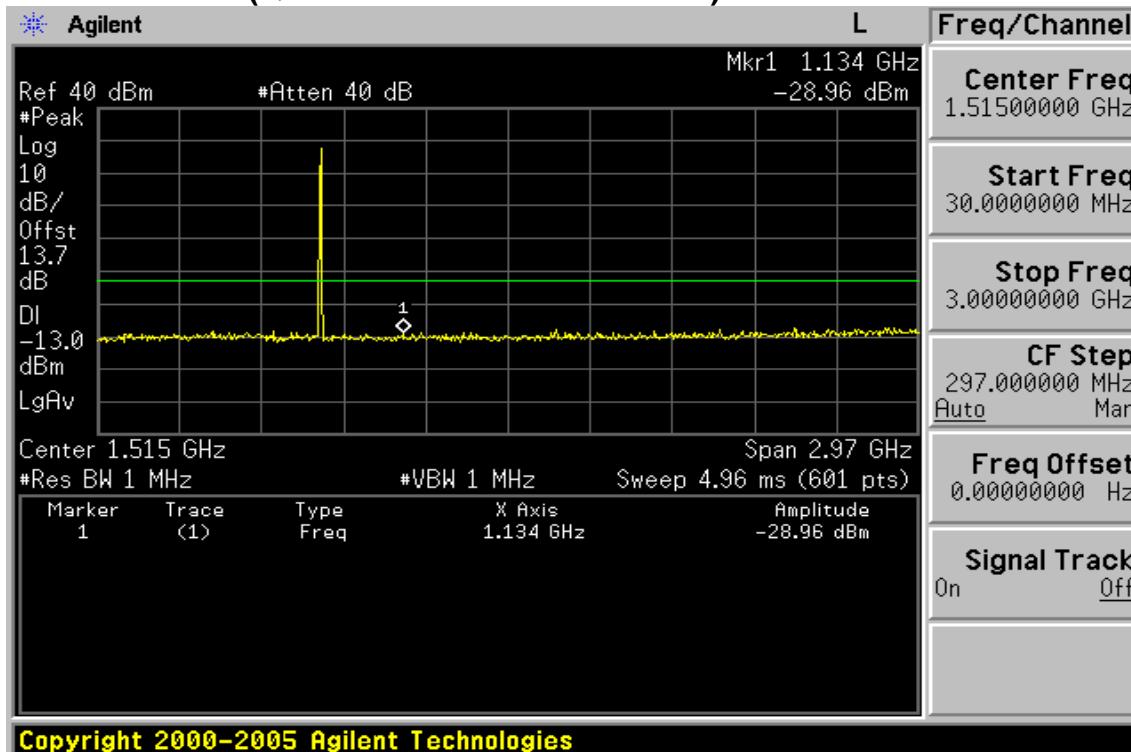


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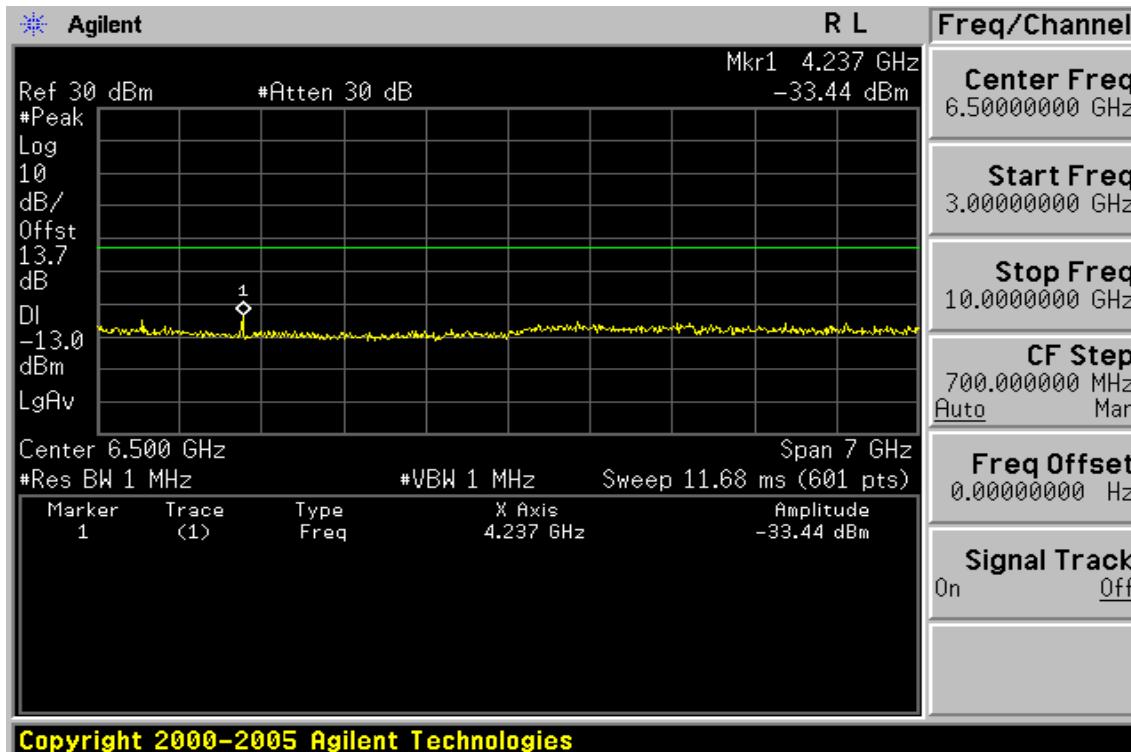
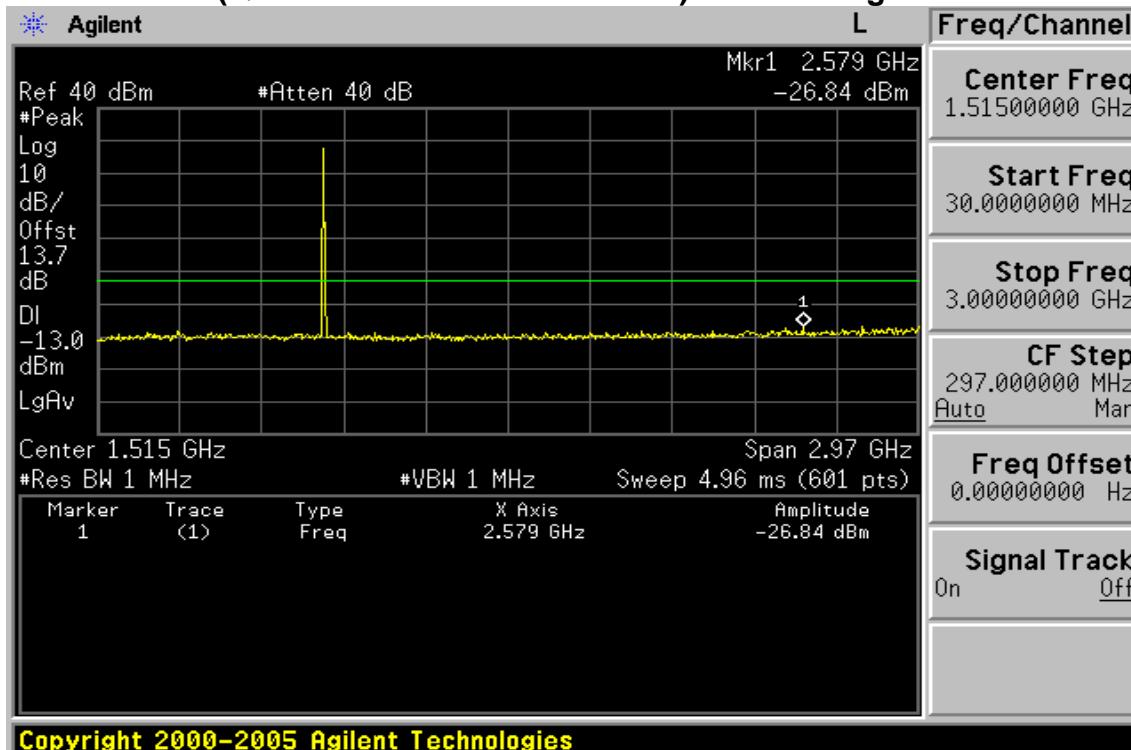
Out of Band emission at antenna terminals –3MHz BW LTE-Band 5  
(QPSK RB Number: 1 Offset: 0) Channel Mid

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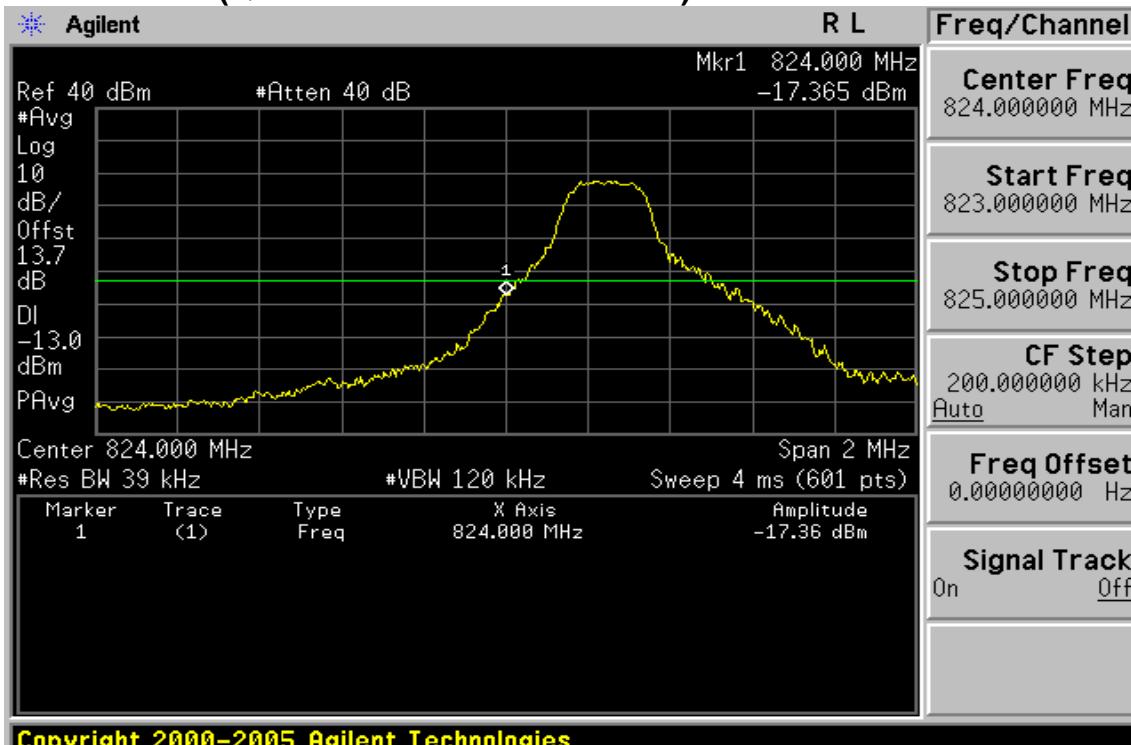
Out of Band emission at antenna terminals–3MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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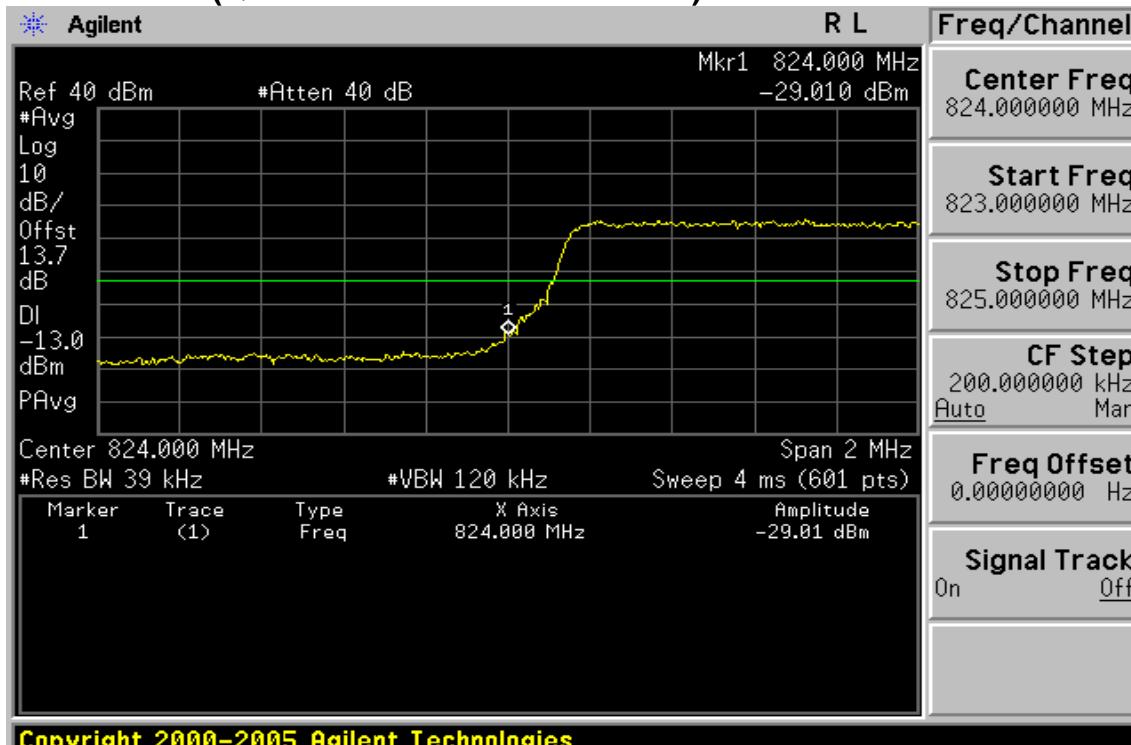
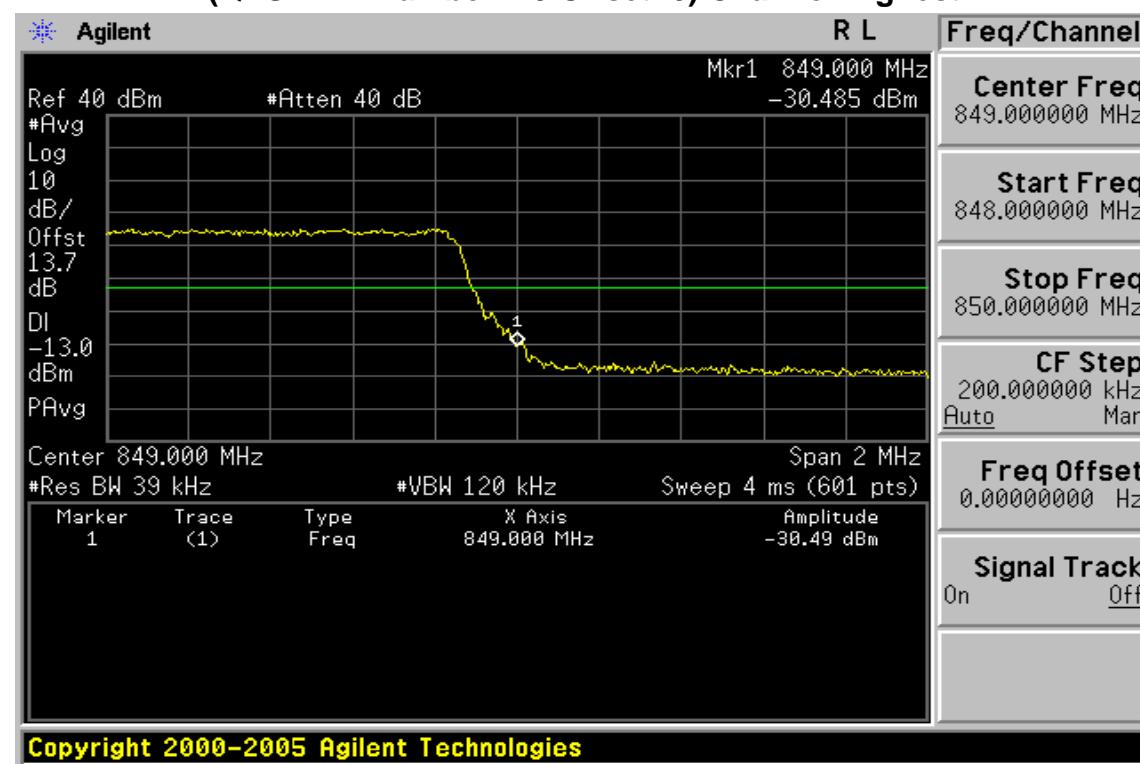
Band edge emission at antenna terminals –3MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –3MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 14) Channel Highest


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Band edge emission at antenna terminals –3MHz BW LTE-Band 5  
 (QPSK RB Number: 15 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –3MHz BW LTE-Band 5  
 (QPSK RB Number: 15 Offset: 0) Channel Highest


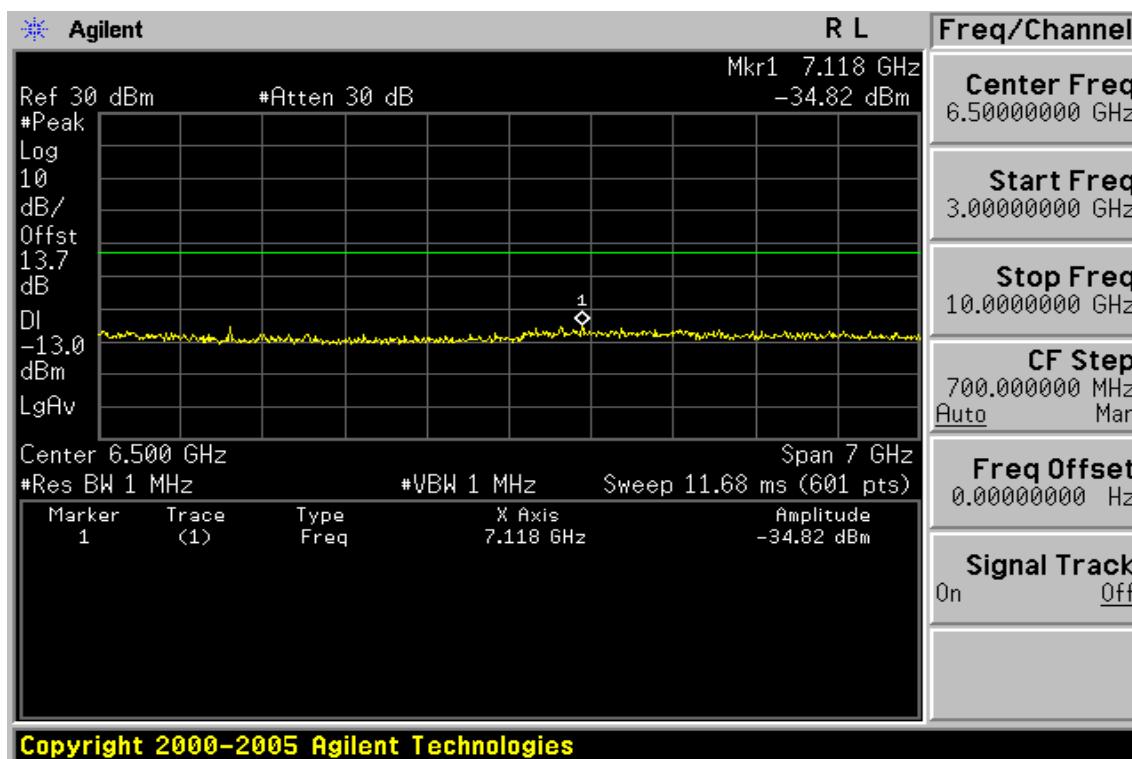
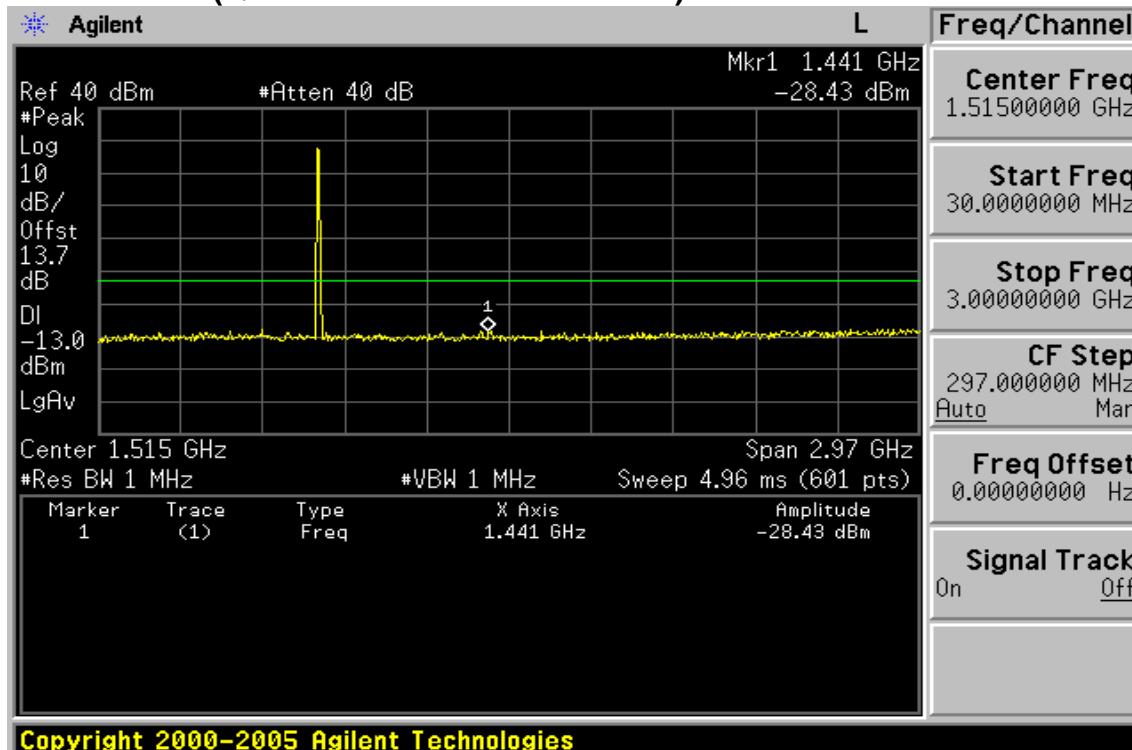
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**Out of Band emission at antenna terminals–5MHz BW LTE-Band 5  
(QPSK RB Number: 1 Offset: 0) Channel Lowest**

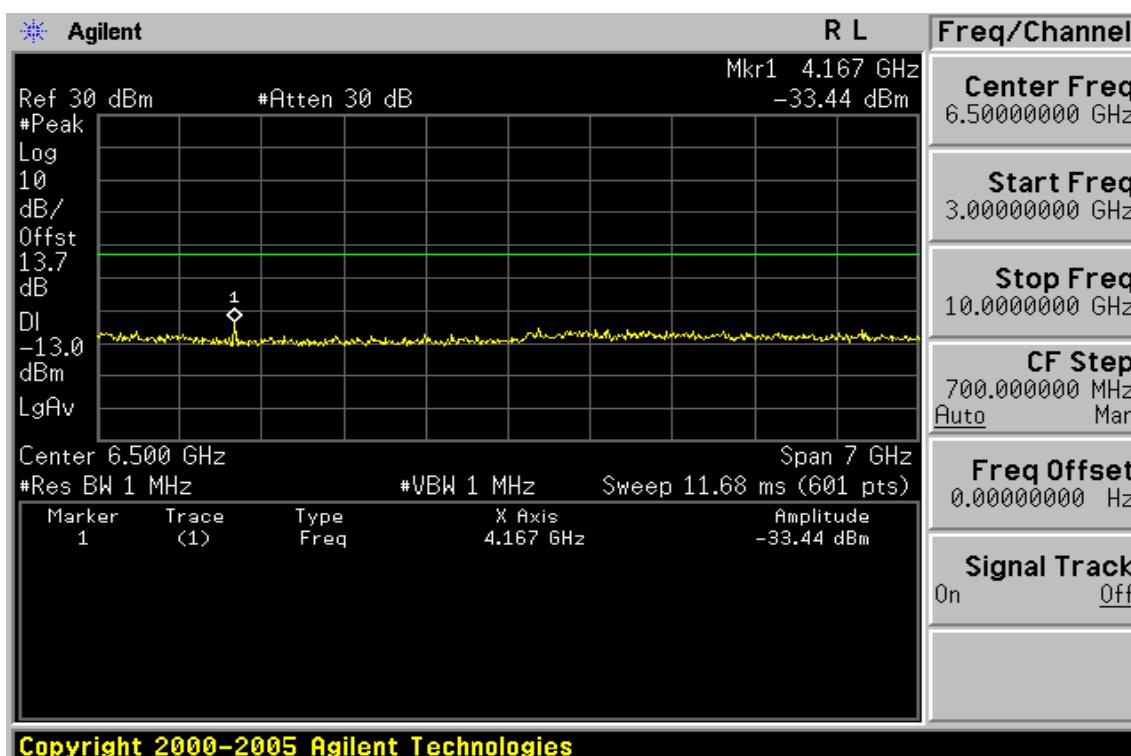
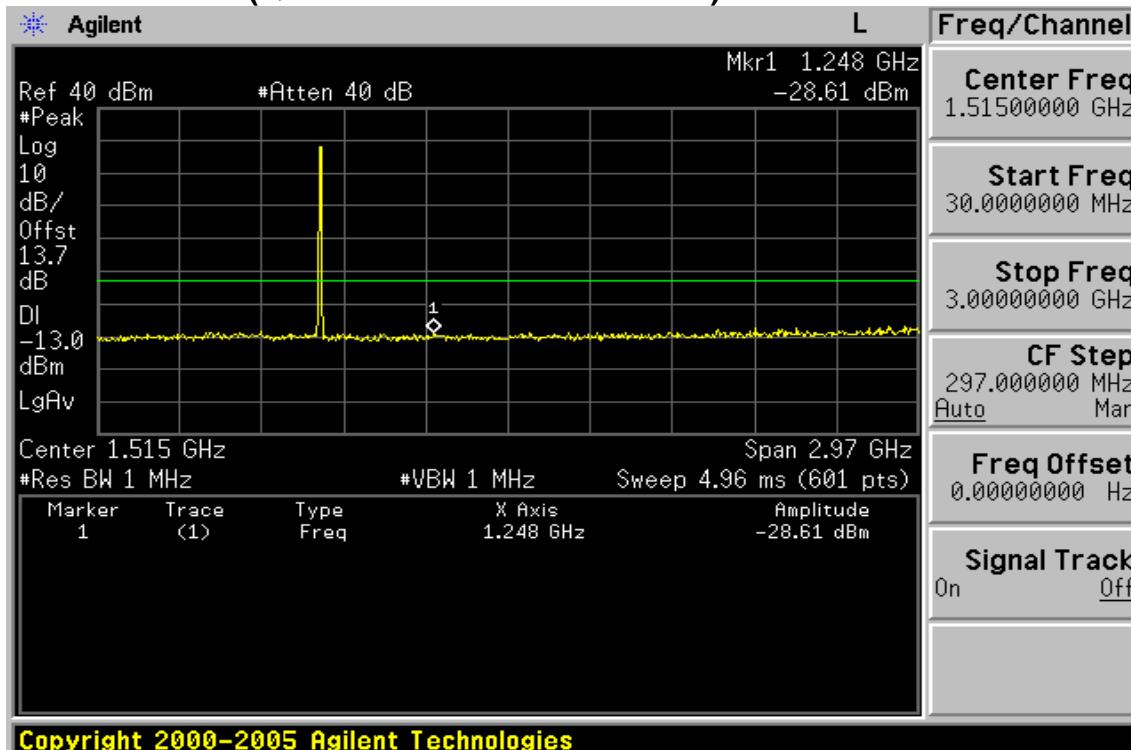


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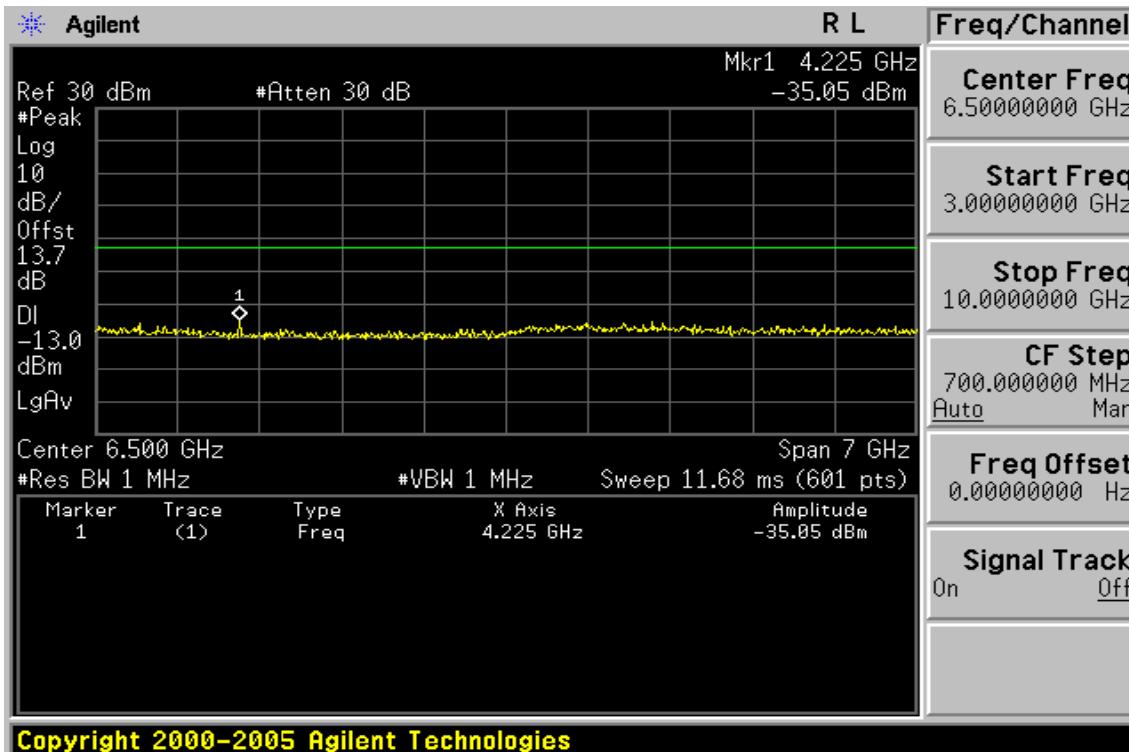
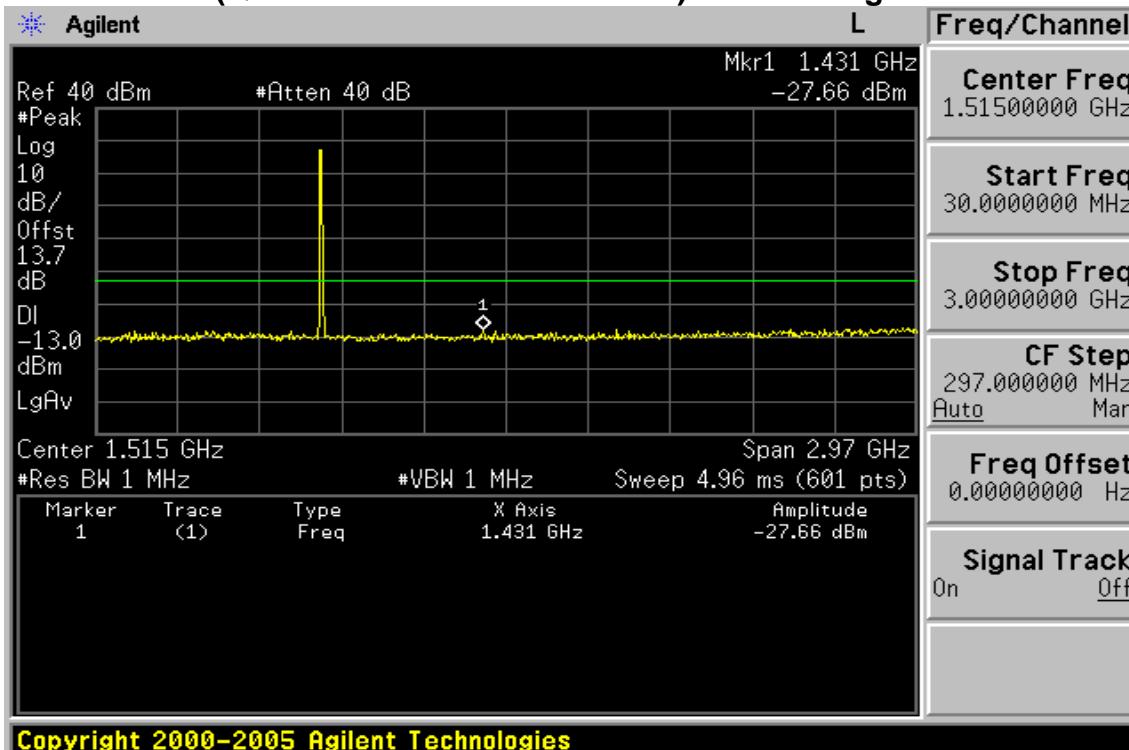
Out of Band emission at antenna terminals –5MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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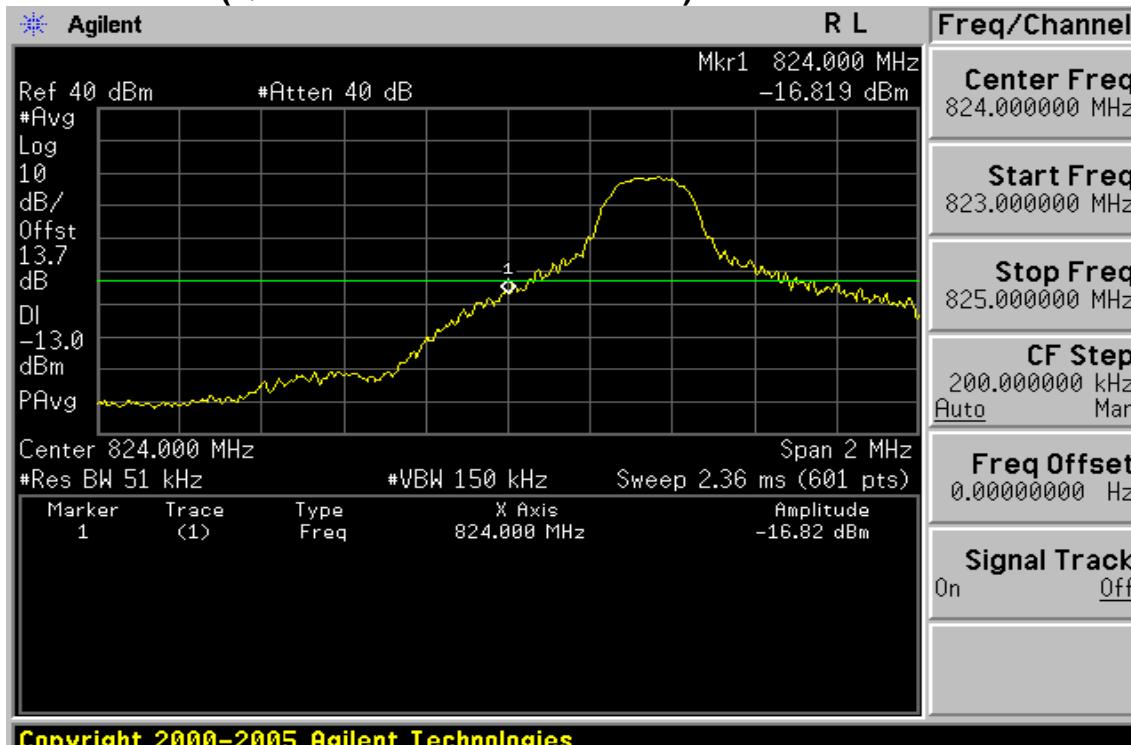
Out of Band emission at antenna terminals—5MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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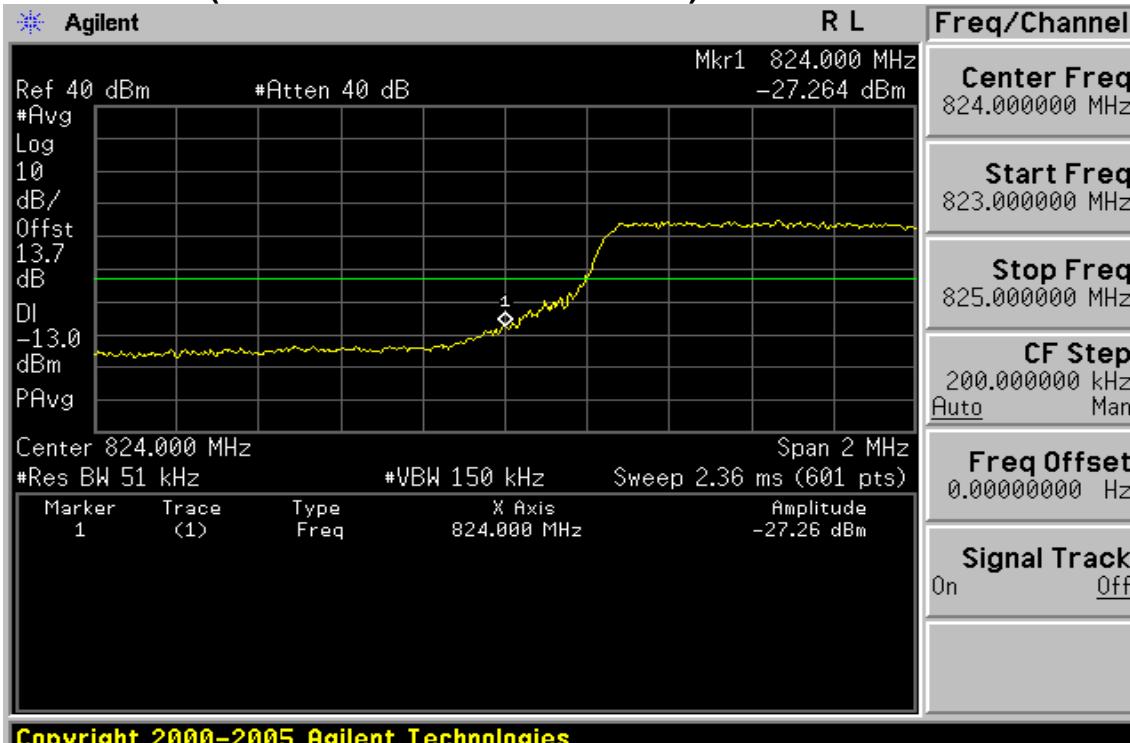
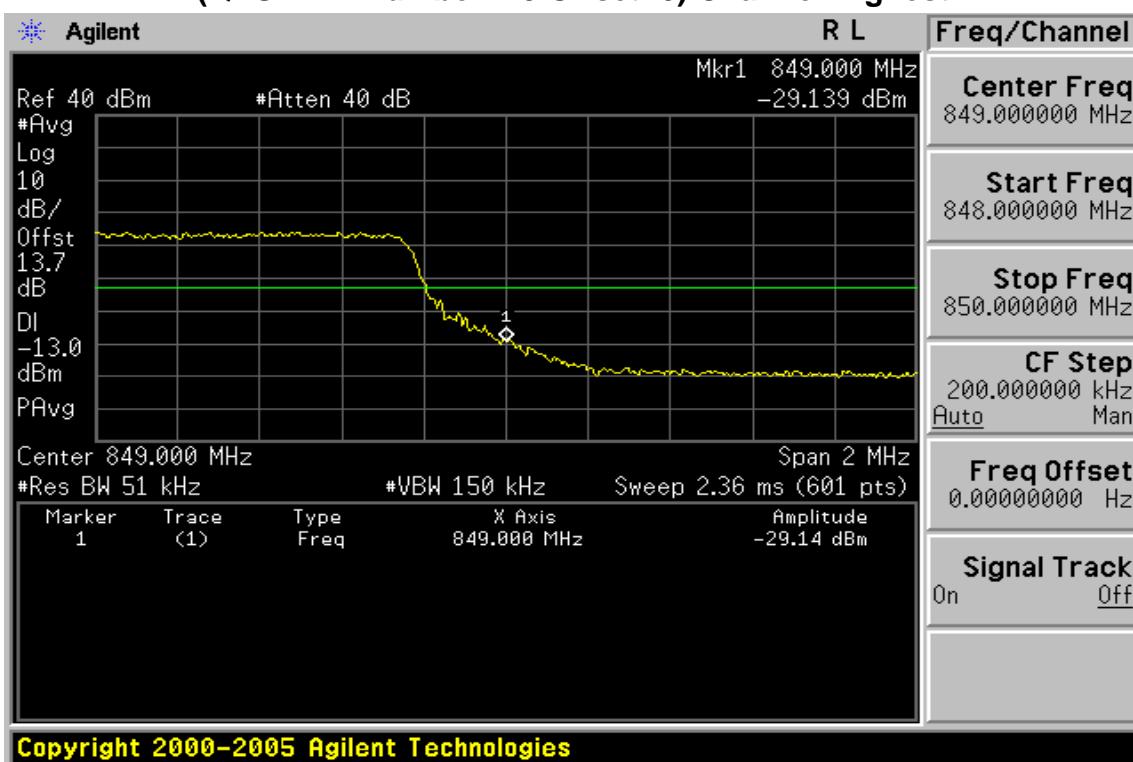
Band edge emission at antenna terminals –5MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –5MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 24) Channel Highest


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Band edge emission at antenna terminals –5MHz BW LTE-Band 5  
 (QPSK RB Number: 25 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –5MHz BW LTE-Band 5  
 (QPSK RB Number: 25 Offset: 0) Channel Highest


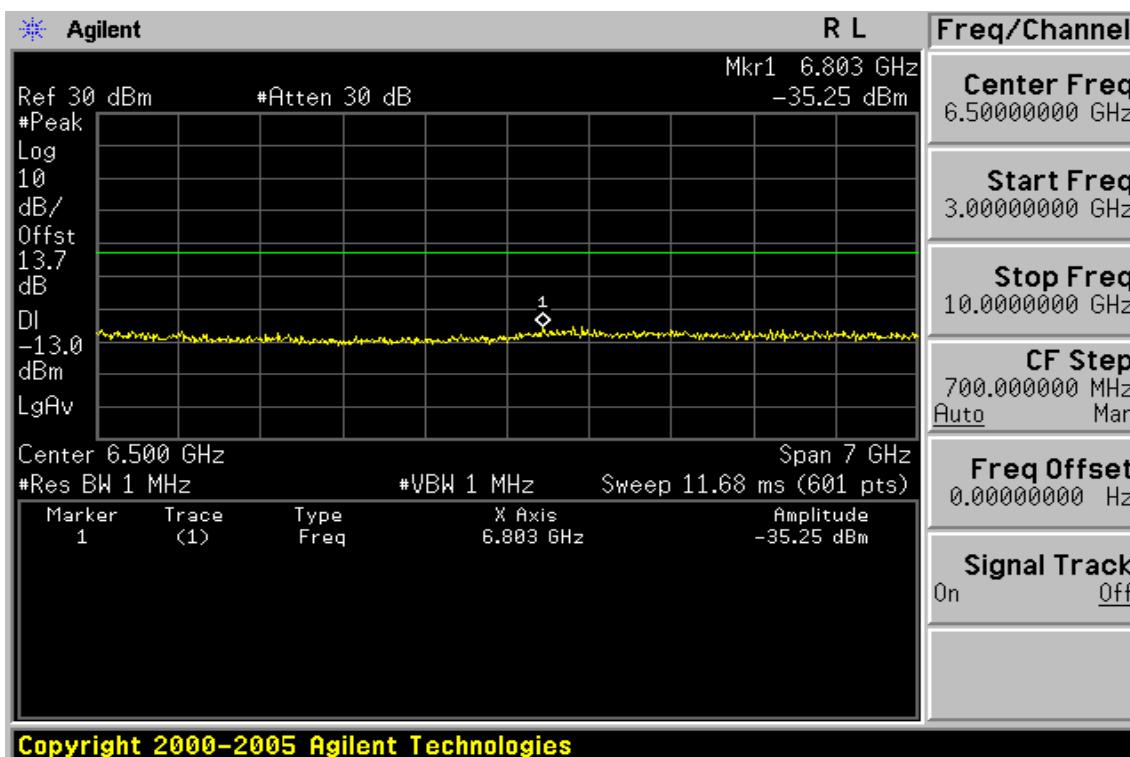
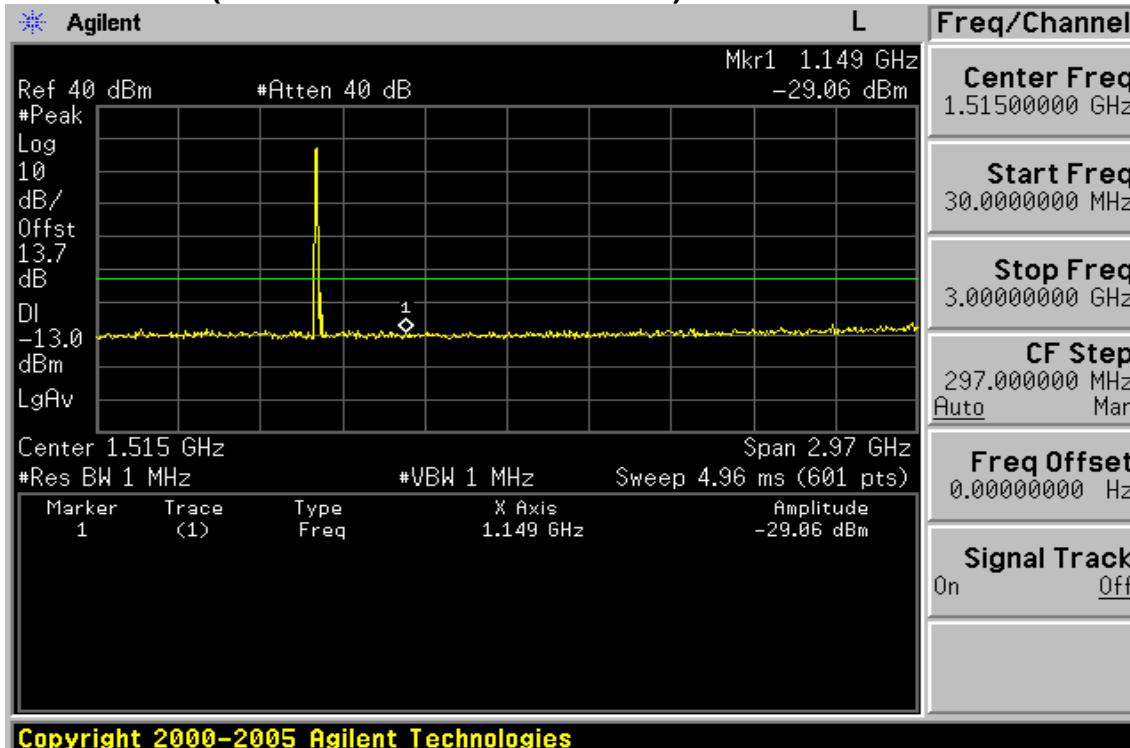
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**Out of Band emission at antenna terminals–10MHz BW LTE-Band 5  
(QPSK RB Number: 1 Offset: 0) Channel Lowest**

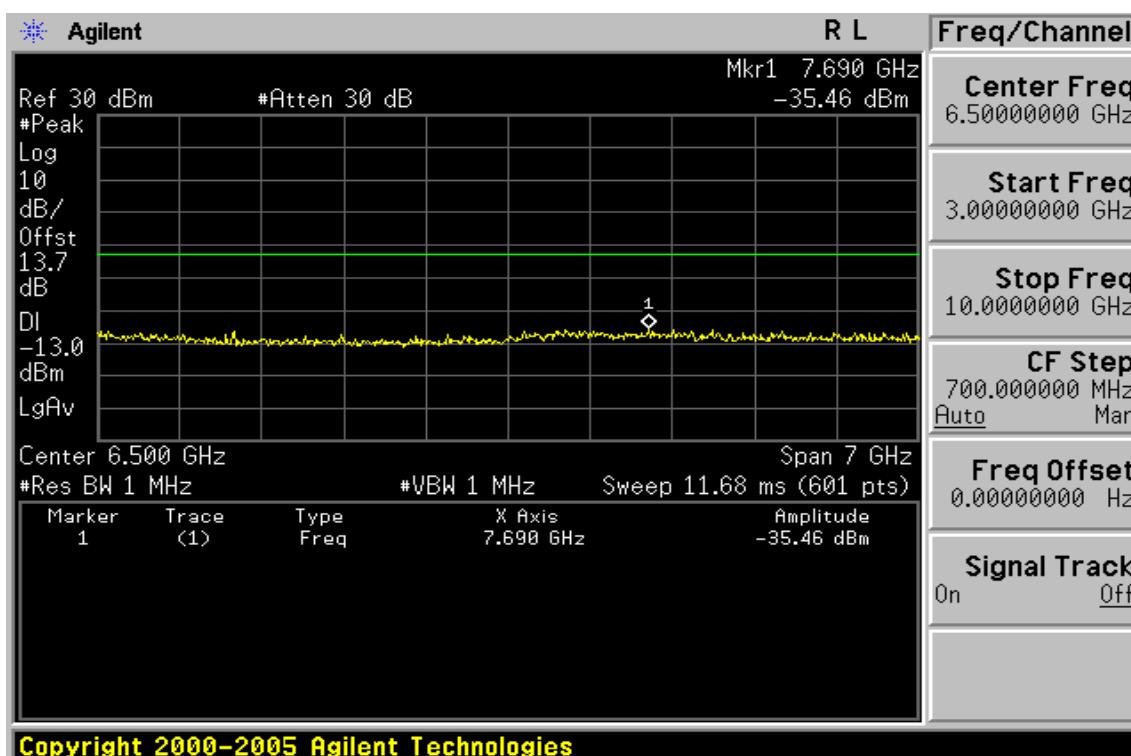
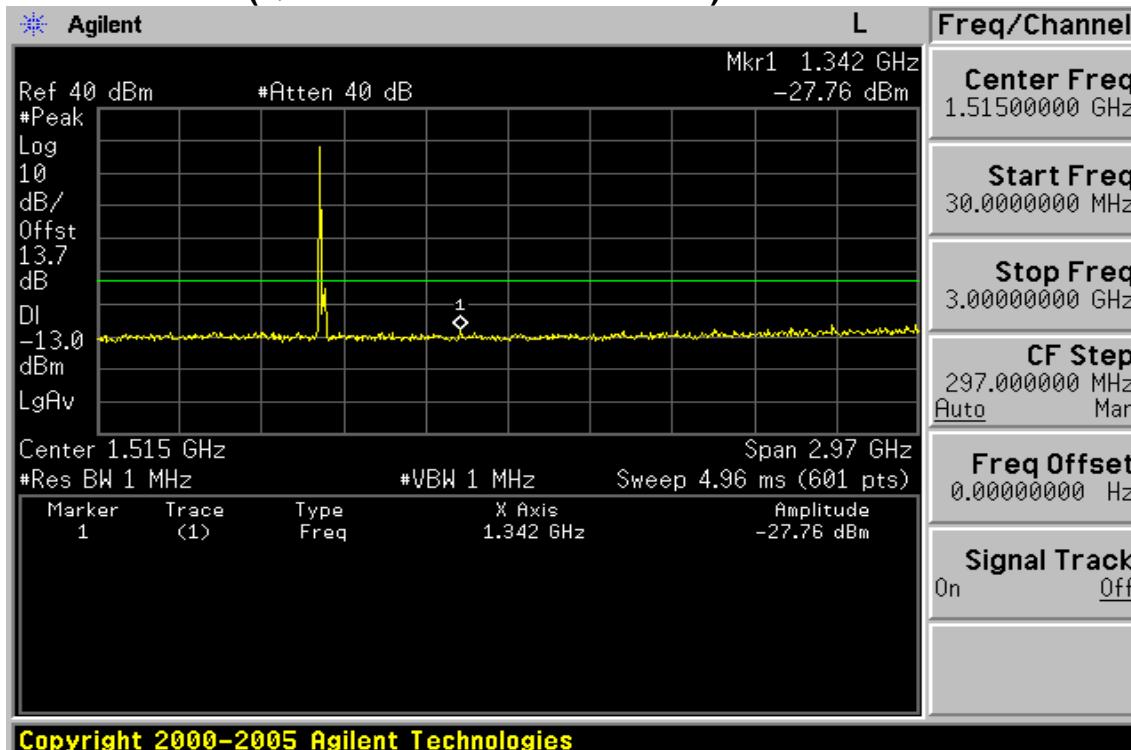


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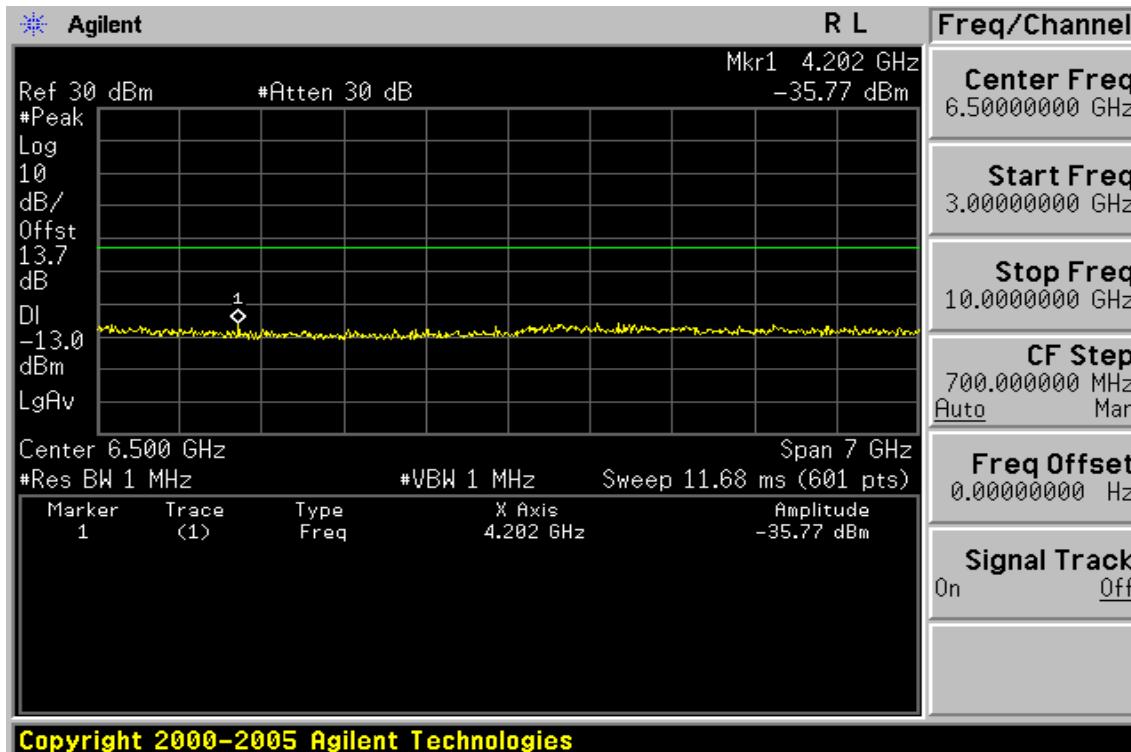
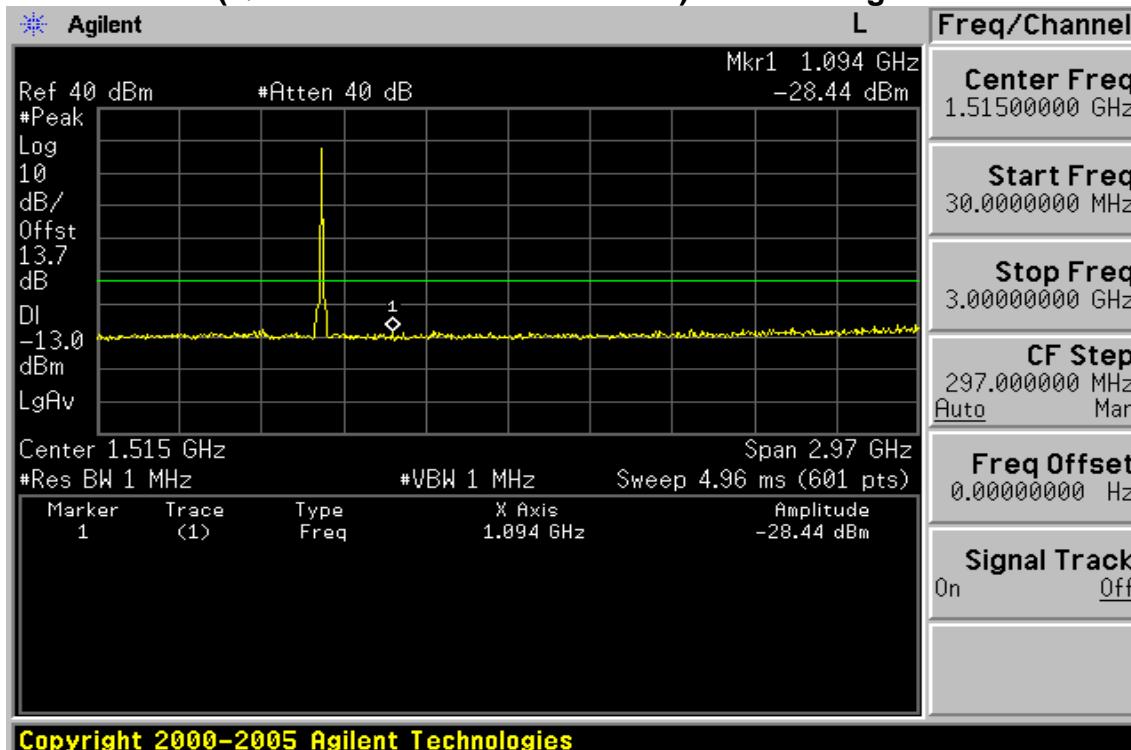
Out of Band emission at antenna terminals –10MHz BW LTE-Band 5  
(QPSK RB Number: 1 Offset: 0) Channel Mid

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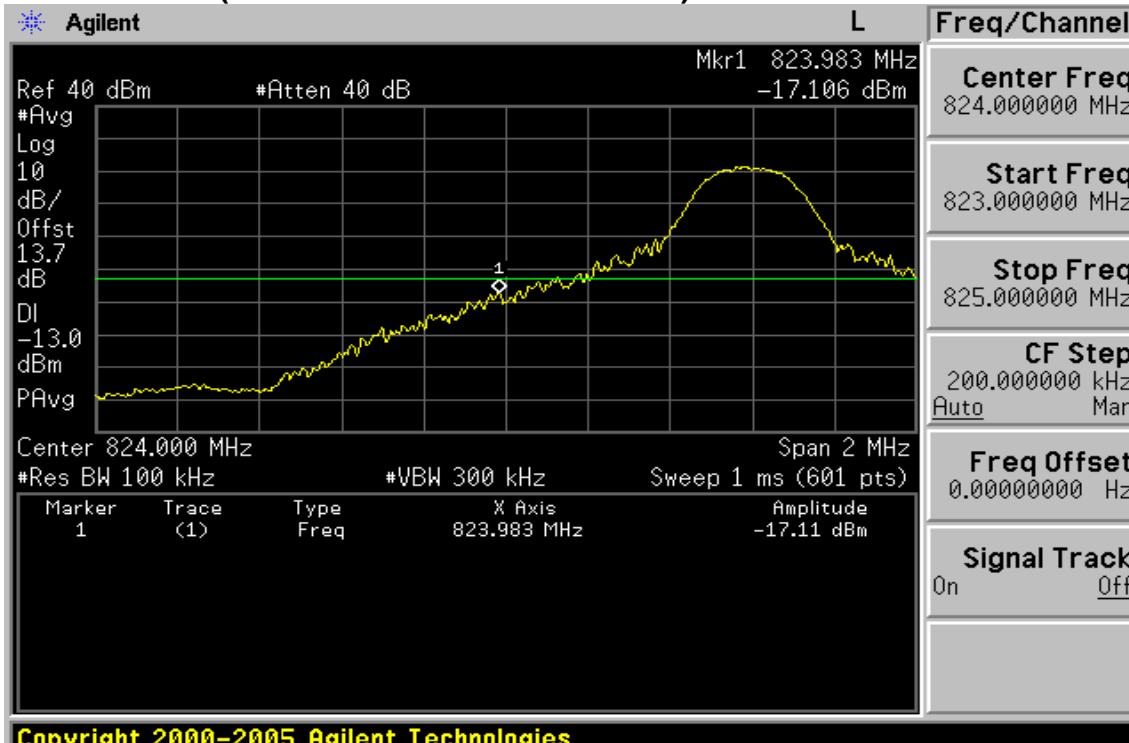
Out of Band emission at antenna terminals—10MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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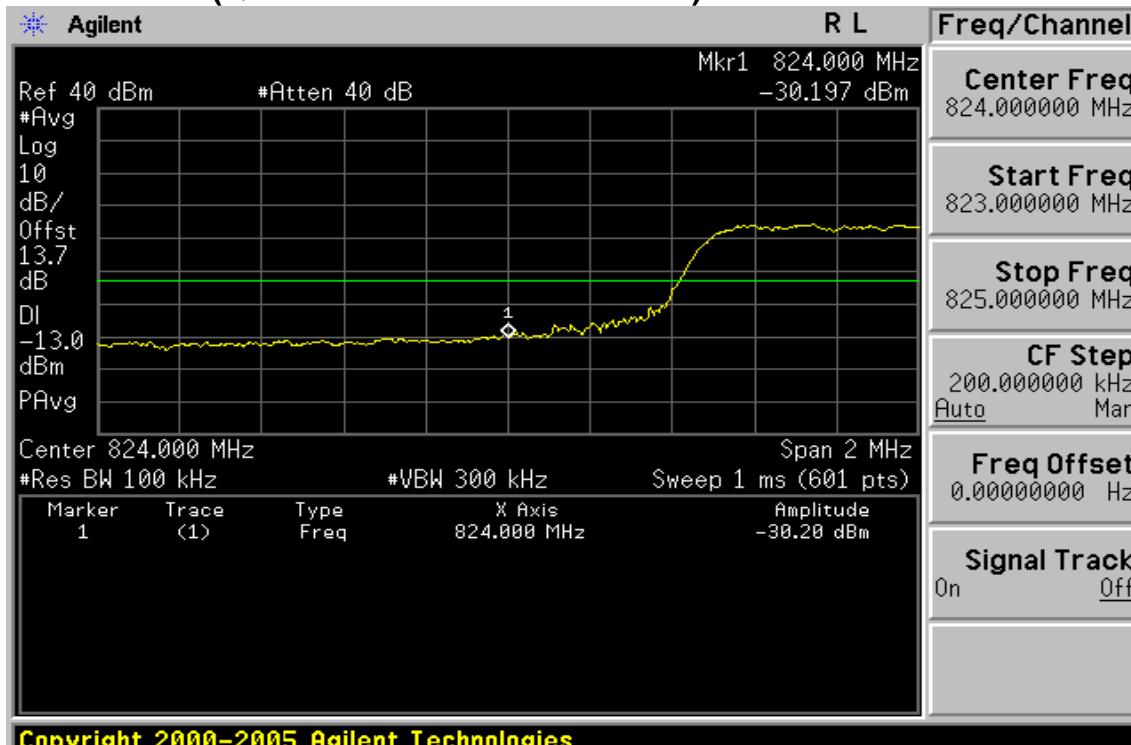
Band edge emission at antenna terminals –10MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –10MHz BW LTE-Band 5  
 (QPSK RB Number: 1 Offset: 49) Channel Highest


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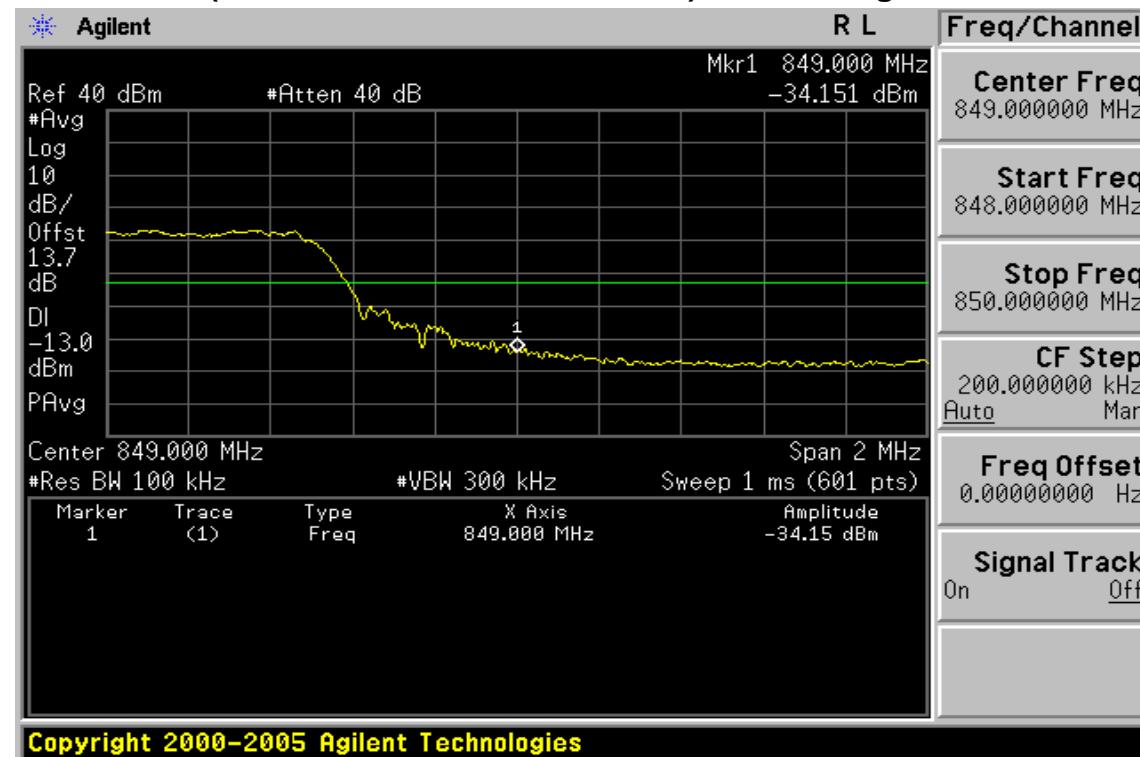
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Band edge emission at antenna terminals –10MHz BW LTE-Band 5  
 (QPSK RB Number: 50 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals –10MHz BW LTE-Band 5  
 (QPSK RB Number: 50 Offset: 0) Channel Highest


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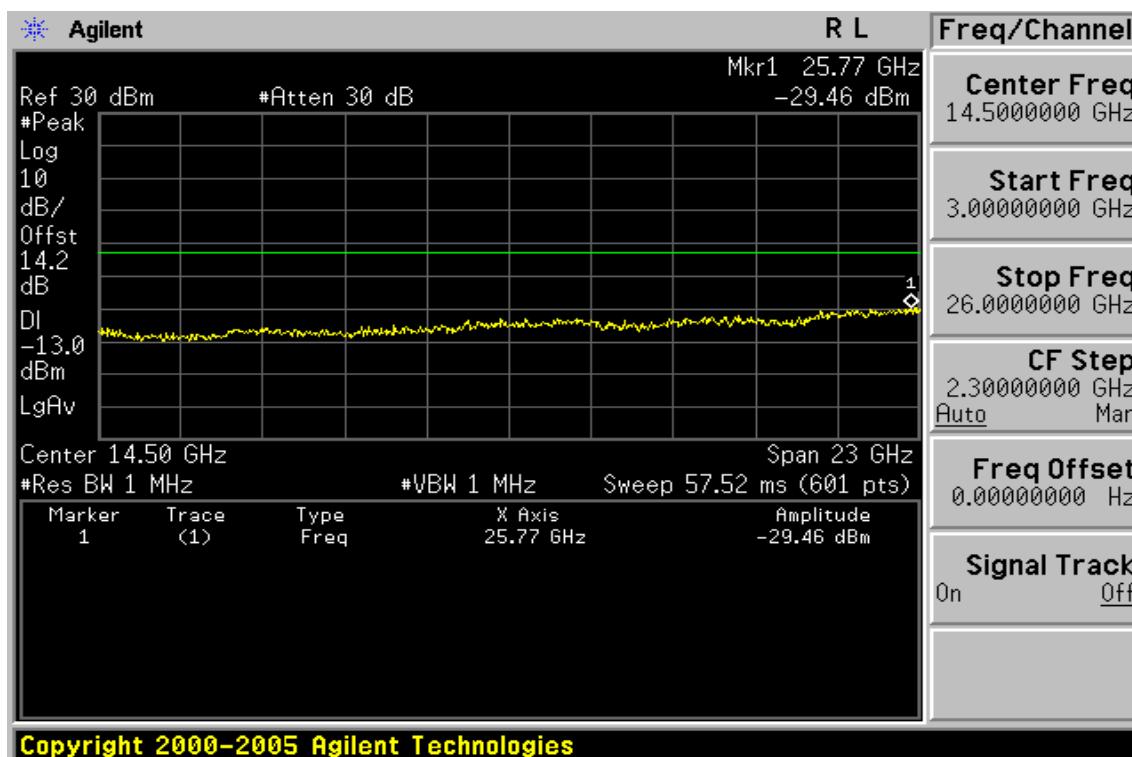
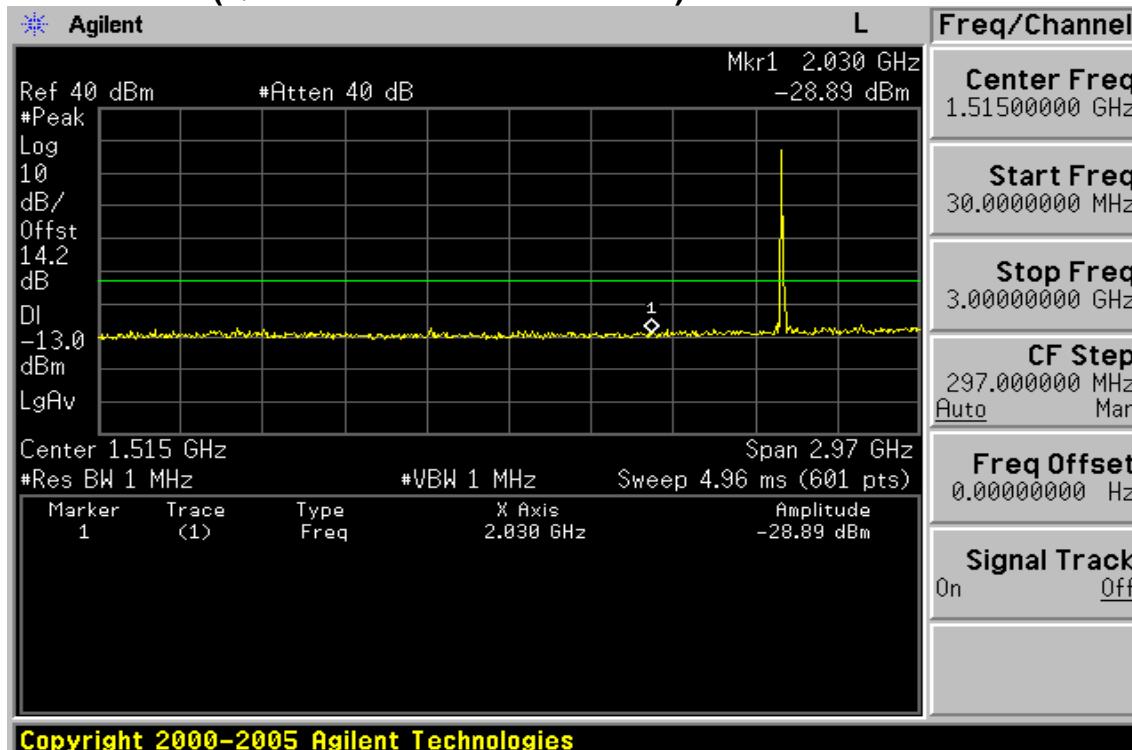
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**Out of Band emission at antenna terminals–5MHz BW LTE-Band 7  
(QPSK RB Number: 1 Offset: 0) Channel Lowest**

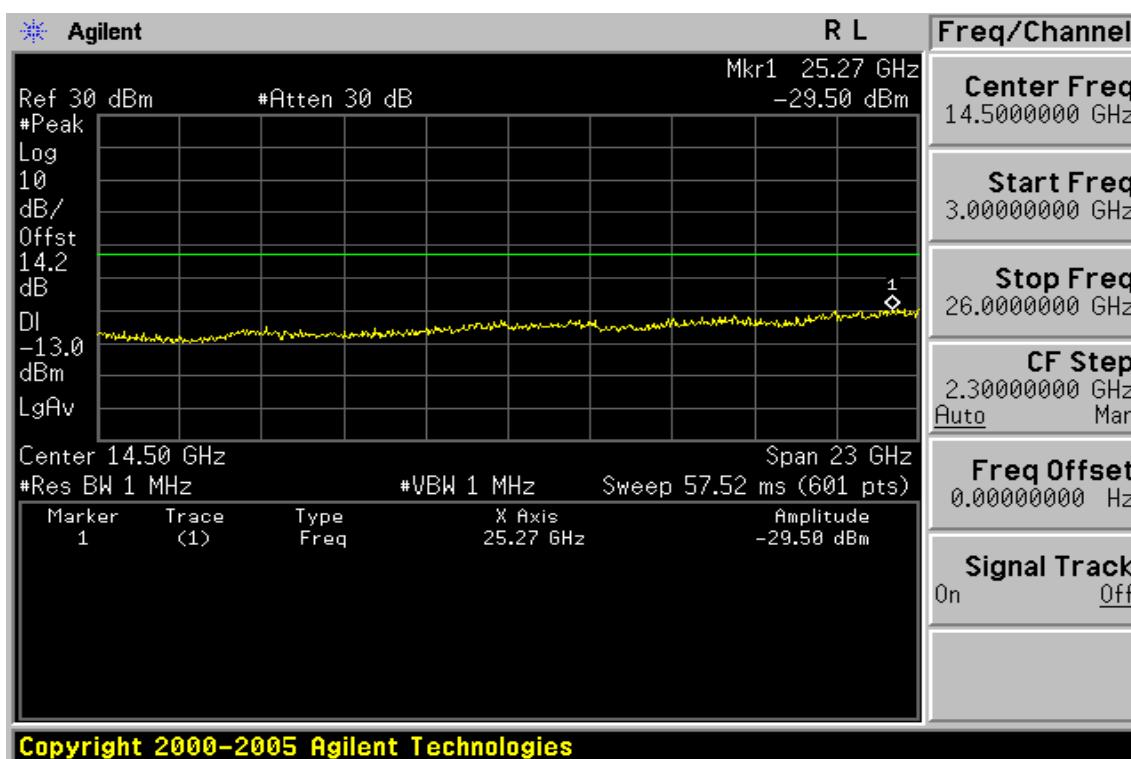
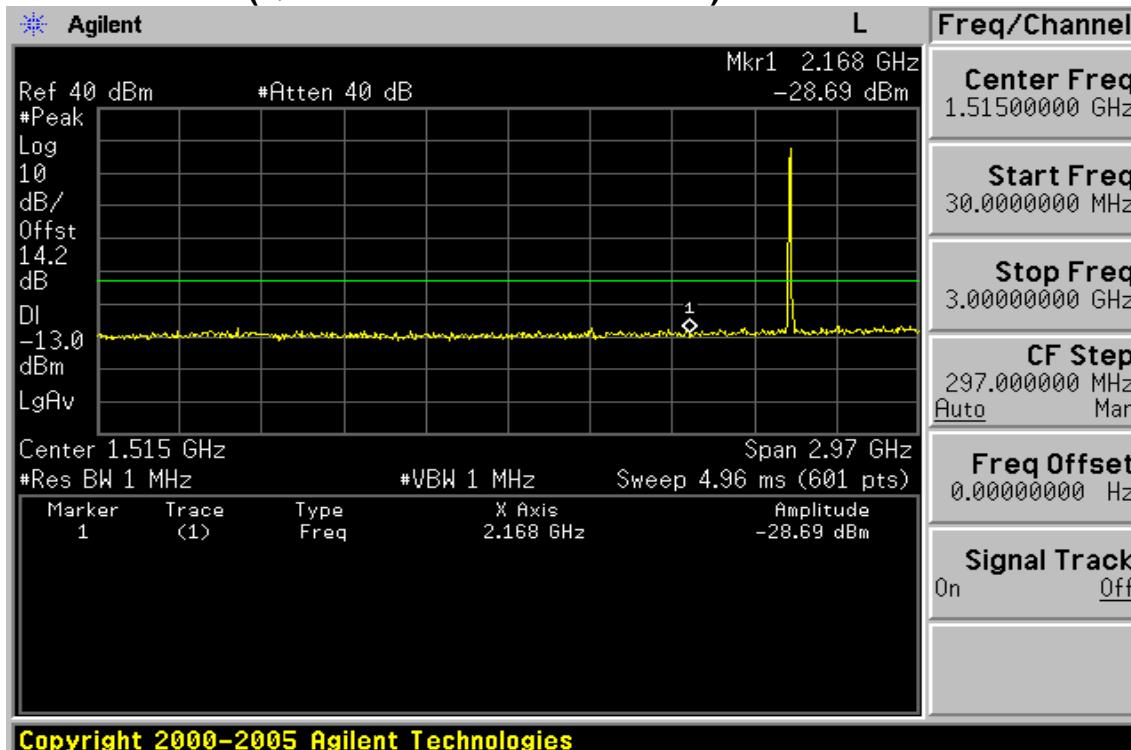


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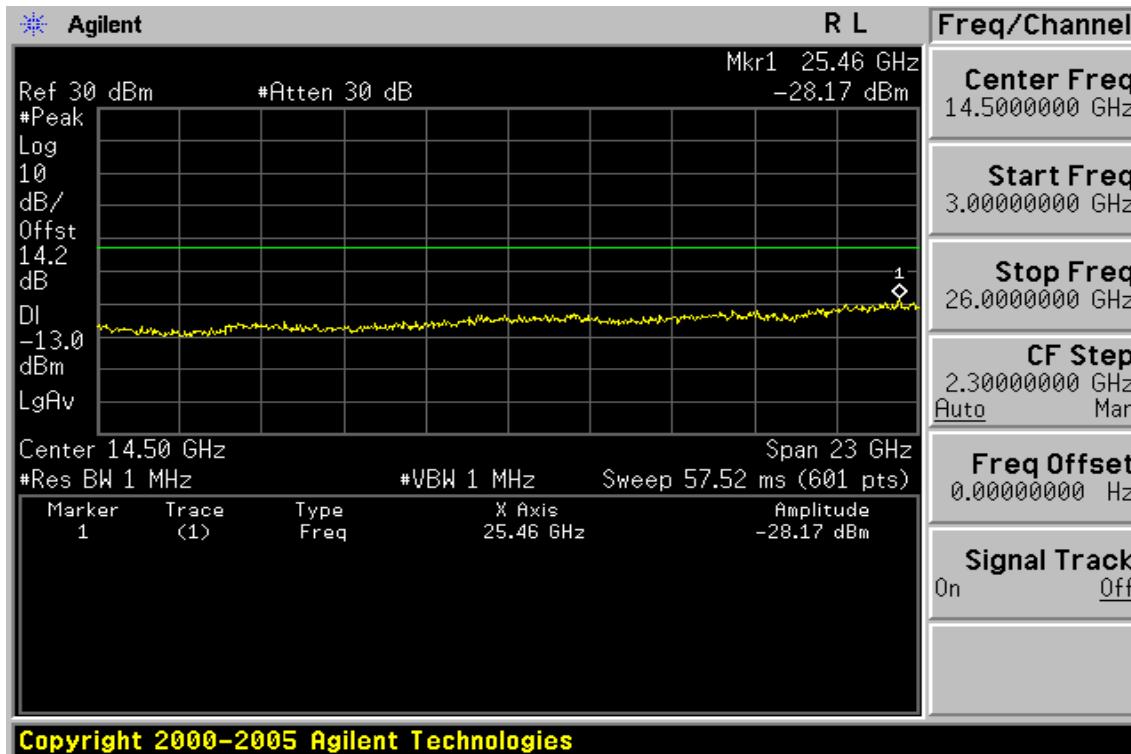
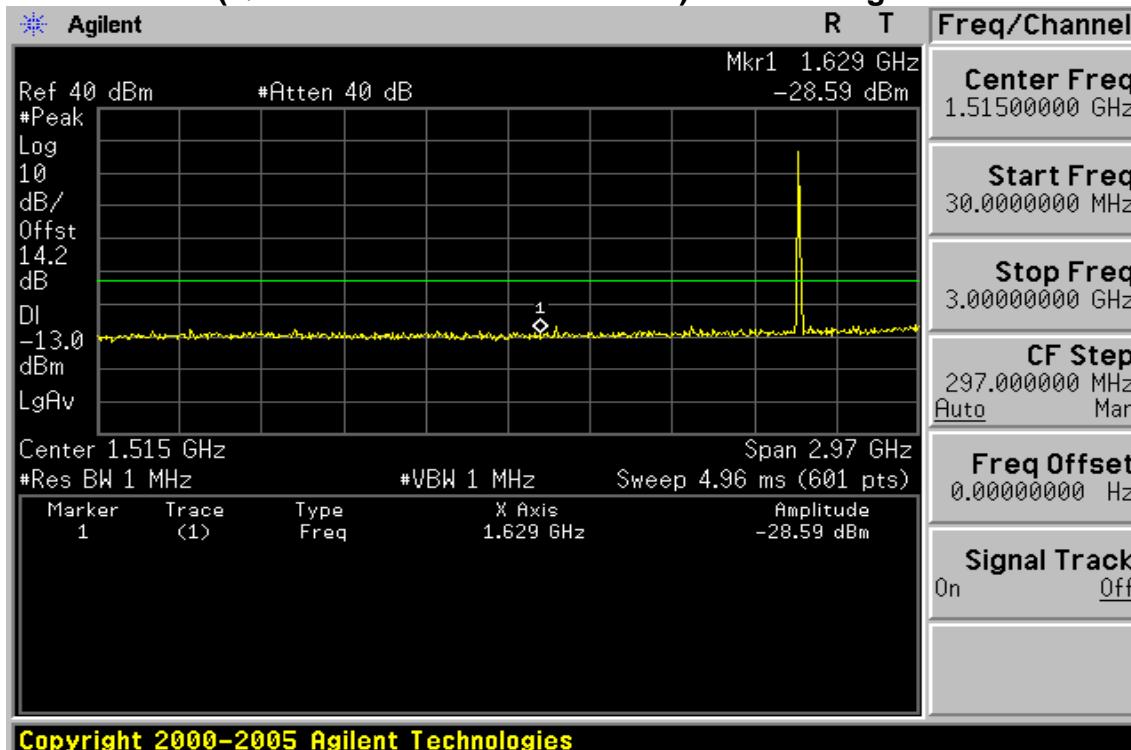
Out of Band emission at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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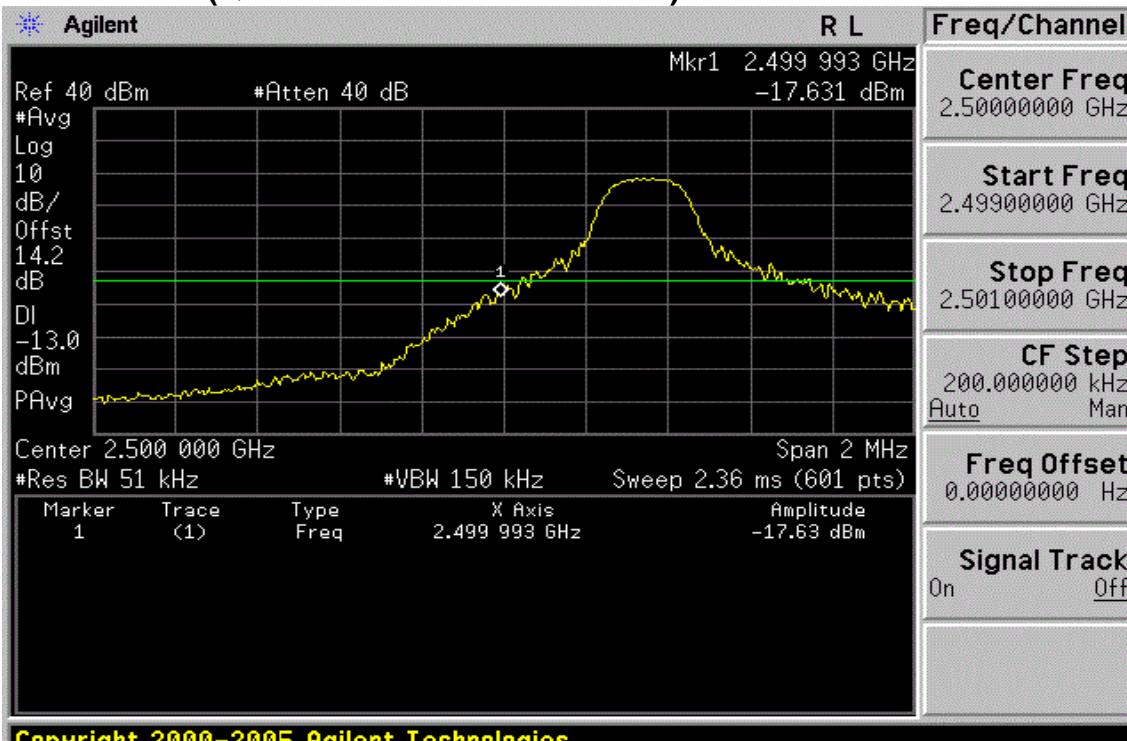
Out of Band emission at antenna terminals–5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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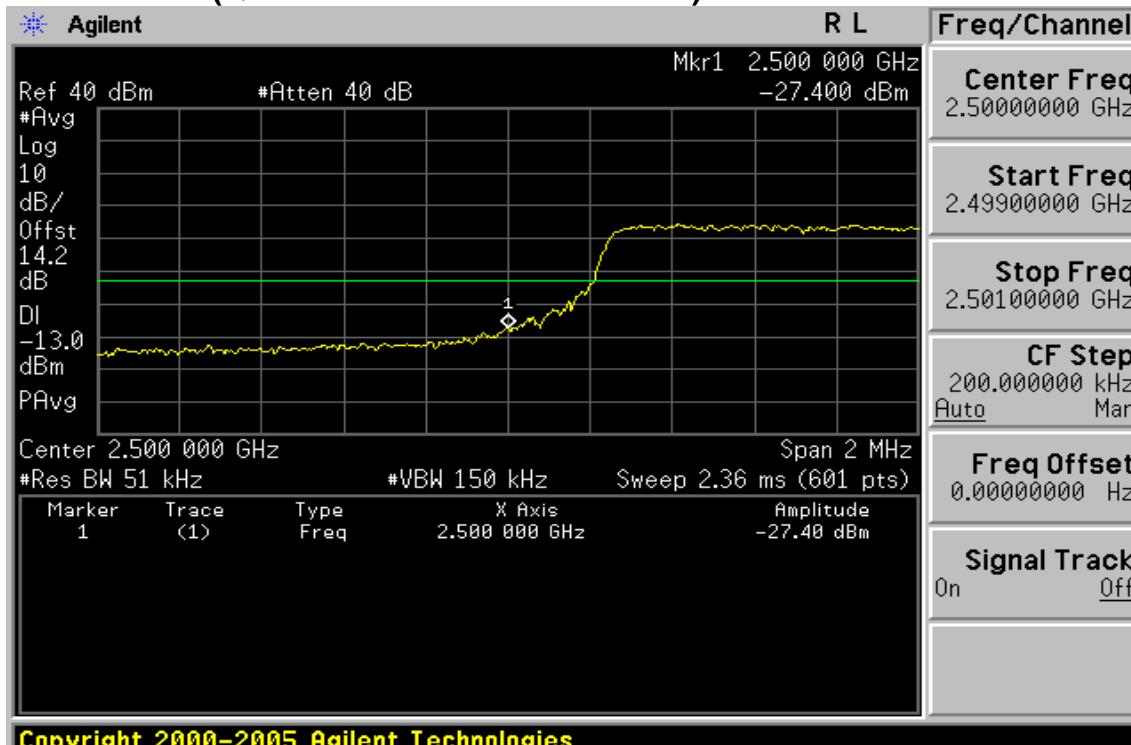
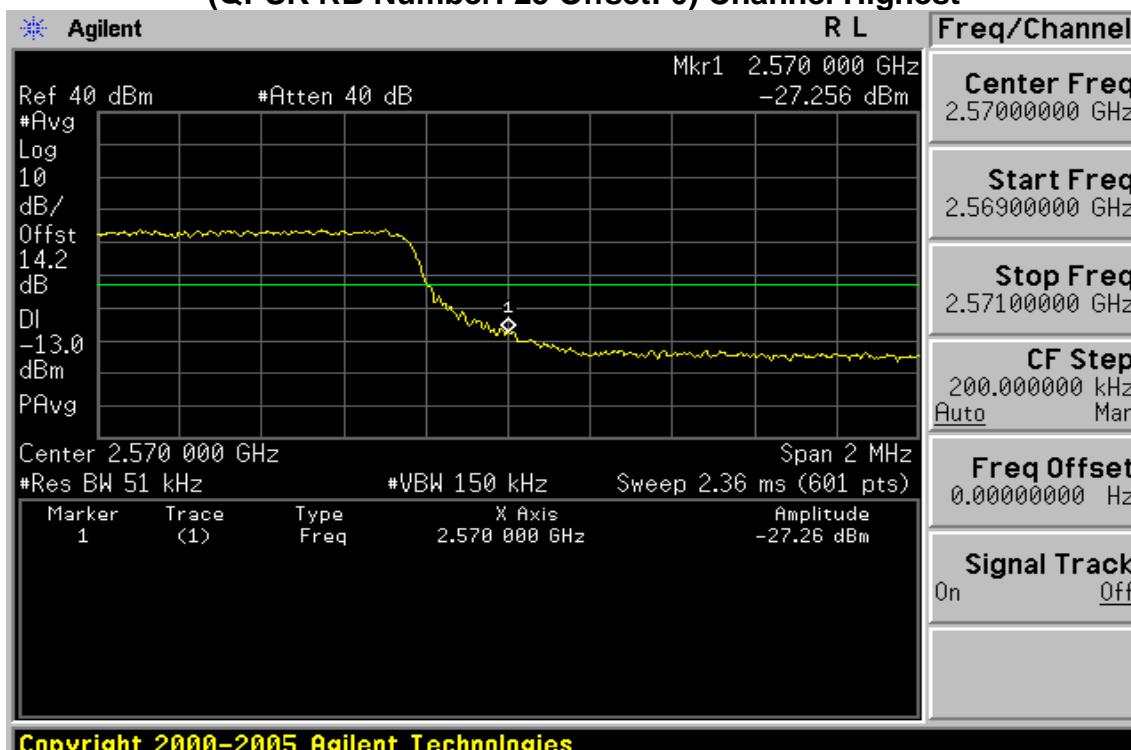
Band edge emission at antenna terminals -5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals -5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 24) Channel Highest


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Band edge emission at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 25 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 25 Offset: 0) Channel Highest


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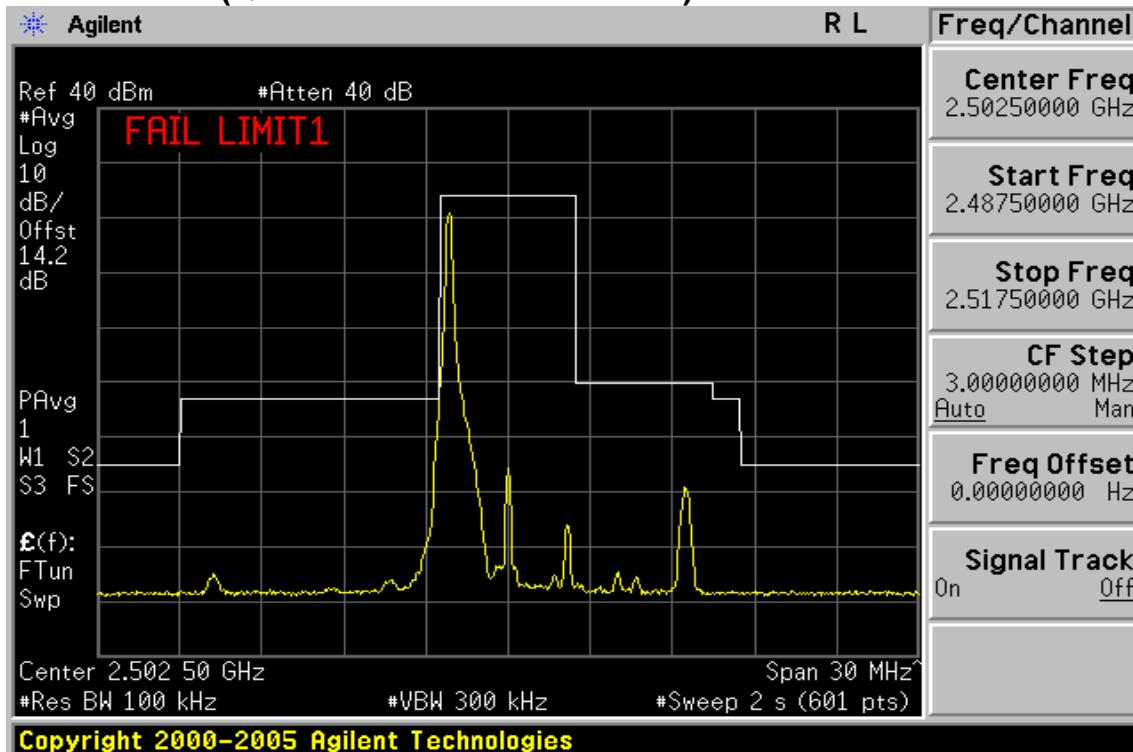
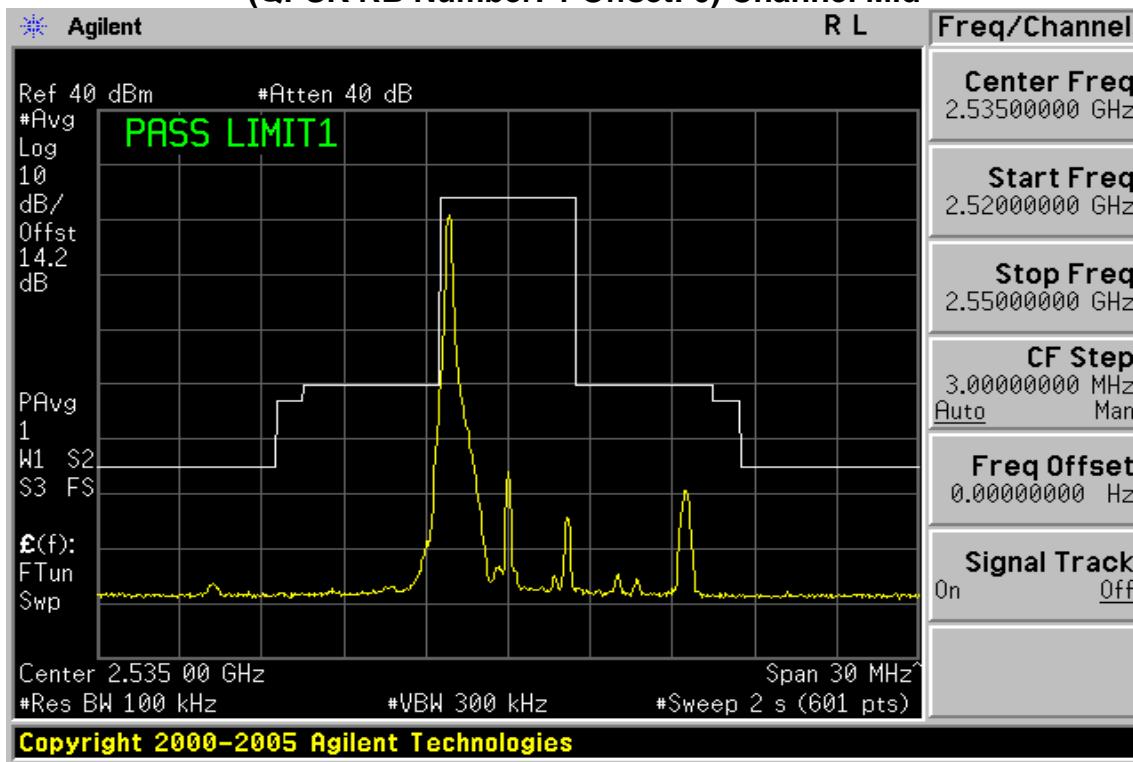
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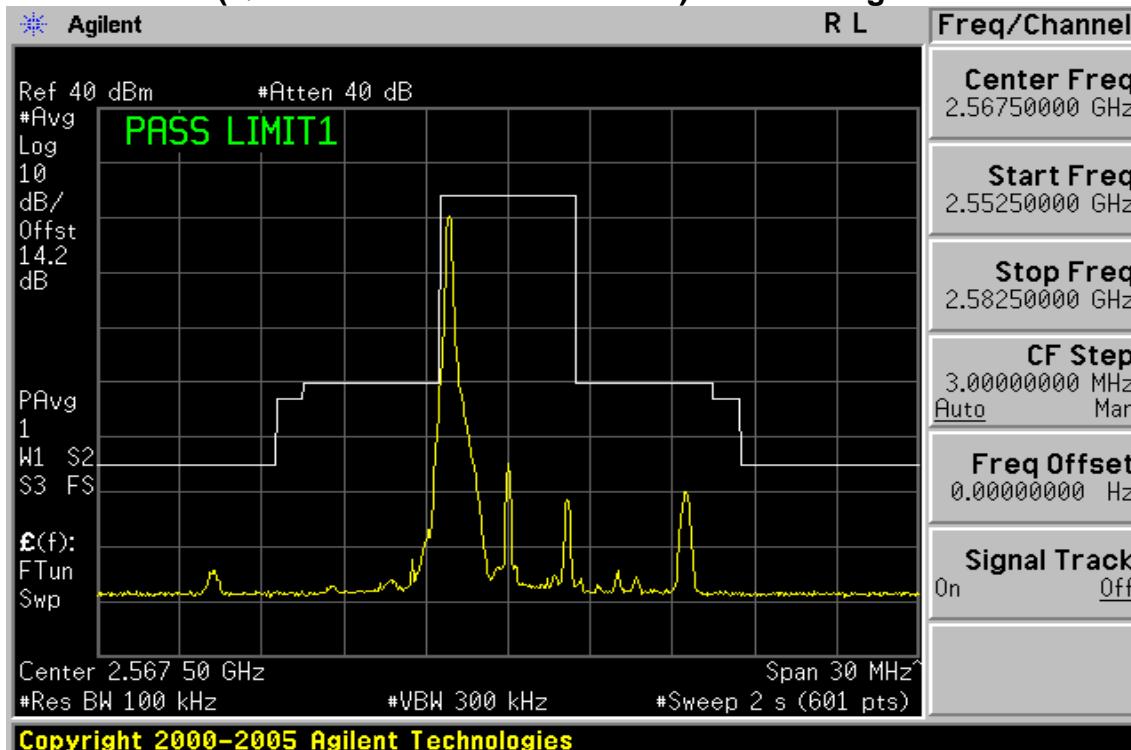
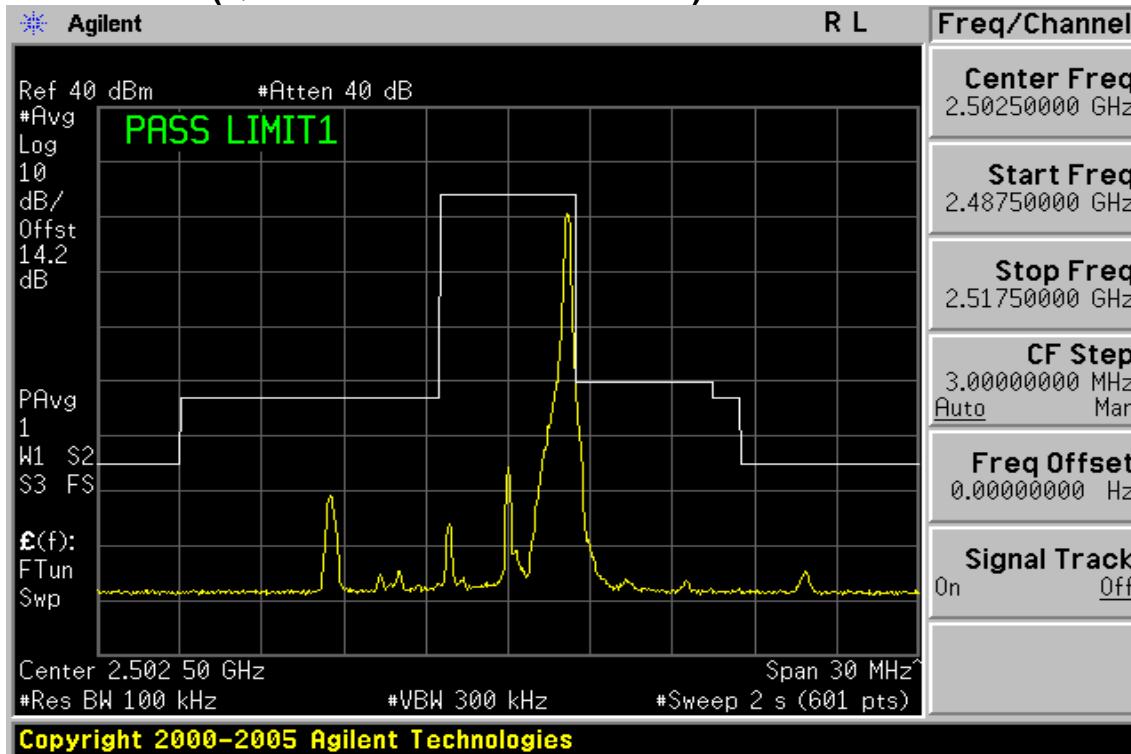
Emission Mask at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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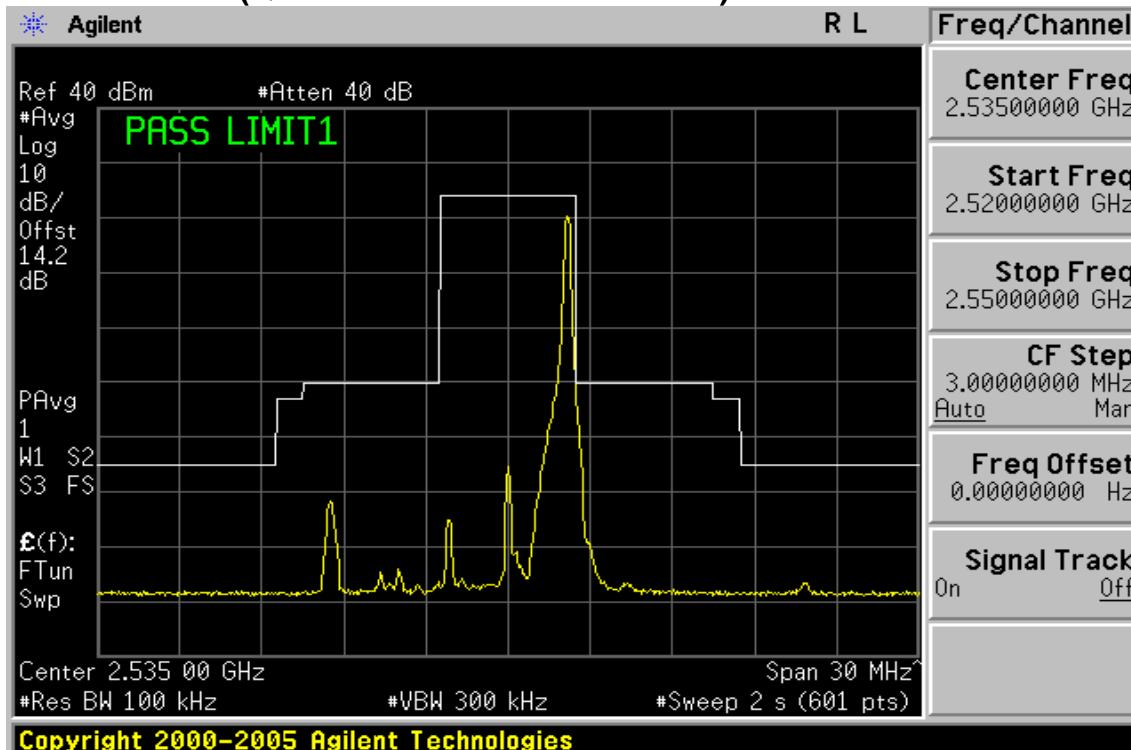
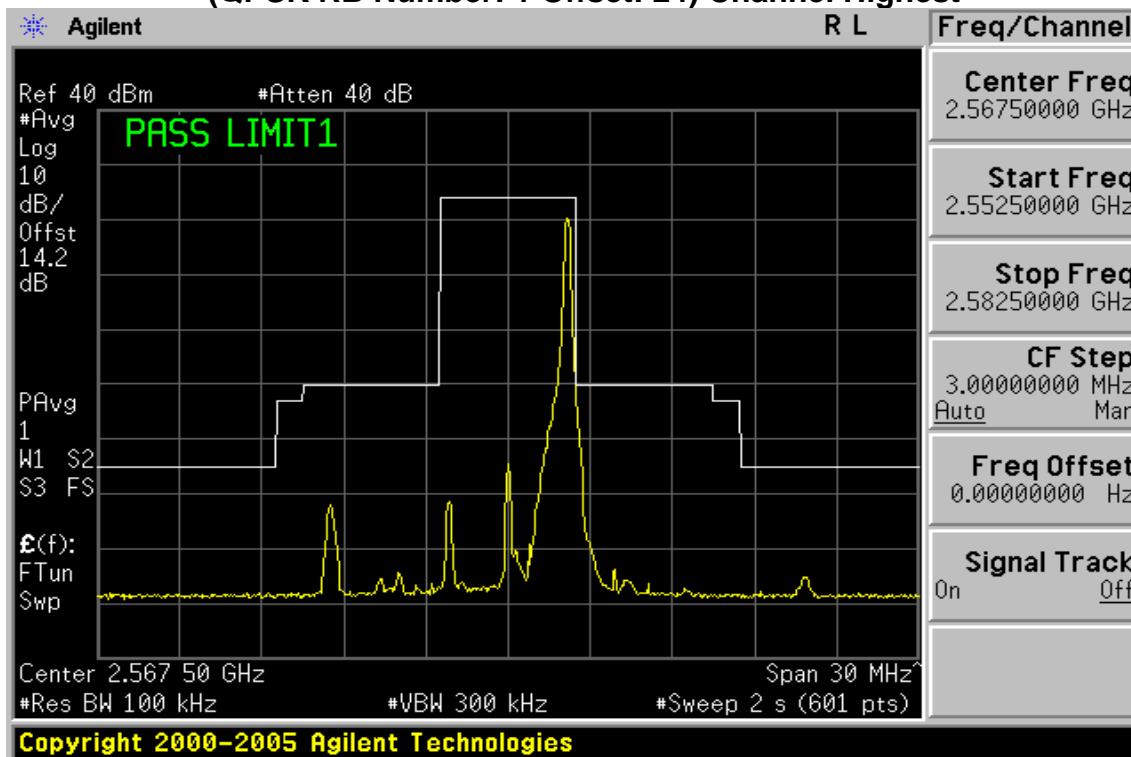
Emission Mask at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 24) Channel Lowest


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Emission Mask at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 24) Channel Mid

 Emission Mask at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 24) Channel Highest


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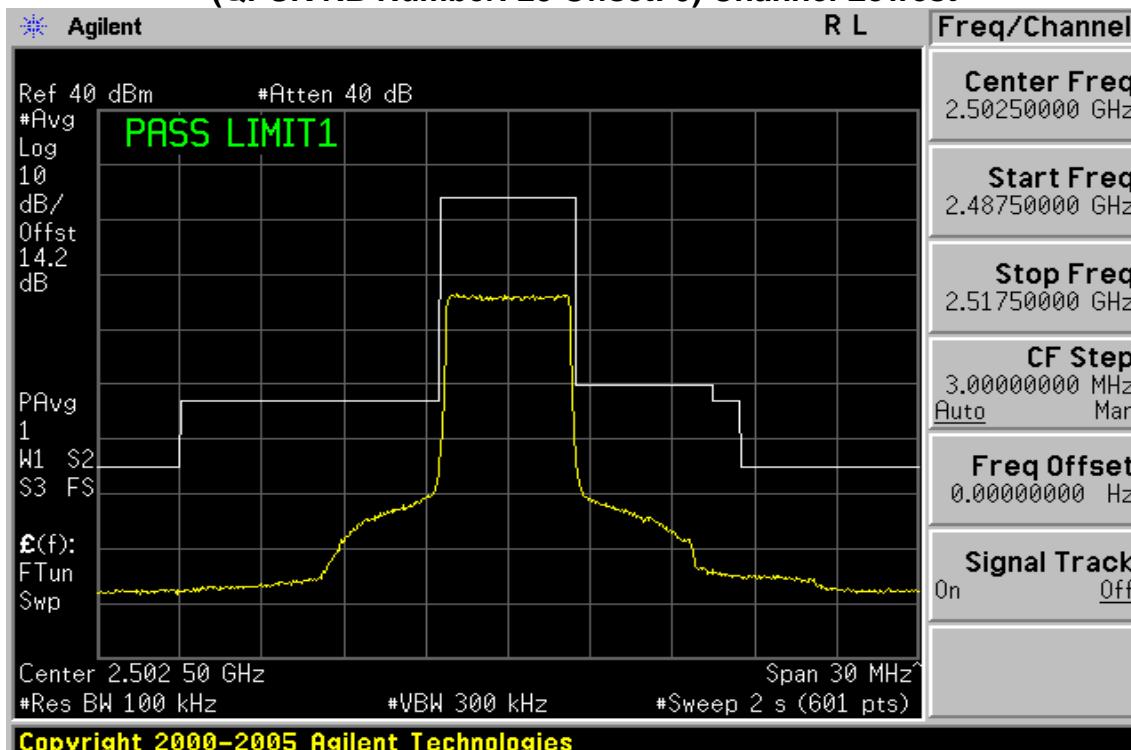
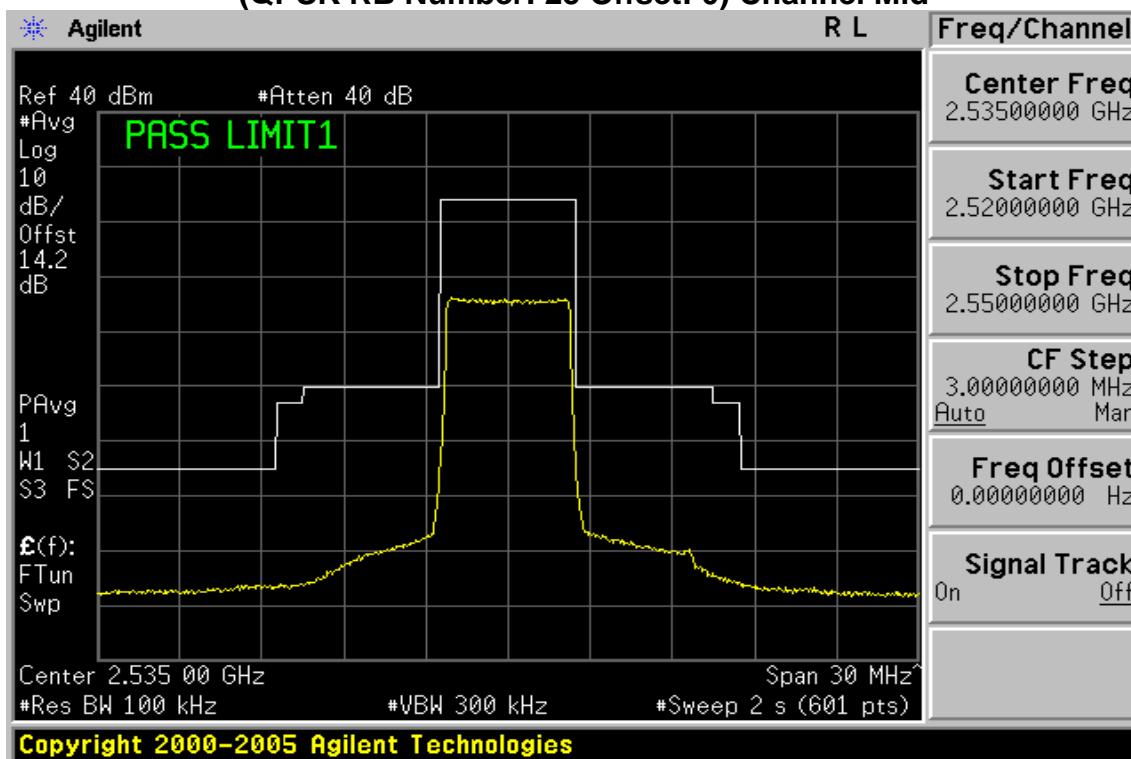
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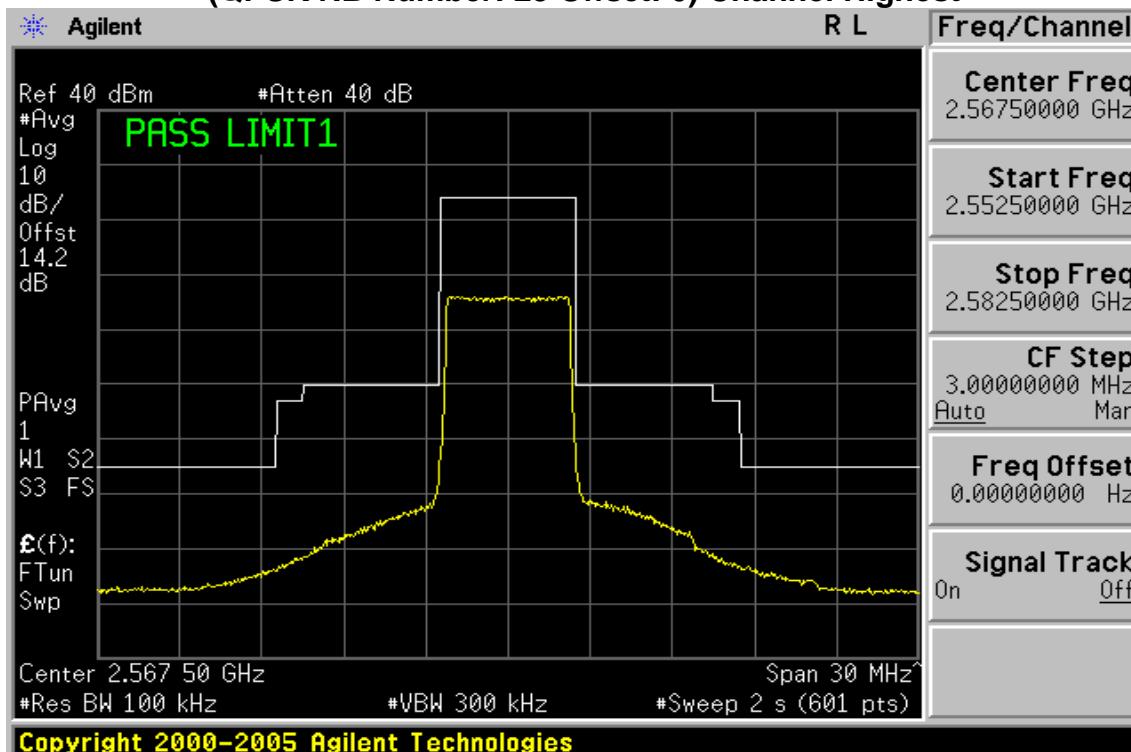
Emission Mask at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 25 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –5MHz BW LTE-Band 7  
 (QPSK RB Number: 25 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –5MHz BW LTE-Band 7  
(QPSK RB Number: 25 Offset: 0) Channel Highest**

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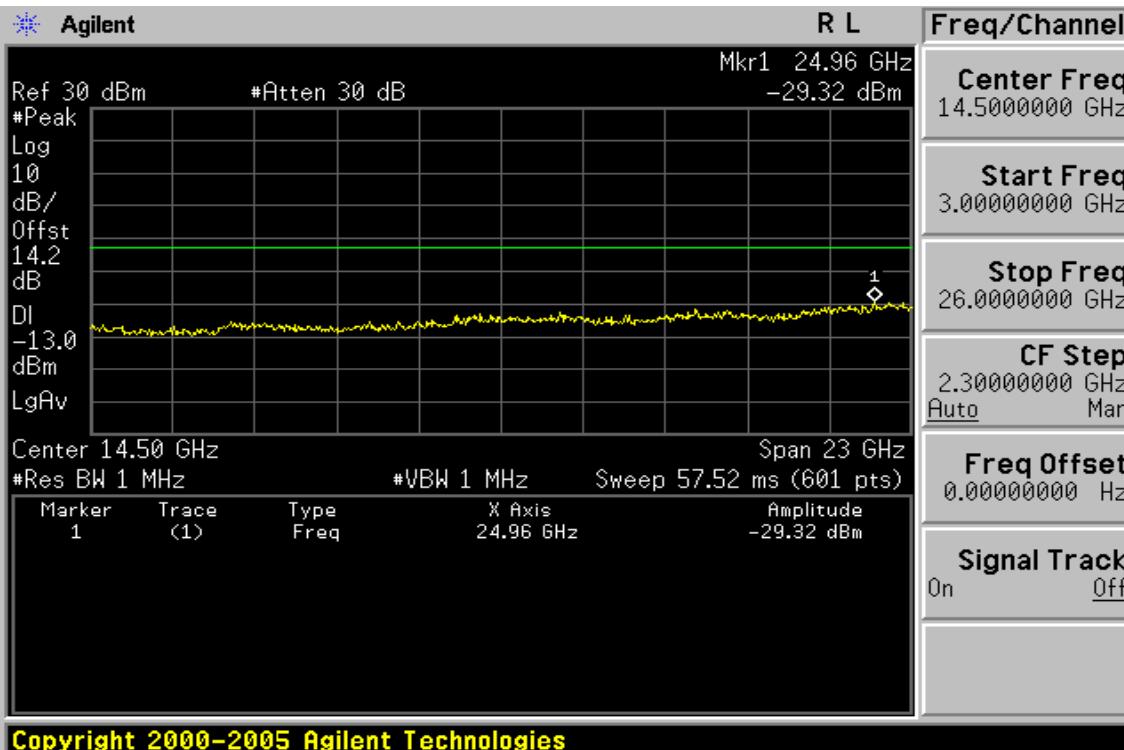
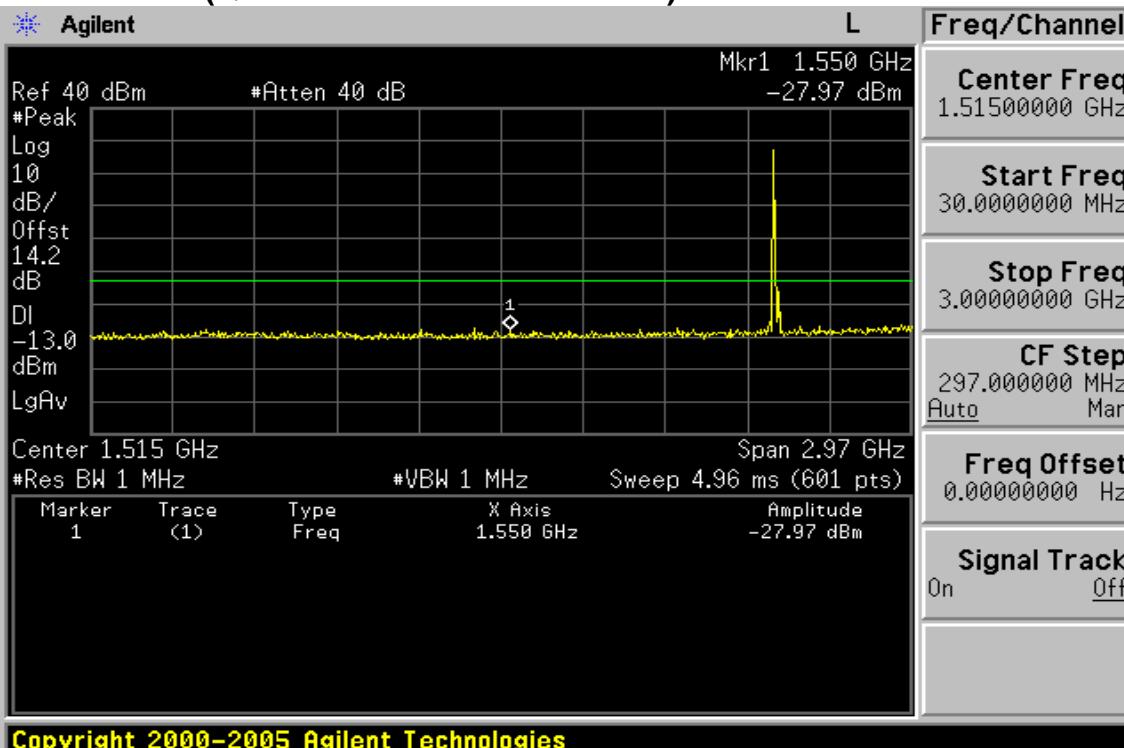
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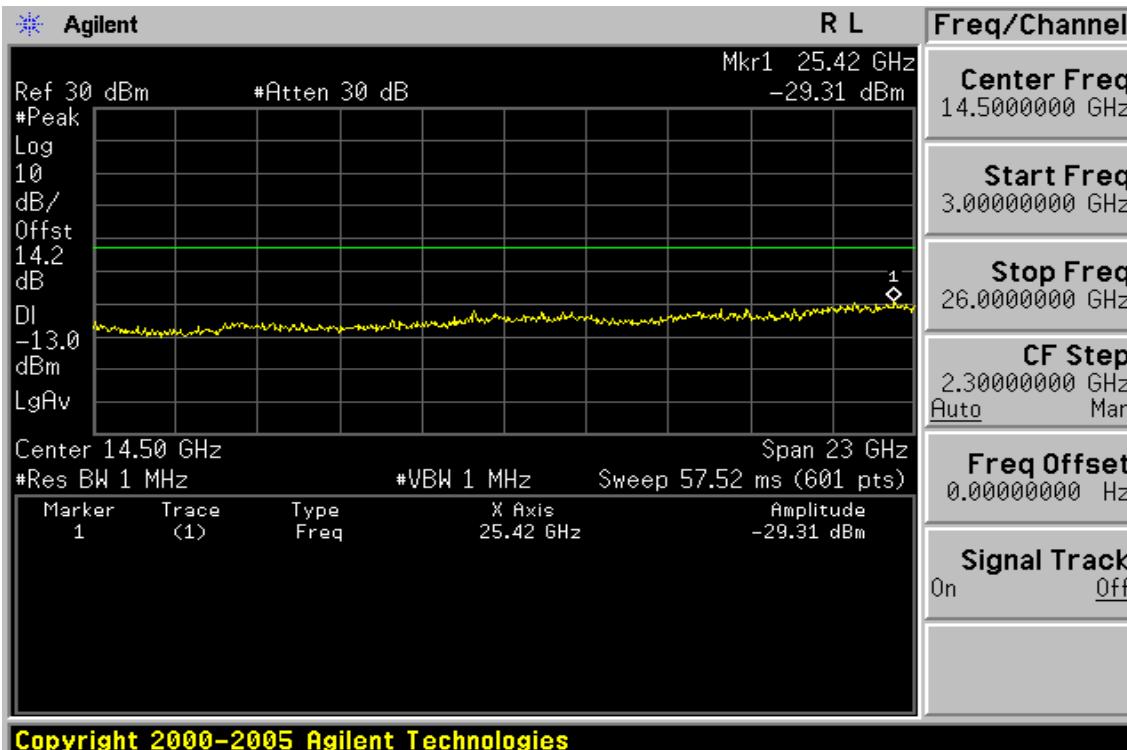
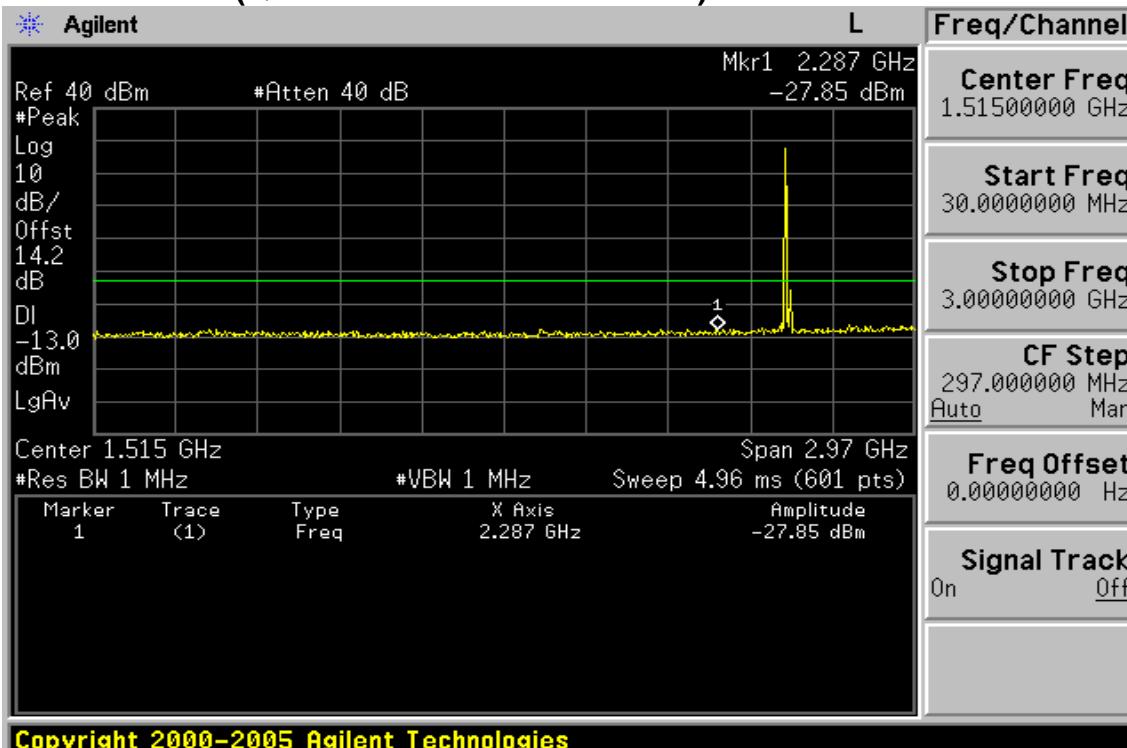
Out of Band emission at antenna terminals—10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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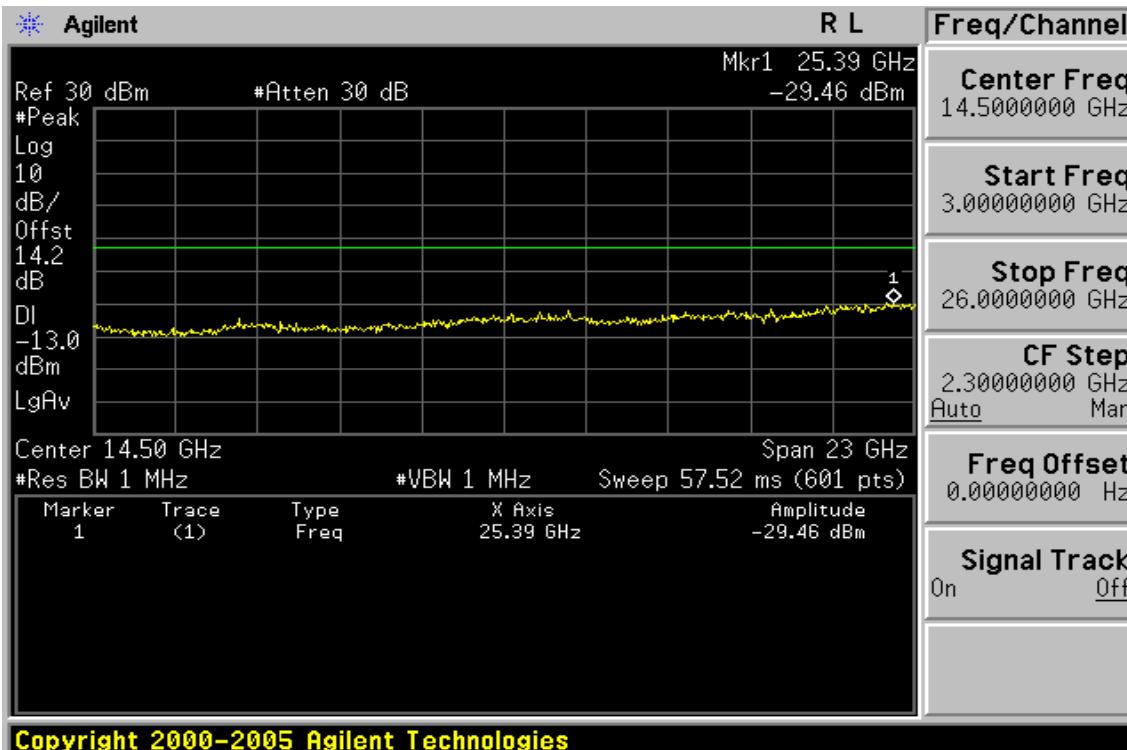
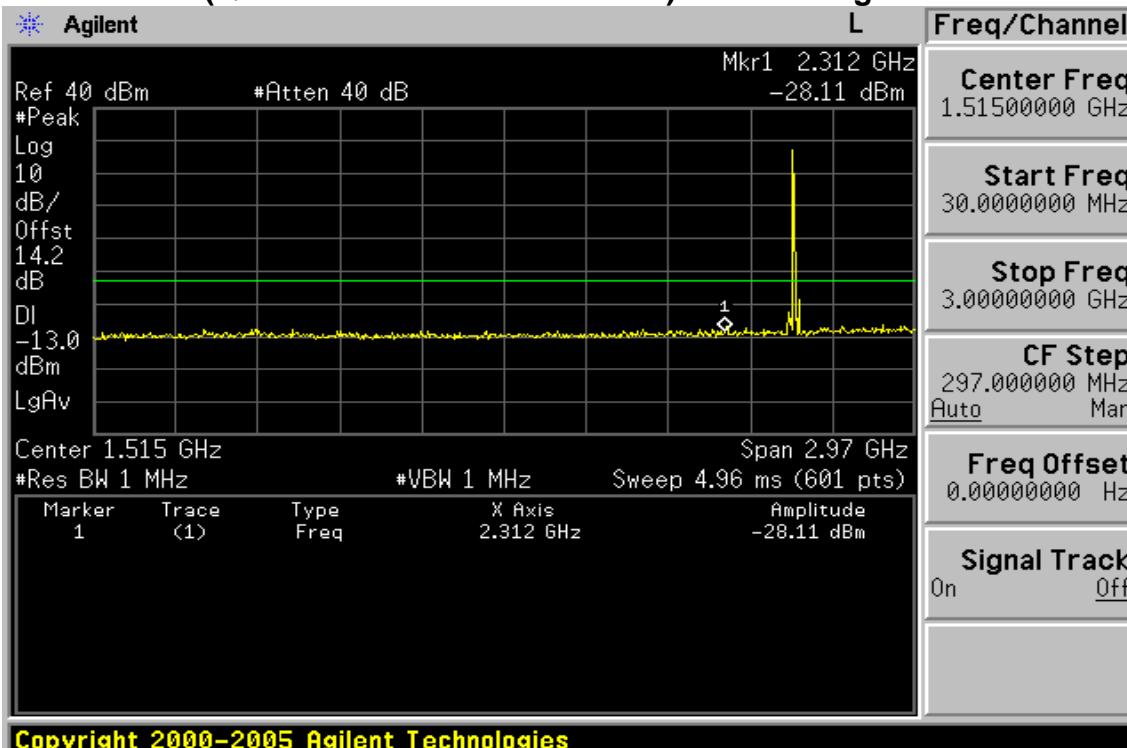
Out of Band emission at antenna terminals—10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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Out of Band emission at antenna terminals—10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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Band edge emission at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 49) Channel Highest


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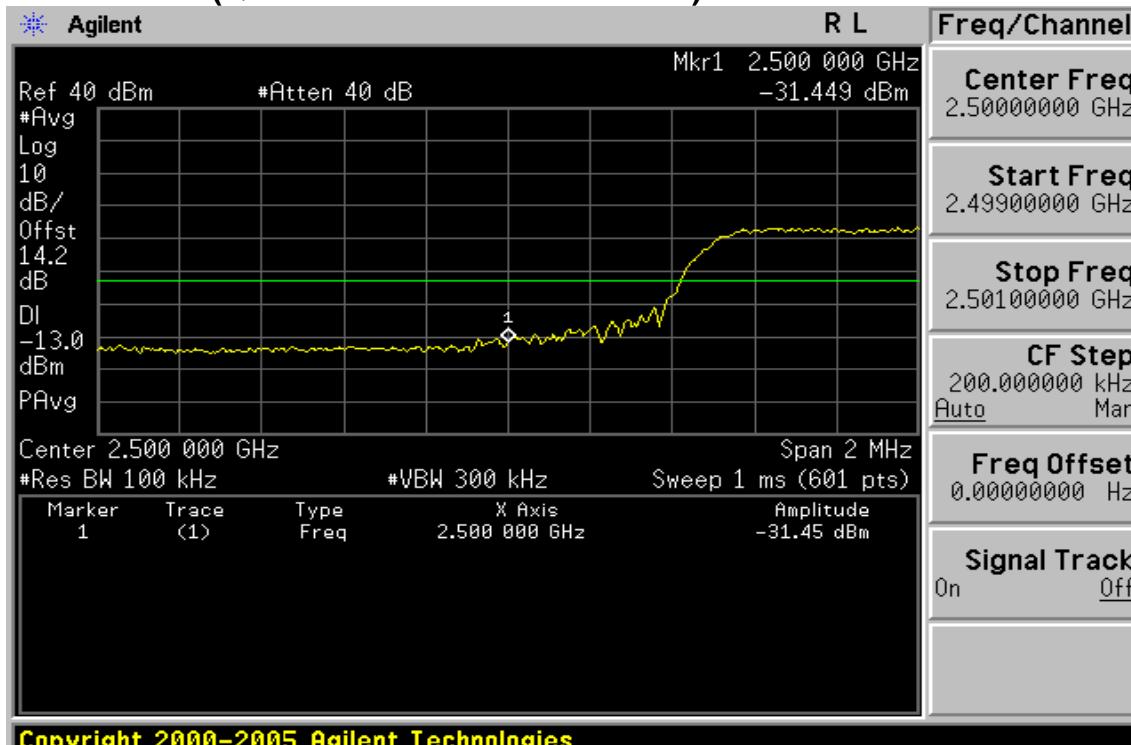
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Band edge emission at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 50 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 50 Offset: 0) Channel Highest


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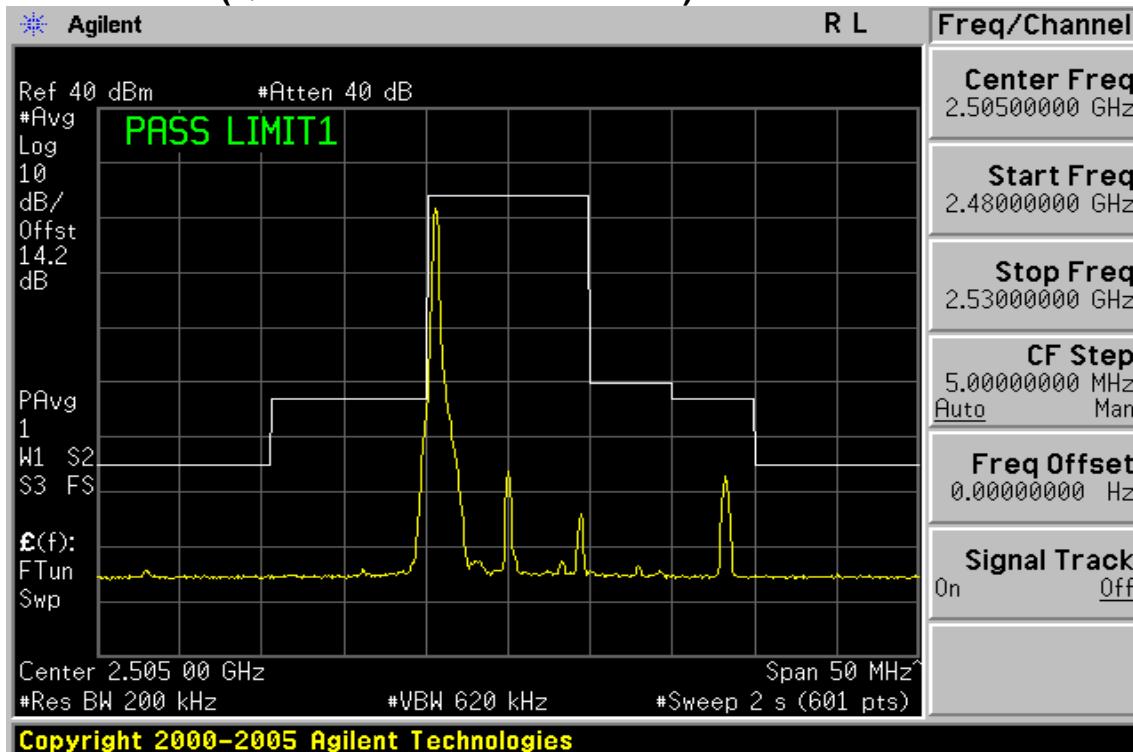
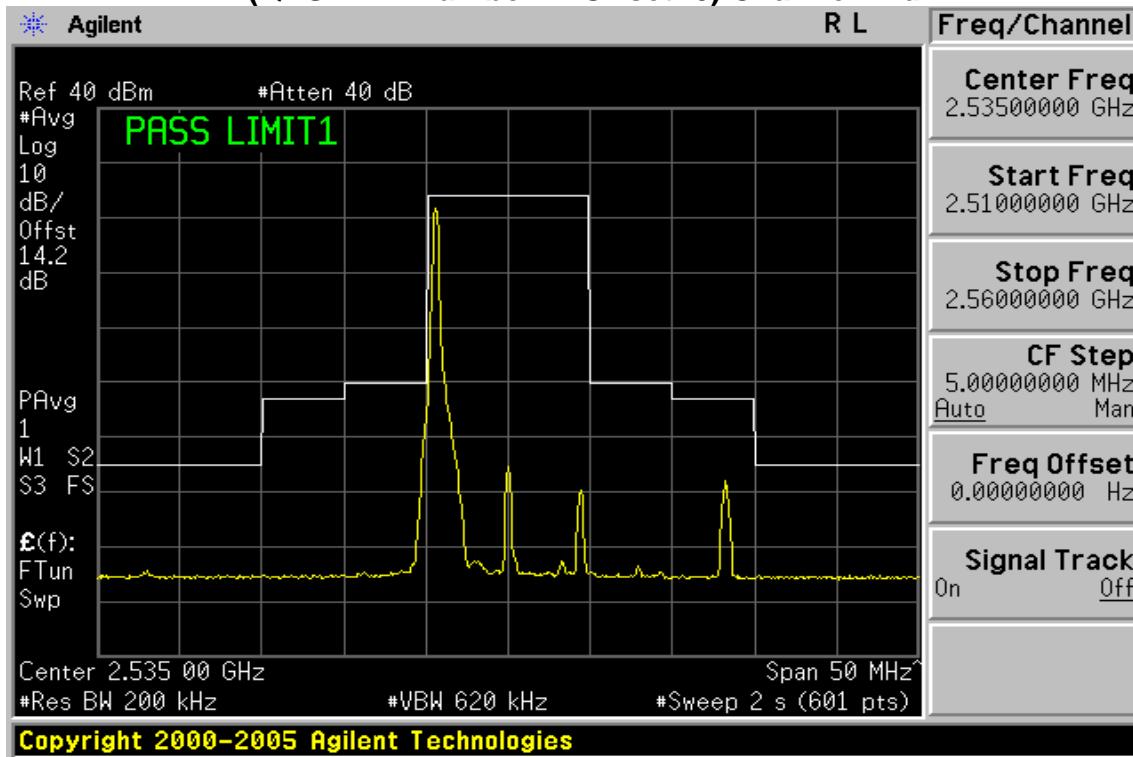
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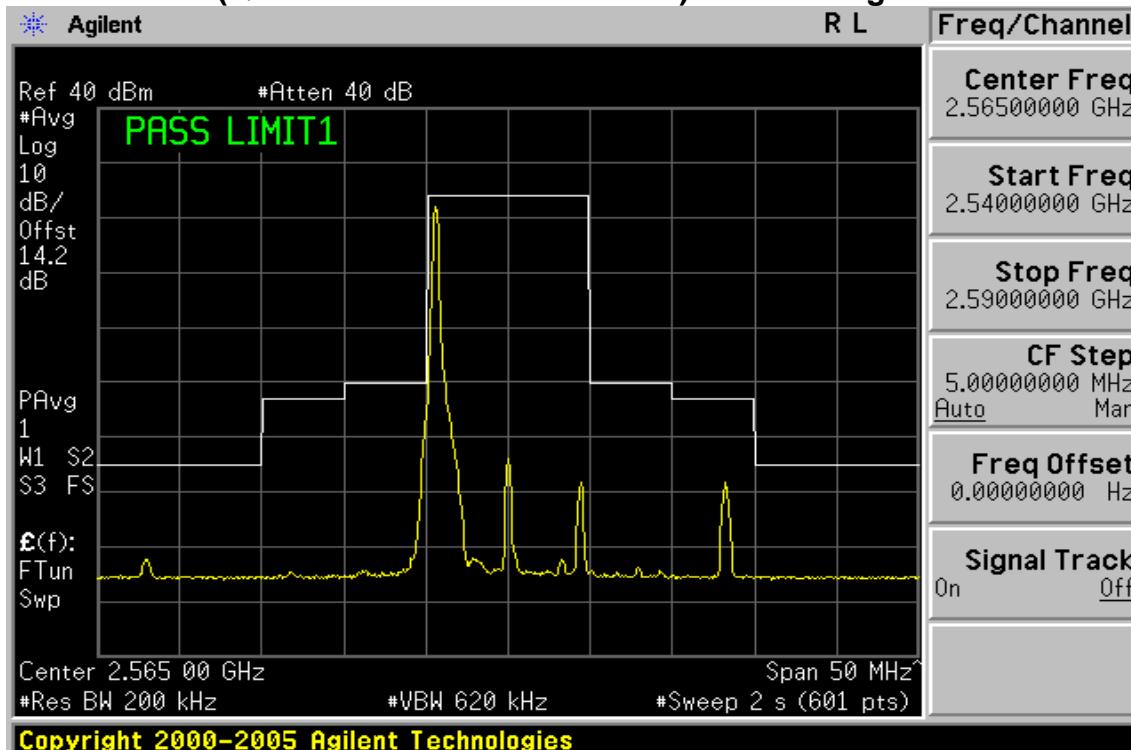
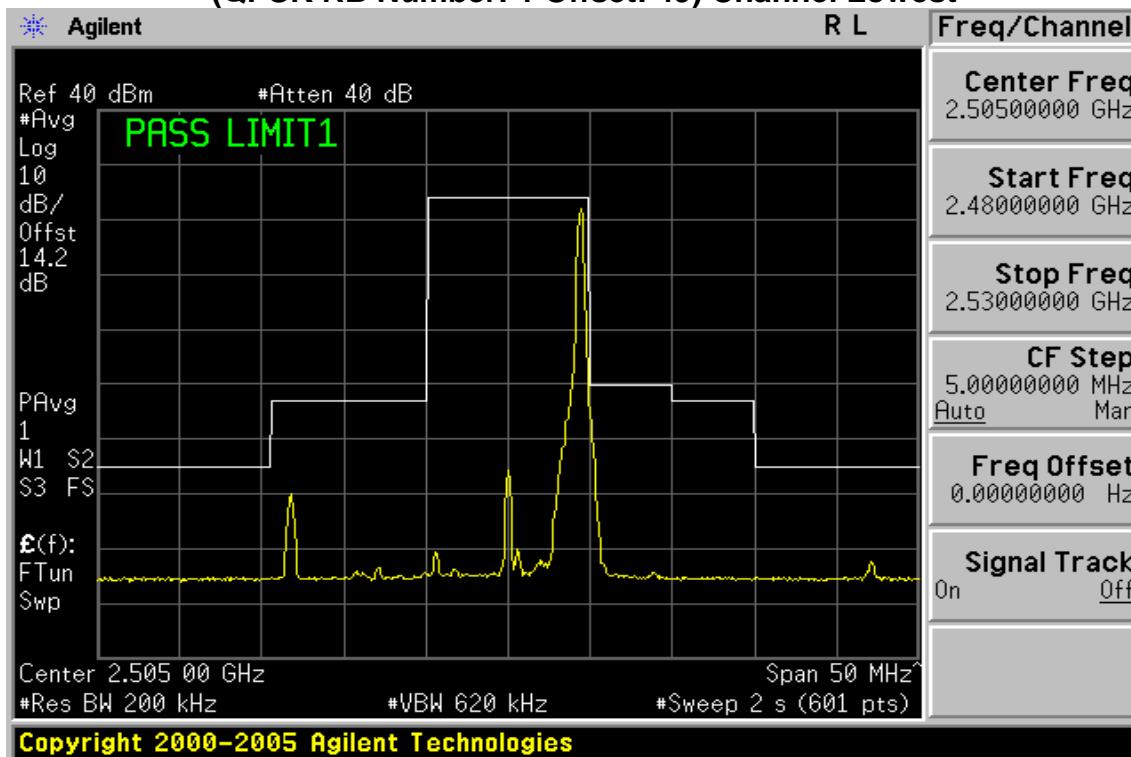
Emission Mask at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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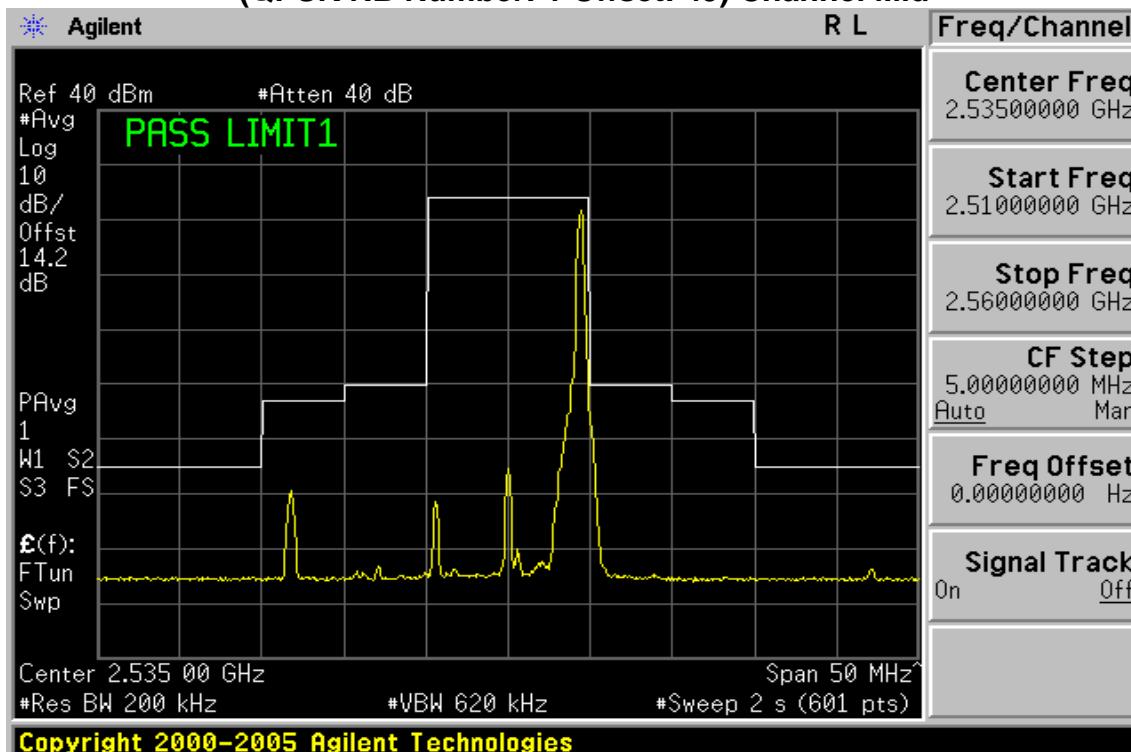
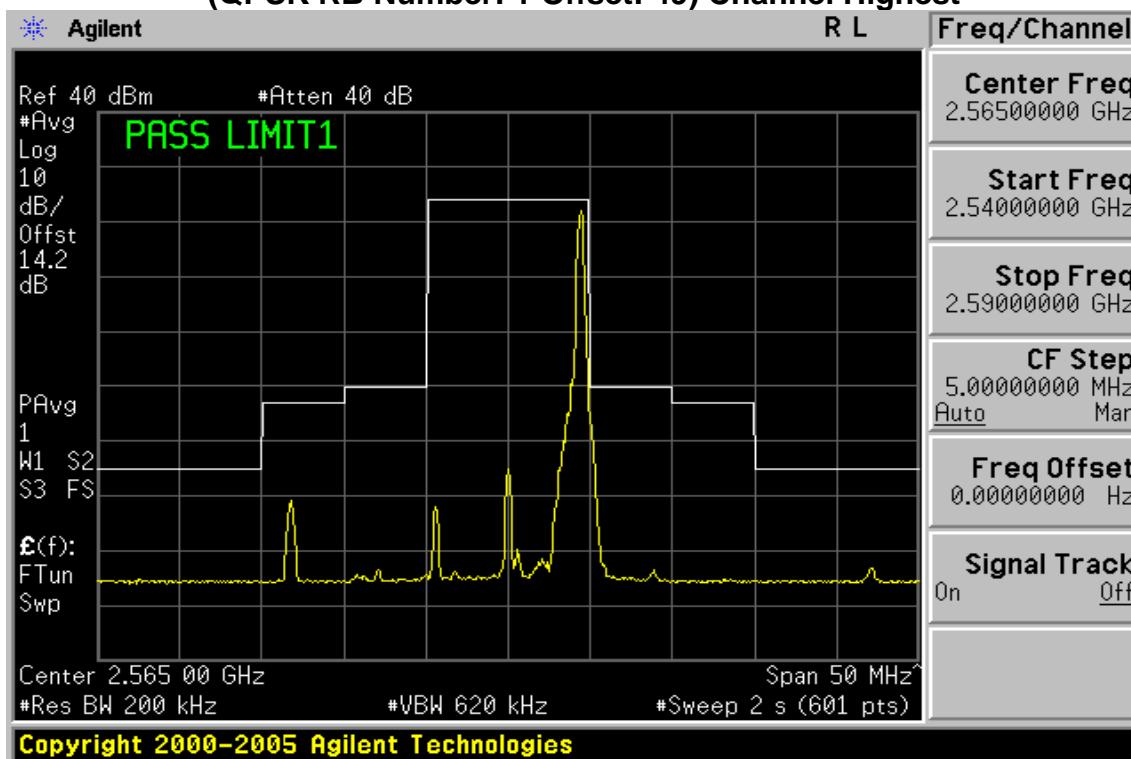
Emission Mask at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 49) Channel Lowest


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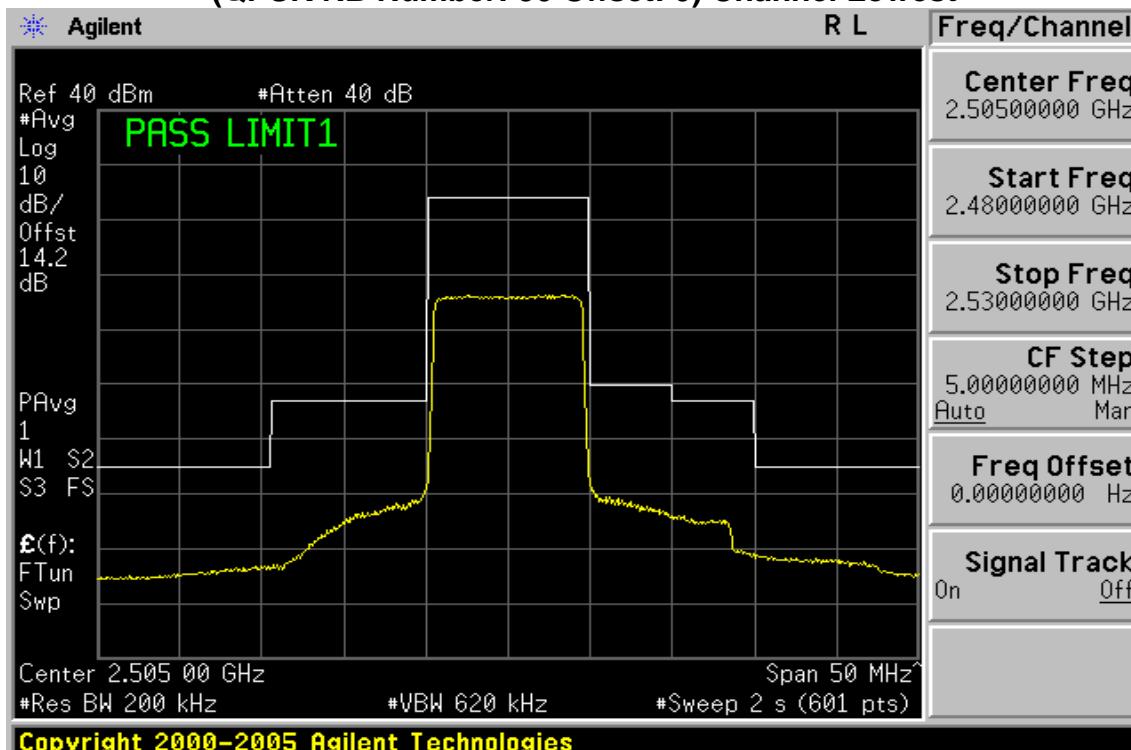
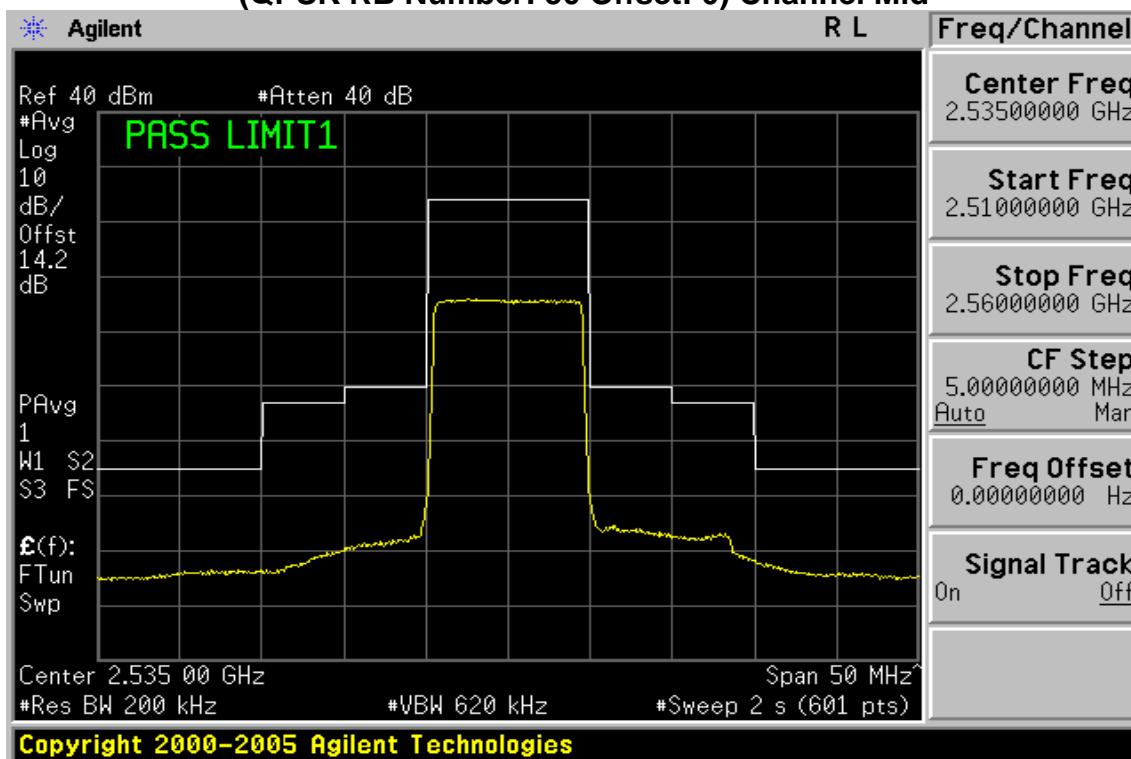
Emission Mask at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 49) Channel Mid

 Emission Mask at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 49) Channel Highest


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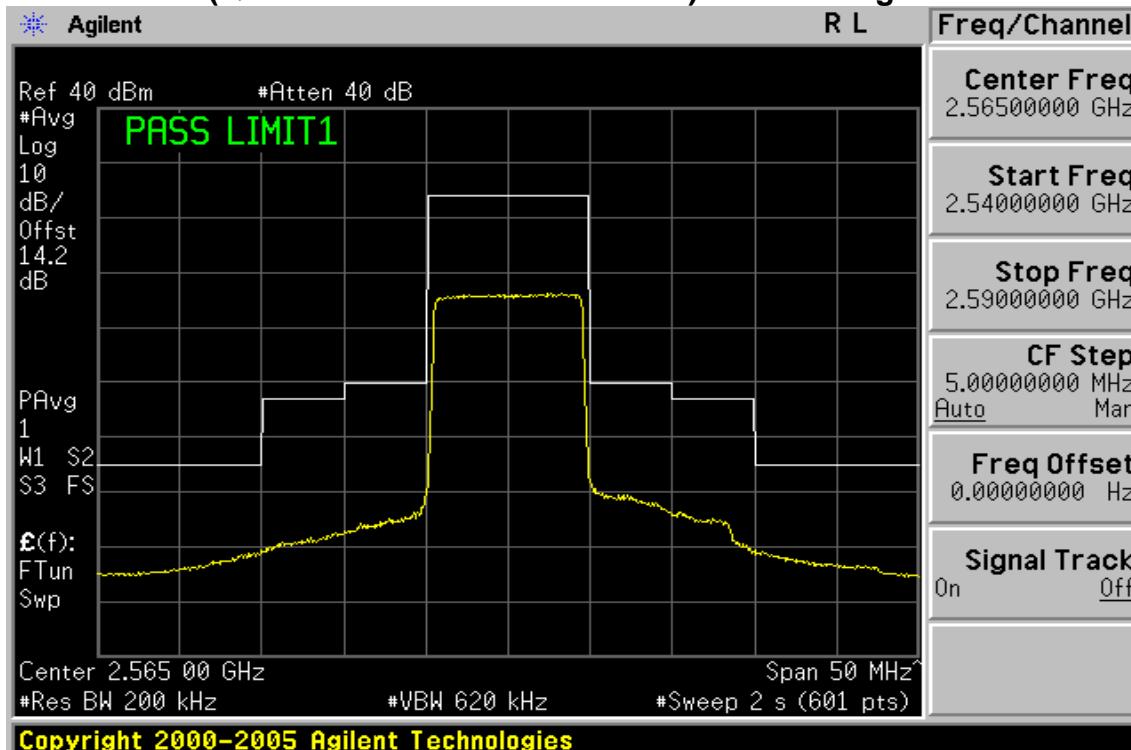
Emission Mask at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 50 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –10MHz BW LTE-Band 7  
 (QPSK RB Number: 50 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –10MHz BW LTE-Band 7  
(QPSK RB Number: 50 Offset: 0) Channel Highest**

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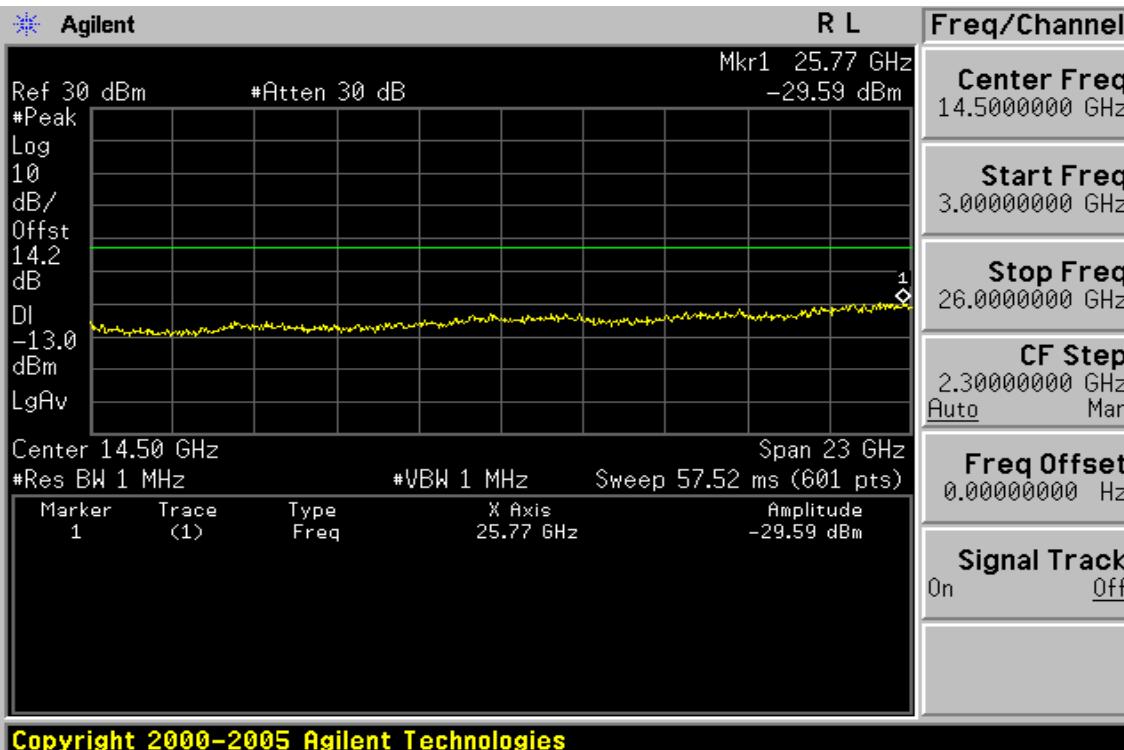
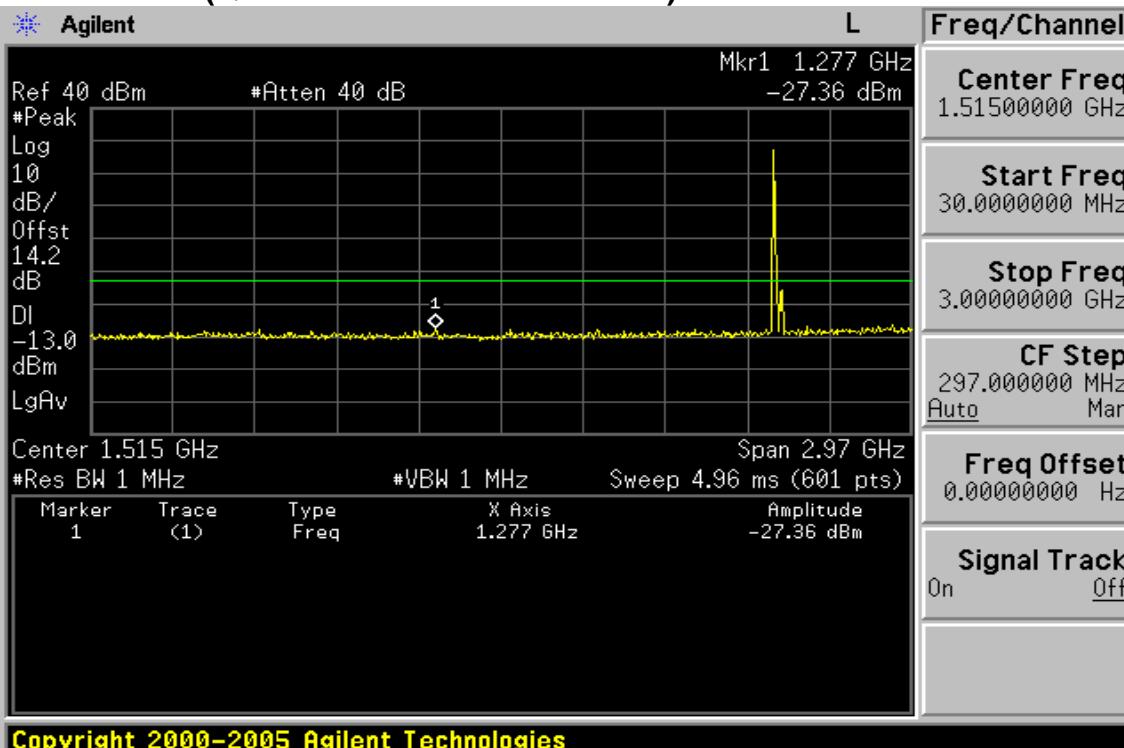
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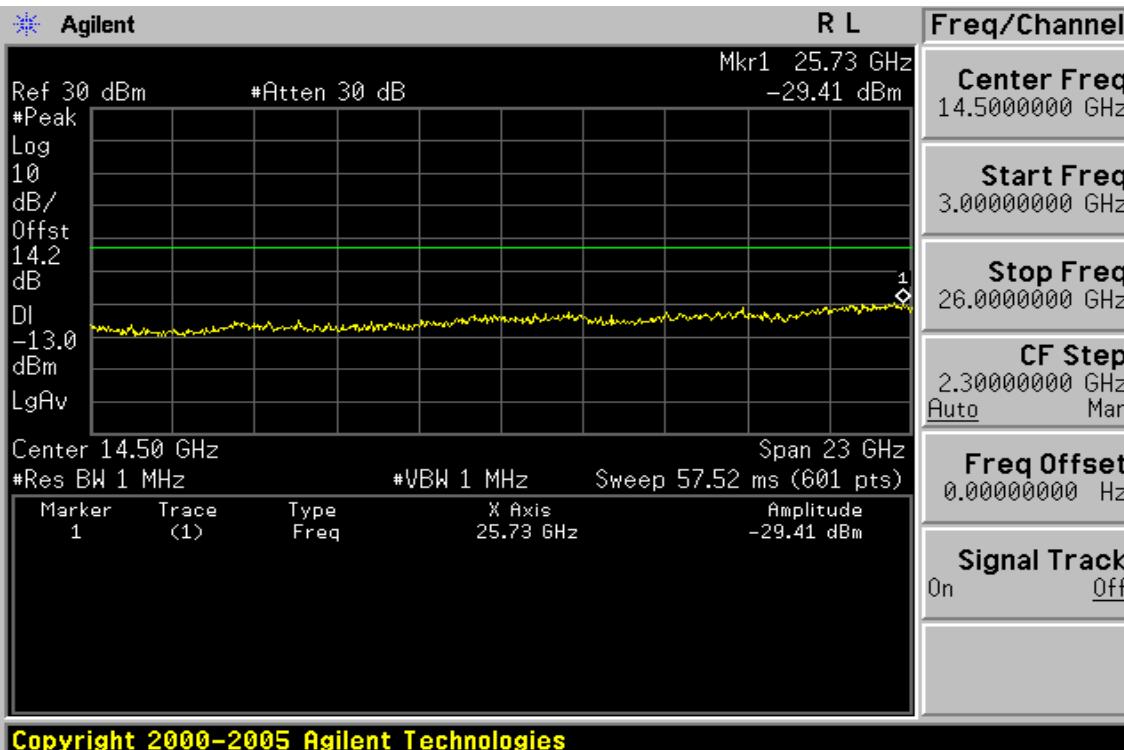
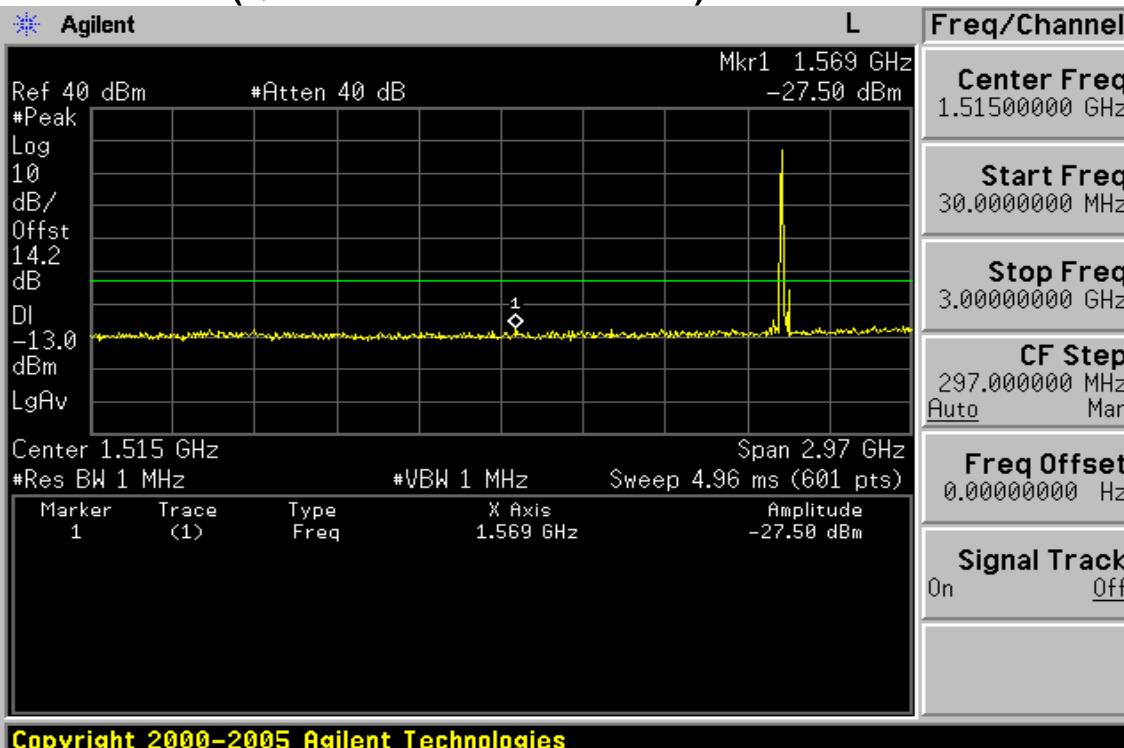
Out of Band emission at antenna terminals—15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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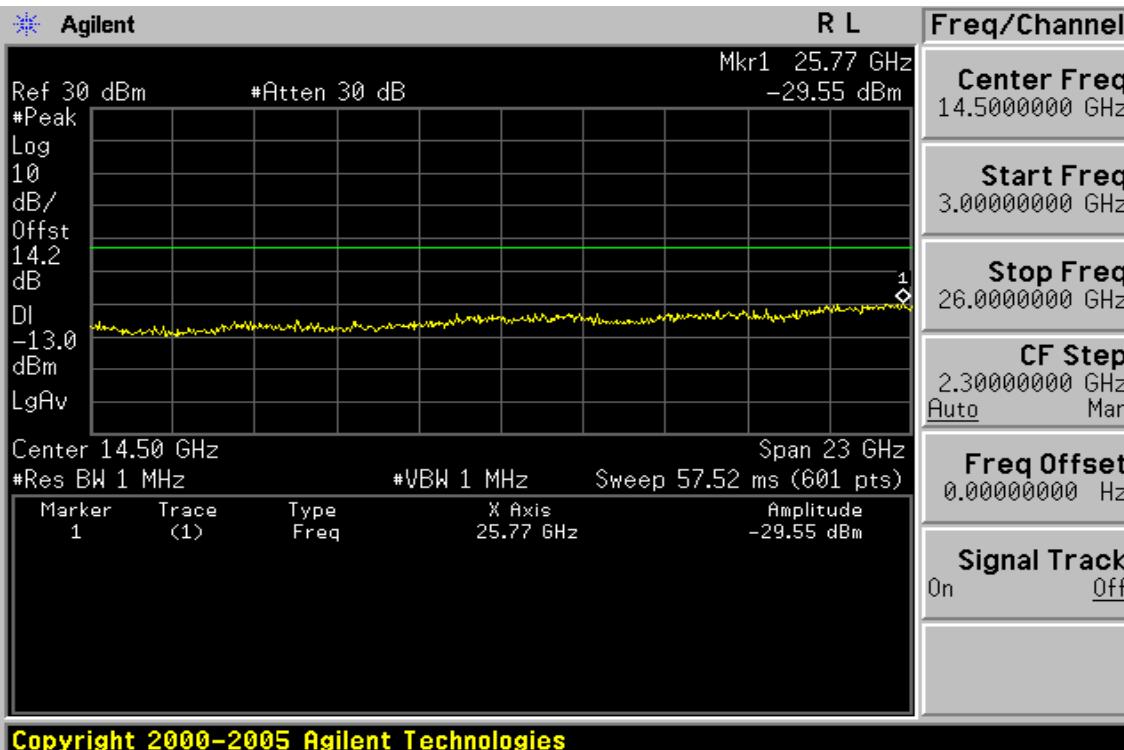
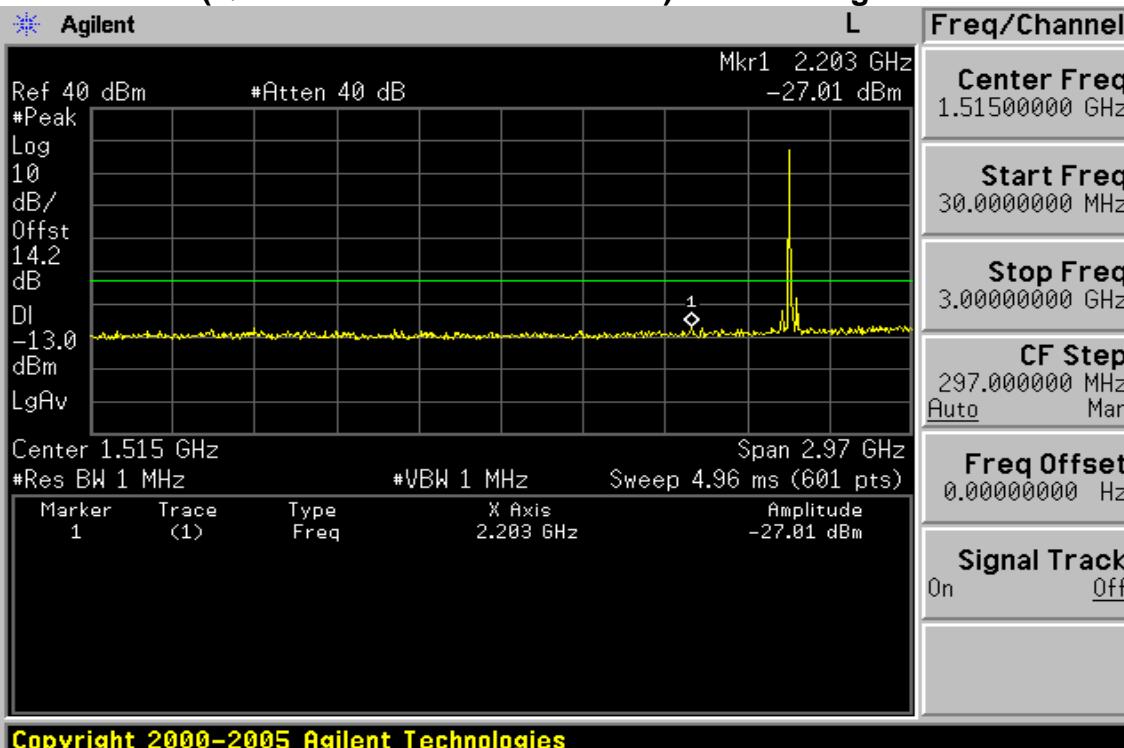
Out of Band emission at antenna terminals—15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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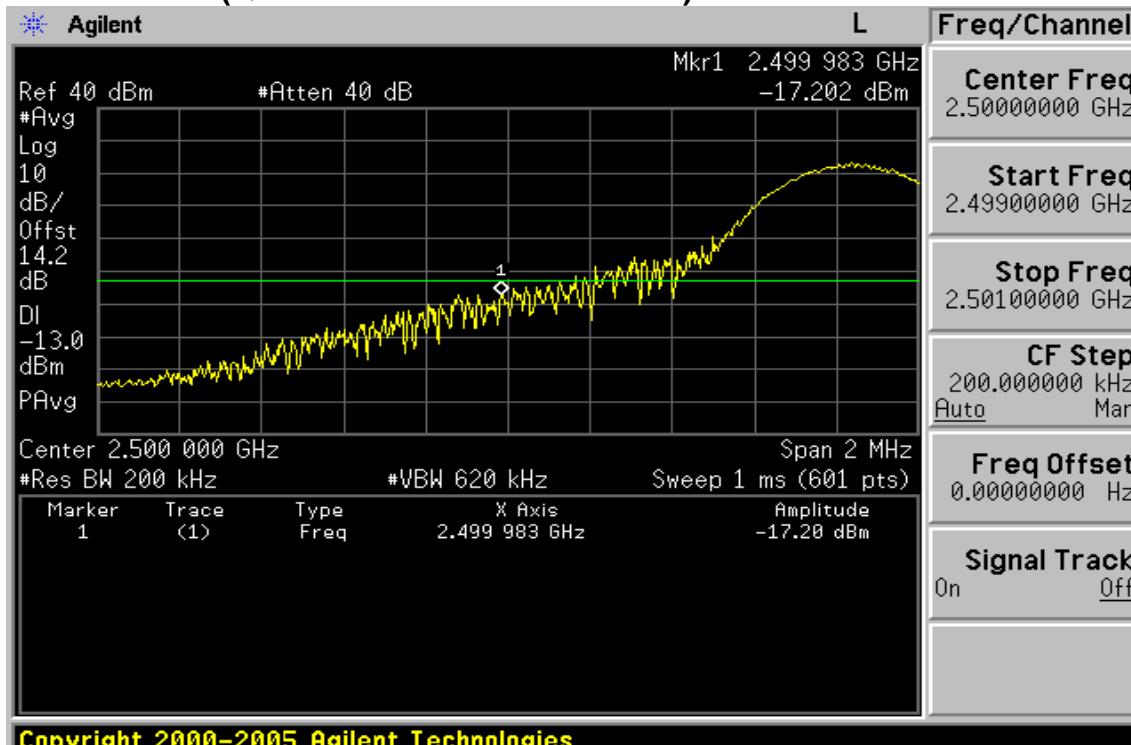
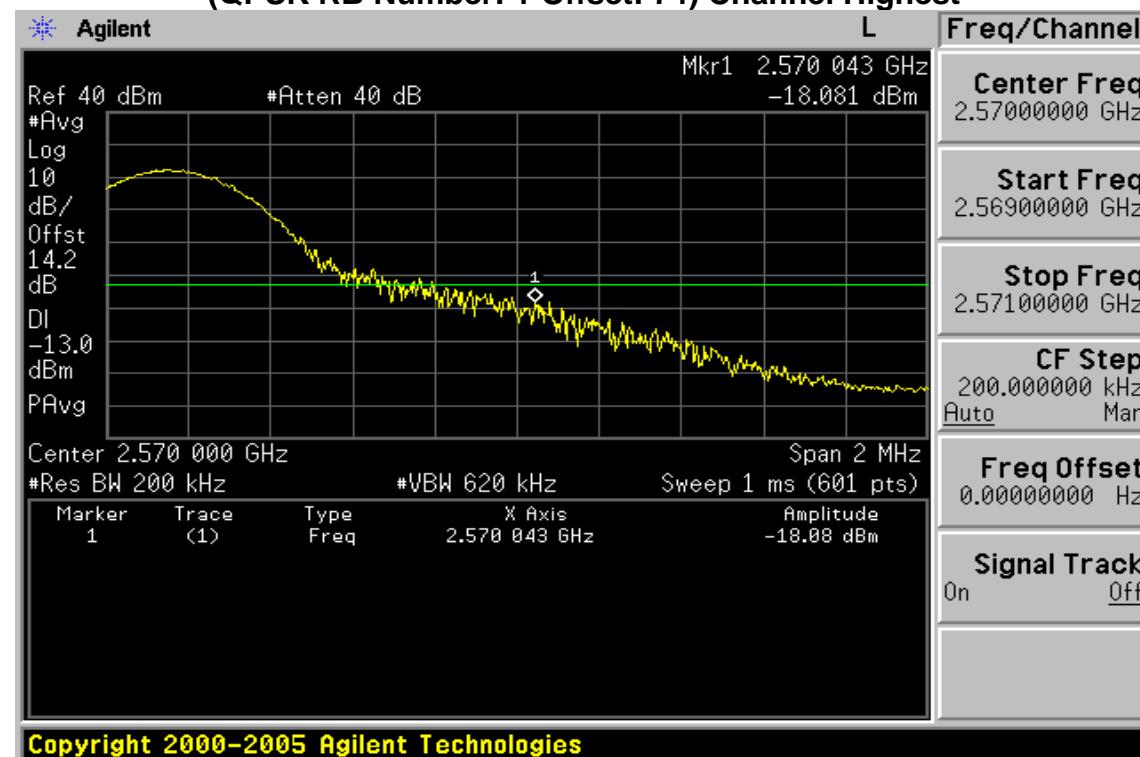
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Out of Band emission at antenna terminals—15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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Band edge emission at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 74) Channel Highest


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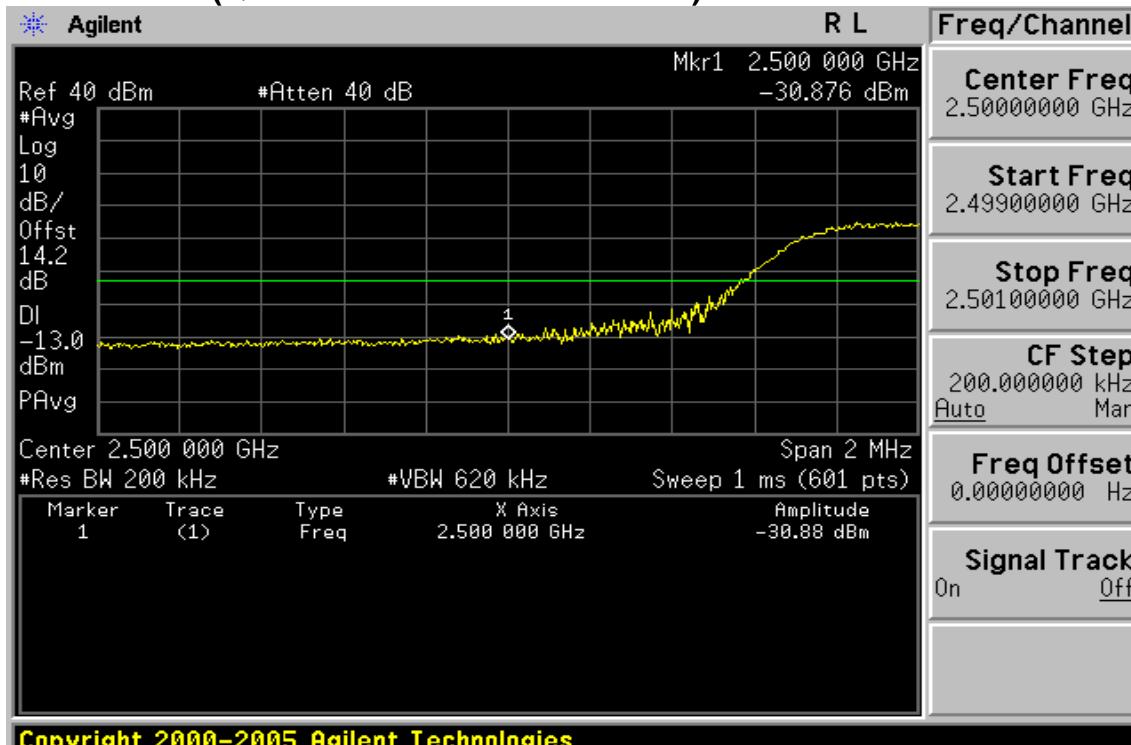
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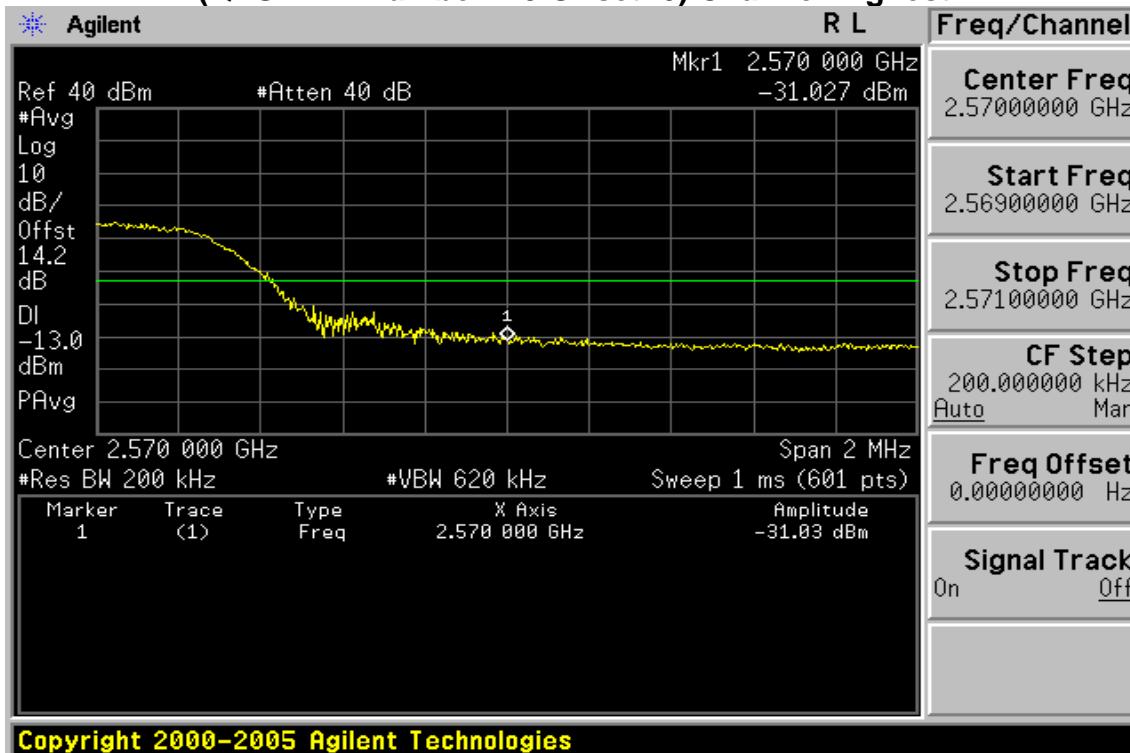
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Band edge emission at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 75 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 75 Offset: 0) Channel Highest


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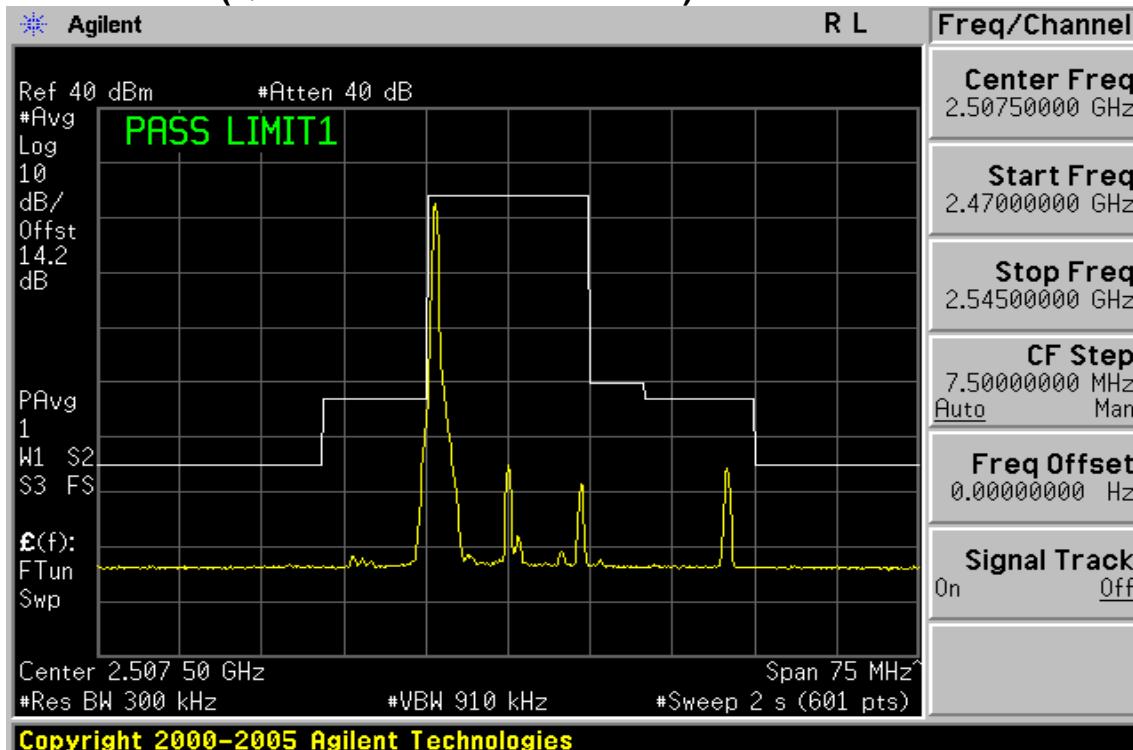
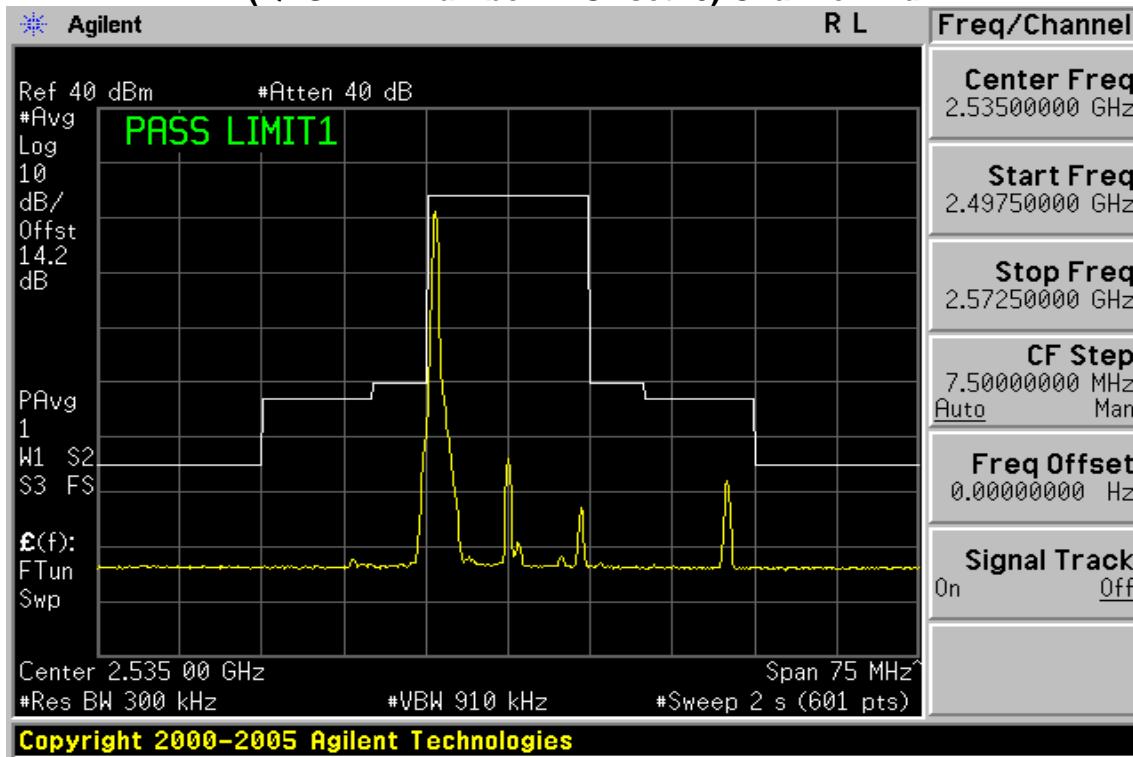
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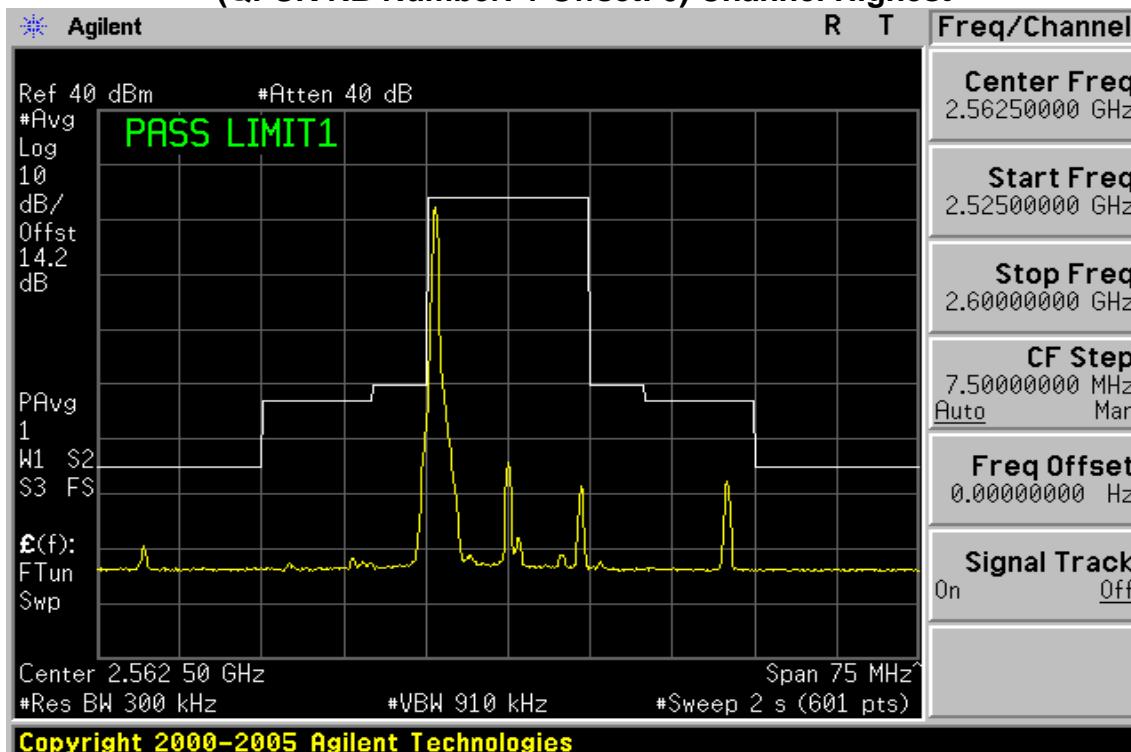
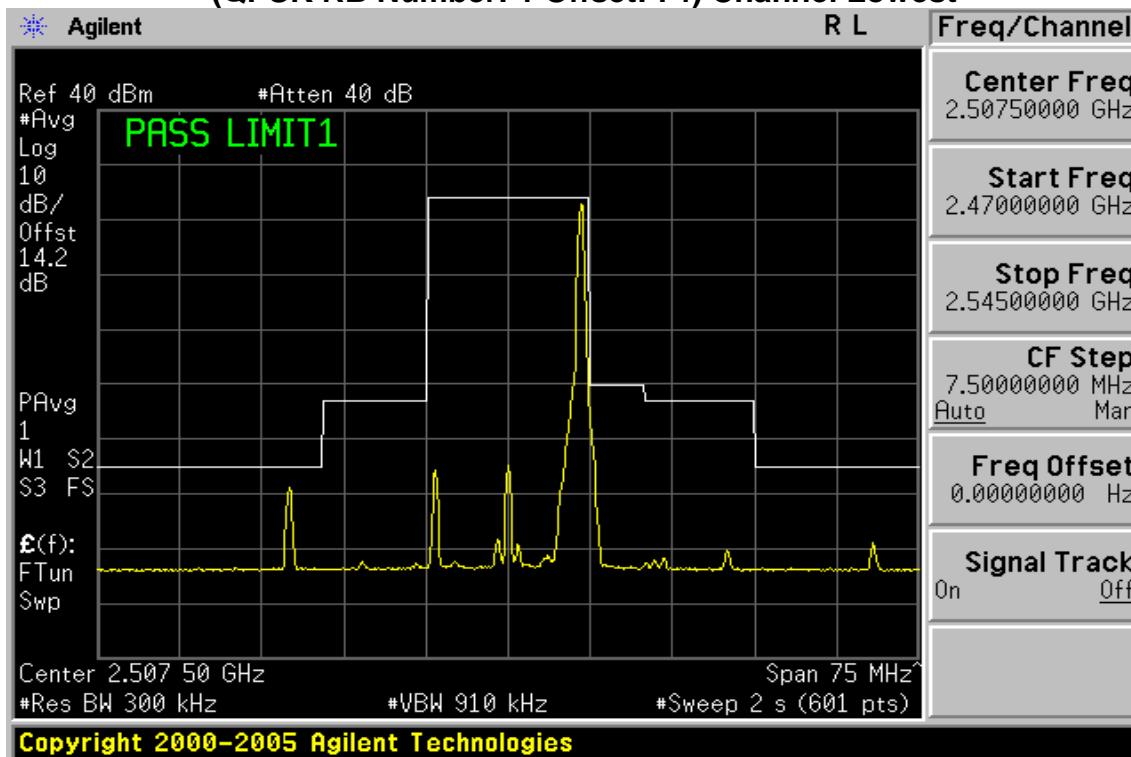
Emission Mask at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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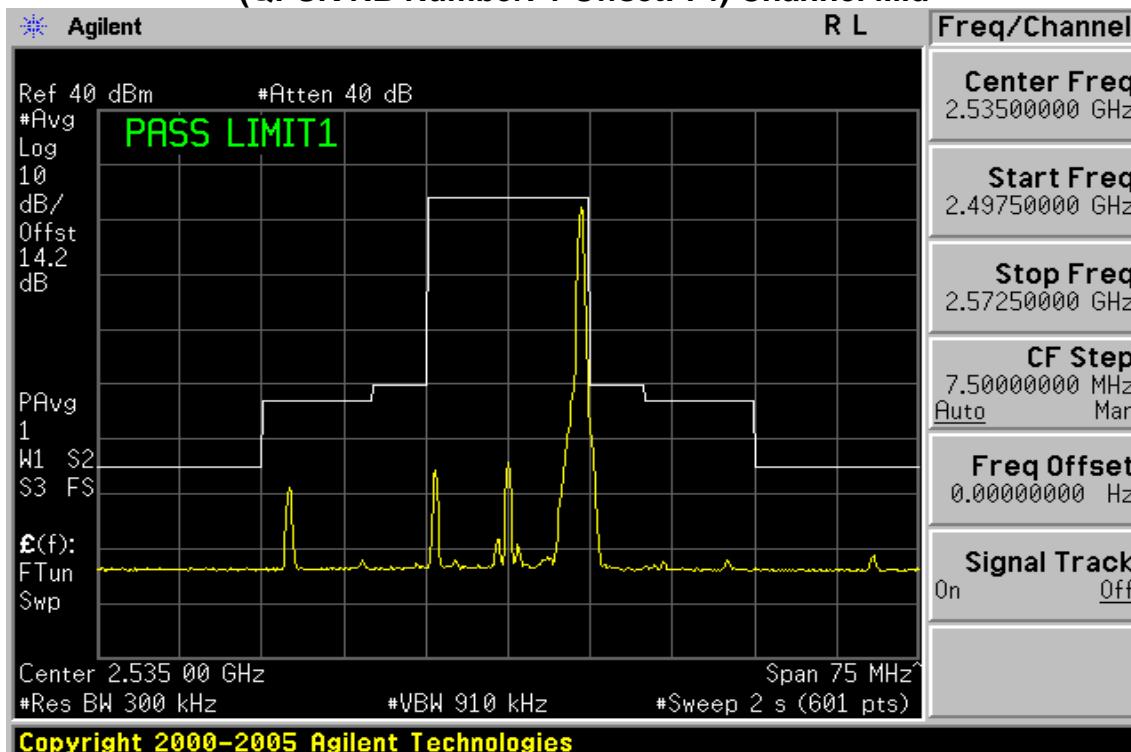
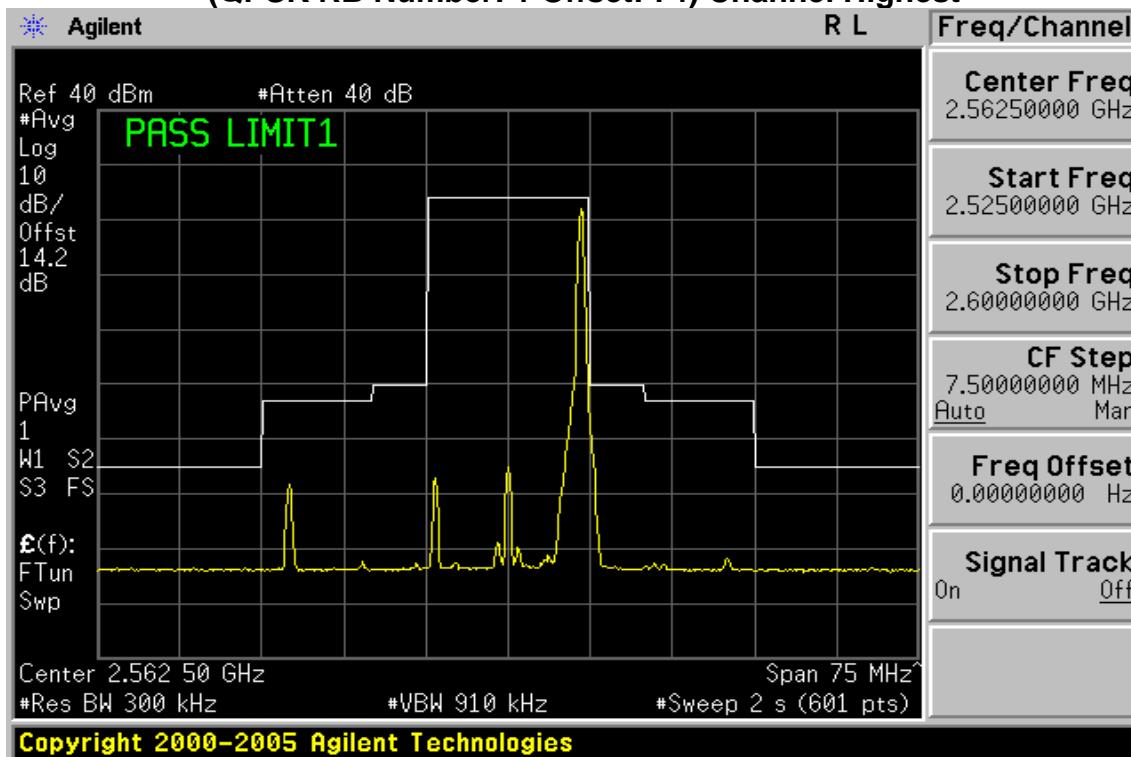
Emission Mask at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 74) Channel Lowest


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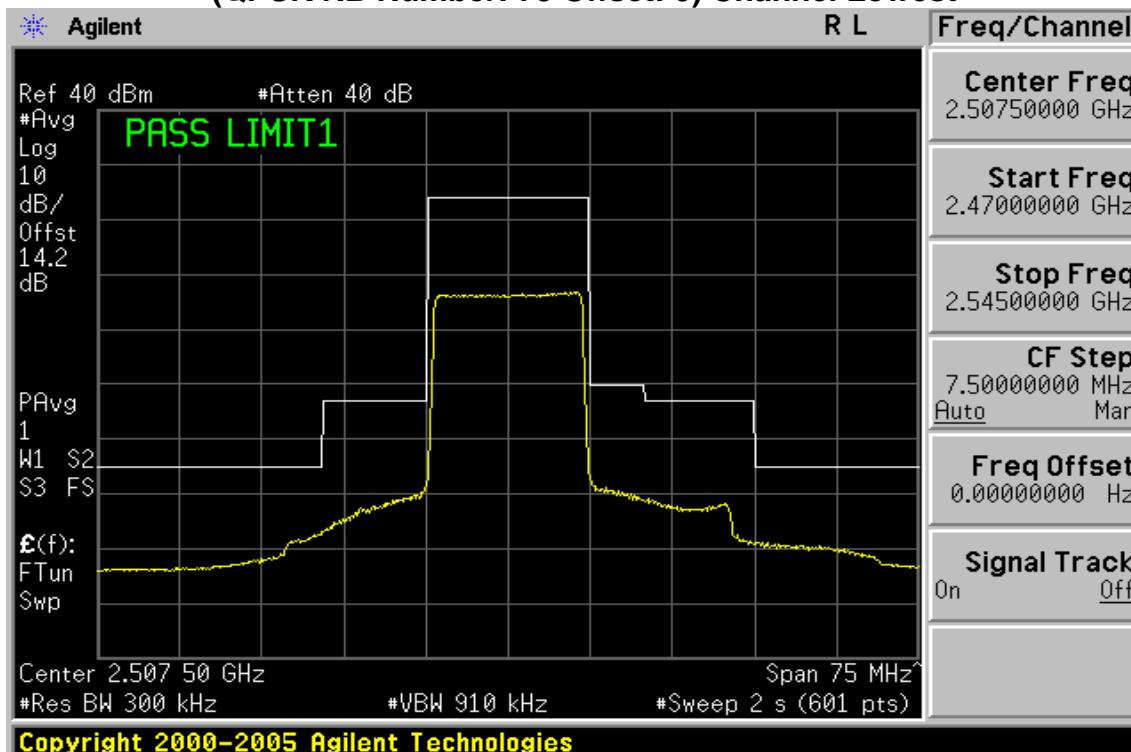
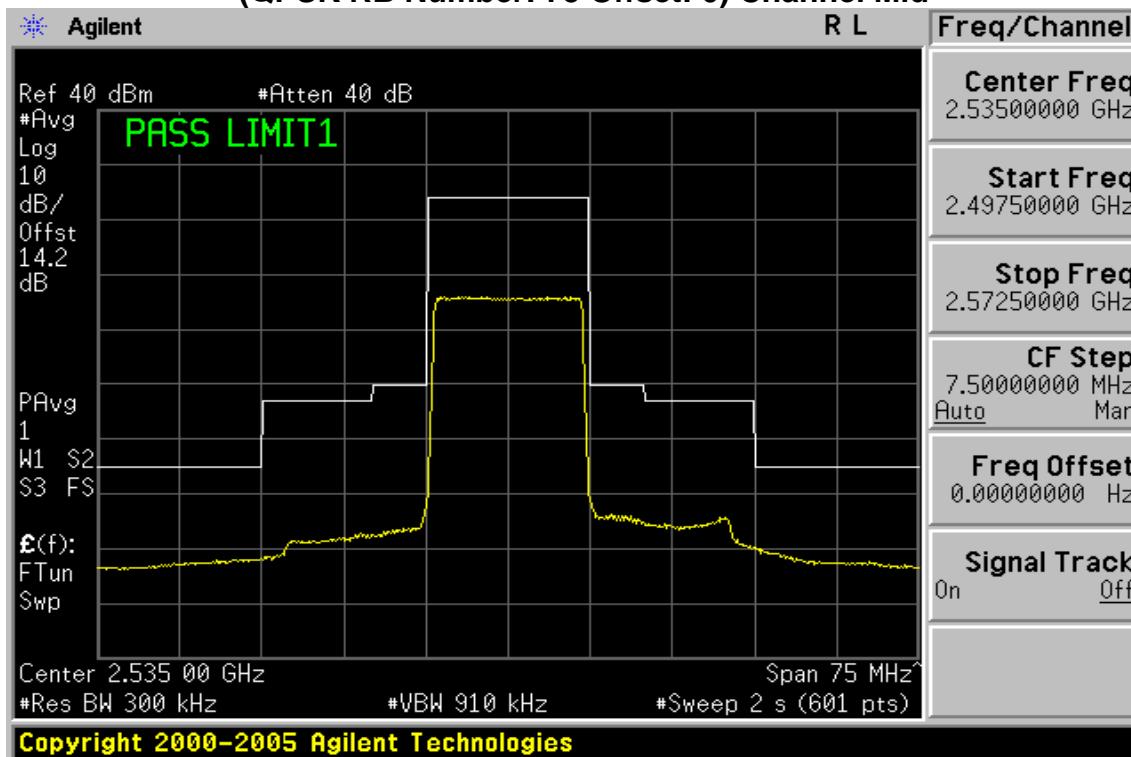
Emission Mask at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 74) Channel Mid

 Emission Mask at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 74) Channel Highest


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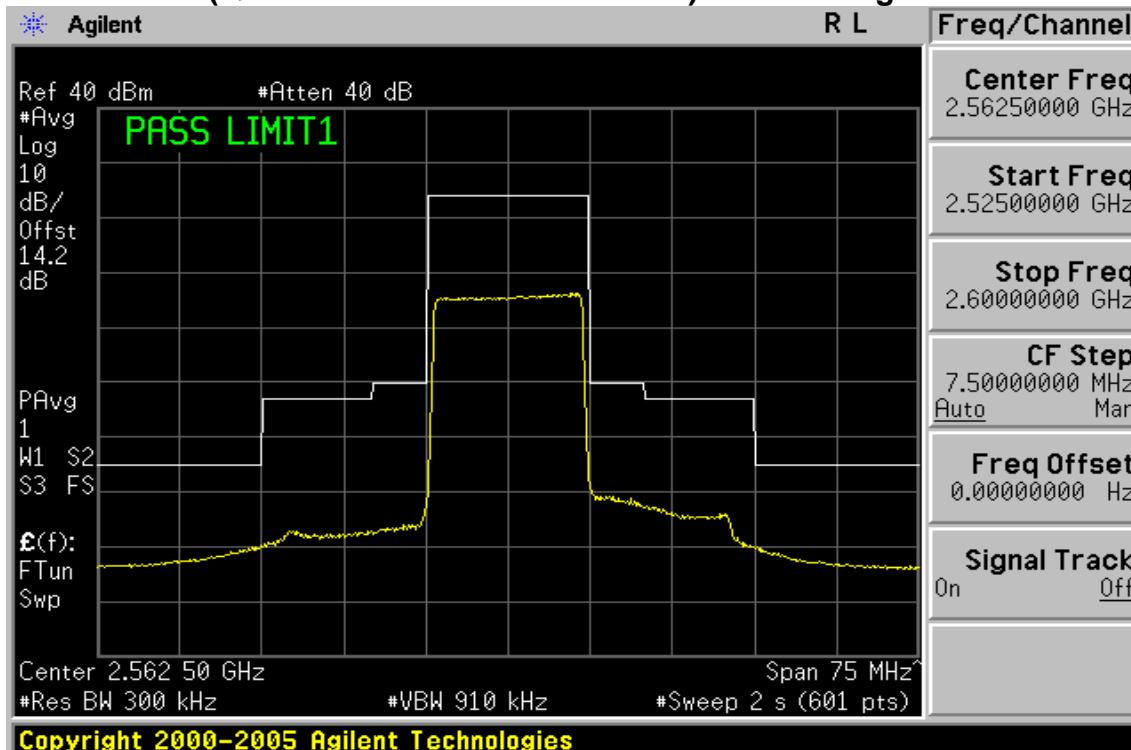
Emission Mask at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 75 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –15MHz BW LTE-Band 7  
 (QPSK RB Number: 75 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –15MHz BW LTE-Band 7  
(QPSK RB Number: 75 Offset: 0) Channel Highest**

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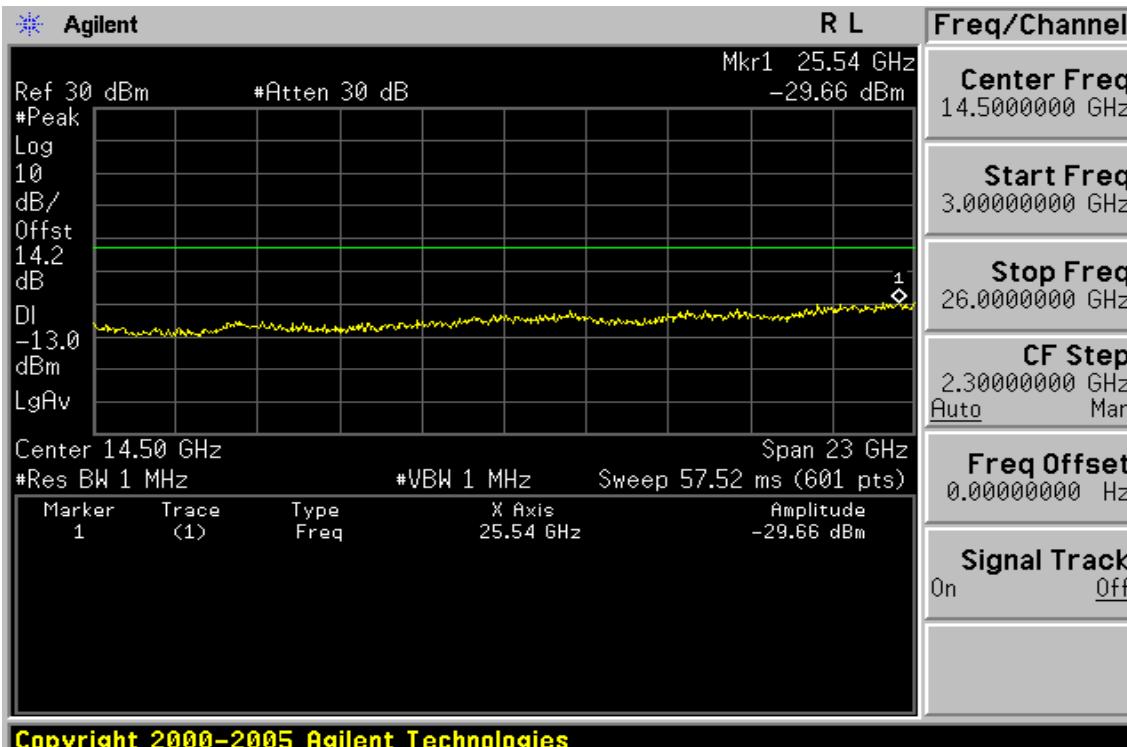
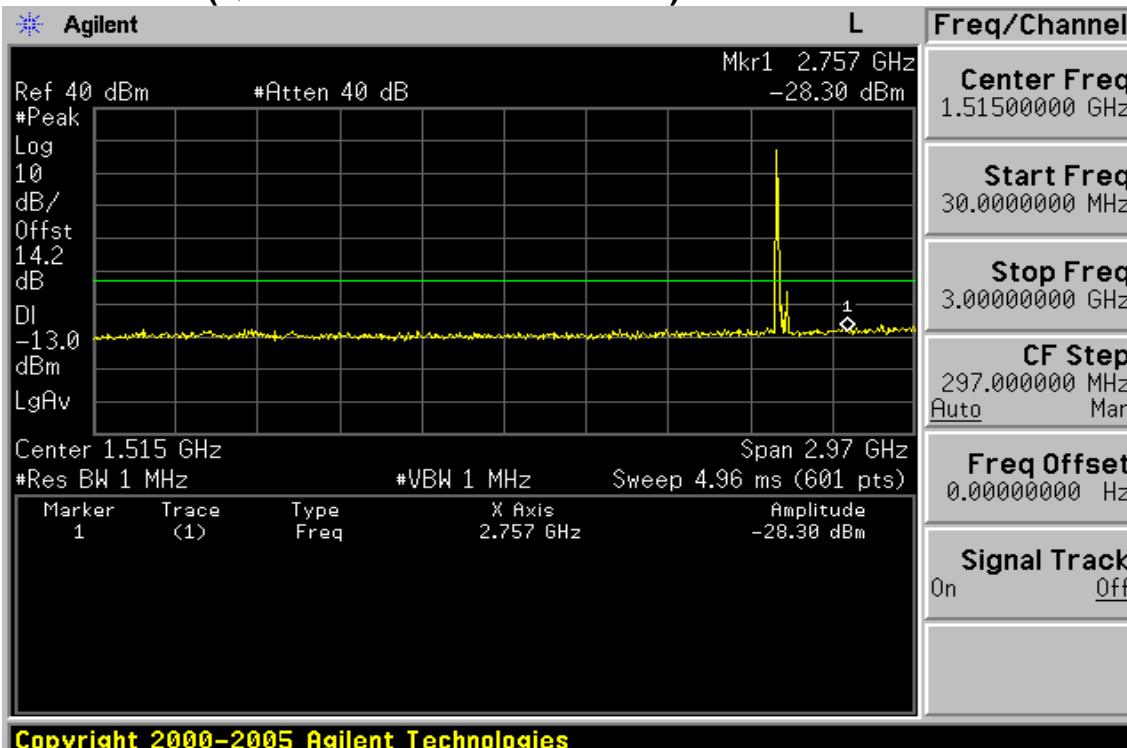
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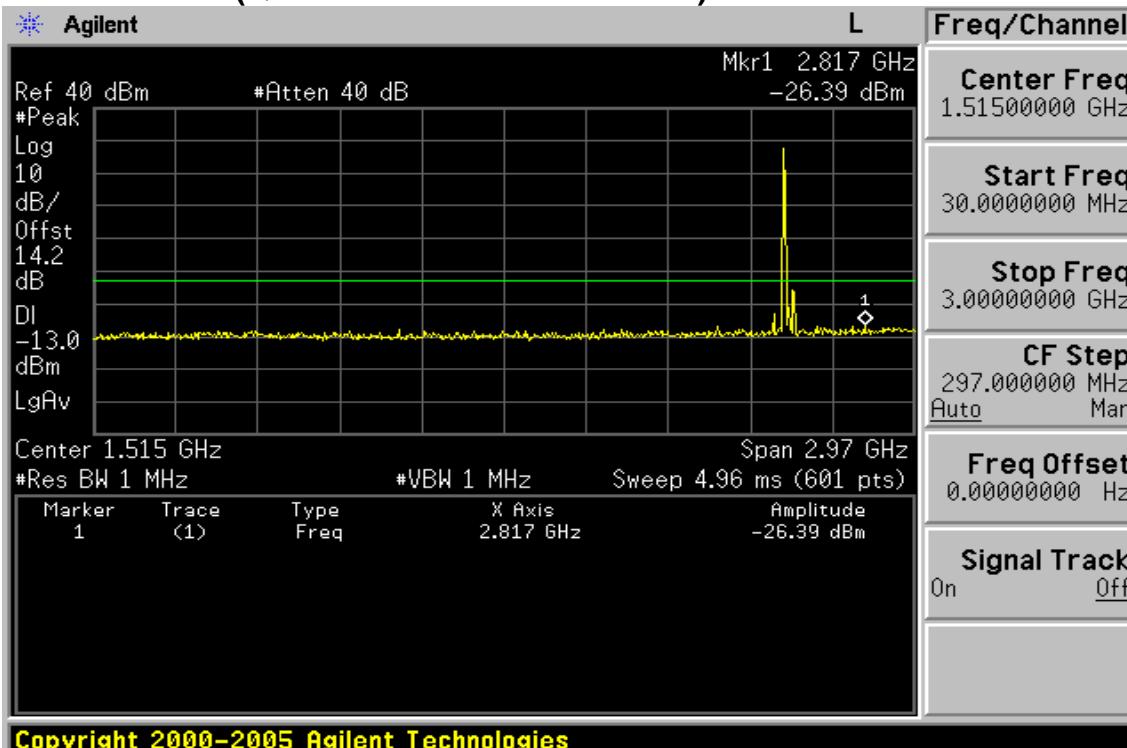
Out of Band emission at antenna terminals–20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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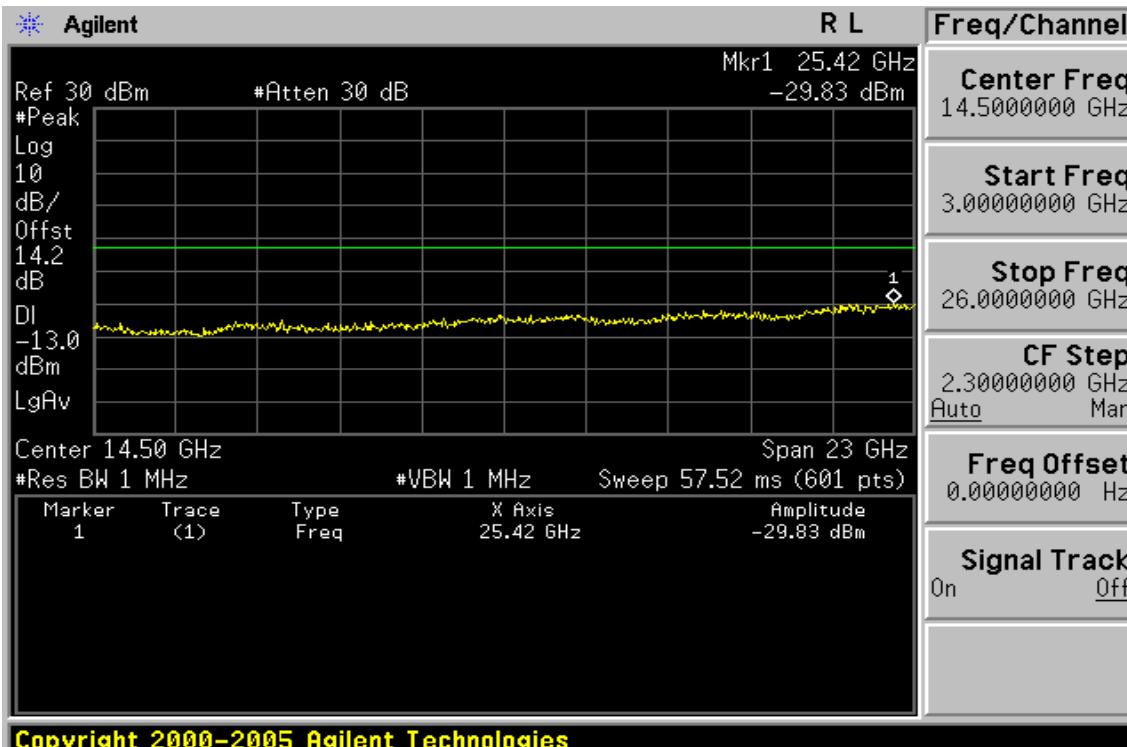
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Out of Band emission at antenna terminals–20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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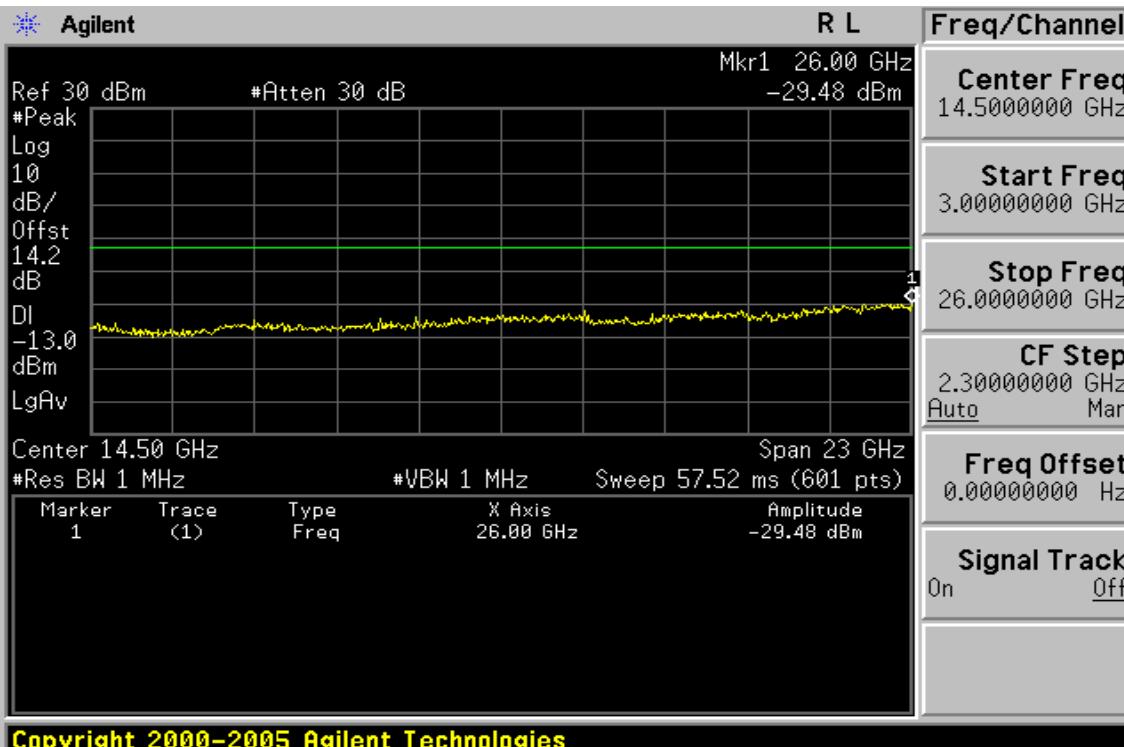
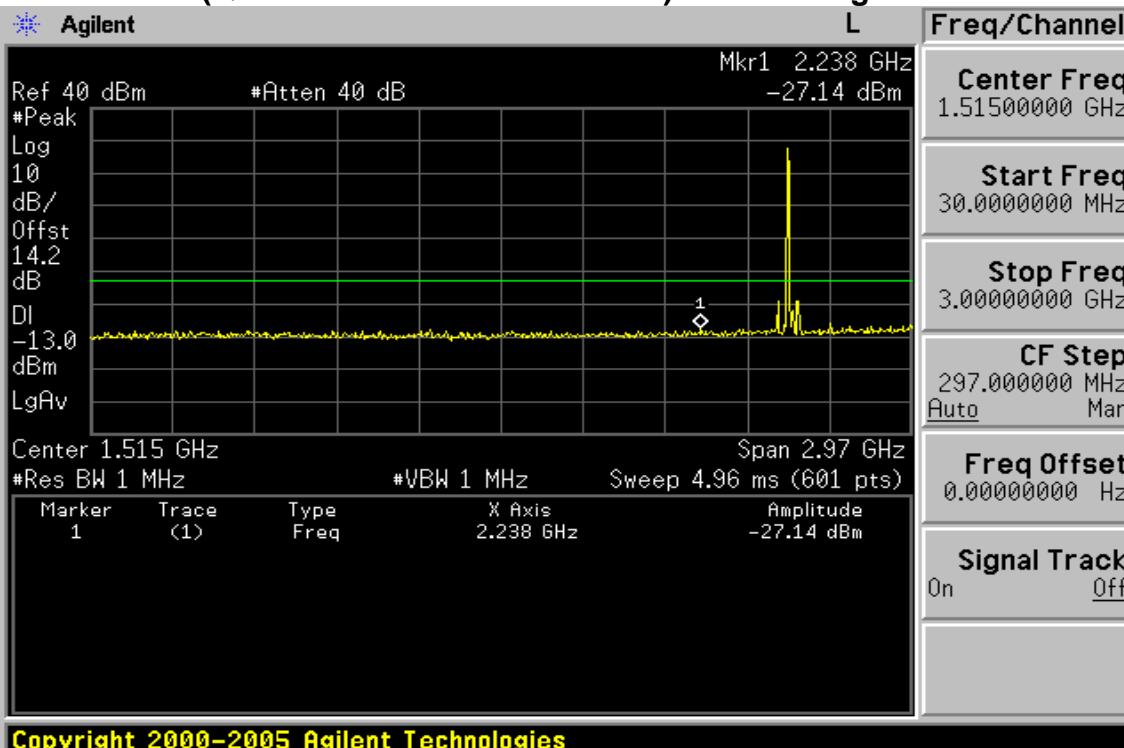
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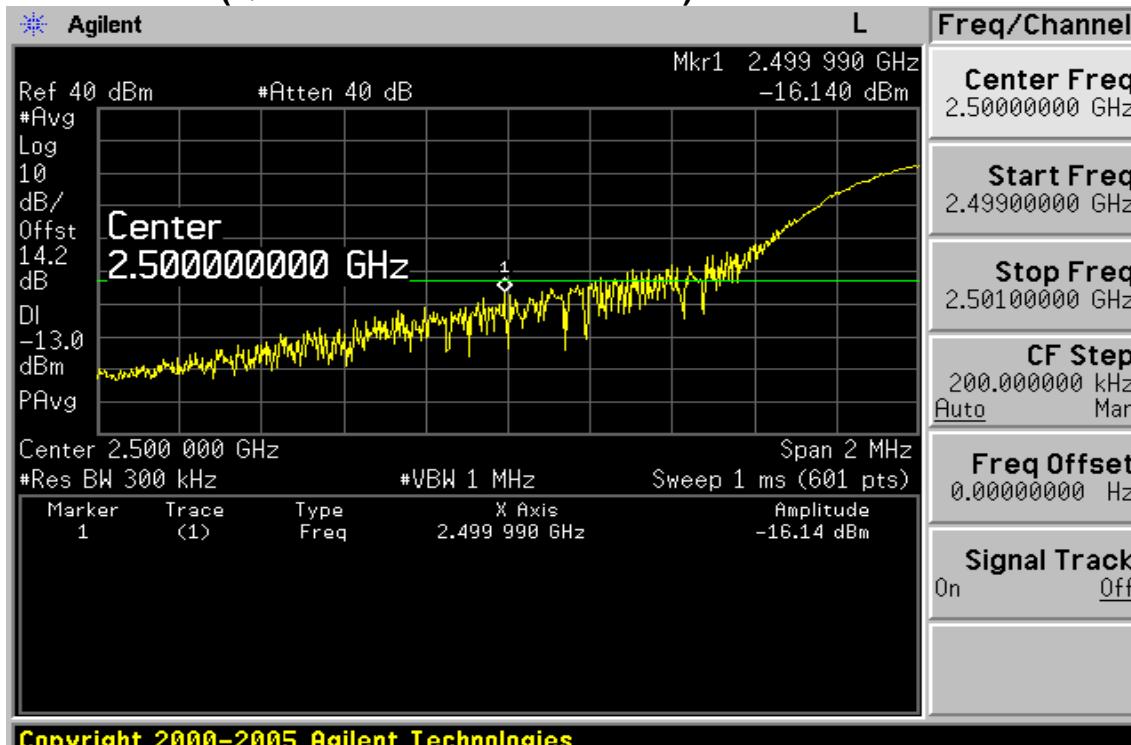
Out of Band emission at antenna terminals–20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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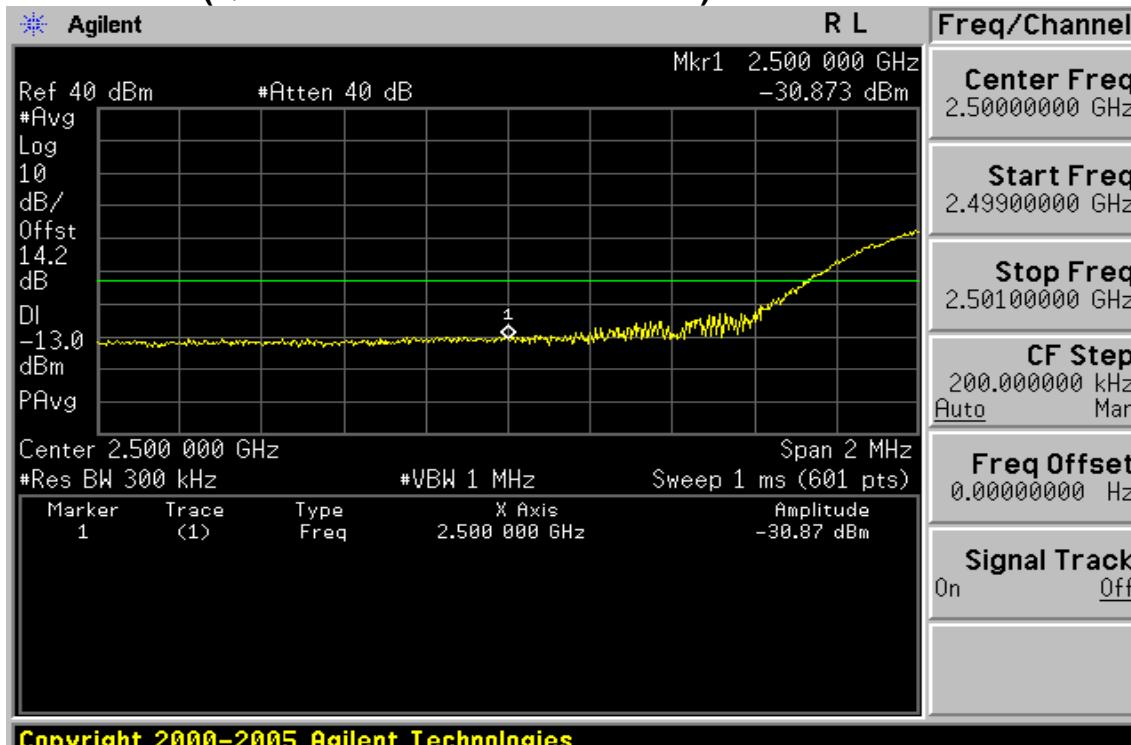
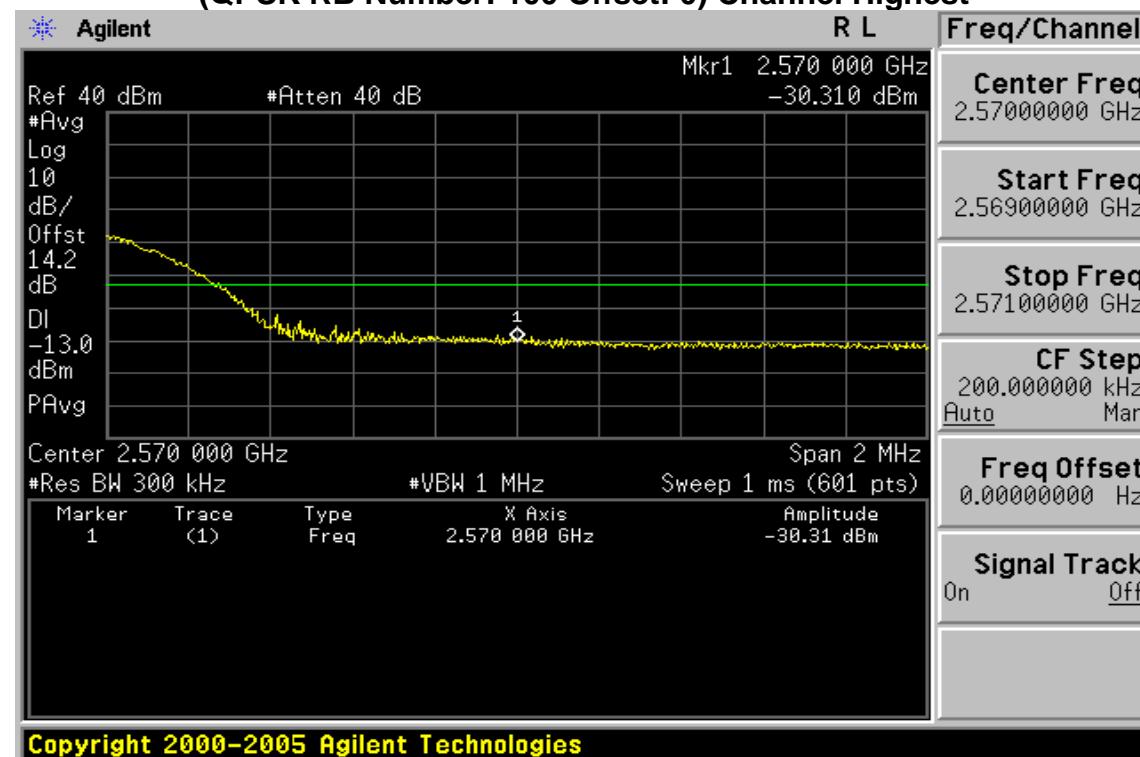
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Band edge emission at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 99) Channel Highest


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Band edge emission at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 100 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 100 Offset: 0) Channel Highest


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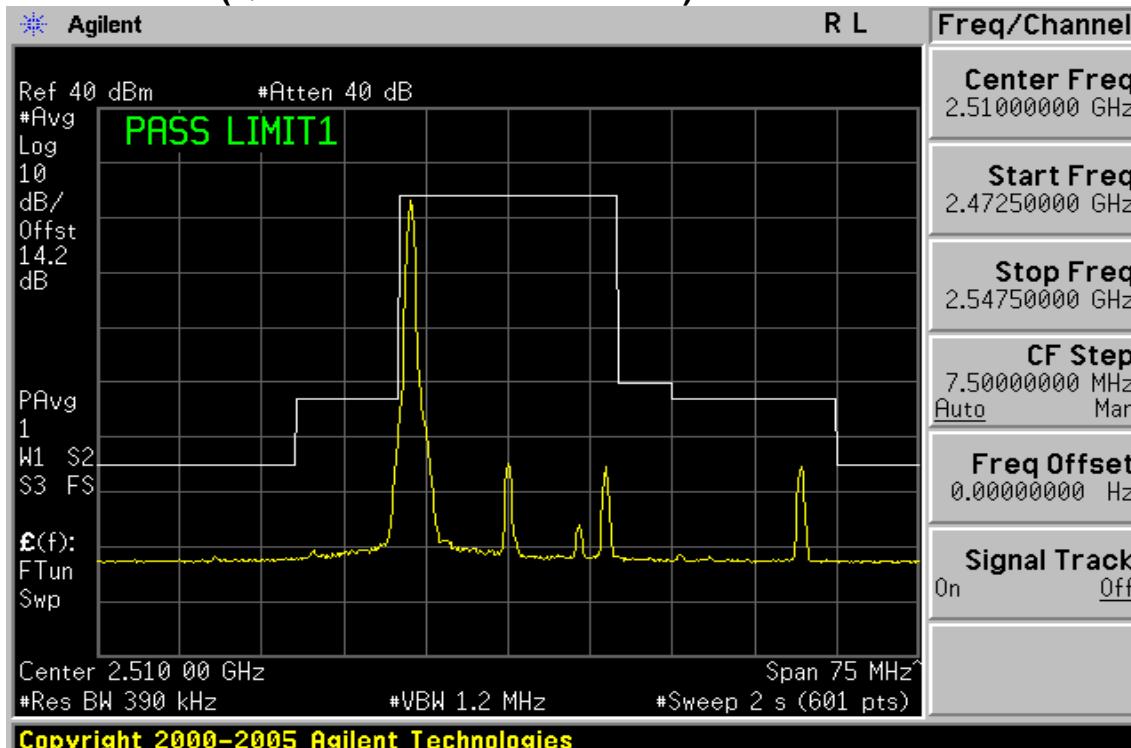
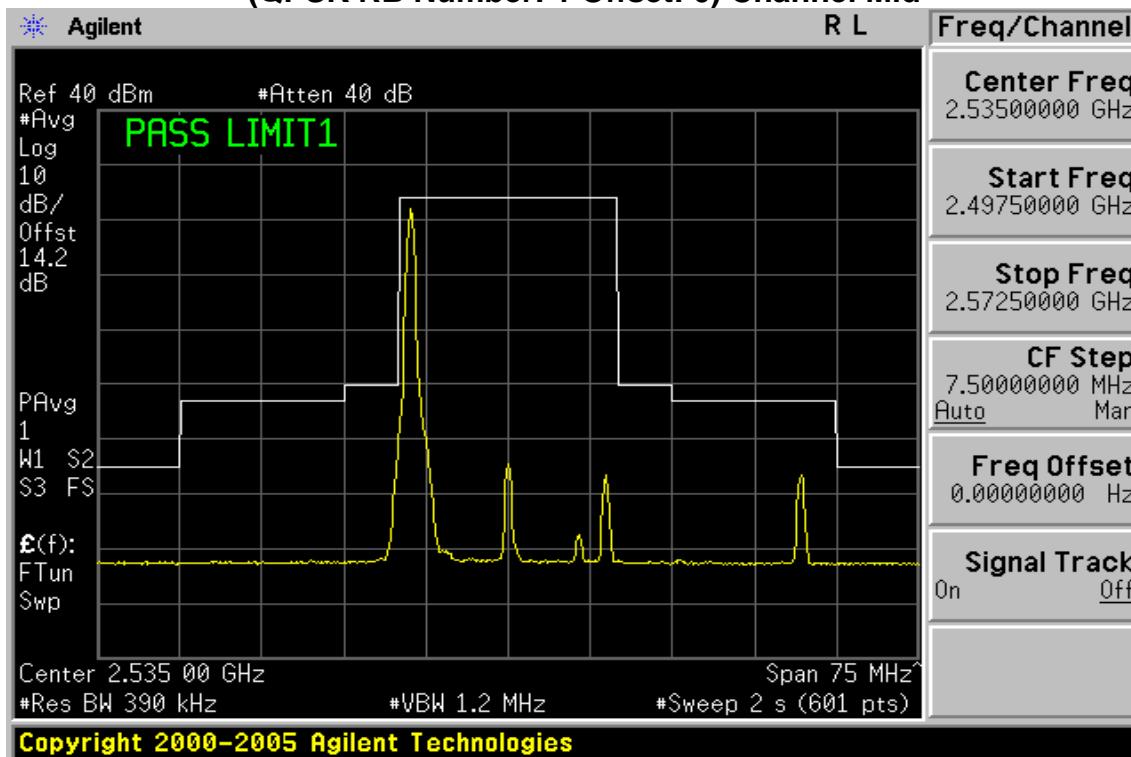
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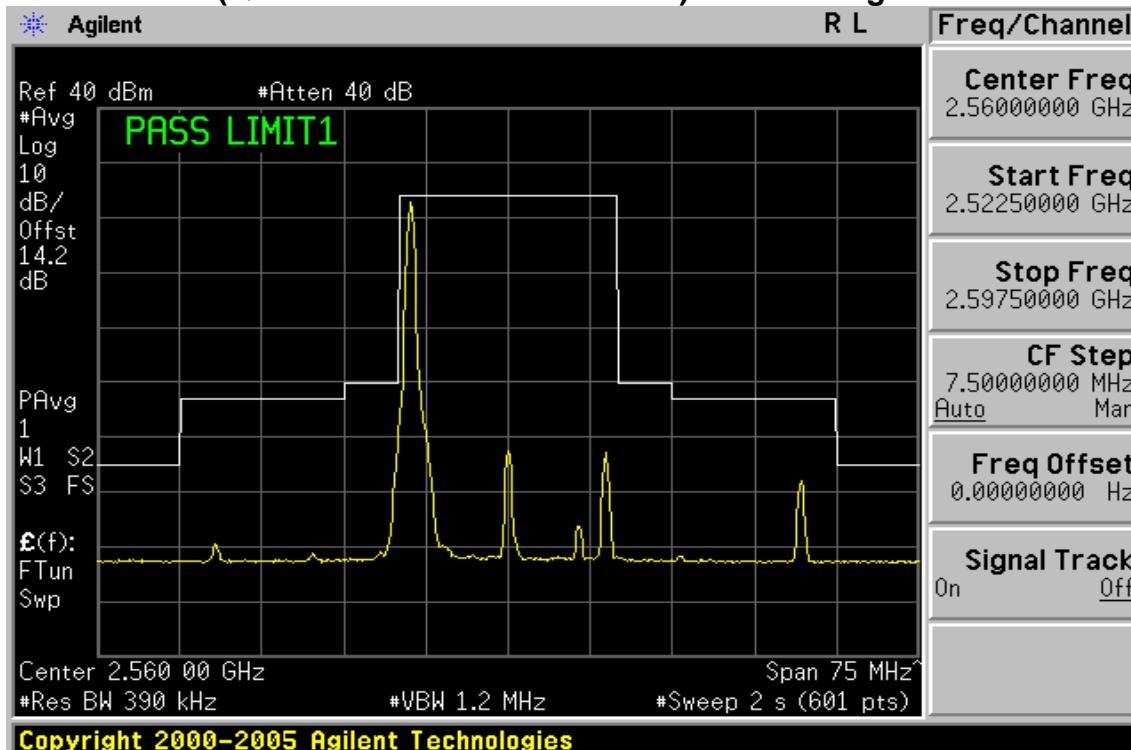
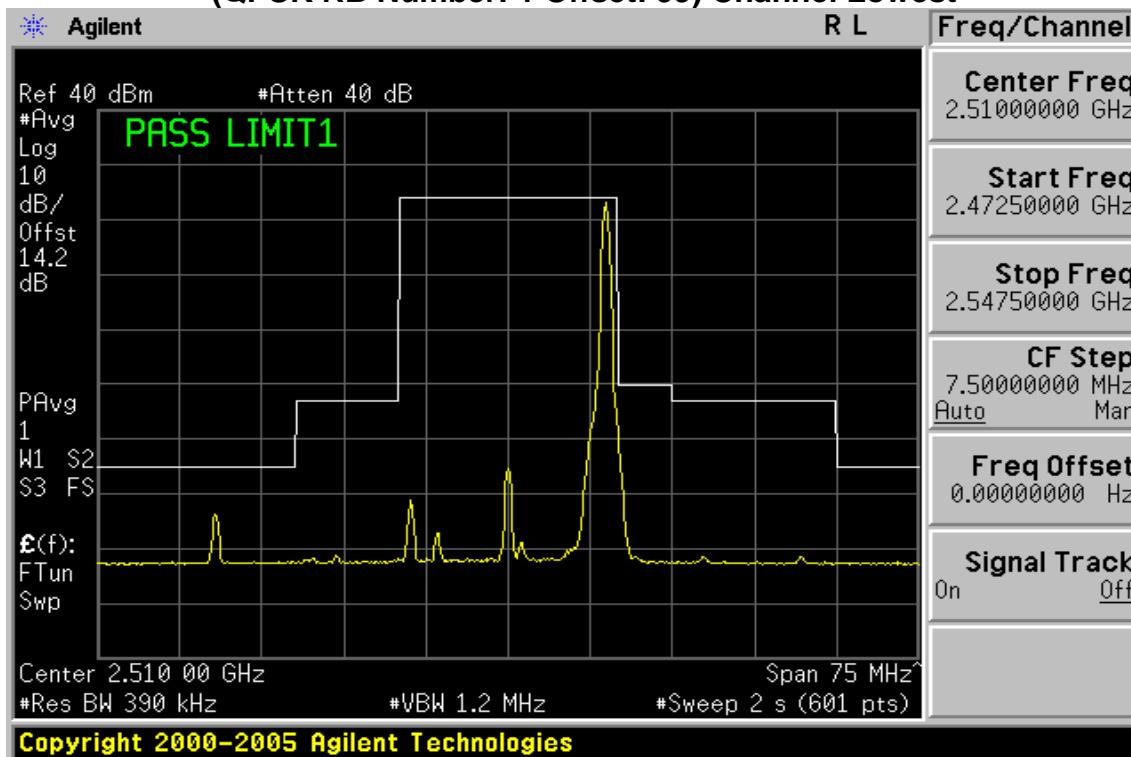
Emission Mask at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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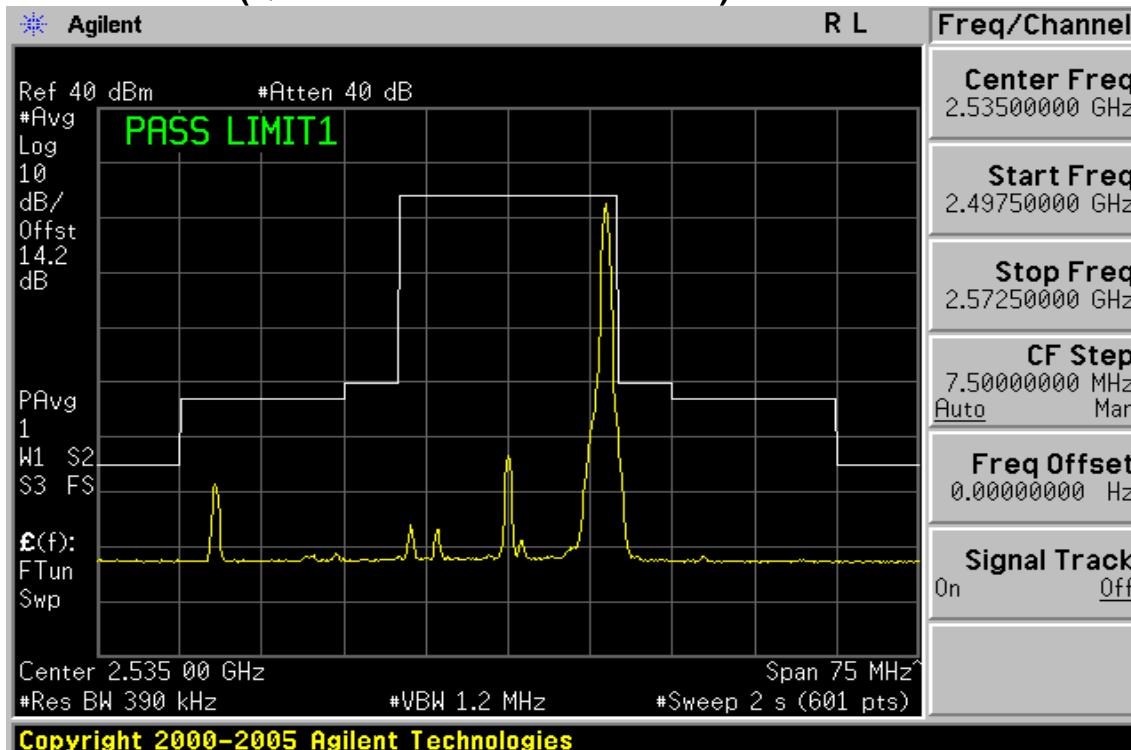
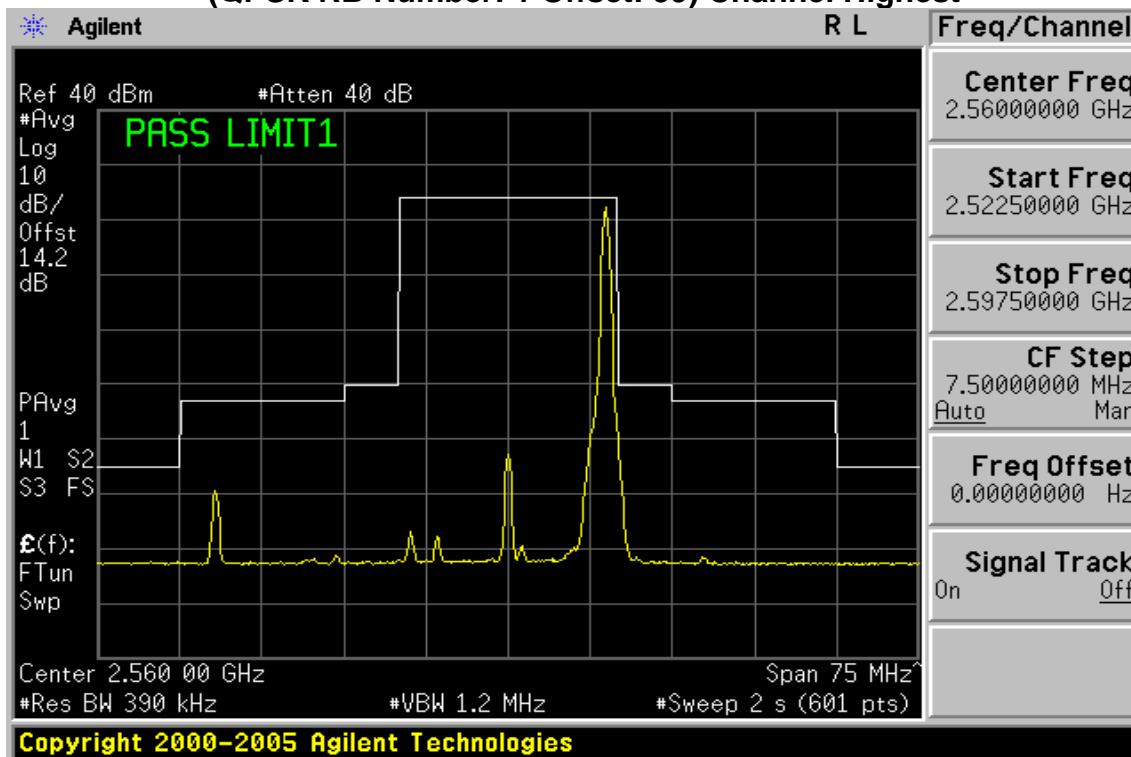
Emission Mask at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 99) Channel Lowest


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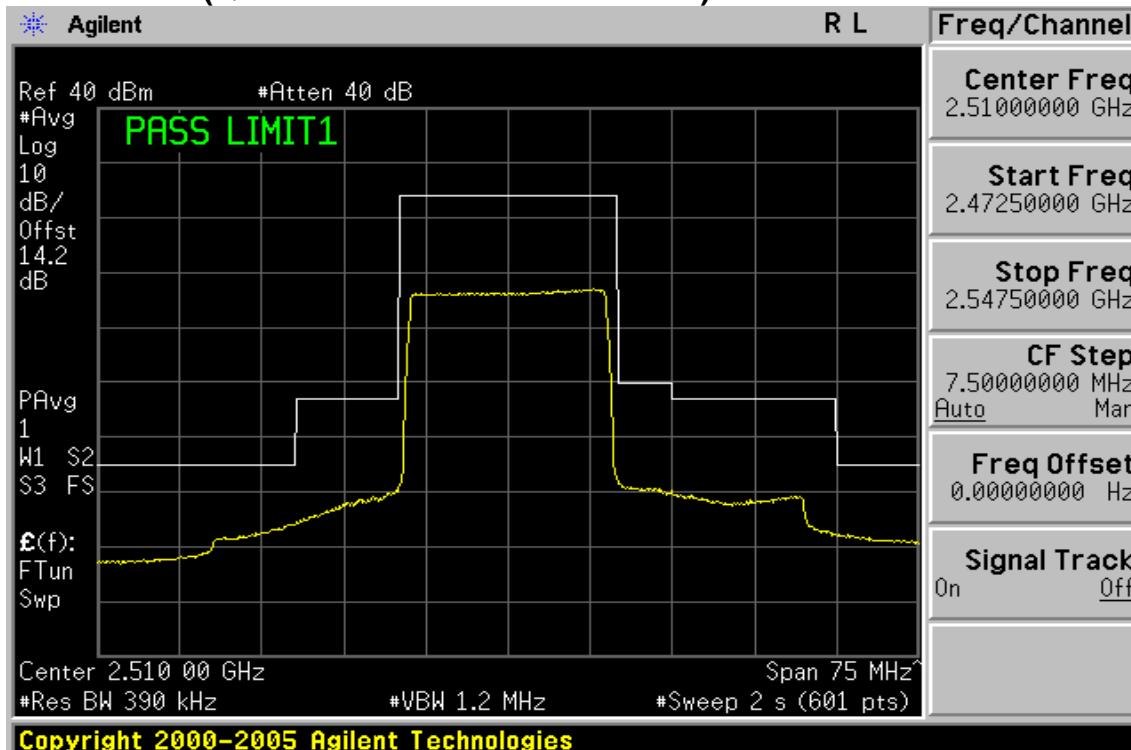
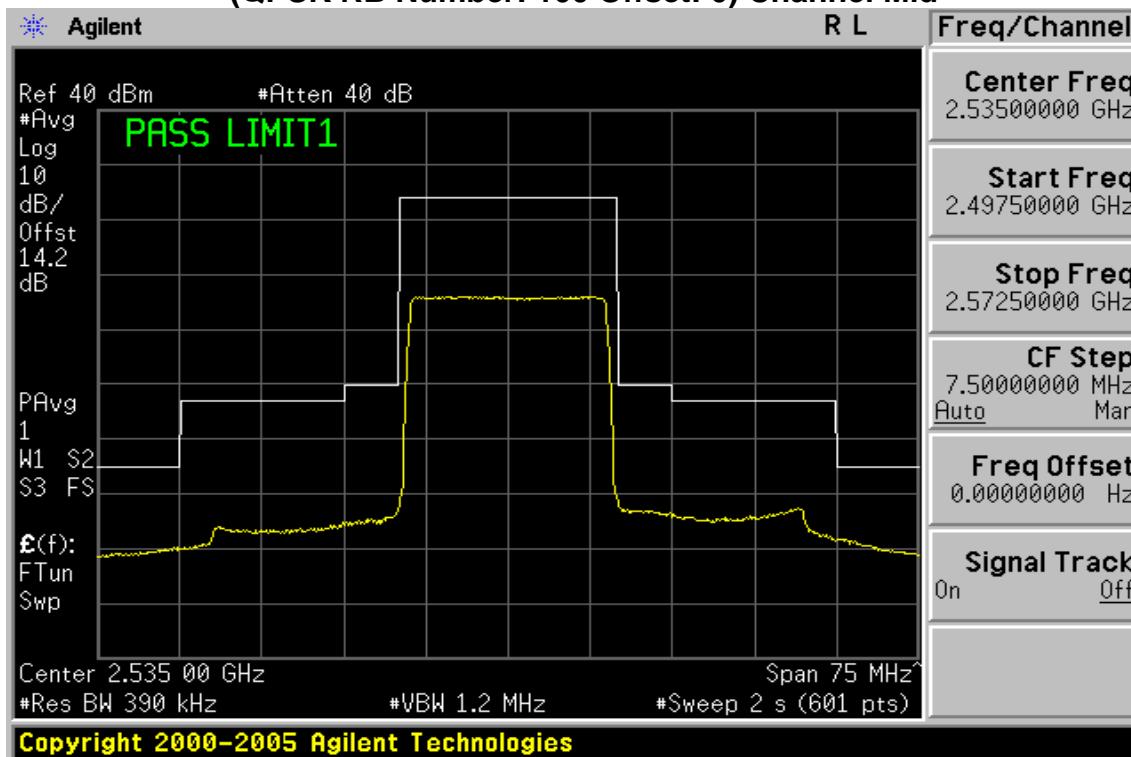
Emission Mask at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 99) Channel Mid

 Emission Mask at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 1 Offset: 99) Channel Highest


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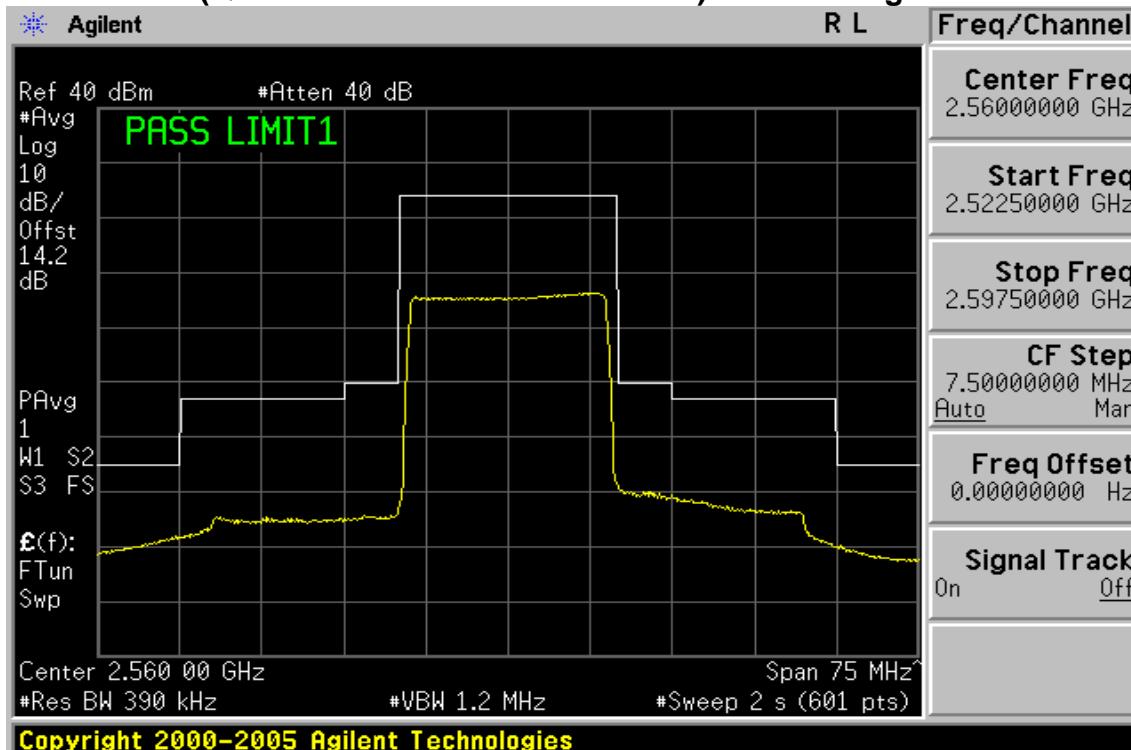
Emission Mask at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 100 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –20MHz BW LTE-Band 7  
 (QPSK RB Number: 100 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –20MHz BW LTE-Band 7  
(QPSK RB Number: 100 Offset: 0) Channel Highest**

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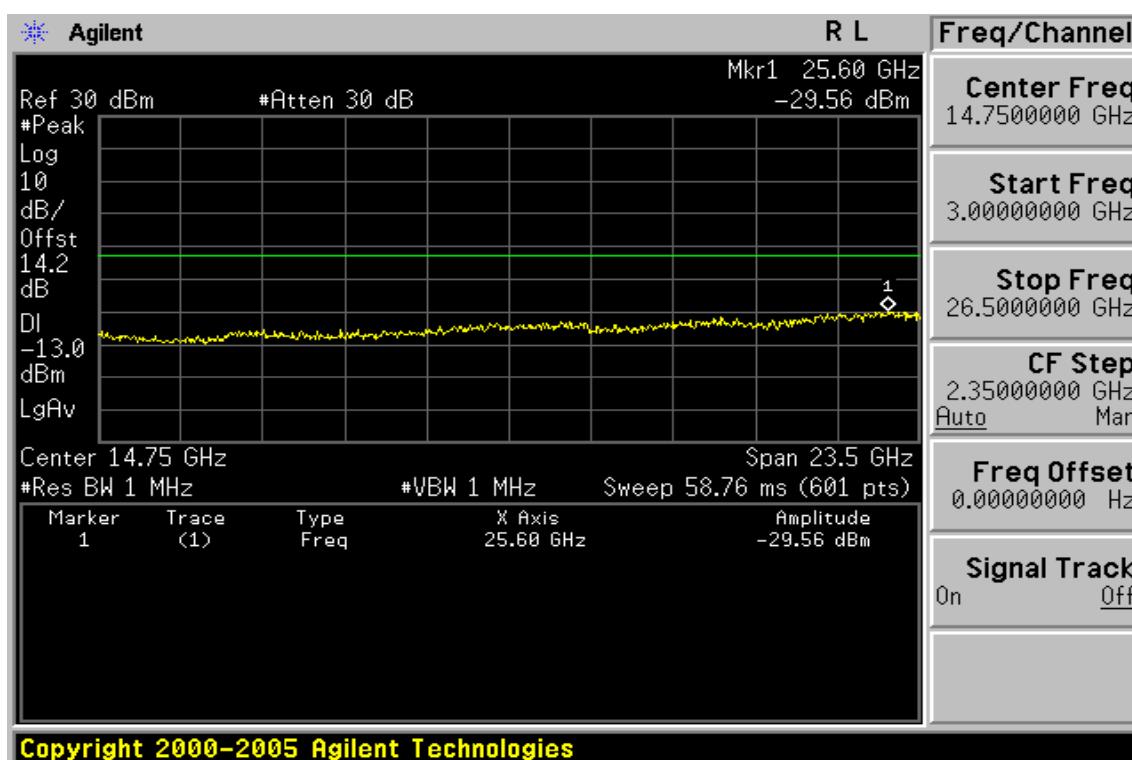
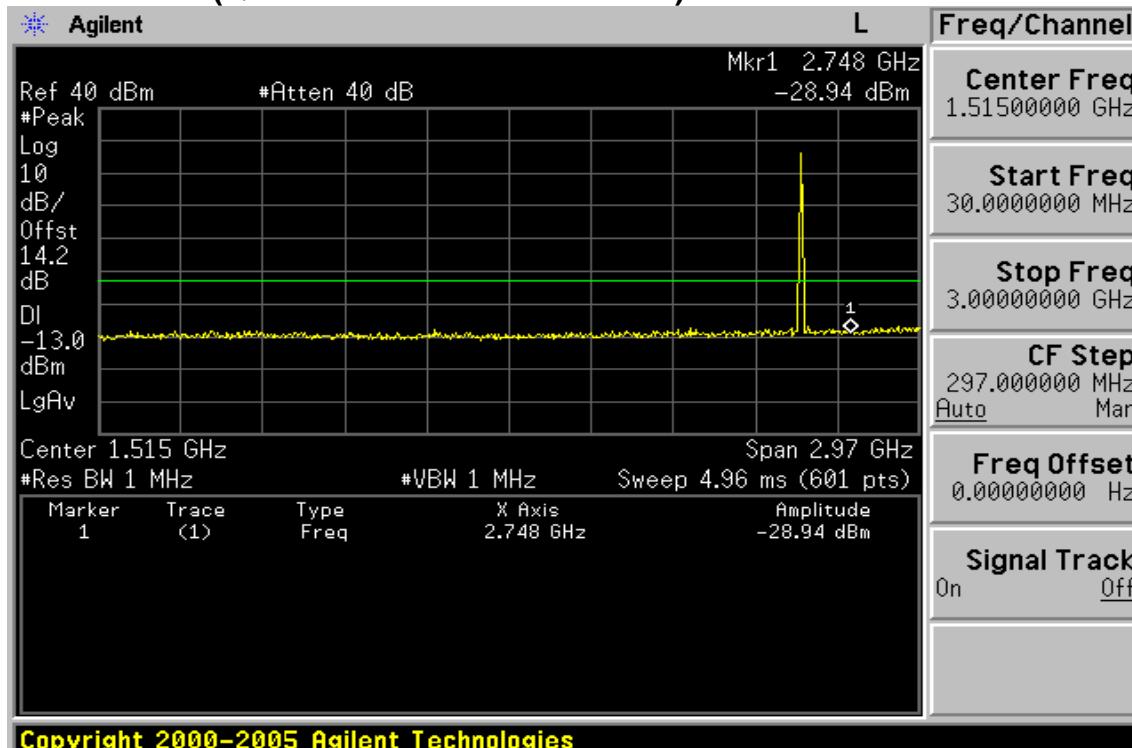
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**Out of Band emission at antenna terminals–5MHz BW LTE-Band 38**  
**(QPSK RB Number: 1 Offset: 0) Channel Lowest**



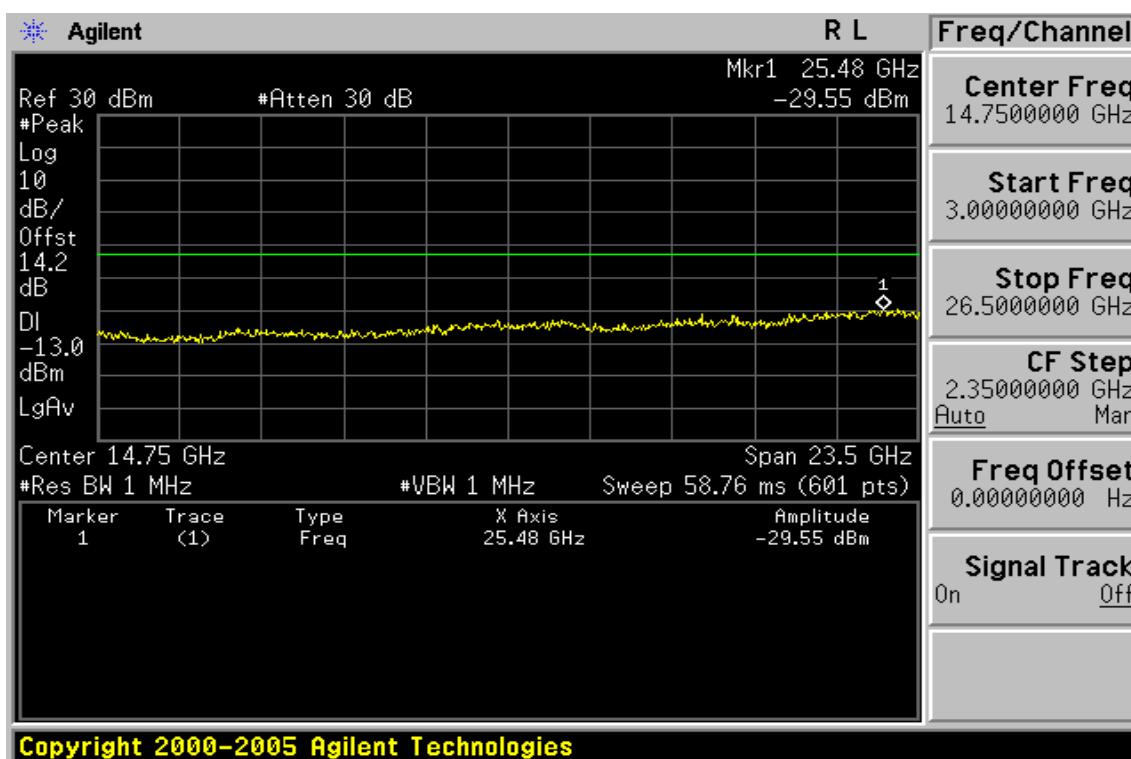
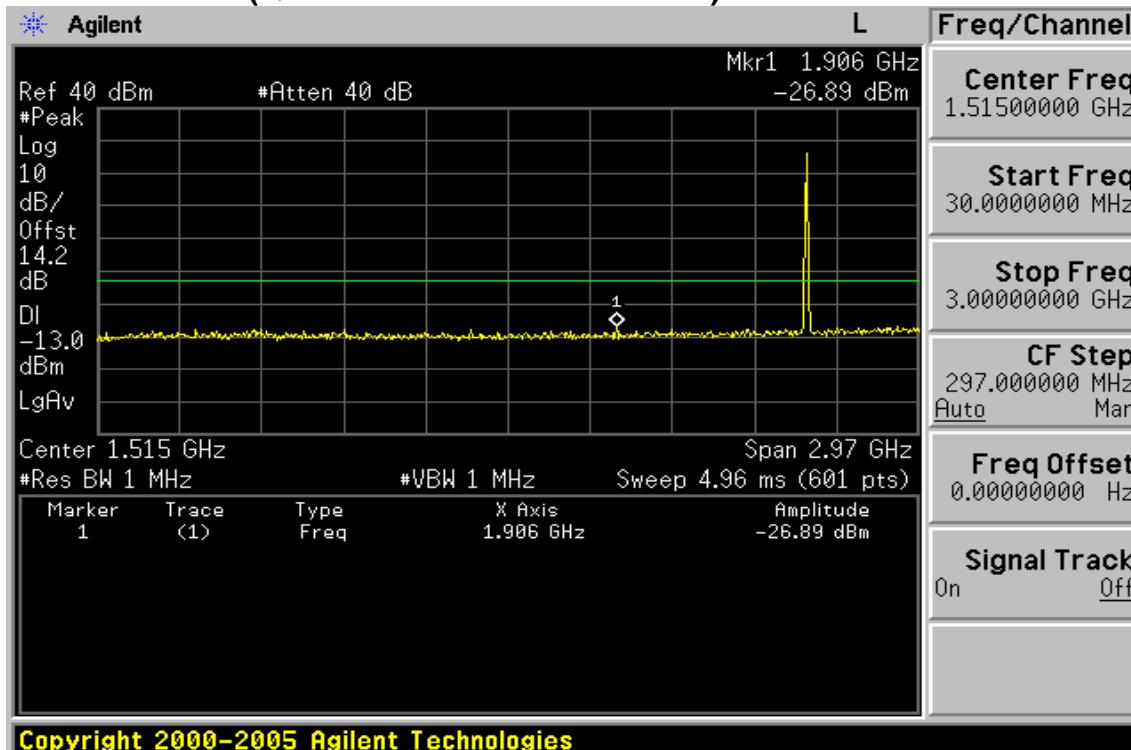
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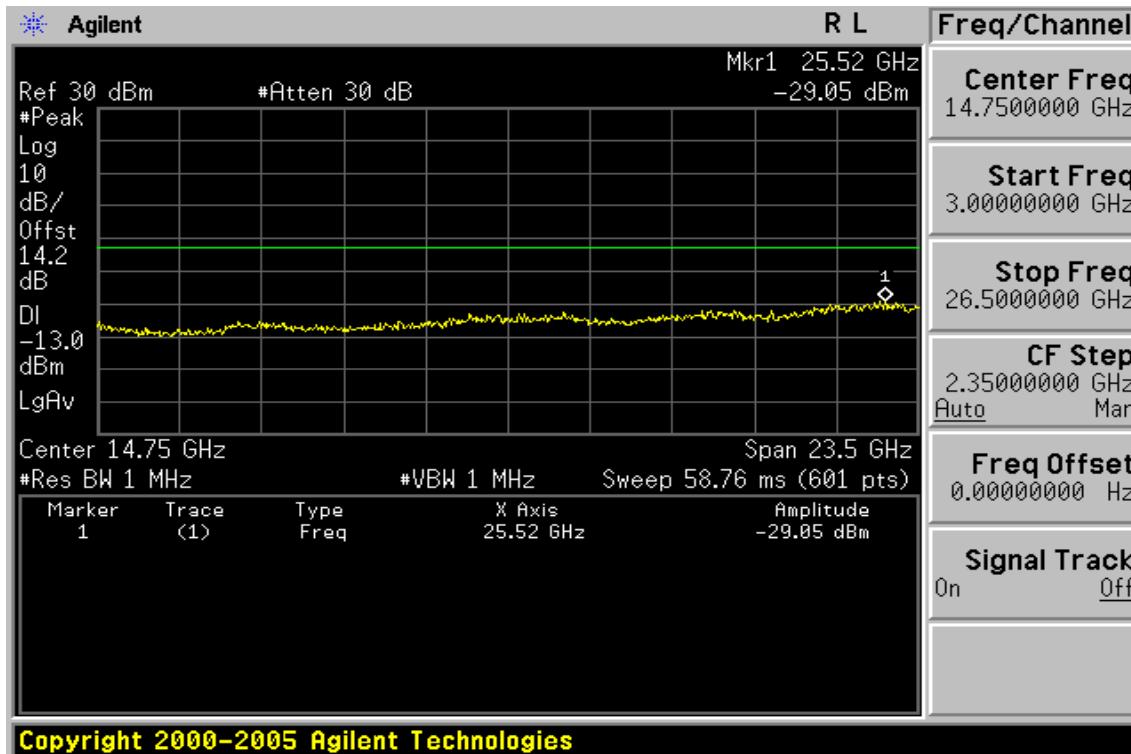
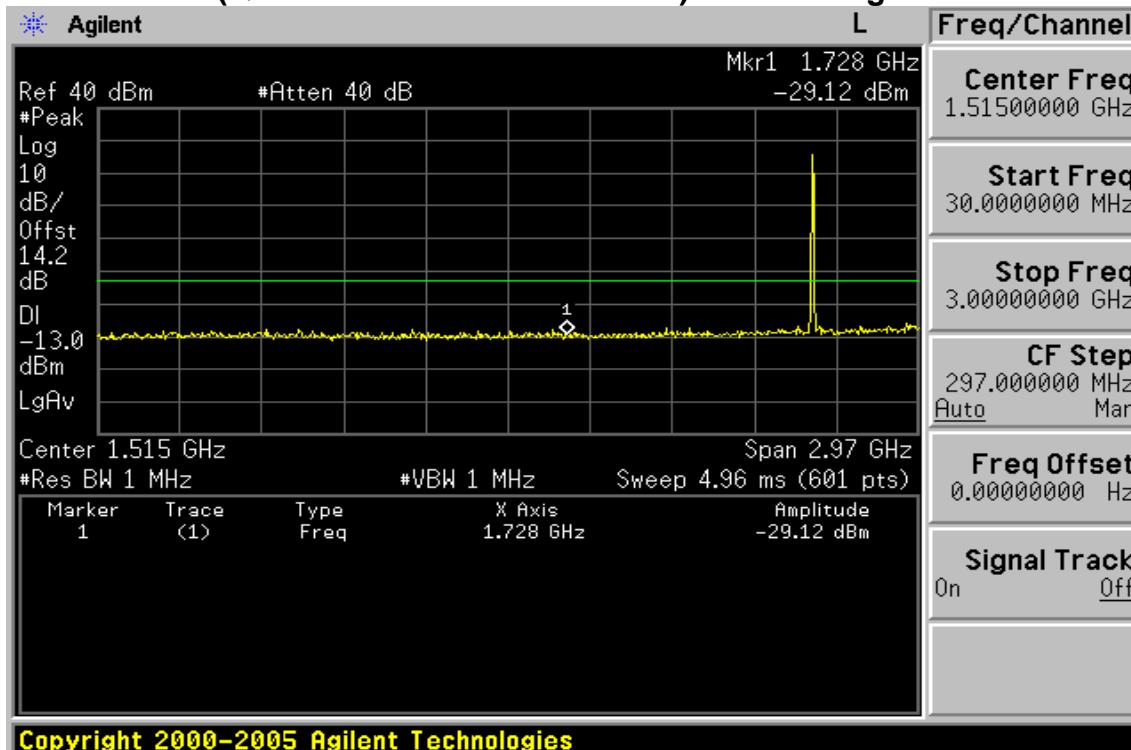
Out of Band emission at antenna terminals -5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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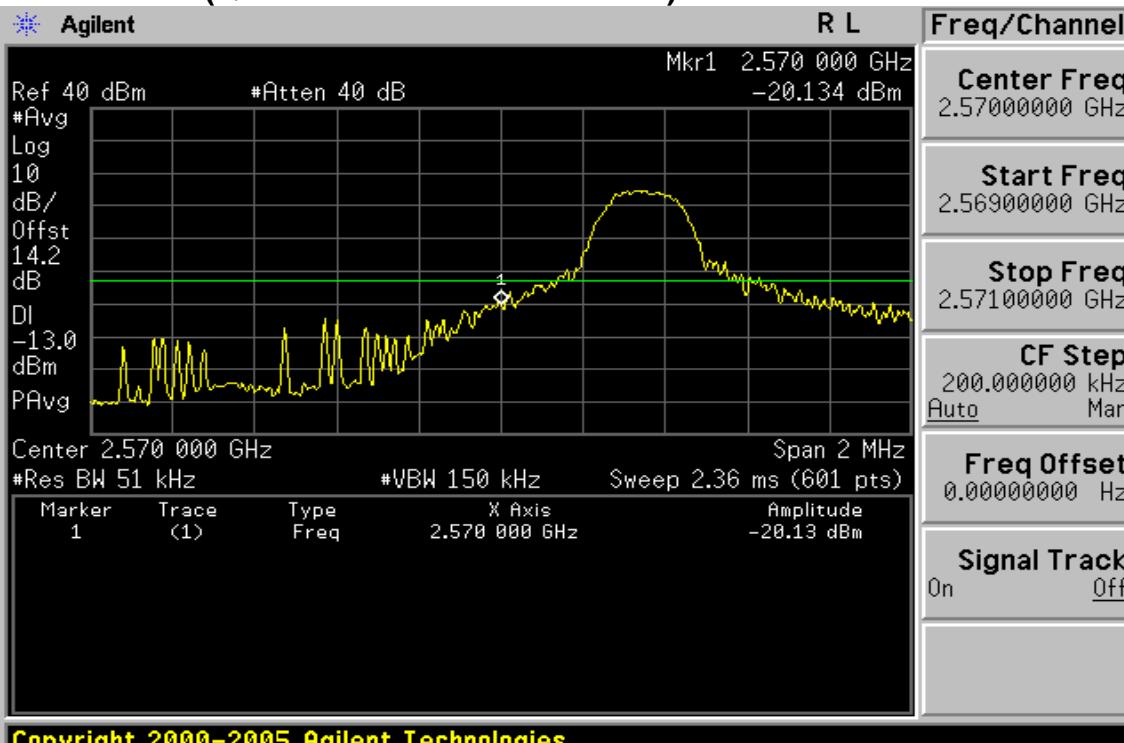
Out of Band emission at antenna terminals—5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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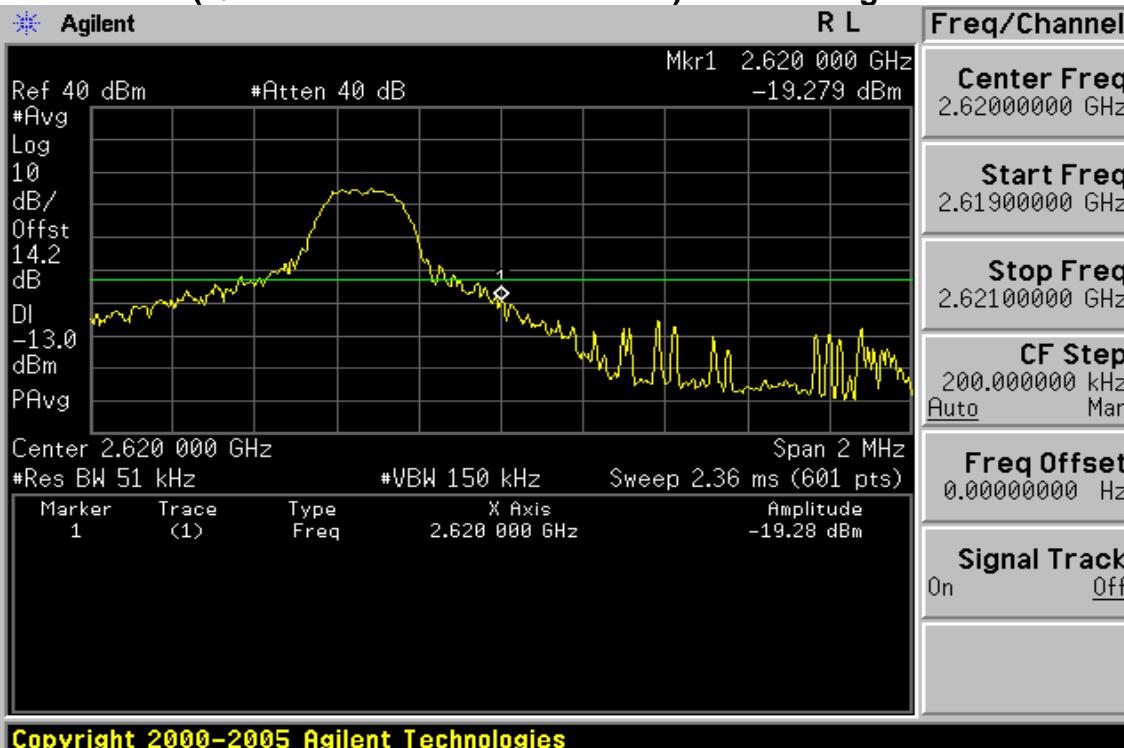
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Band edge emission at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 24) Channel Highest


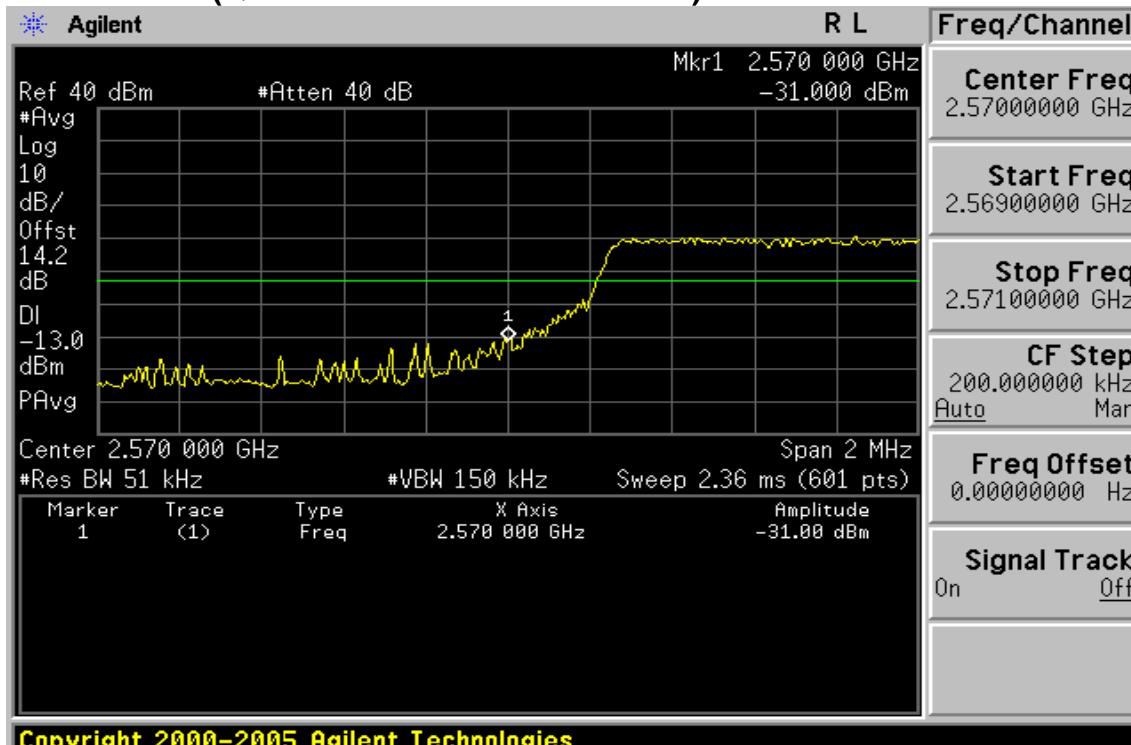
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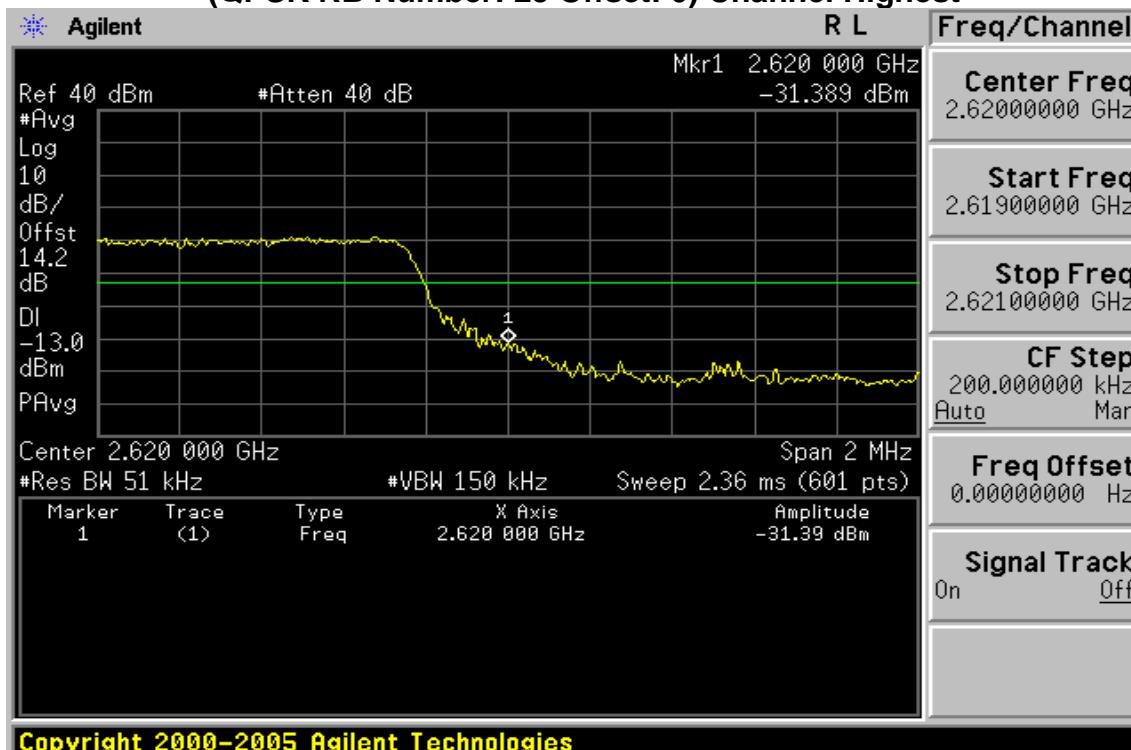
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Band edge emission at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 25 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 25 Offset: 0) Channel Highest


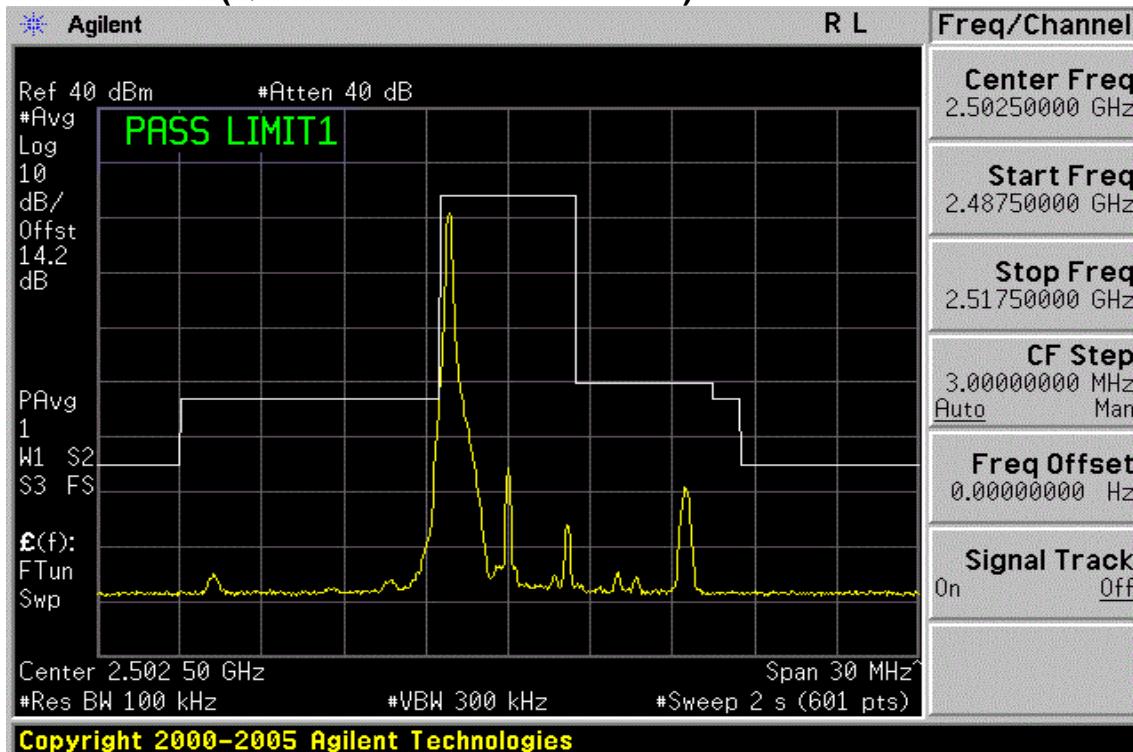
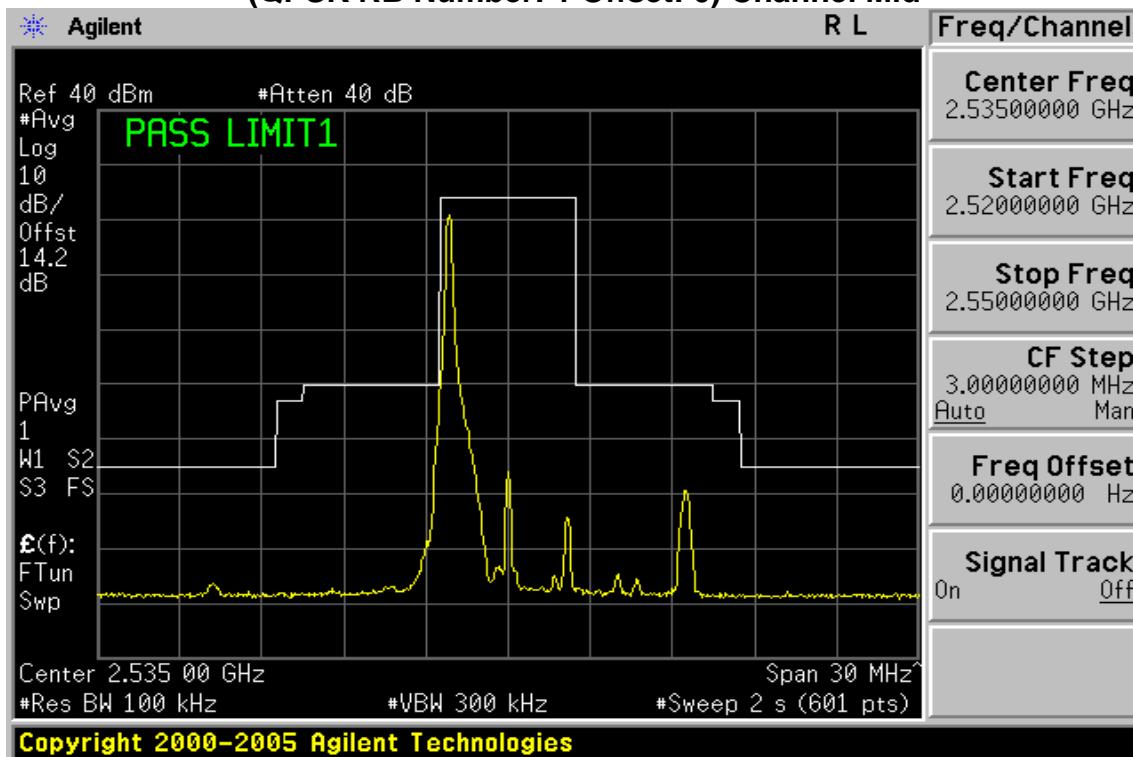
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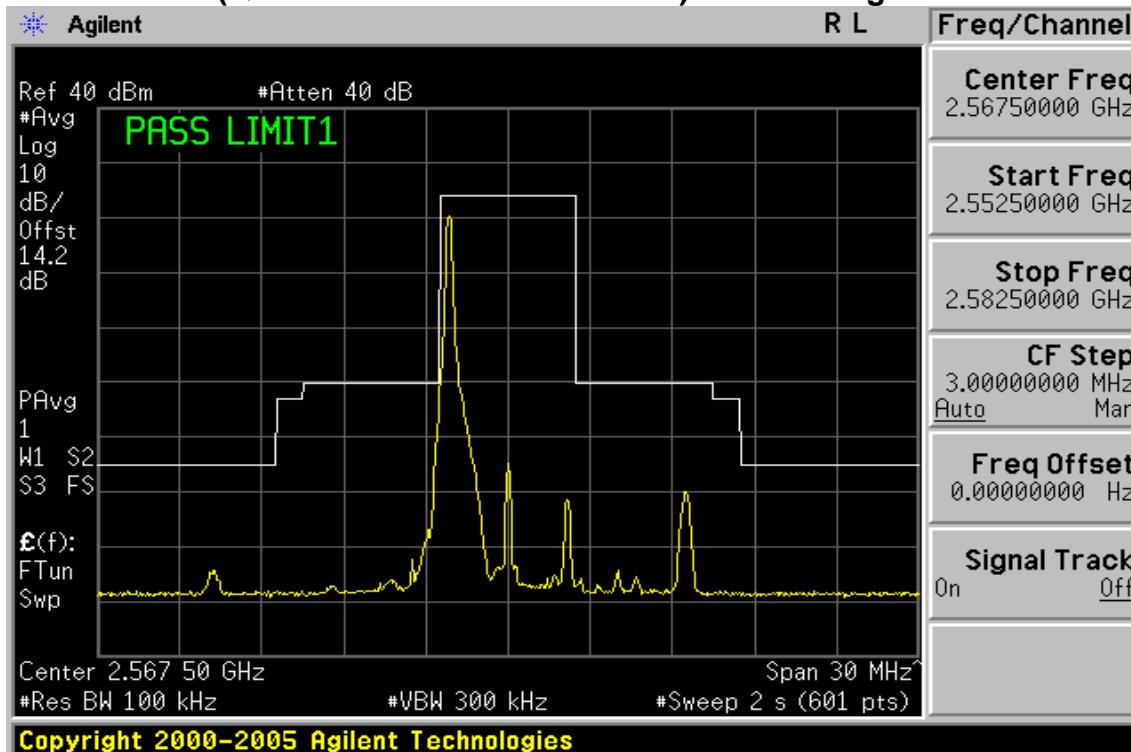
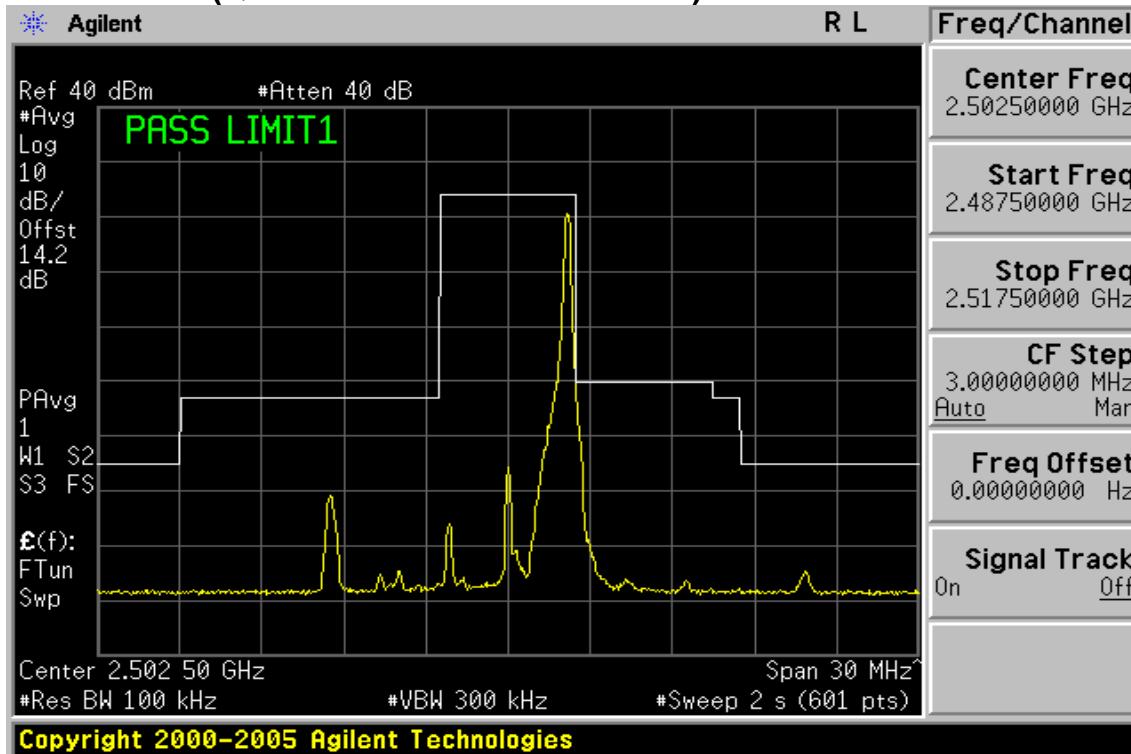
Emission Mask at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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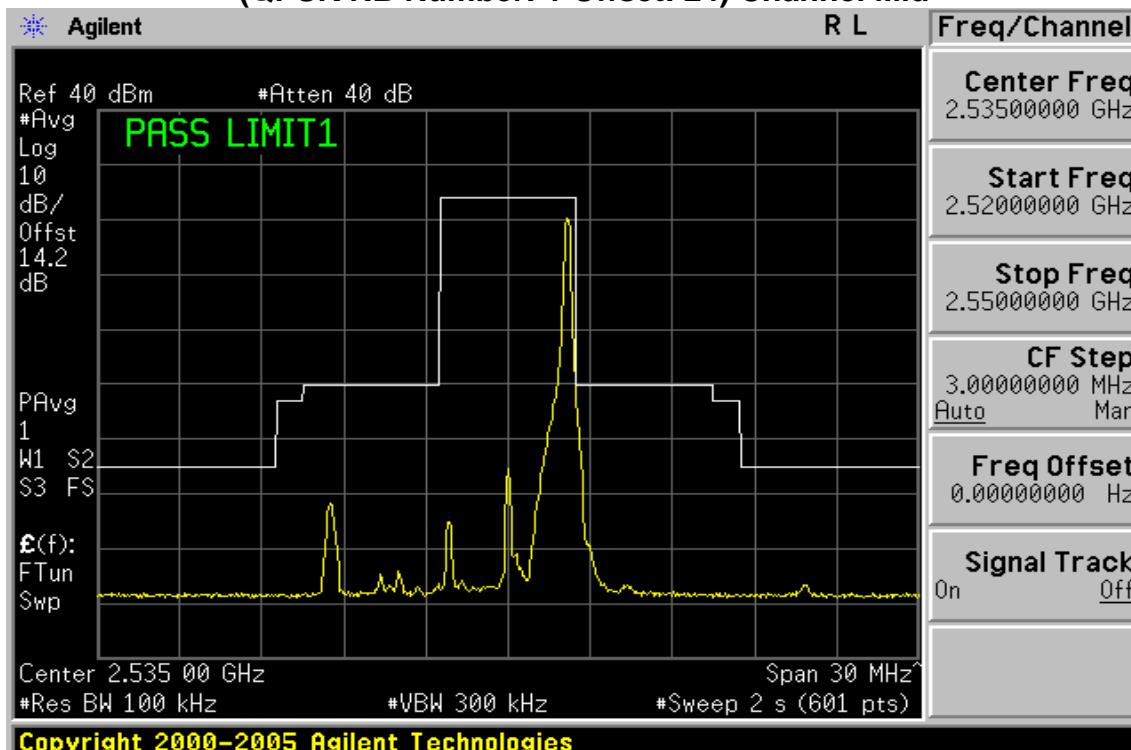
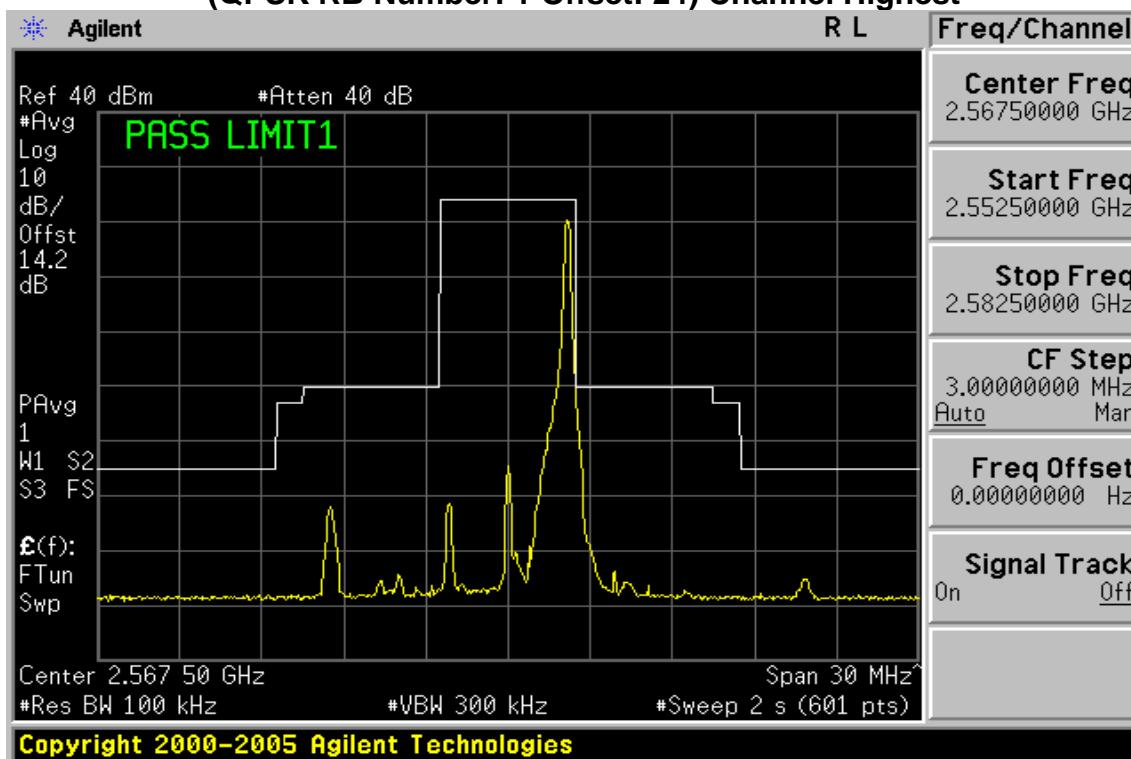
Emission Mask at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 24) Channel Lowest


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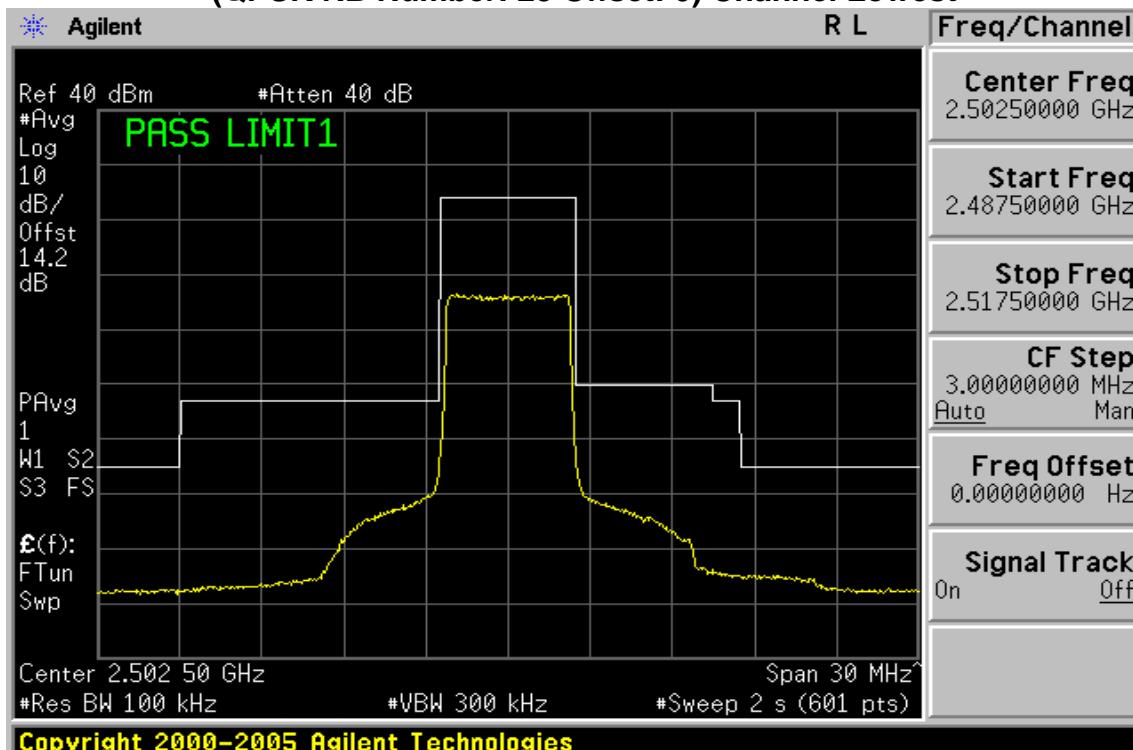
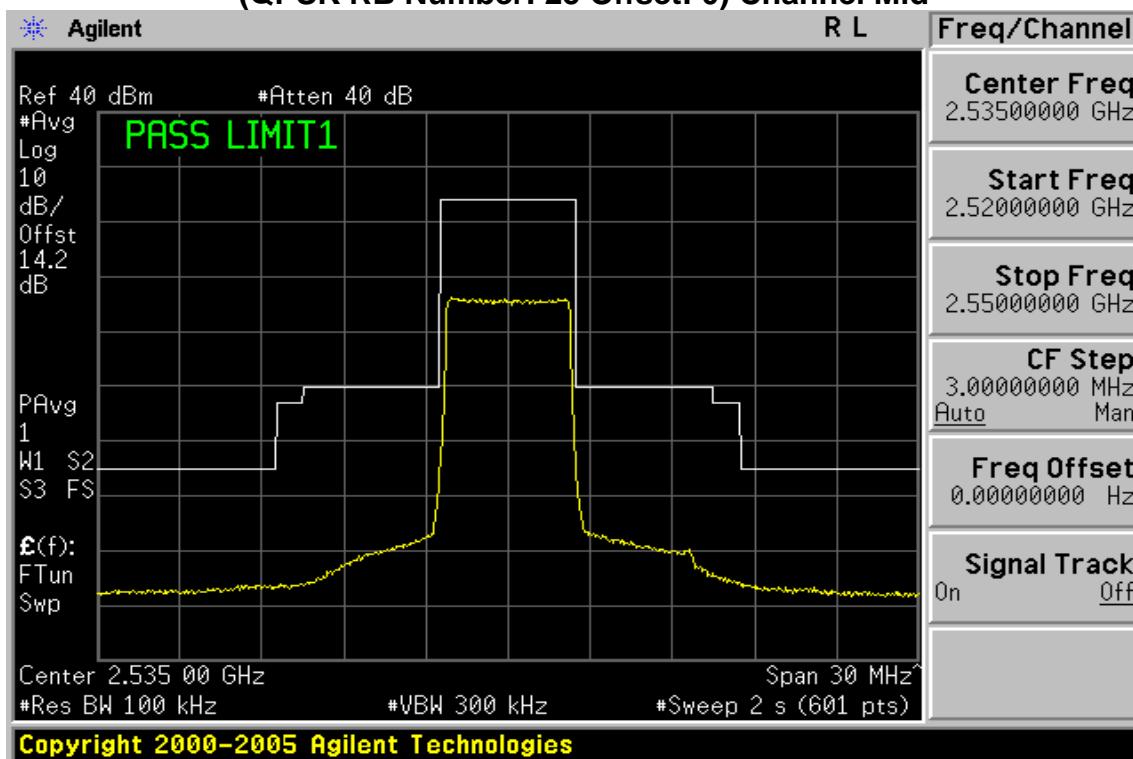
Emission Mask at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 24) Channel Mid

 Emission Mask at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 24) Channel Highest


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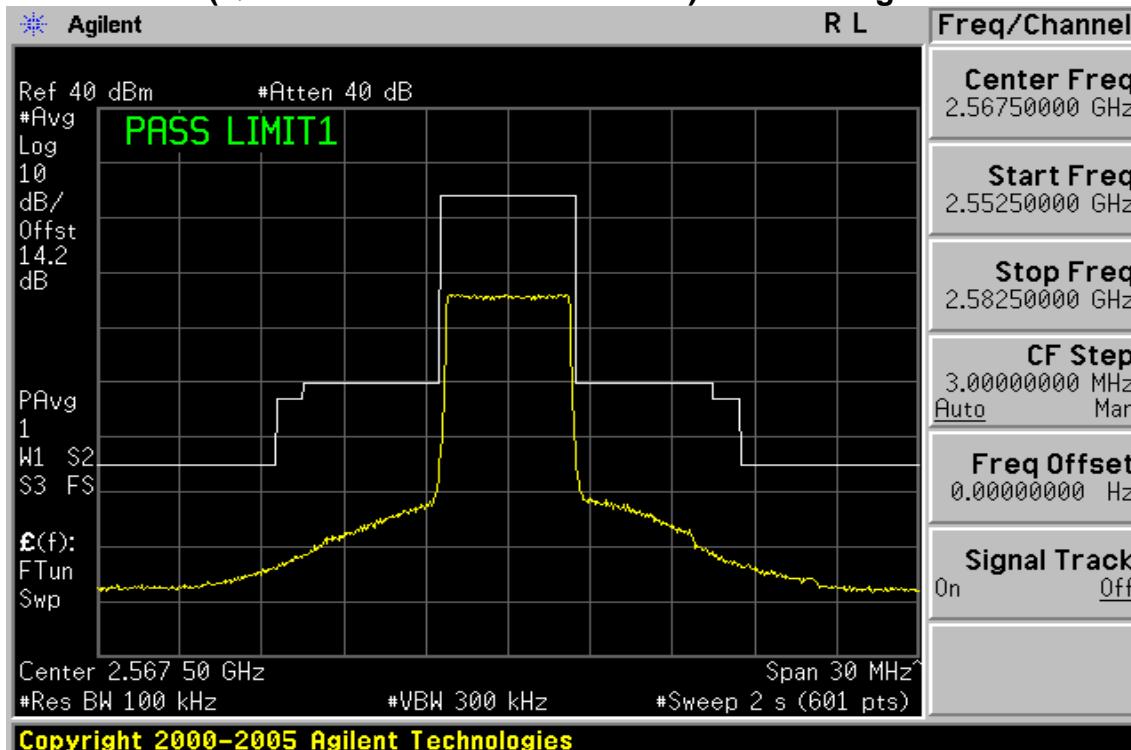
Emission Mask at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 25 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –5MHz BW LTE-Band 38  
 (QPSK RB Number: 25 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –5MHz BW LTE-Band 38  
(QPSK RB Number: 25 Offset: 0) Channel Highest**

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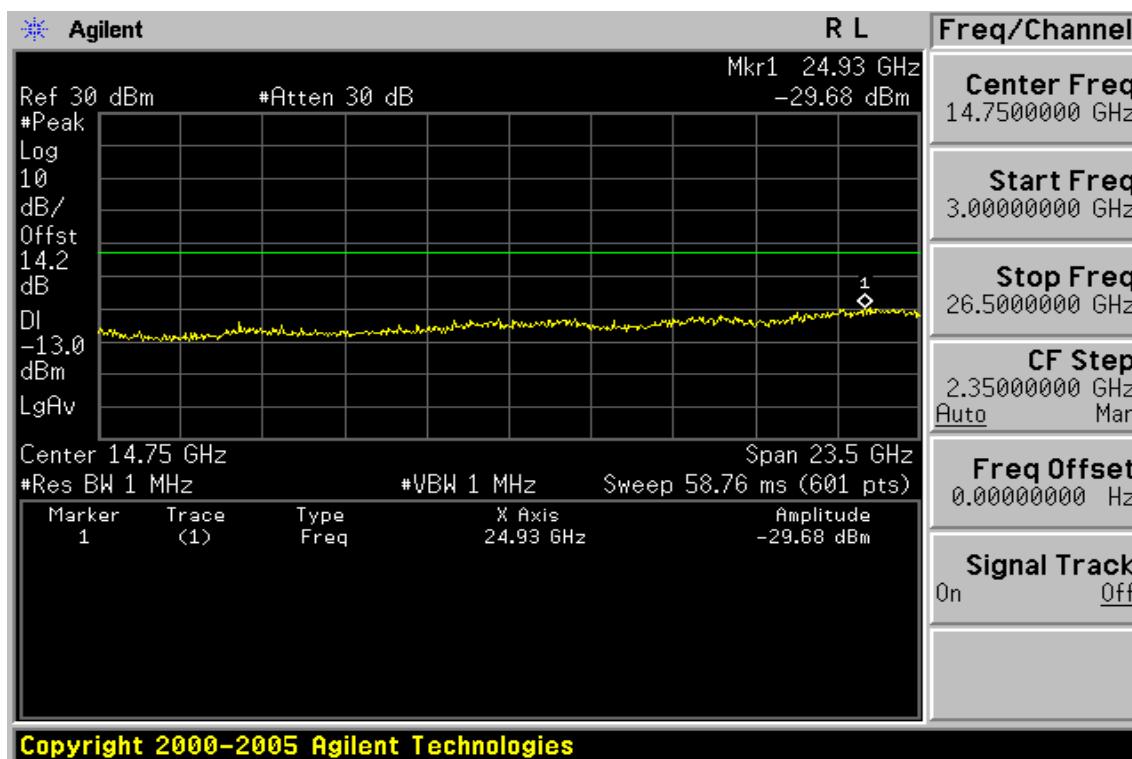
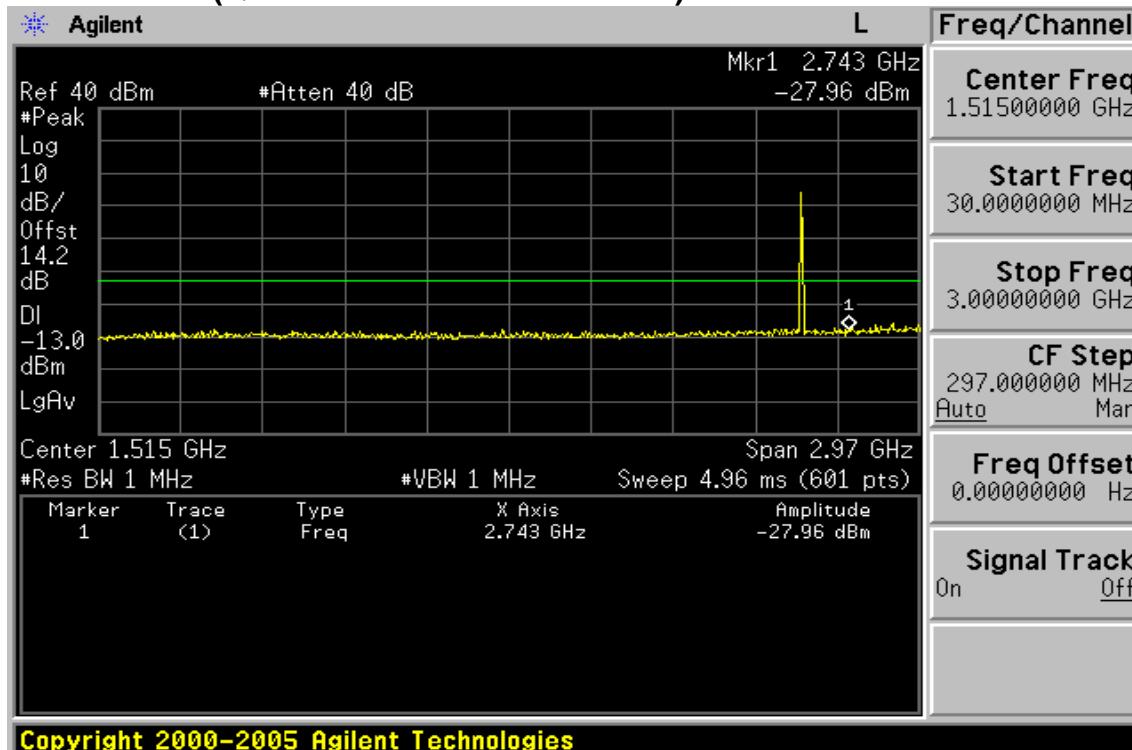
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**Out of Band emission at antenna terminals–10MHz BW LTE-Band 38  
(QPSK RB Number: 1 Offset: 0) Channel Lowest**

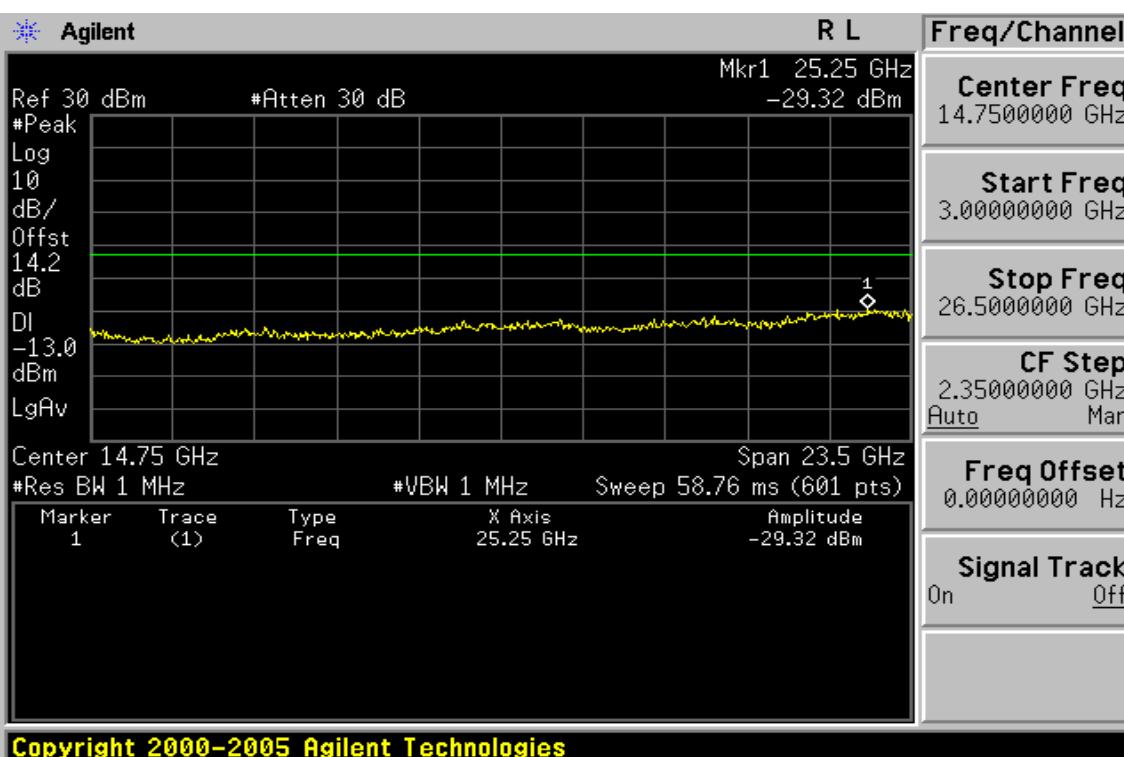
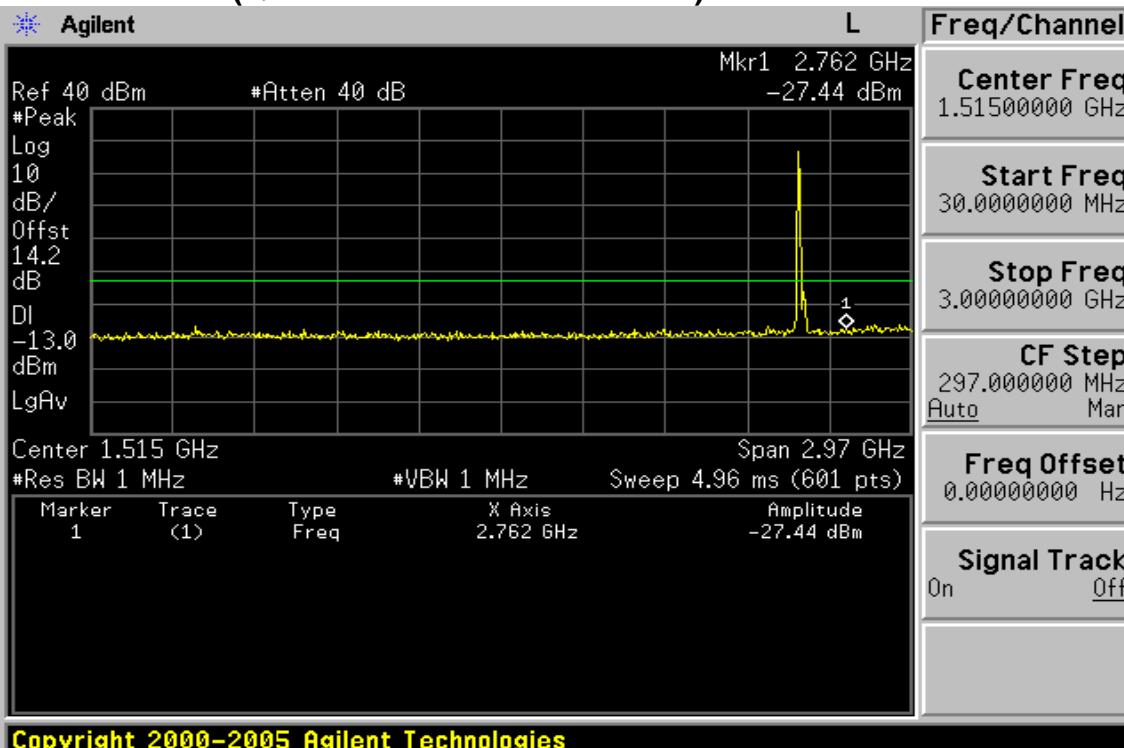


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Out of Band emission at antenna terminals–10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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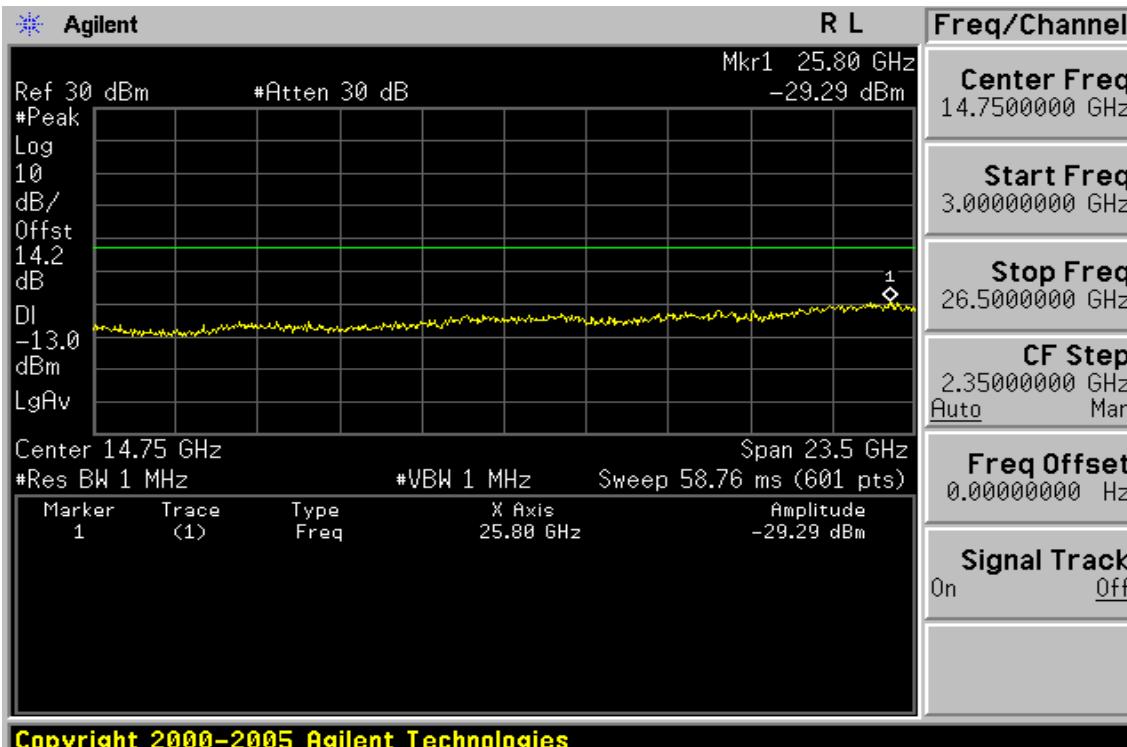
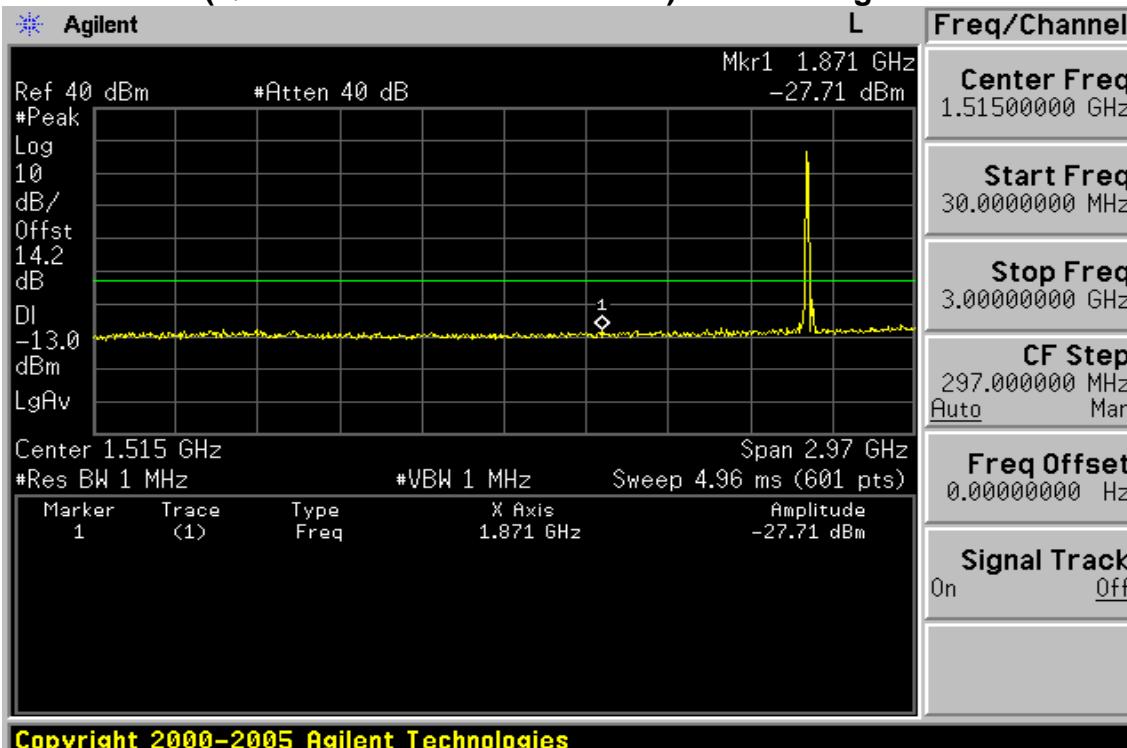
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Out of Band emission at antenna terminals–10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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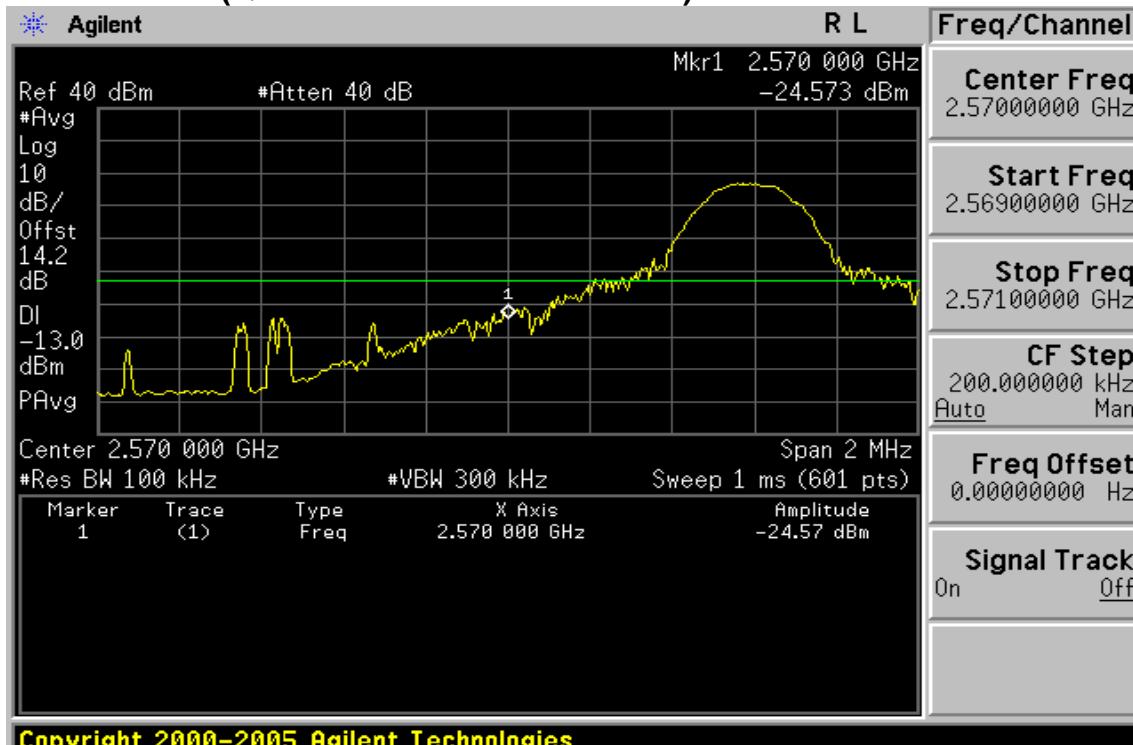
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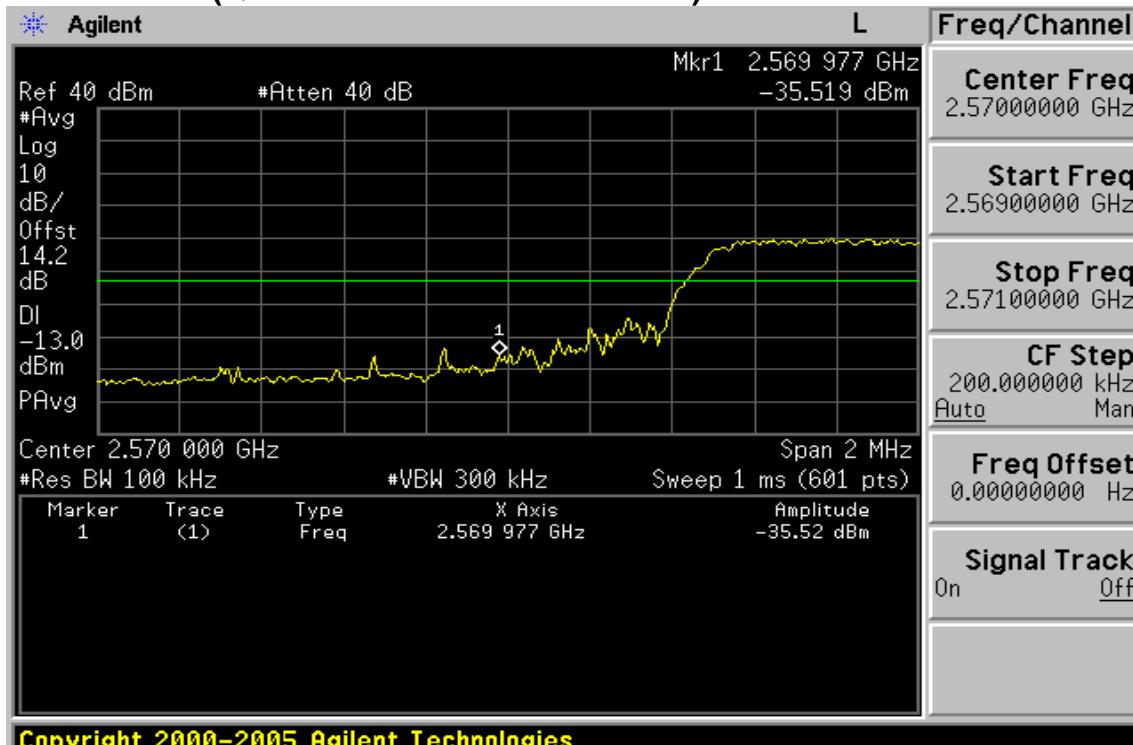
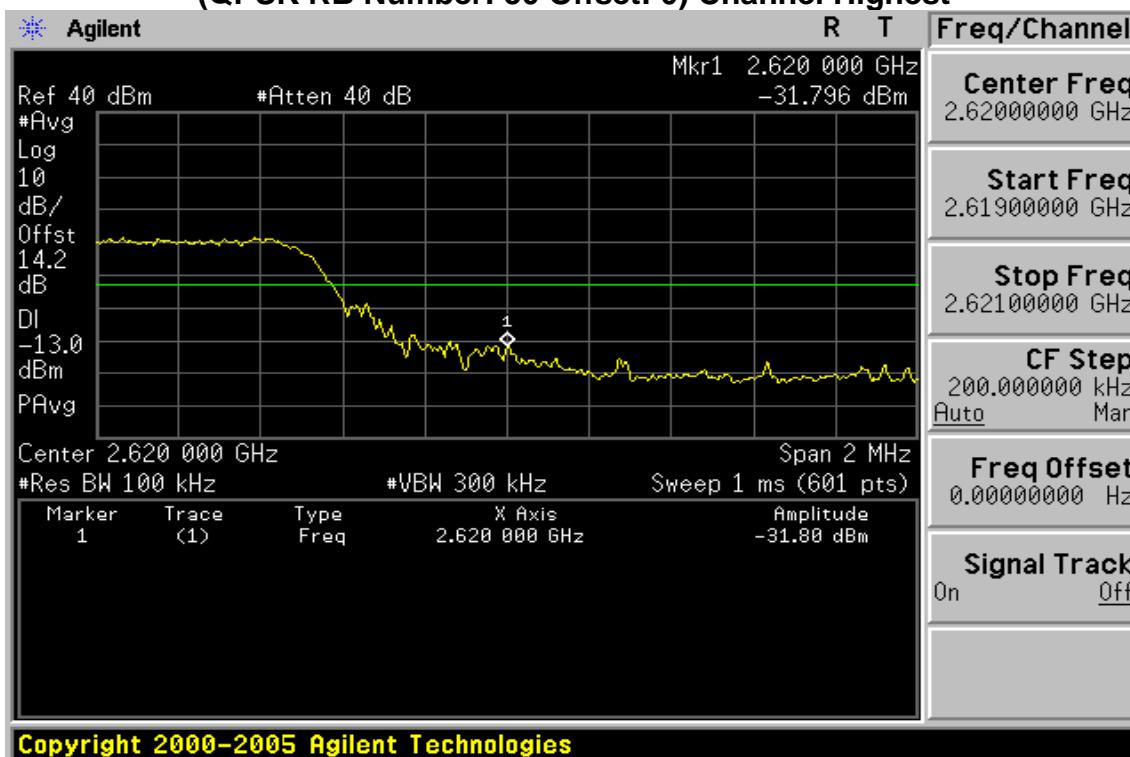
Band edge emission at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 49) Channel Highest


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Band edge emission at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 50 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 50 Offset: 0) Channel Highest


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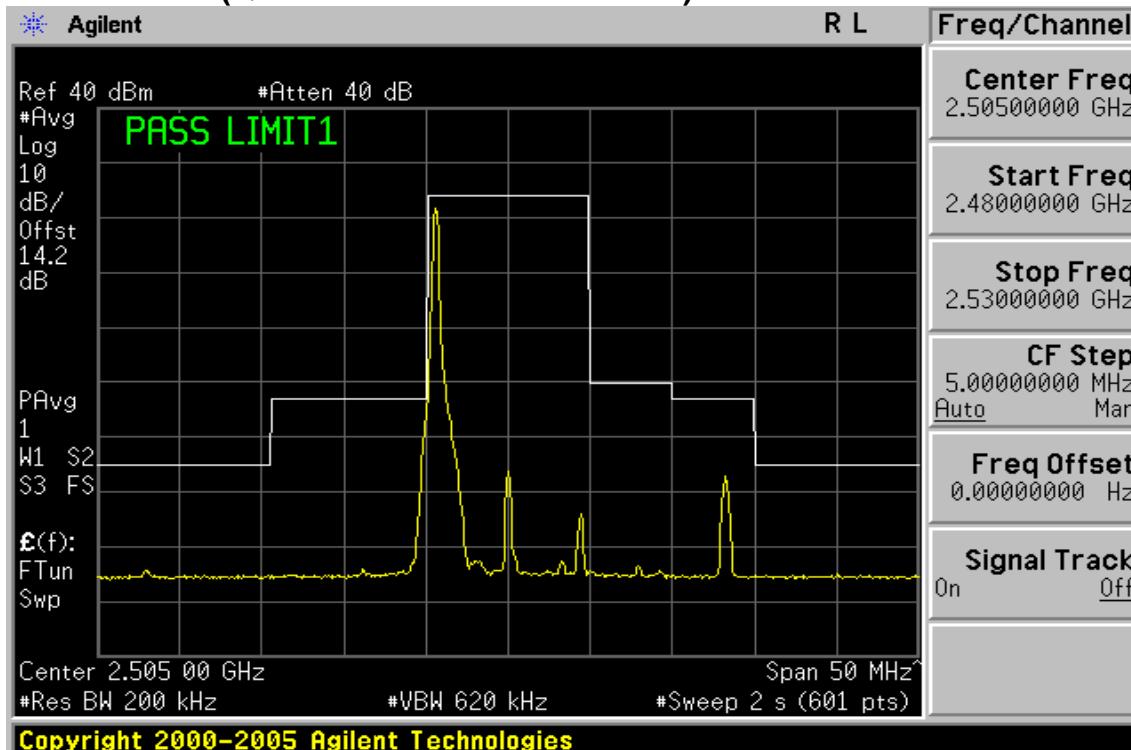
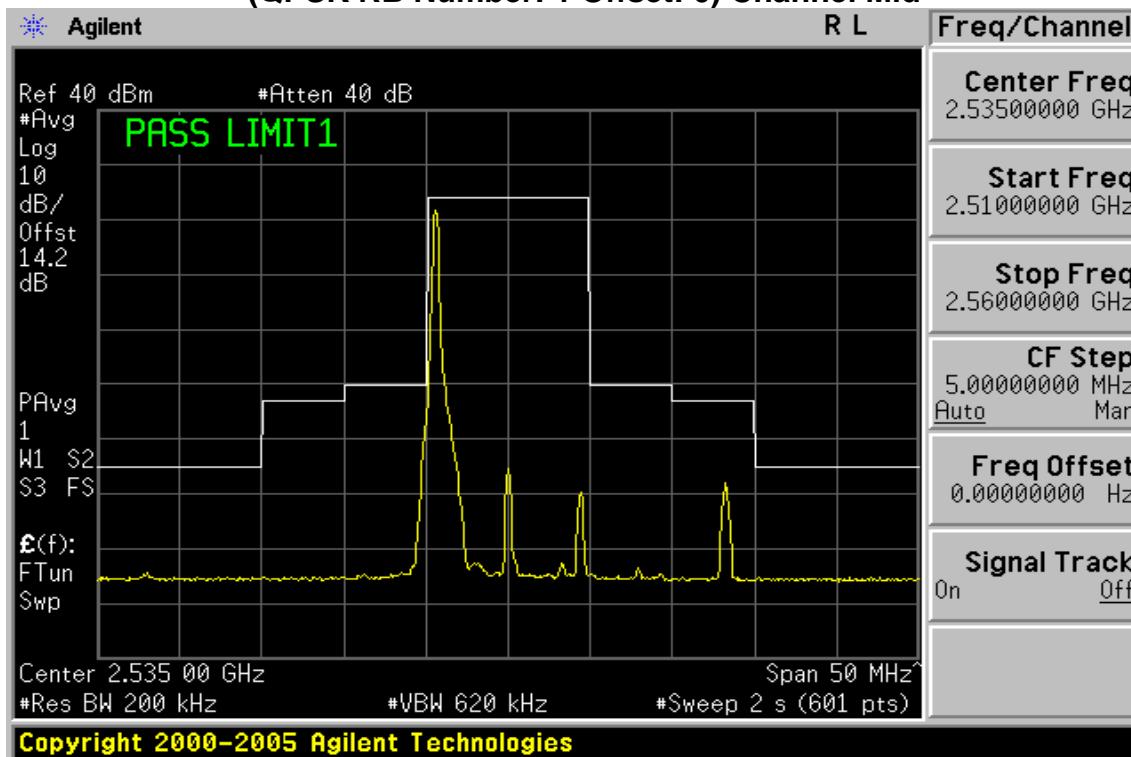
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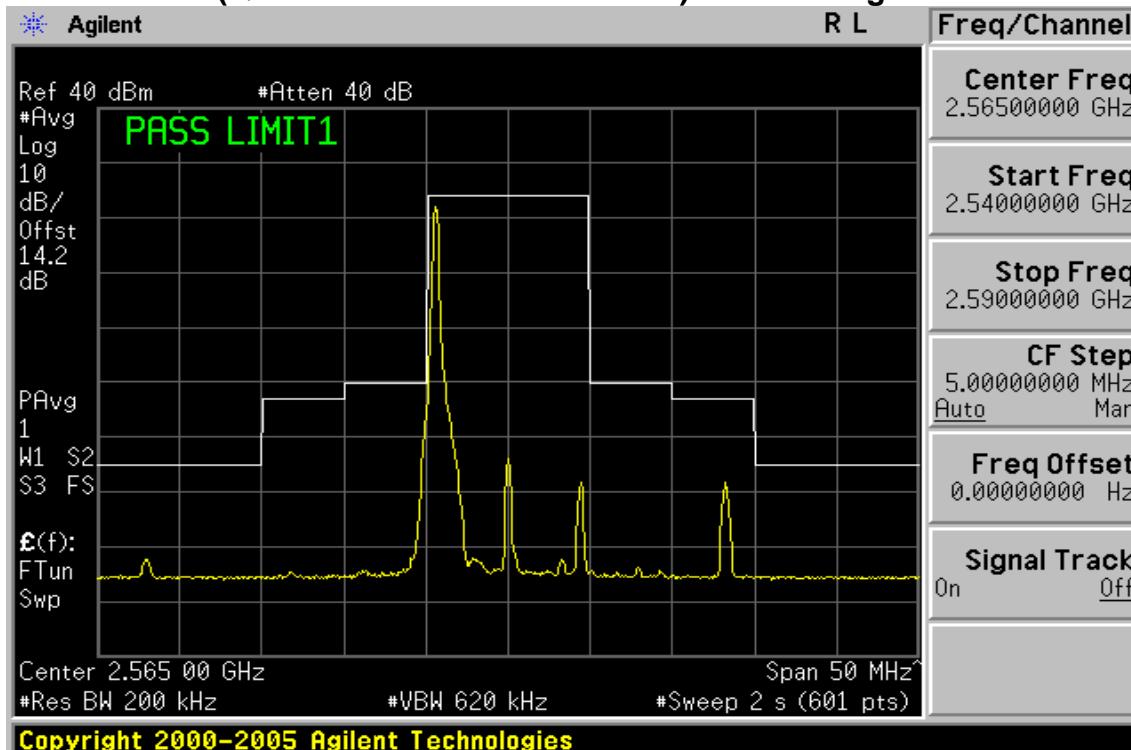
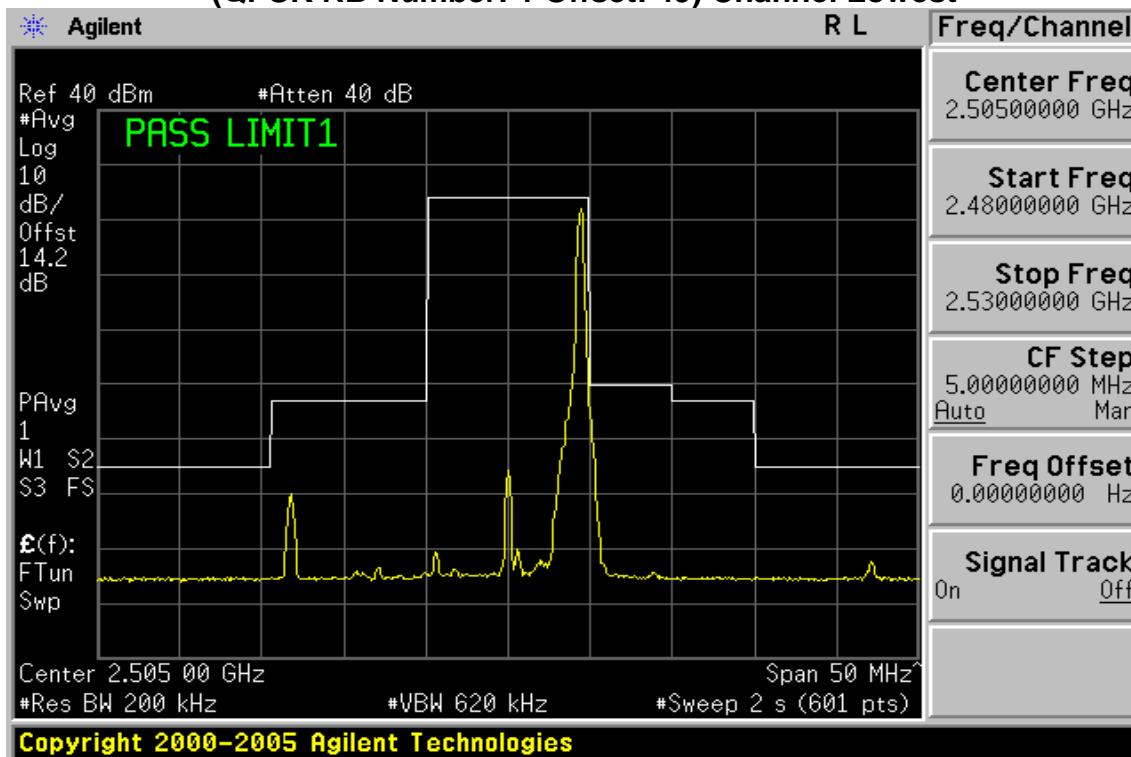
Emission Mask at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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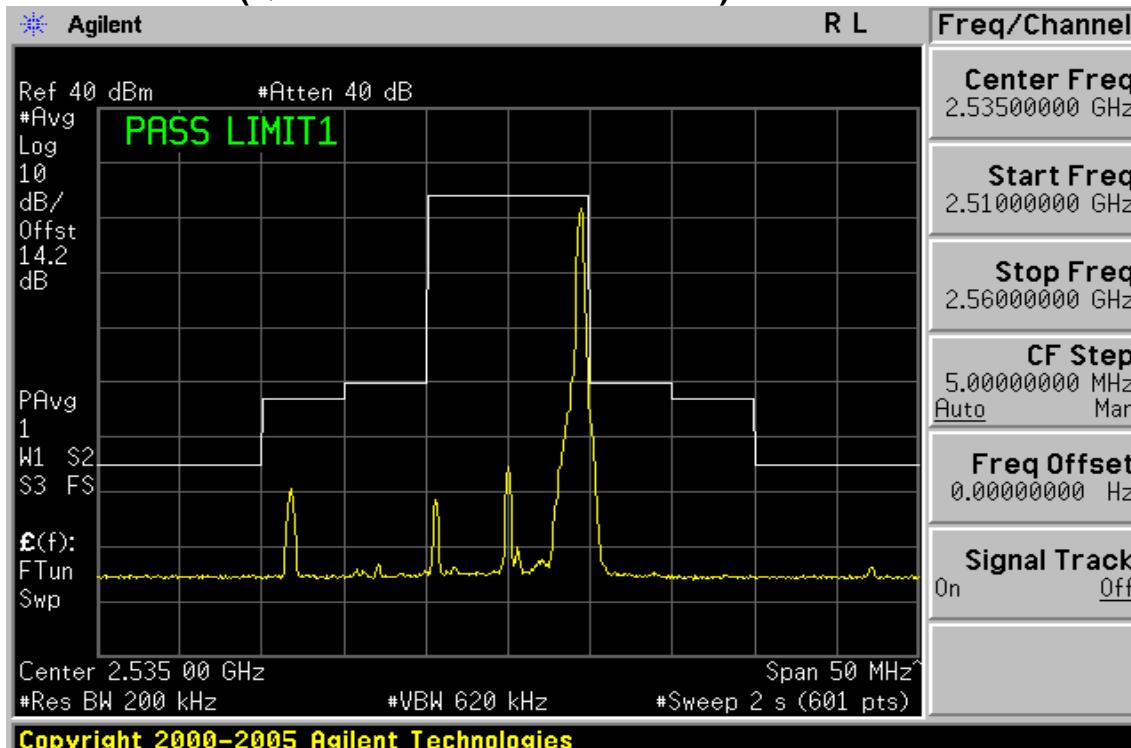
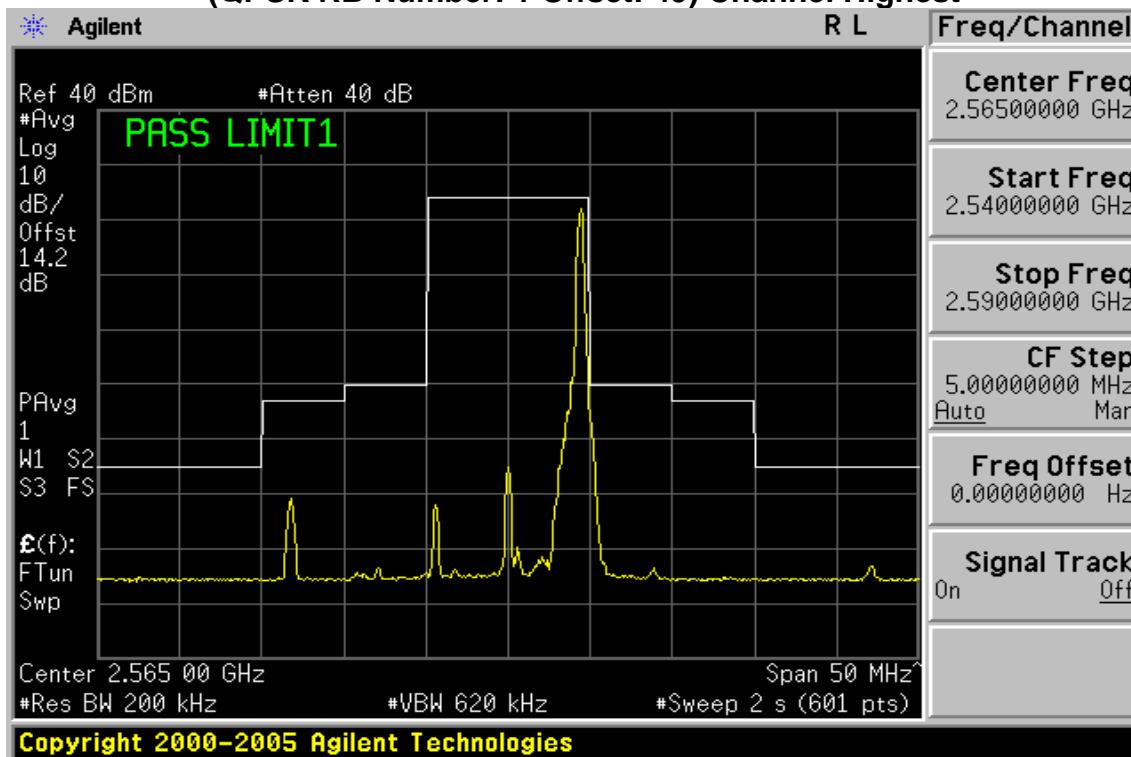
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Emission Mask at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 49) Channel Lowest


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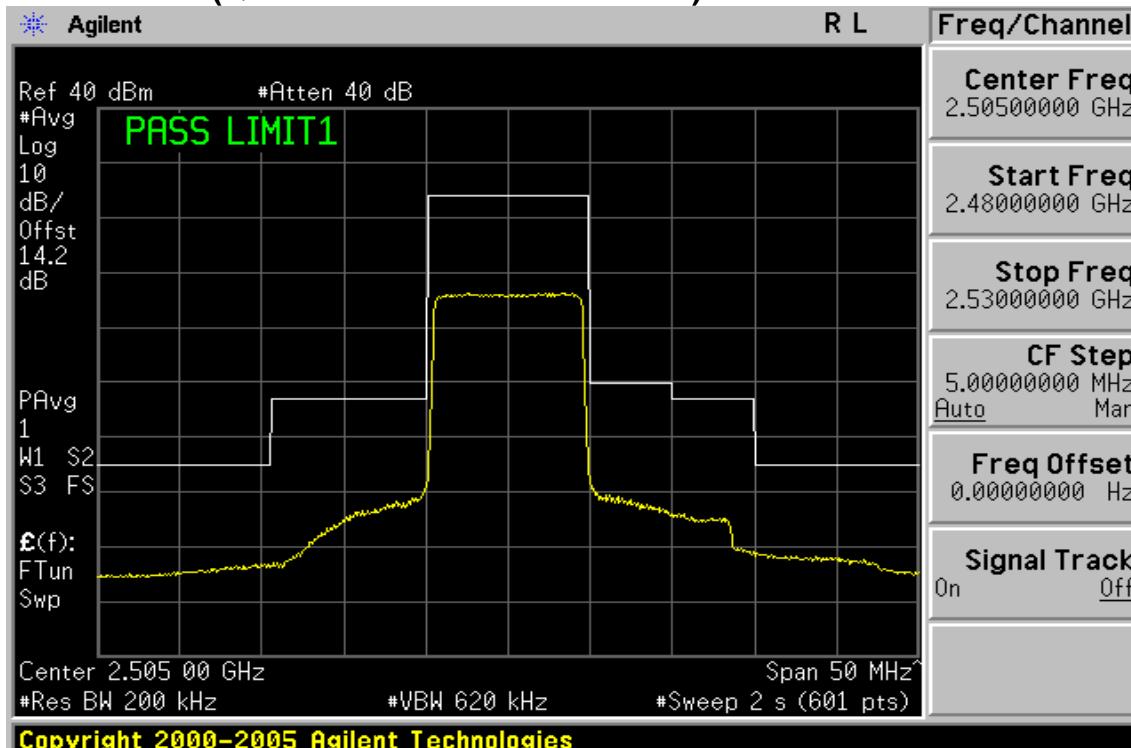
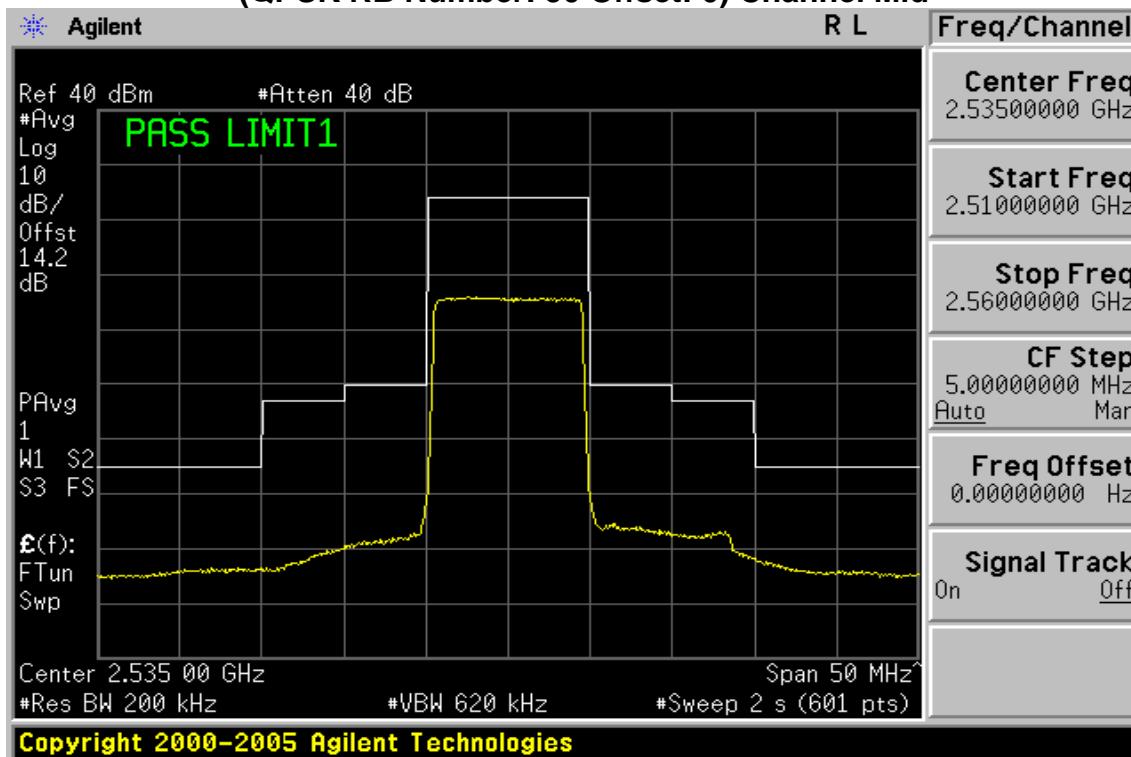
Emission Mask at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 49) Channel Mid

 Emission Mask at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 49) Channel Highest


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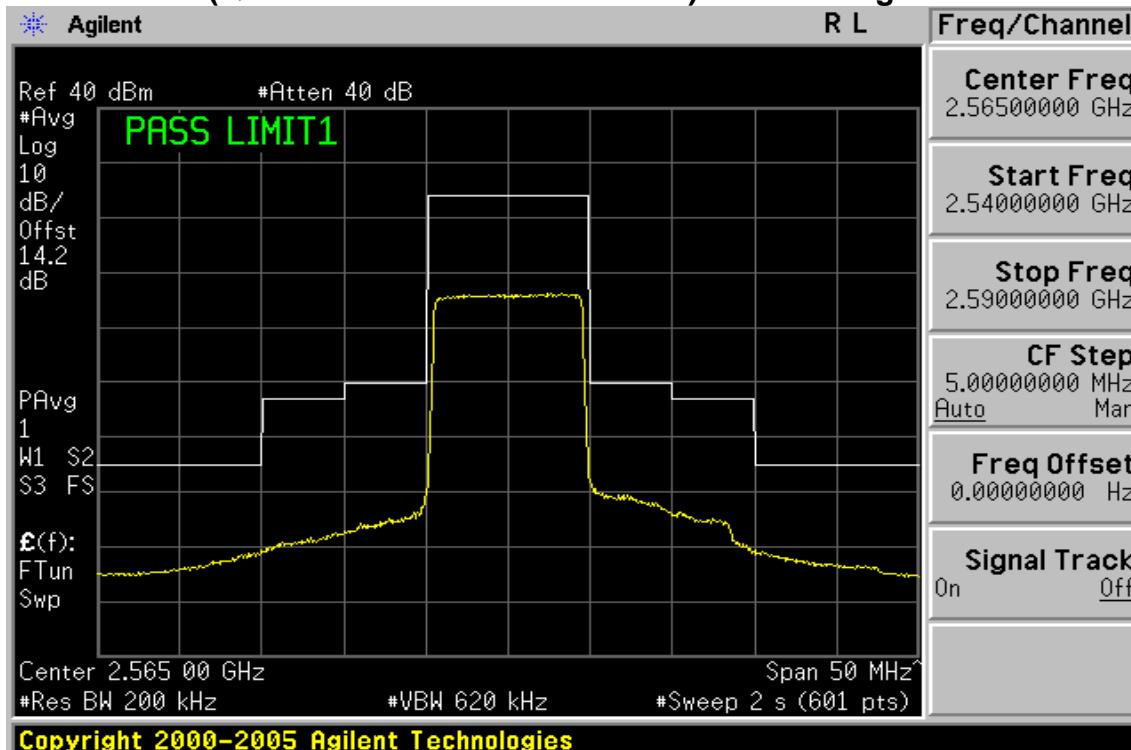
Emission Mask at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 50 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –10MHz BW LTE-Band 38  
 (QPSK RB Number: 50 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –10MHz BW LTE-Band 38  
(QPSK RB Number: 50 Offset: 0) Channel Highest**

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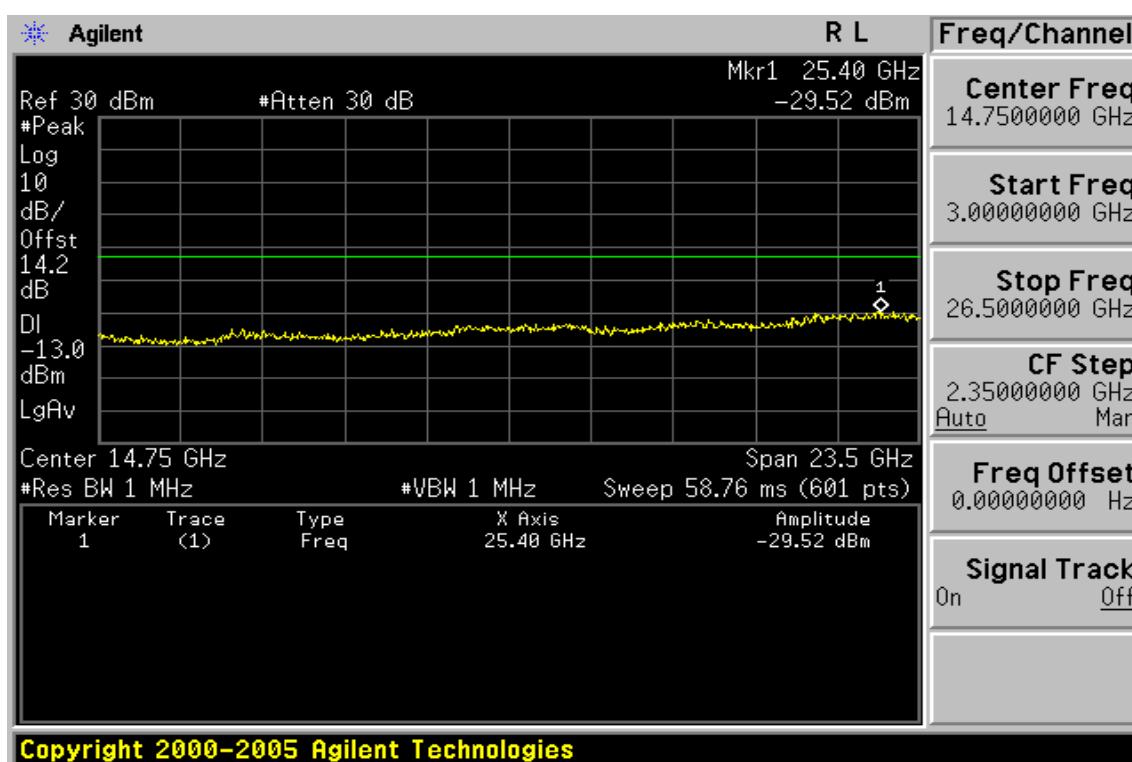
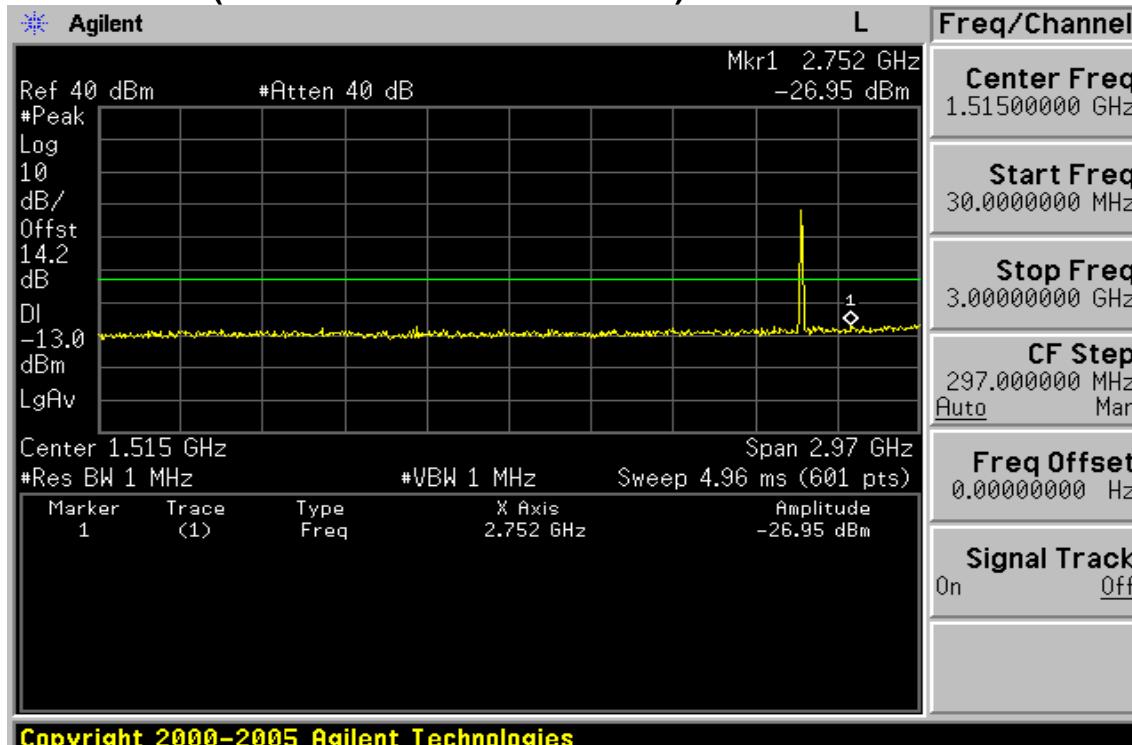
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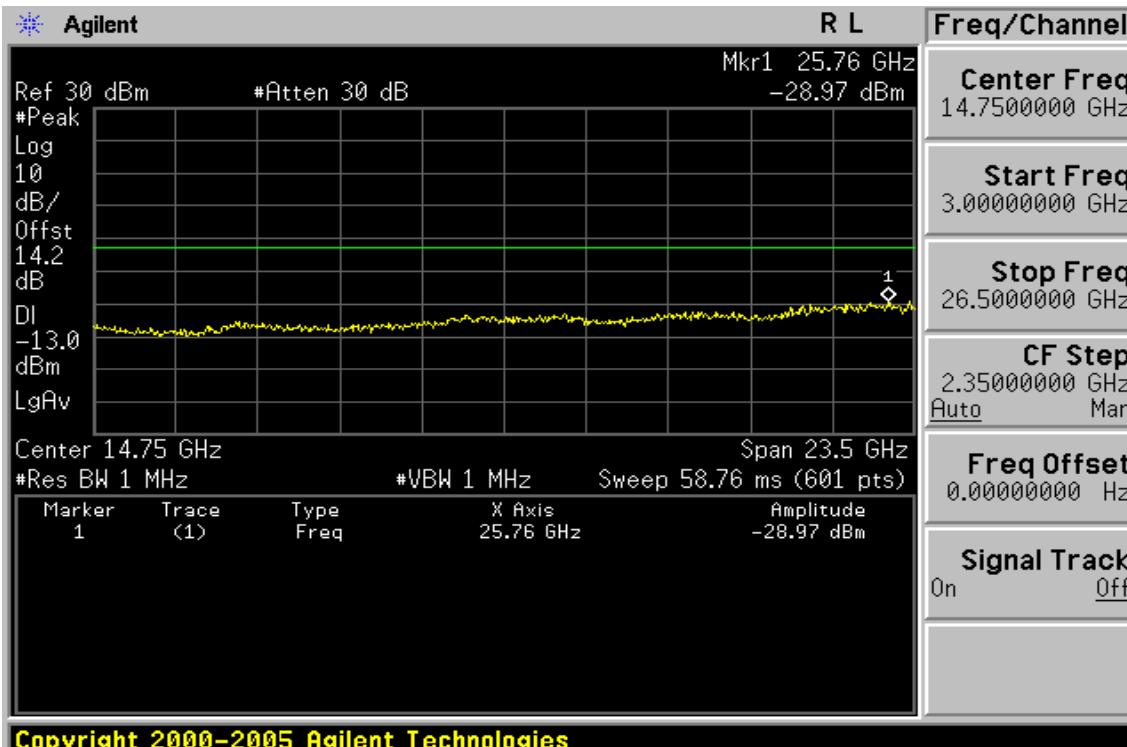
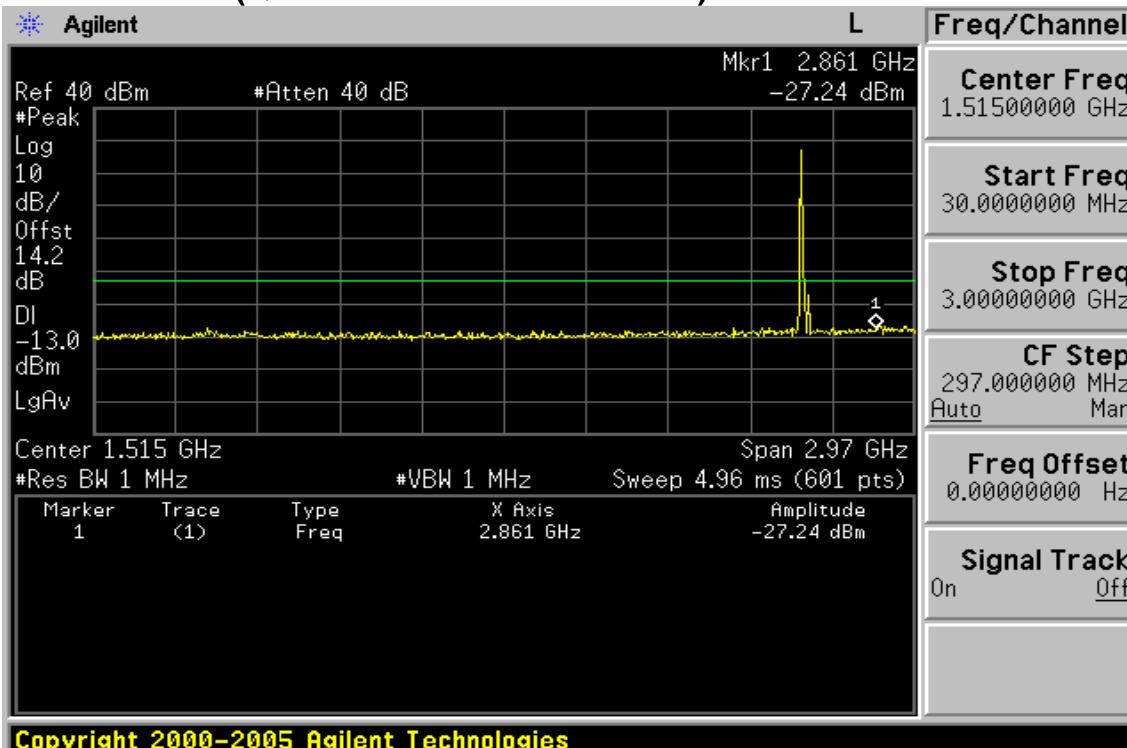
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Out of Band emission at antenna terminals—15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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Out of Band emission at antenna terminals–15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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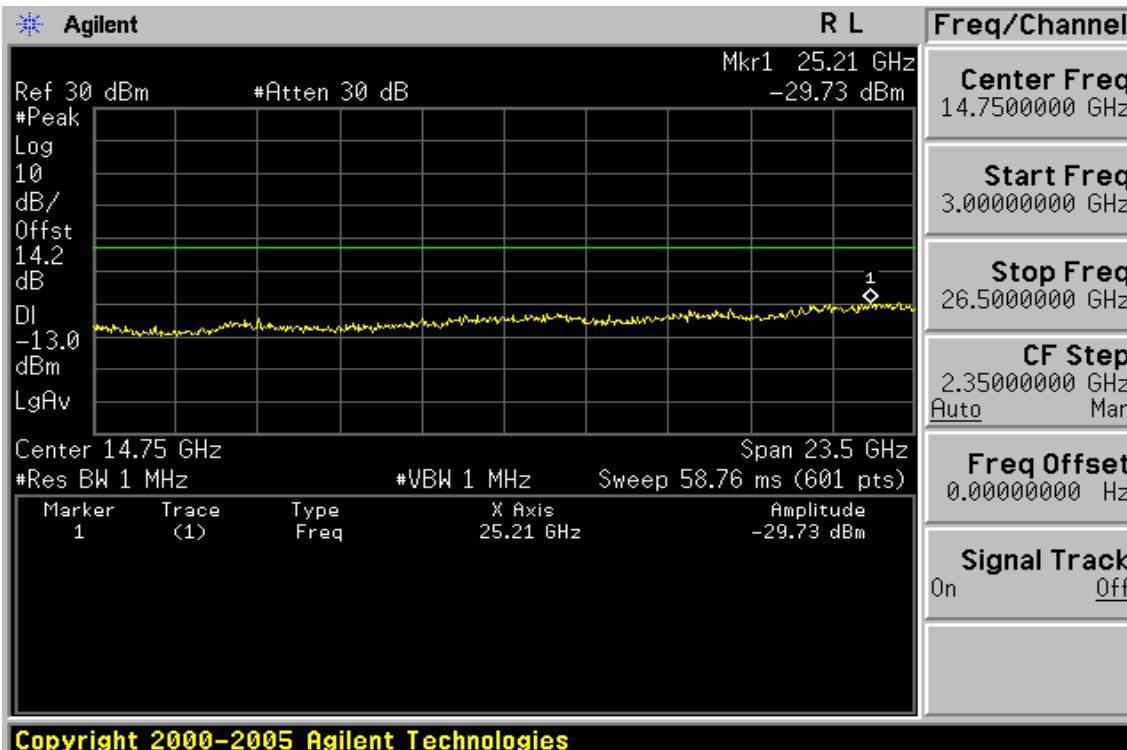
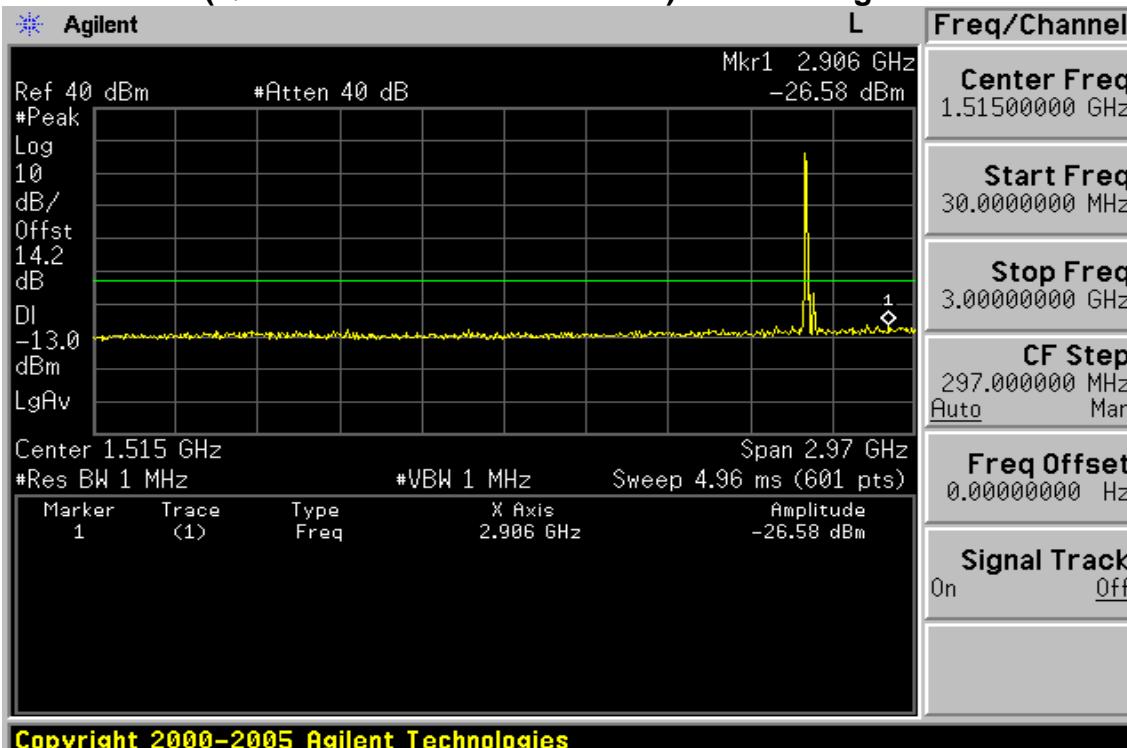
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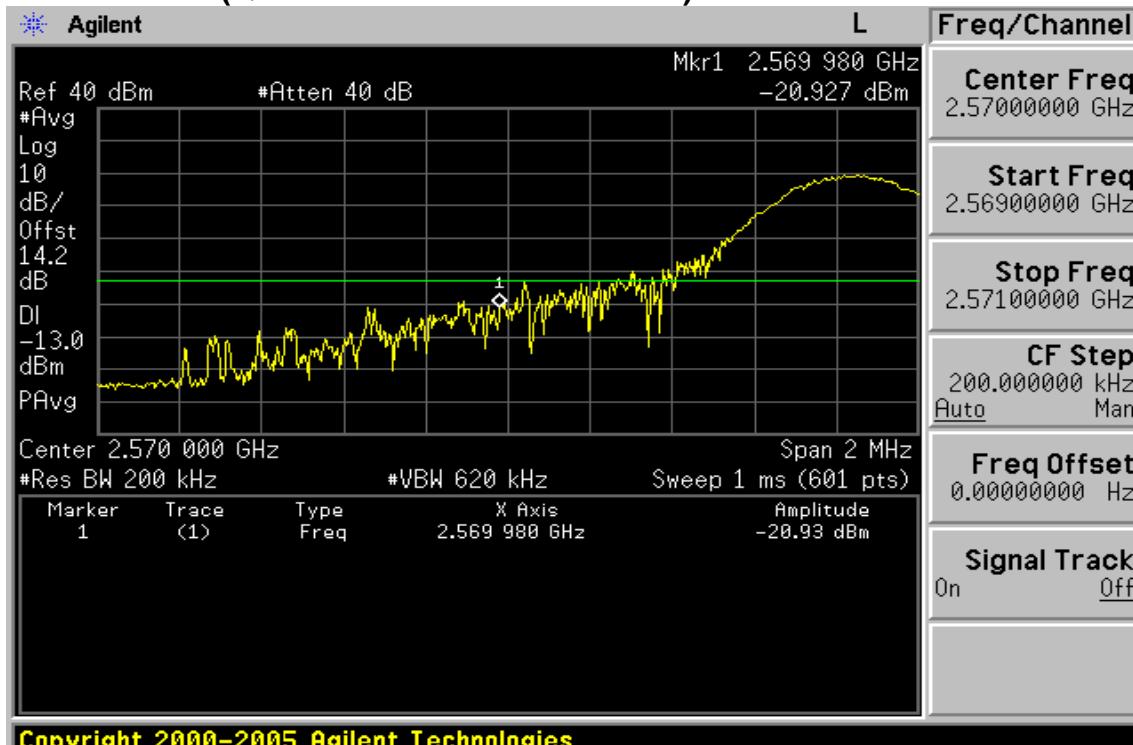
Out of Band emission at antenna terminals–15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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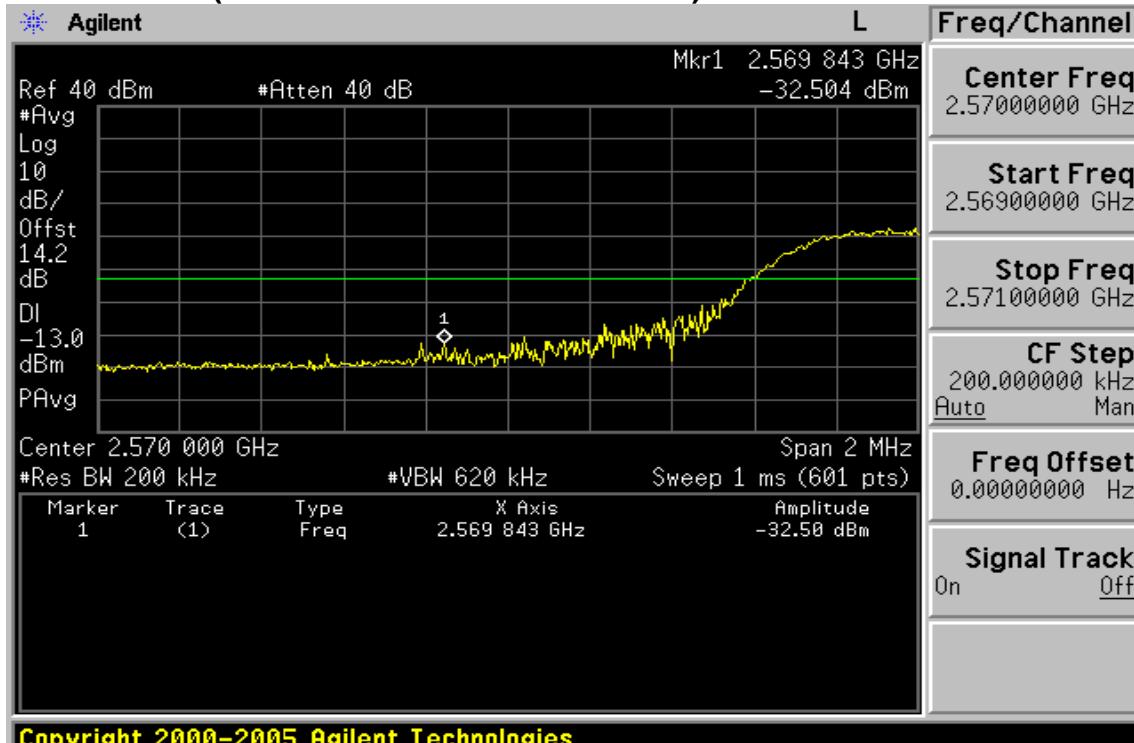
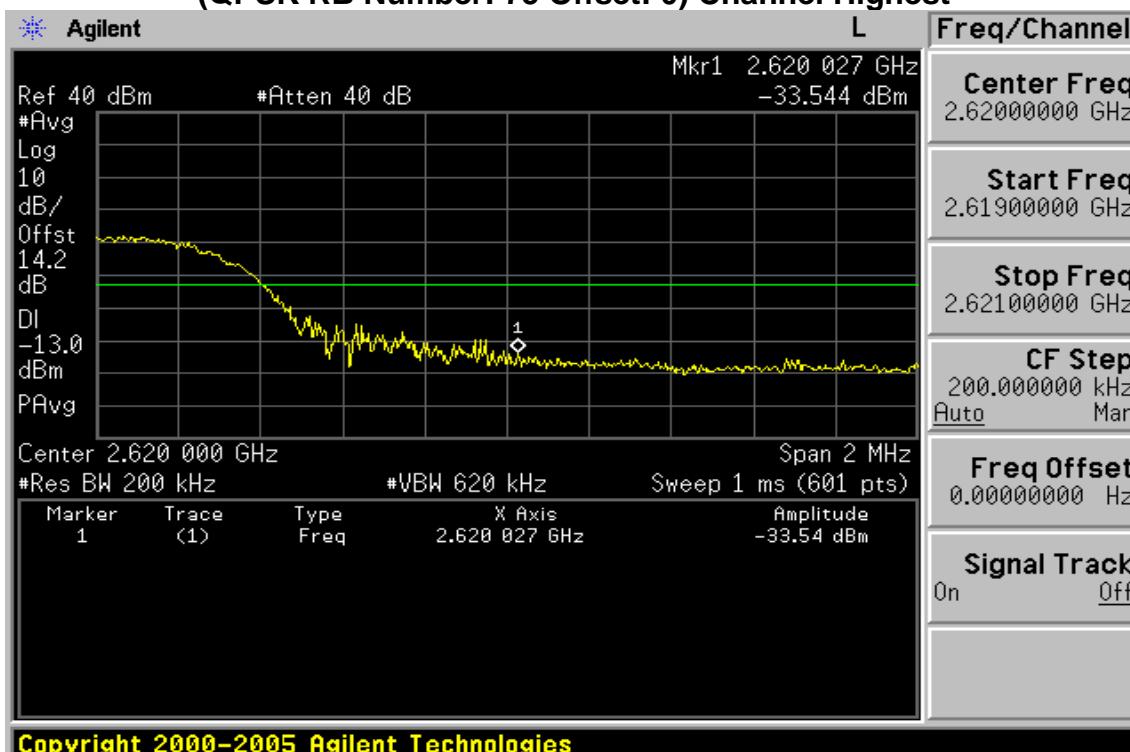
Band edge emission at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 74) Channel Highest


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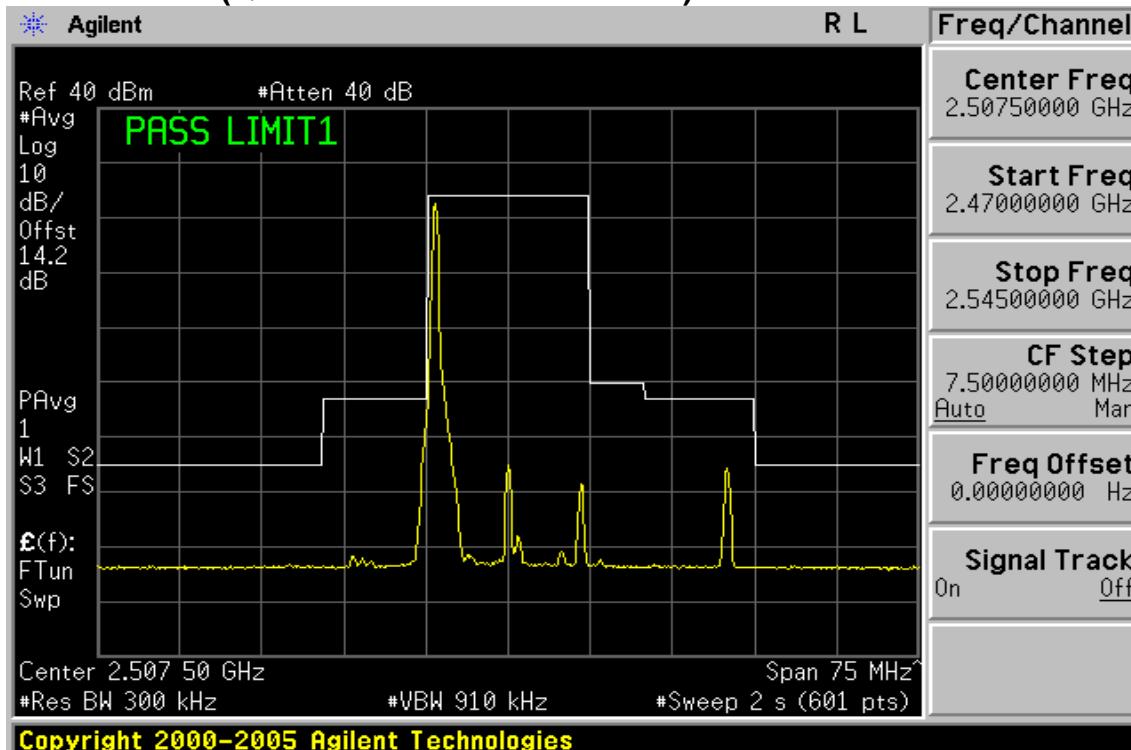
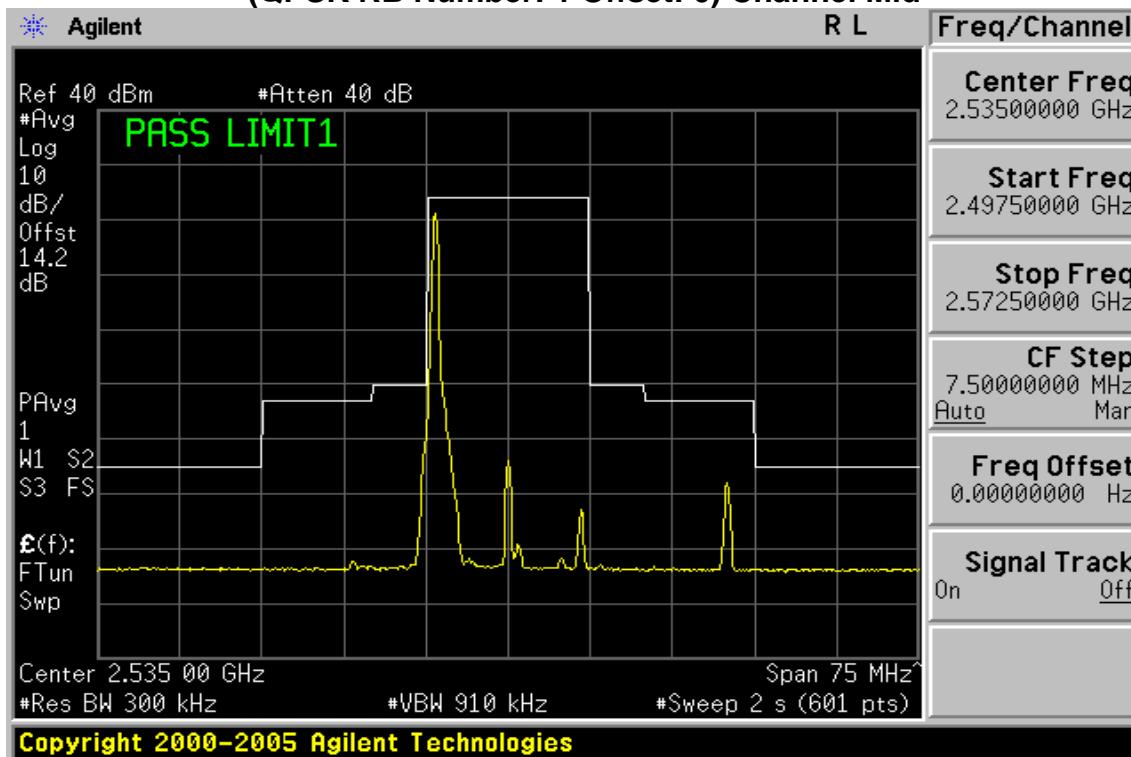
Band edge emission at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 75 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 75 Offset: 0) Channel Highest


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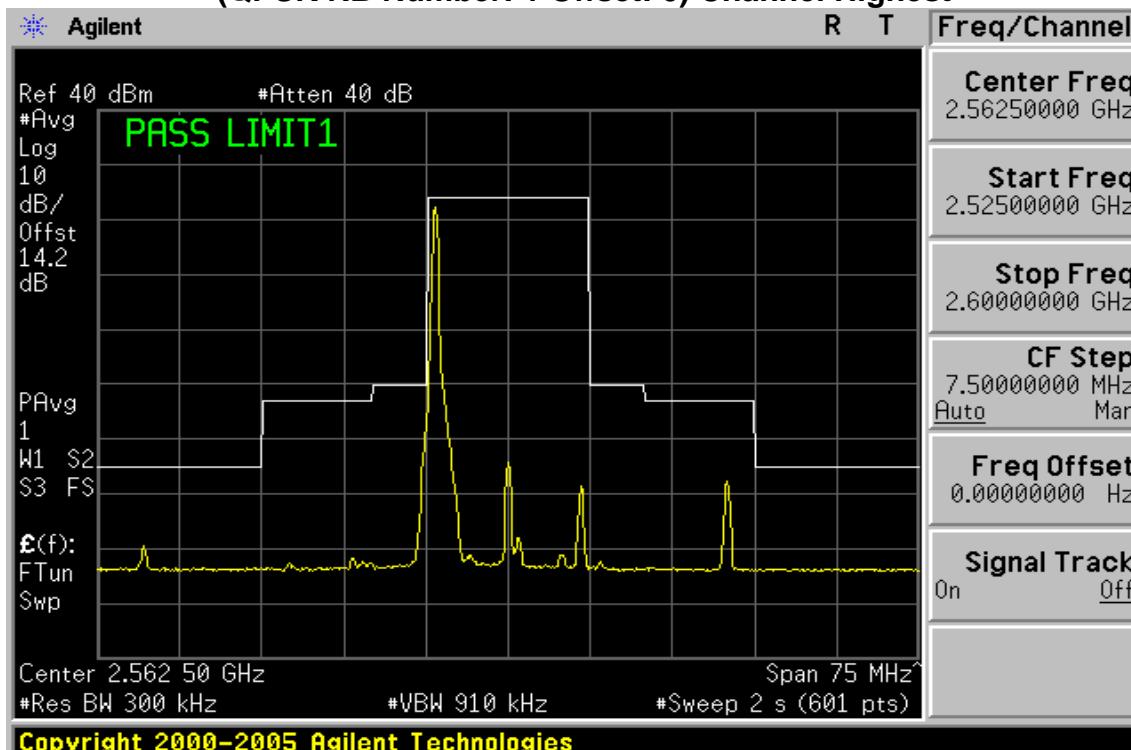
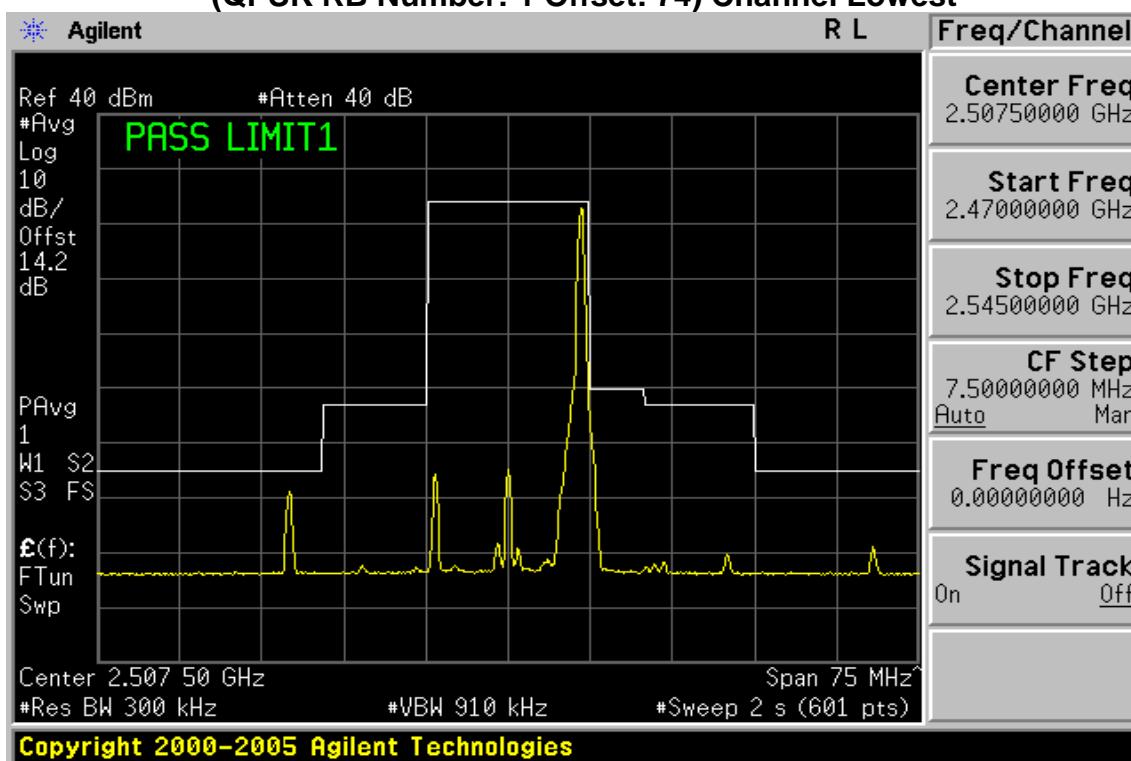
Emission Mask at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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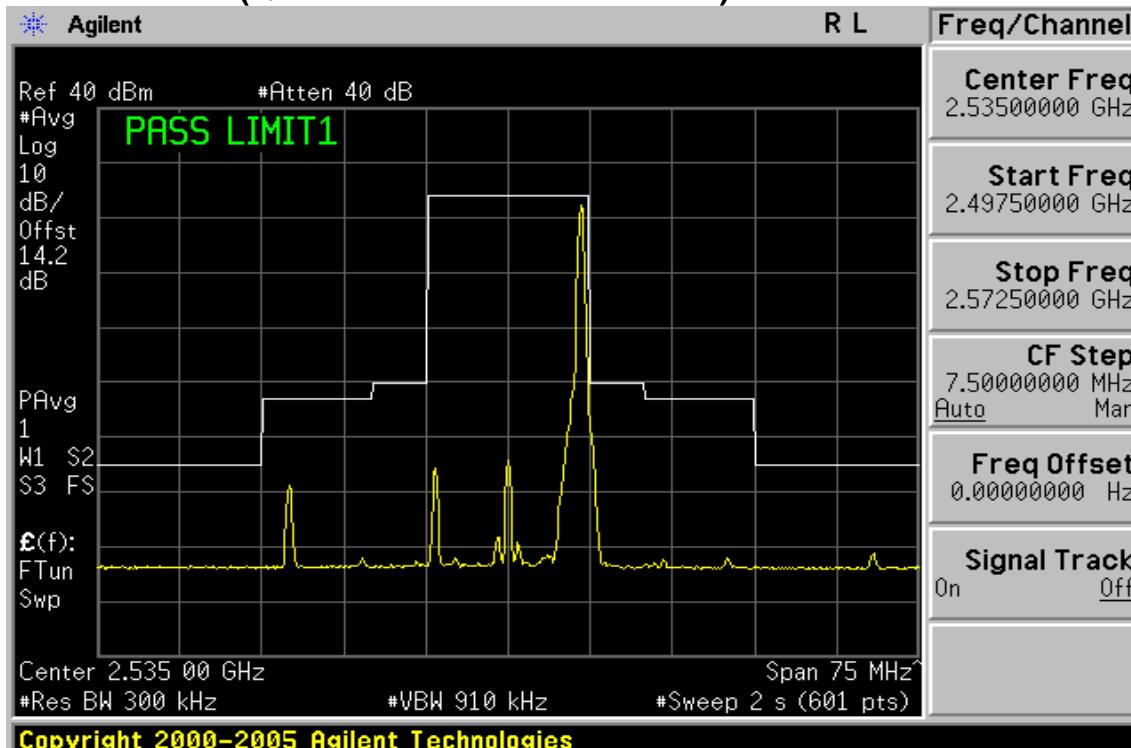
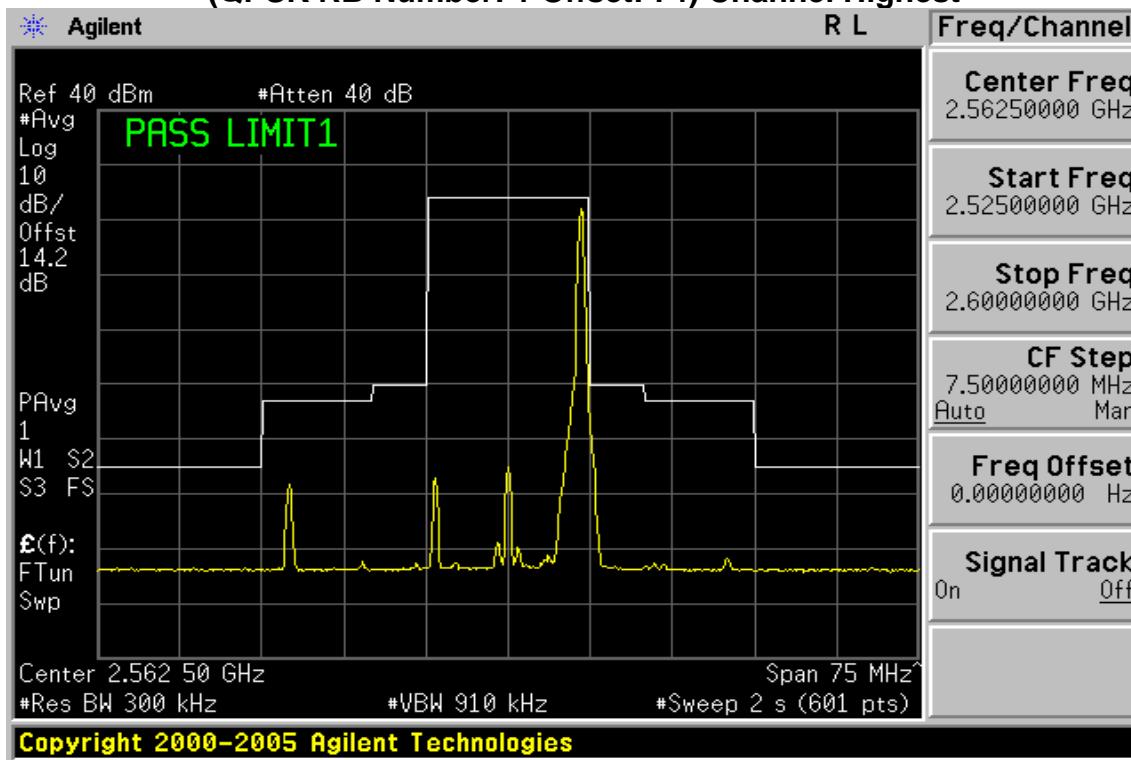
Emission Mask at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 74) Channel Lowest


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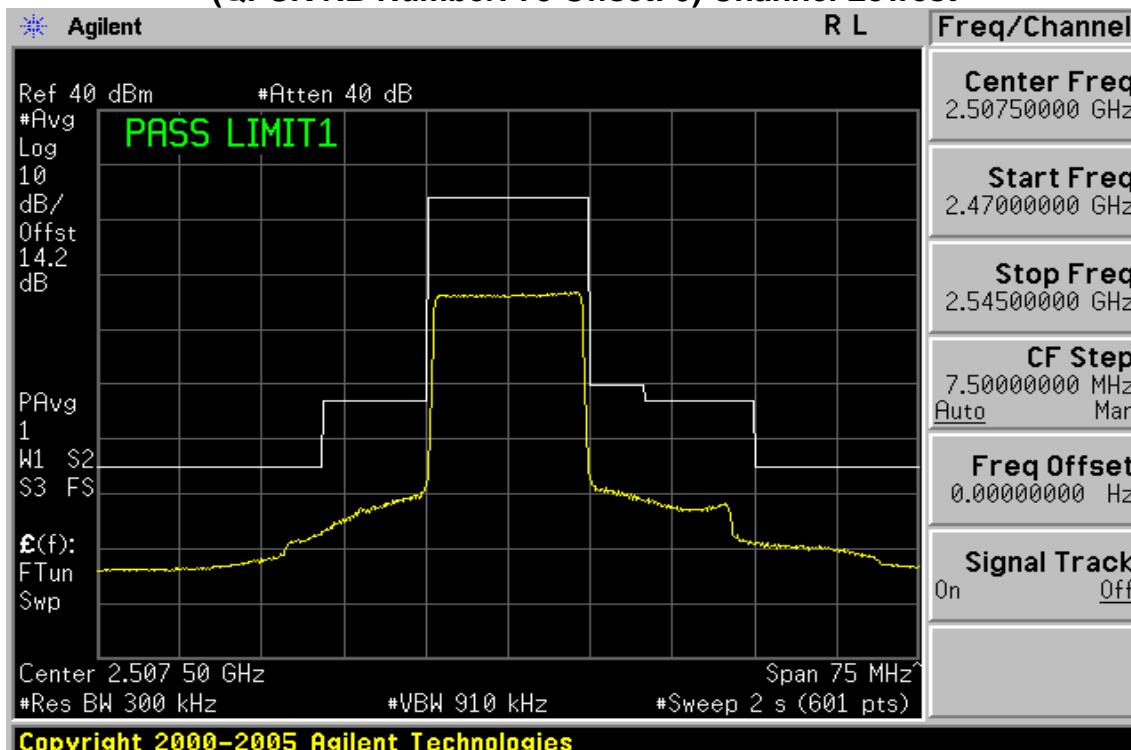
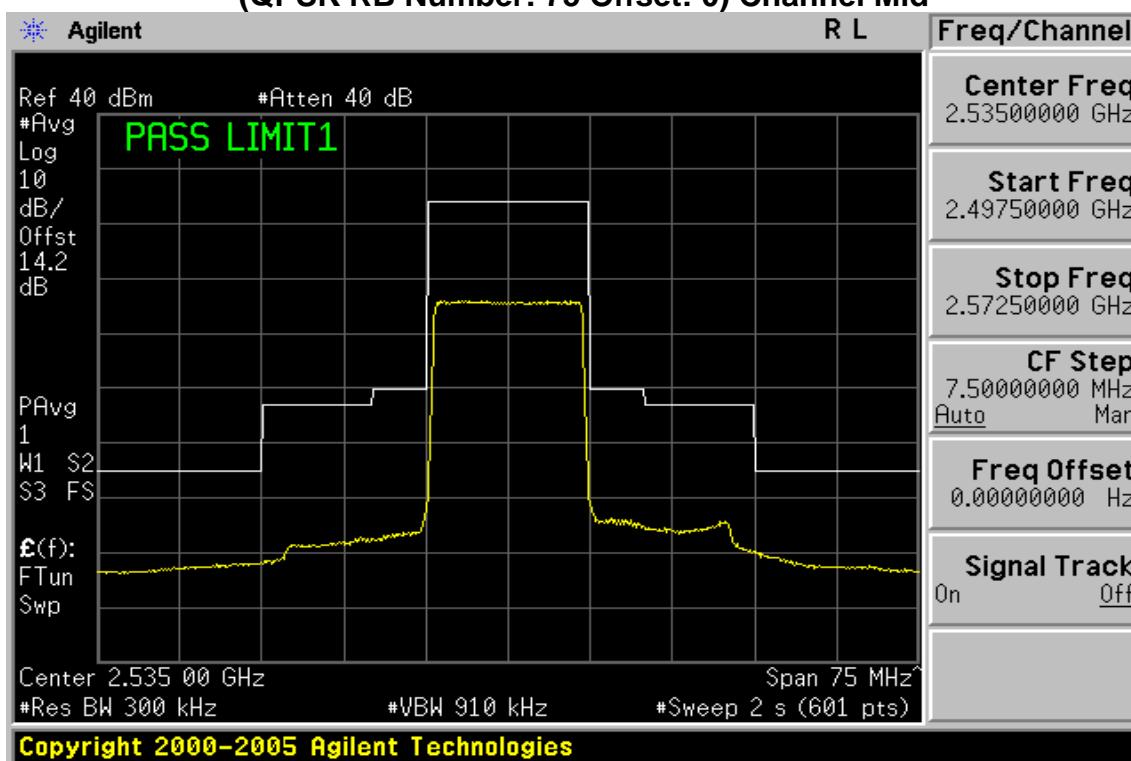
Emission Mask at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 74) Channel Mid

 Emission Mask at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 74) Channel Highest


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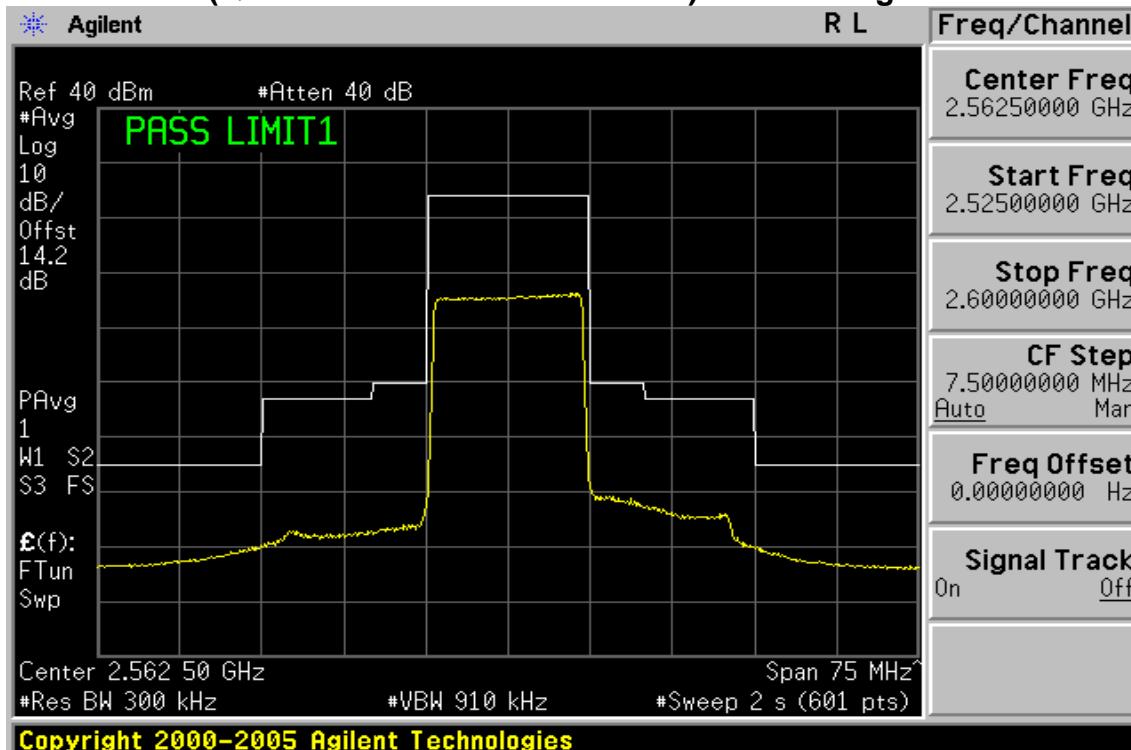
Emission Mask at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 75 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –15MHz BW LTE-Band 38  
 (QPSK RB Number: 75 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –15MHz BW LTE-Band 38  
(QPSK RB Number: 75 Offset: 0) Channel Highest**

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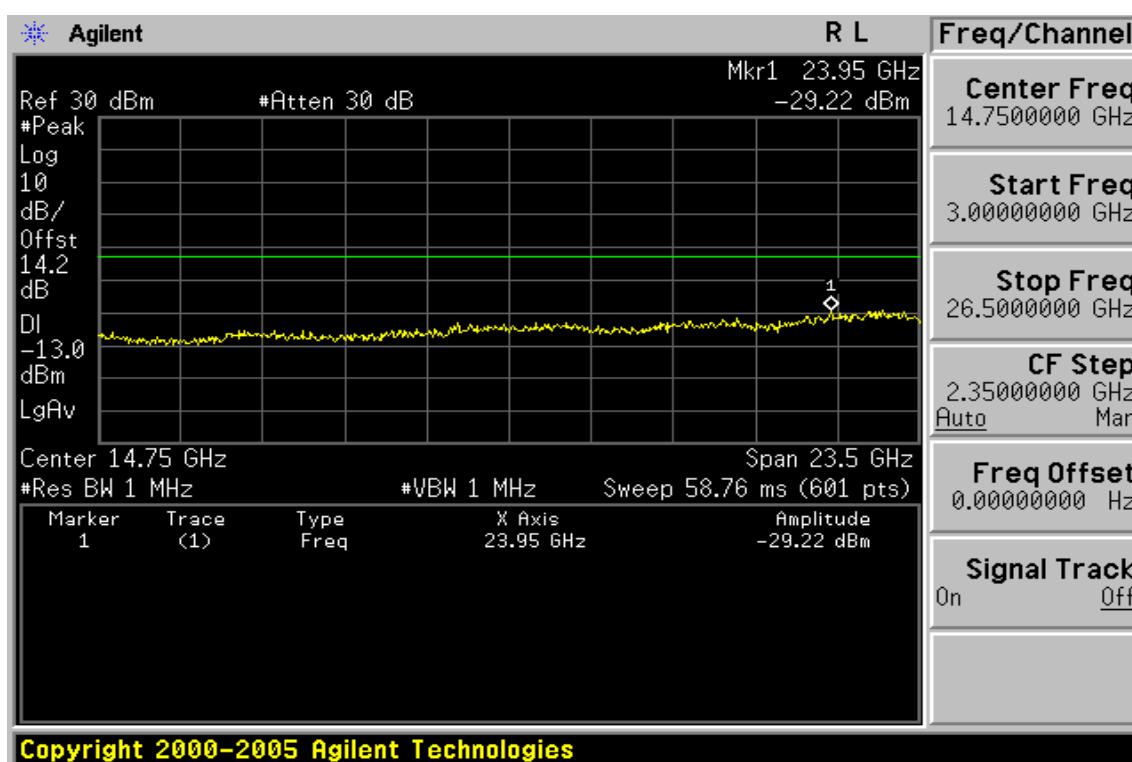
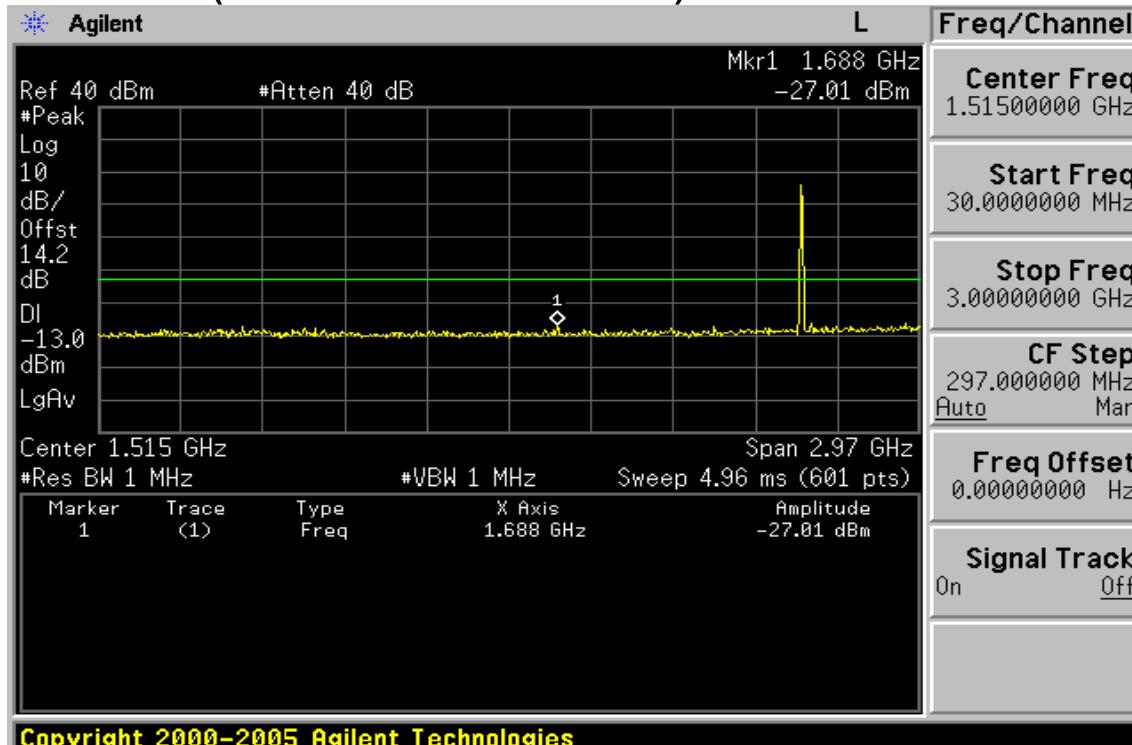
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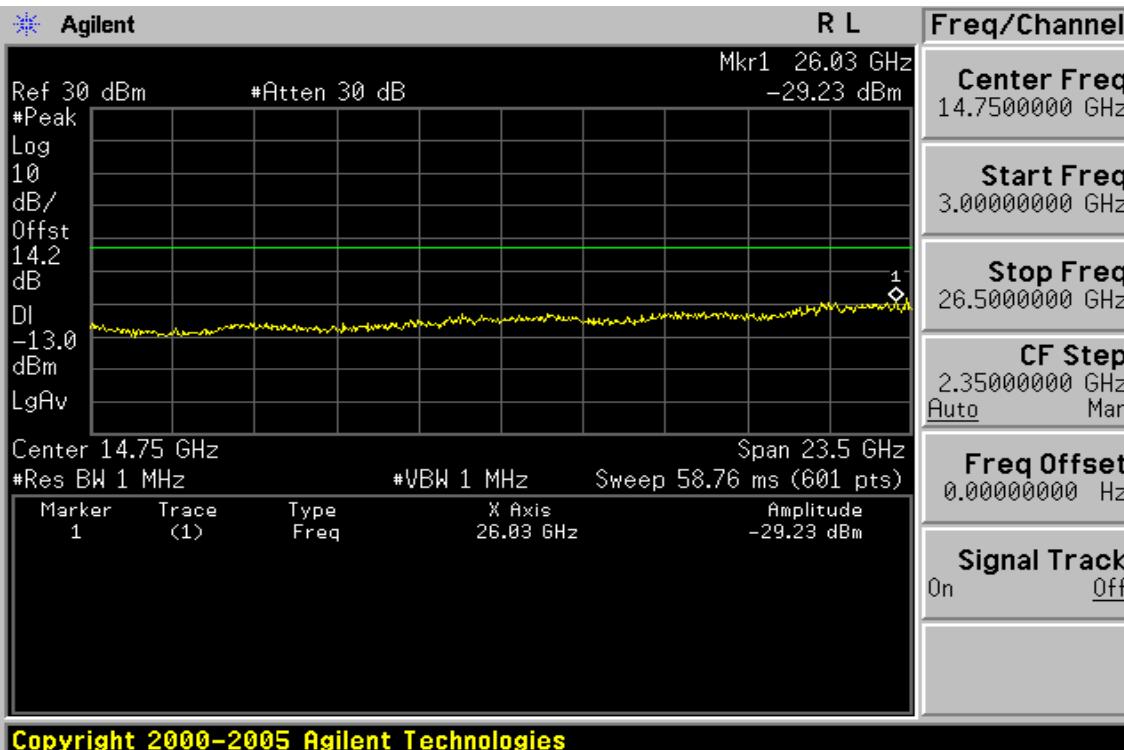
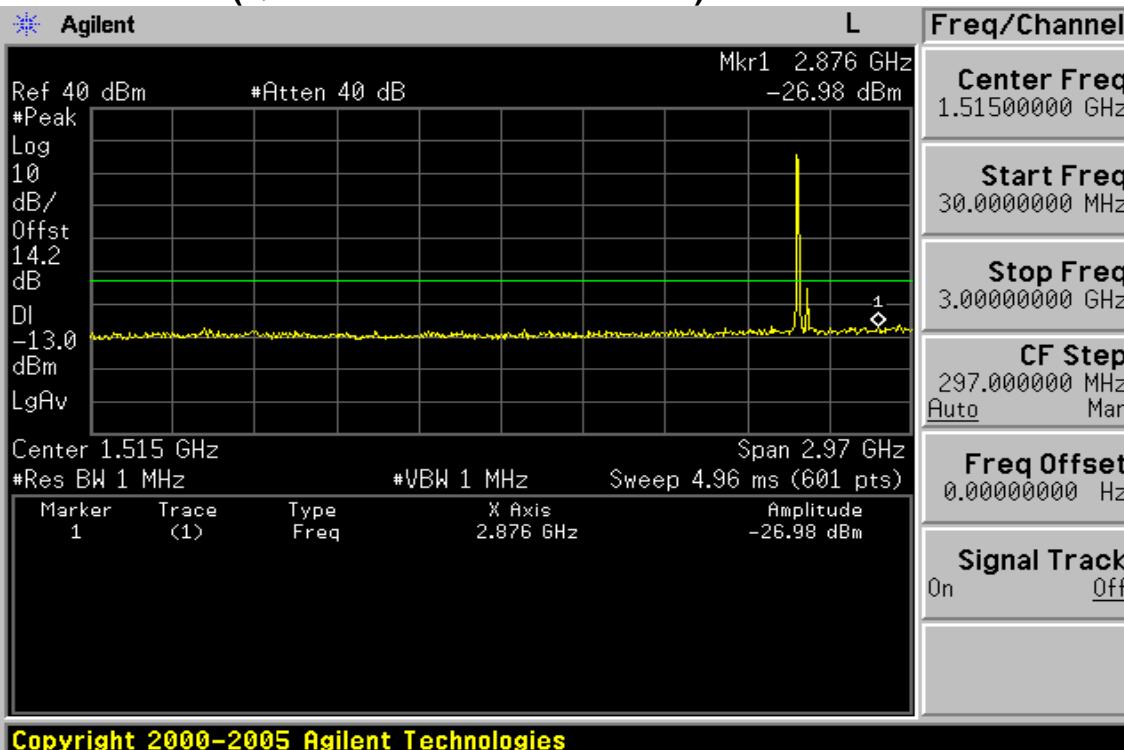
Out of Band emission at antenna terminals—20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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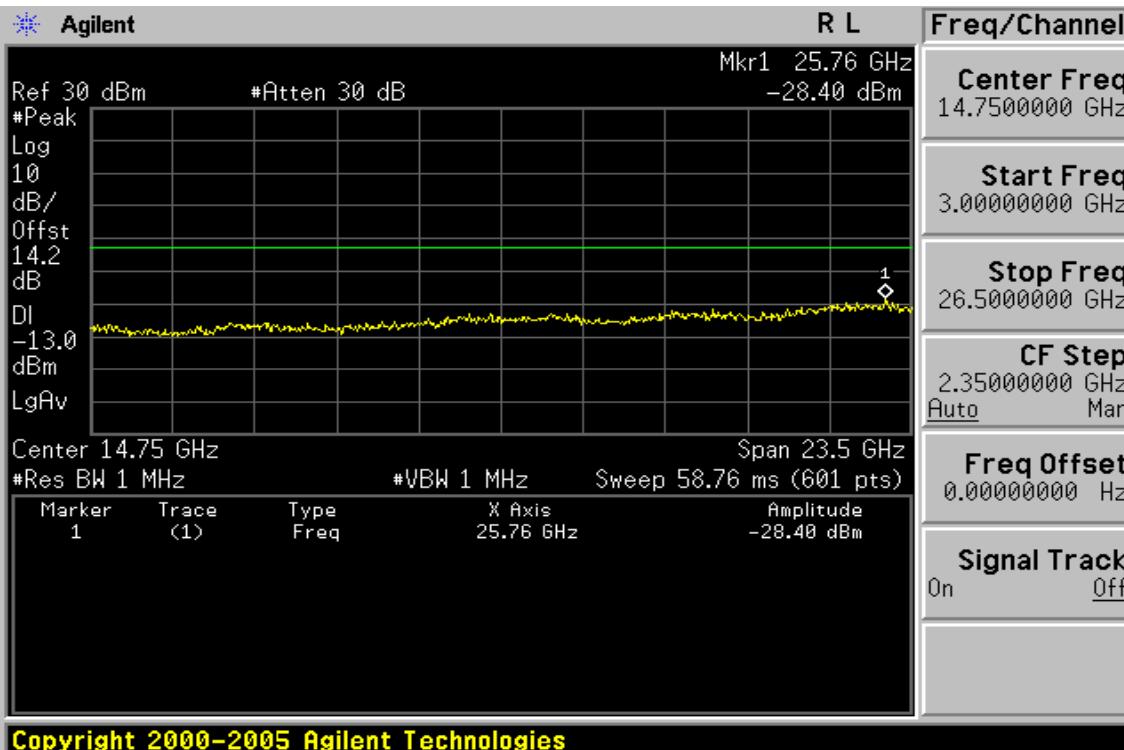
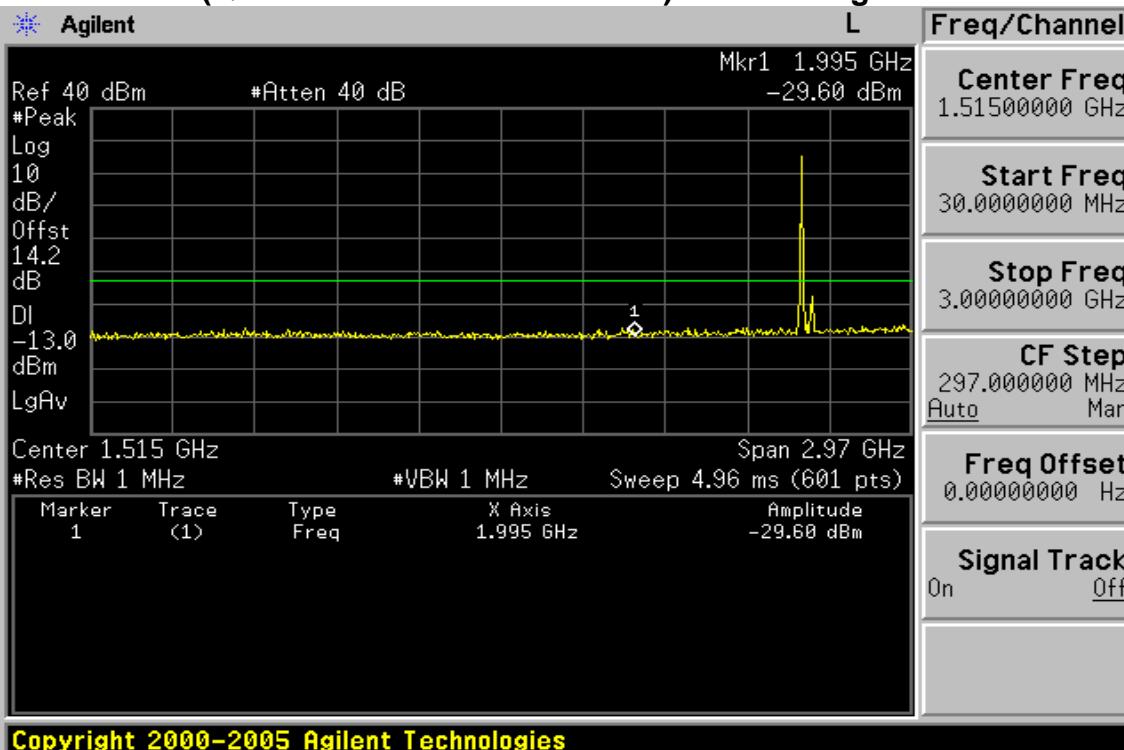
Out of Band emission at antenna terminals–20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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Out of Band emission at antenna terminals—20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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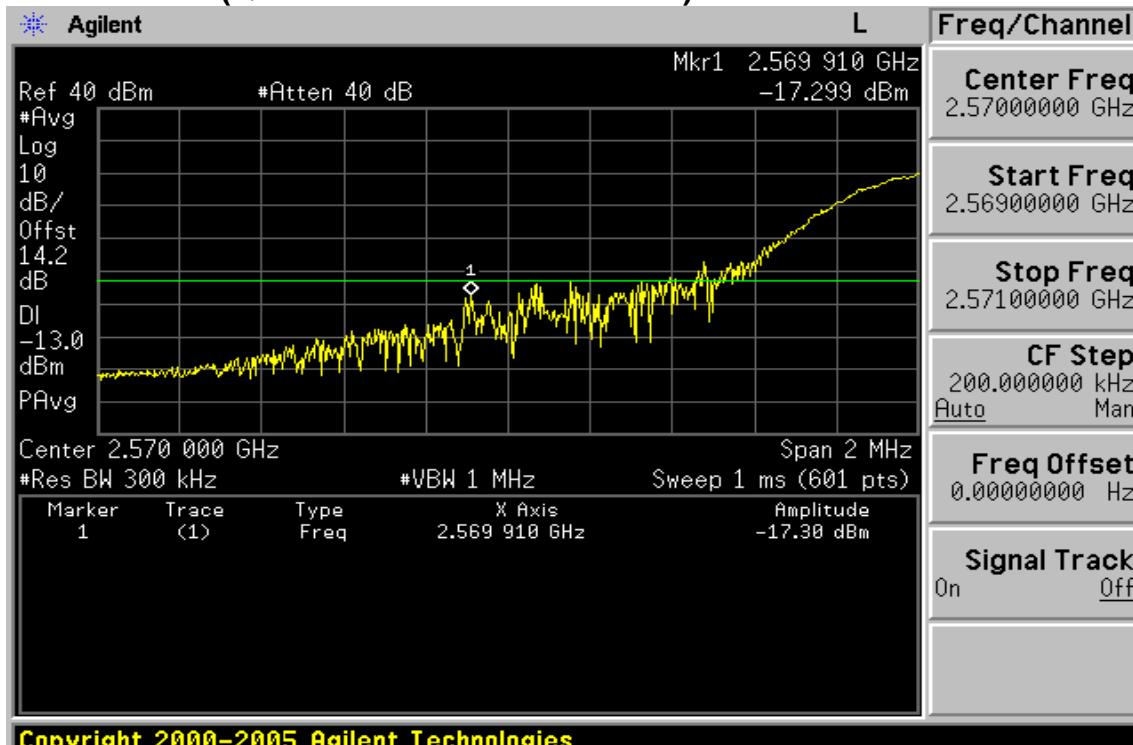
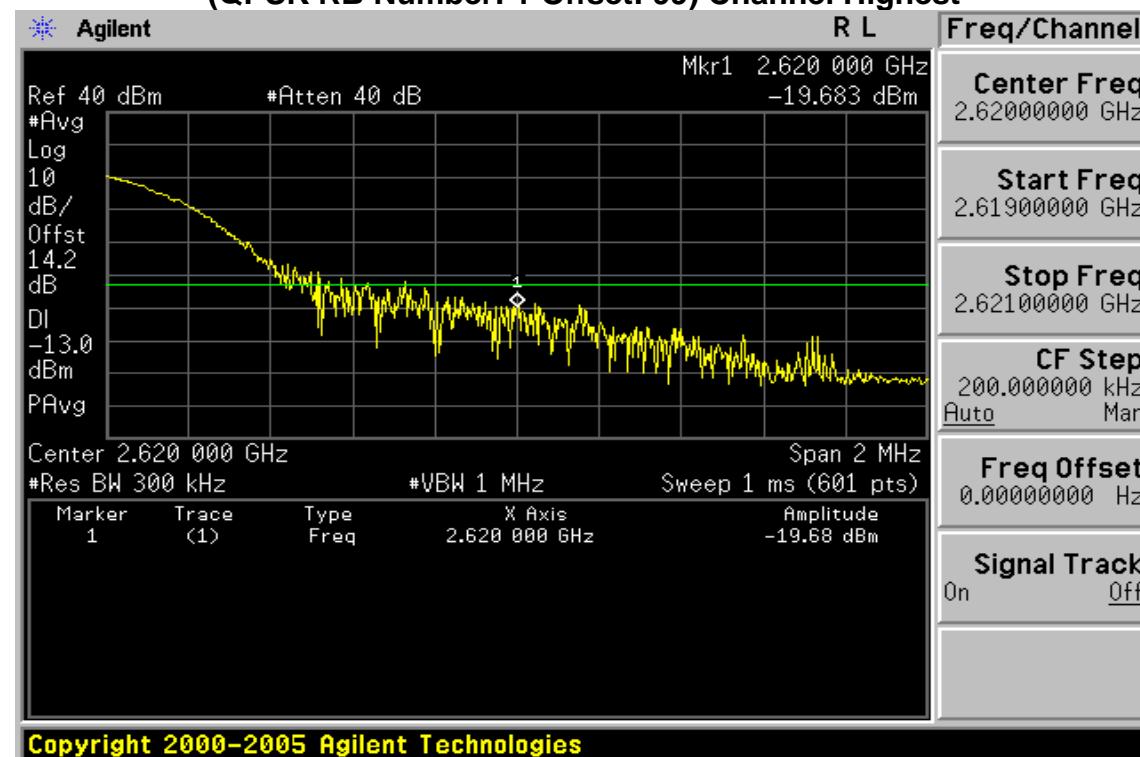
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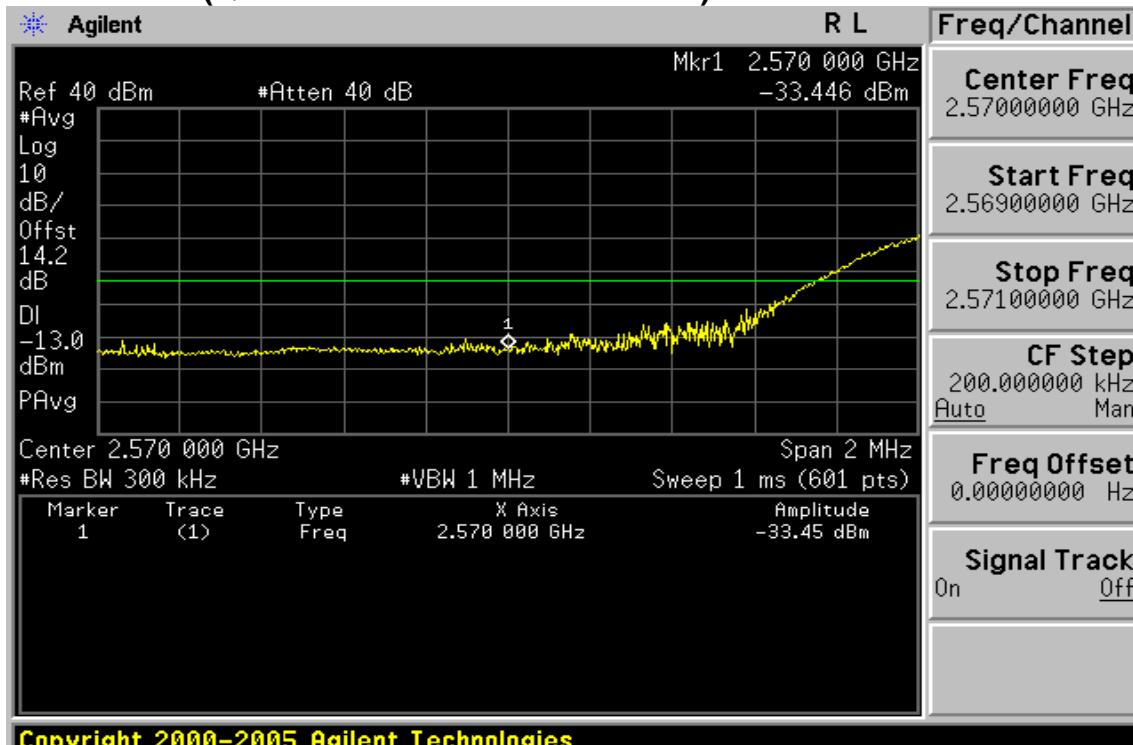
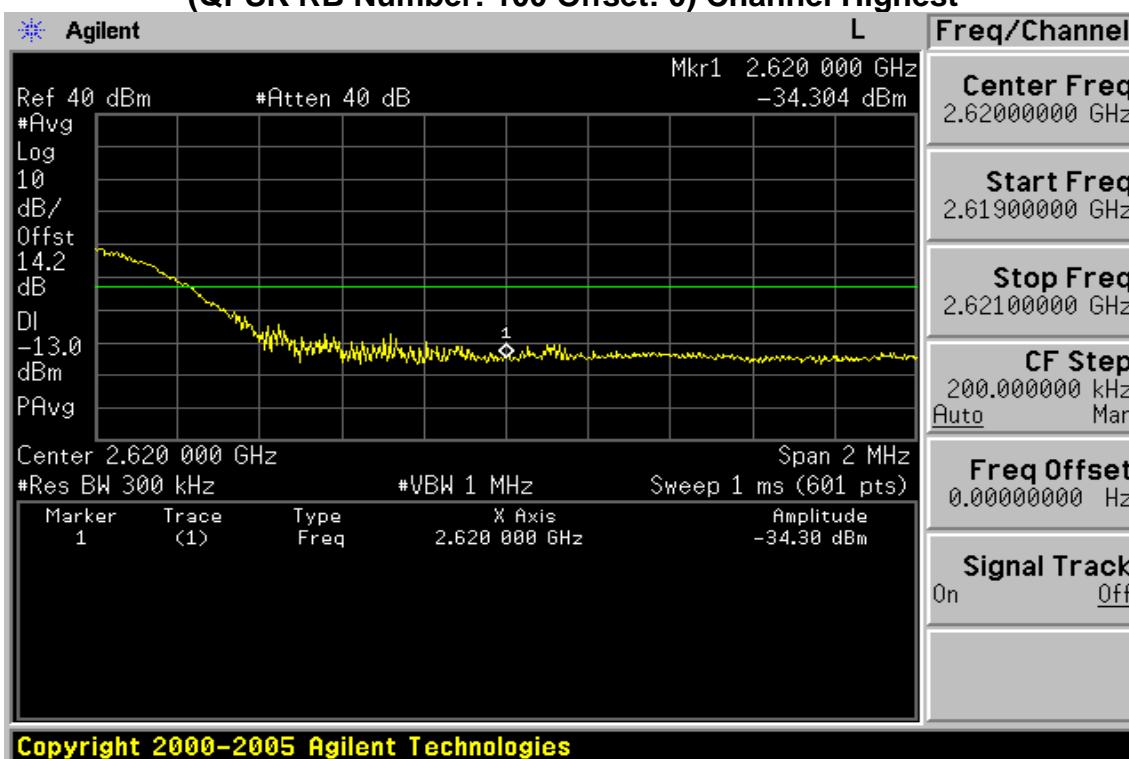
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Band edge emission at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 99) Channel Highest


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Band edge emission at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 100 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 100 Offset: 0) Channel Highest


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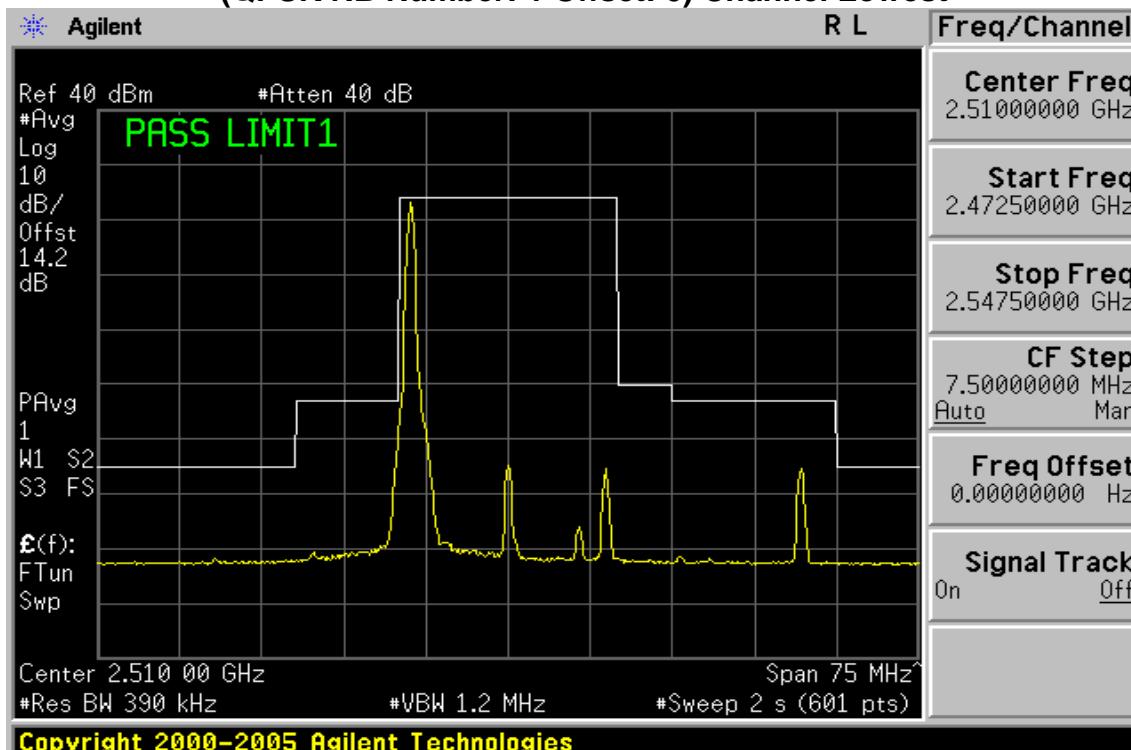
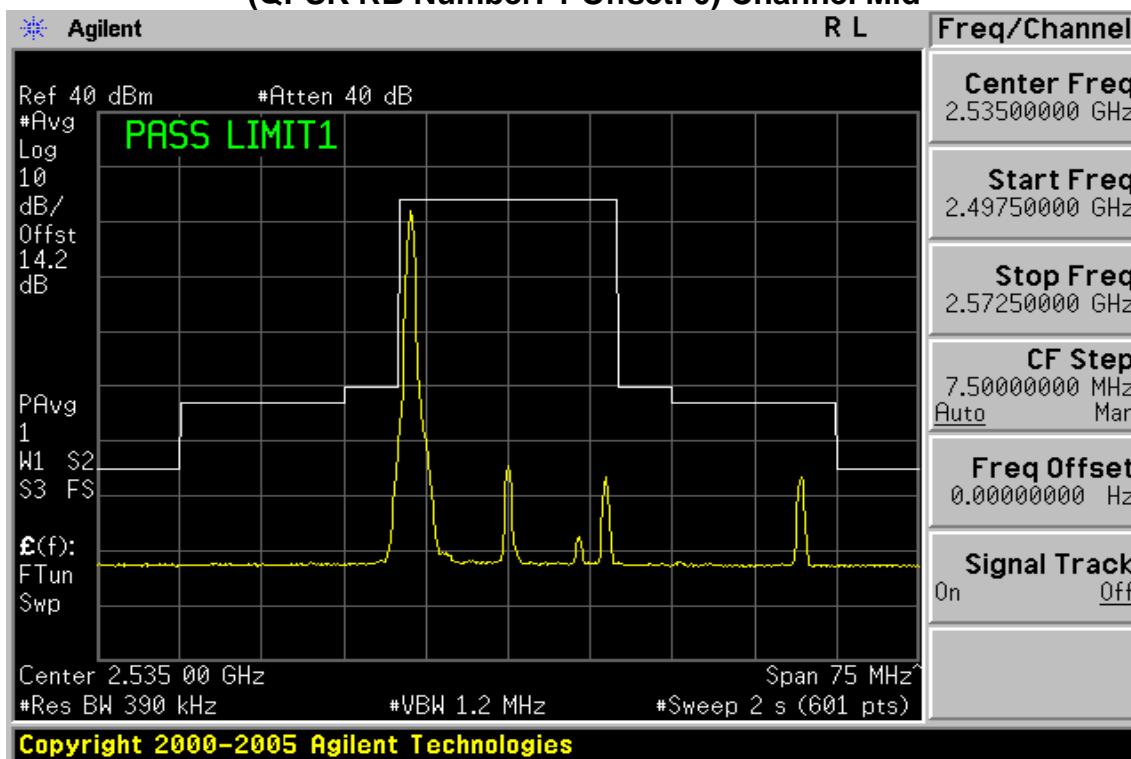
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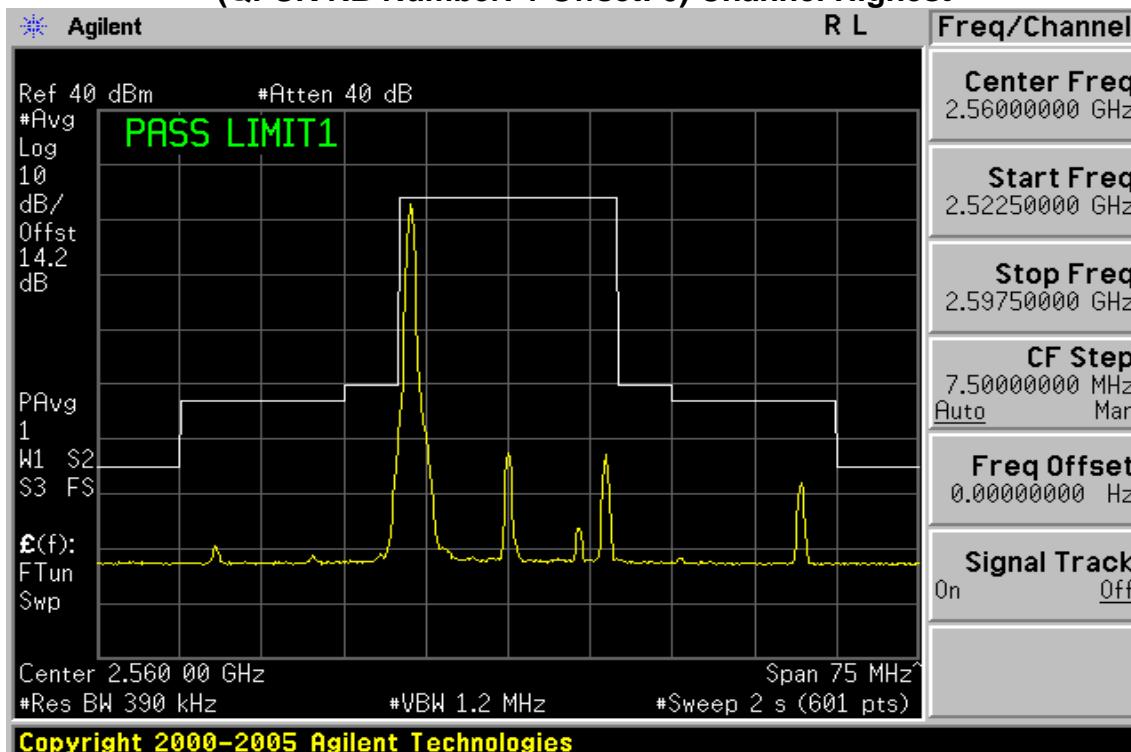
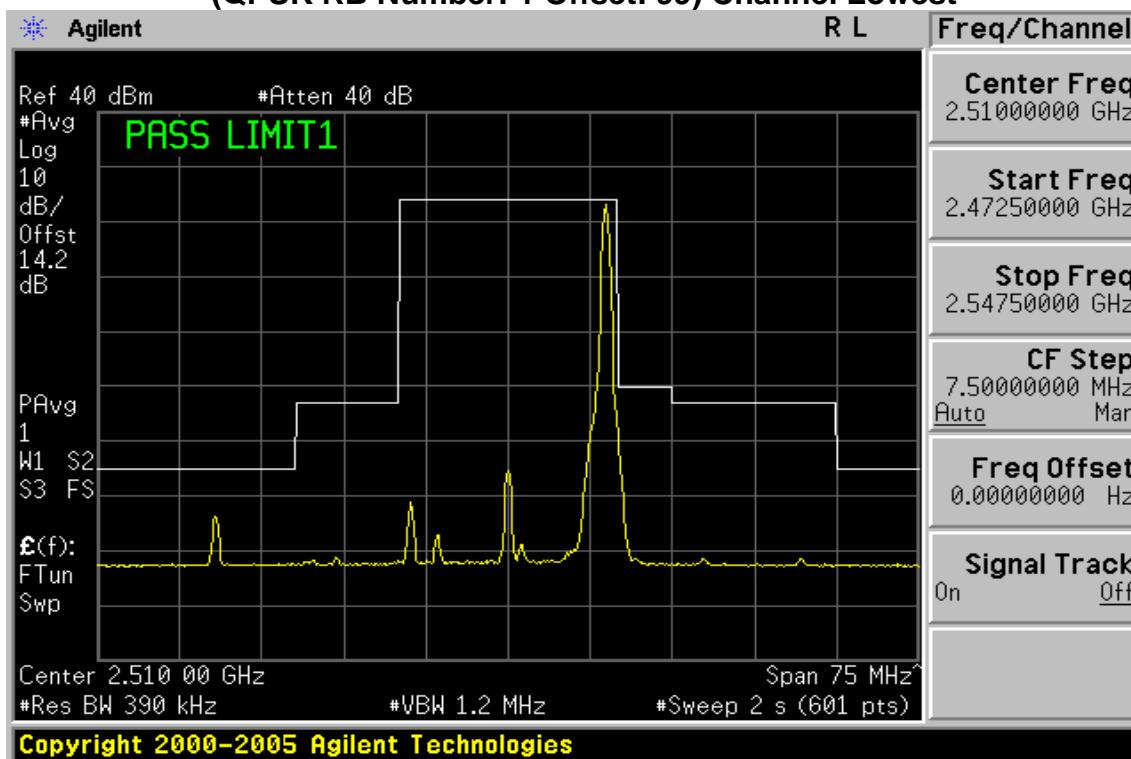
Emission Mask at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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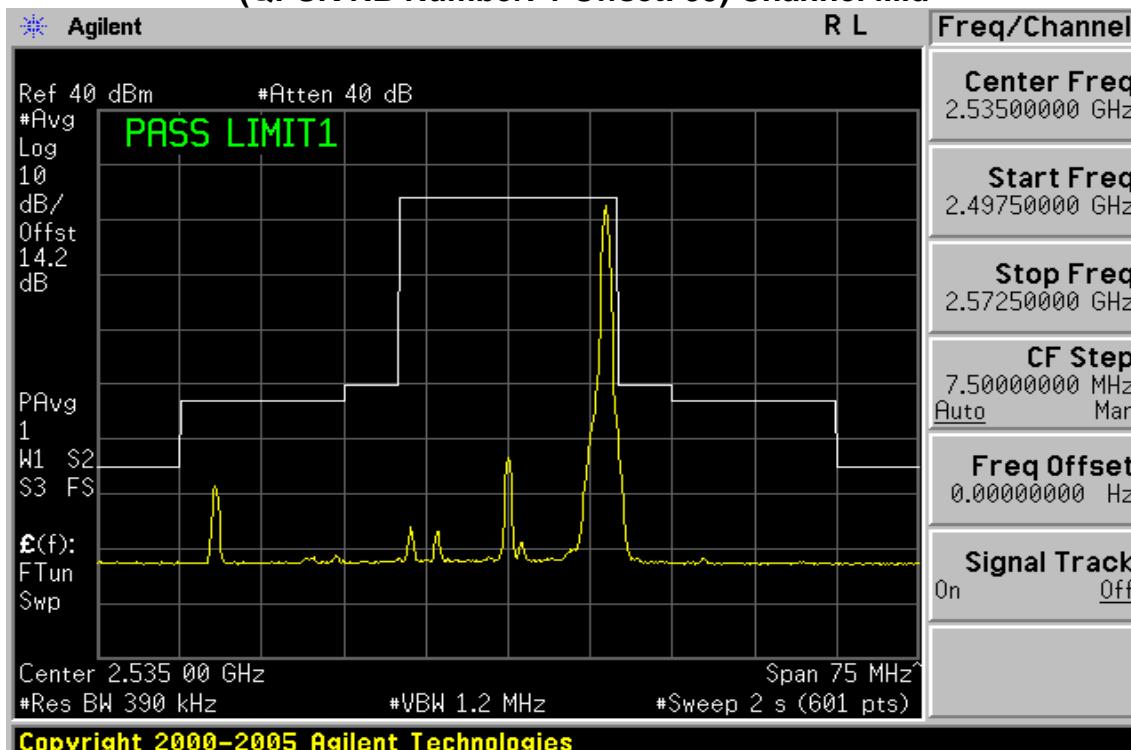
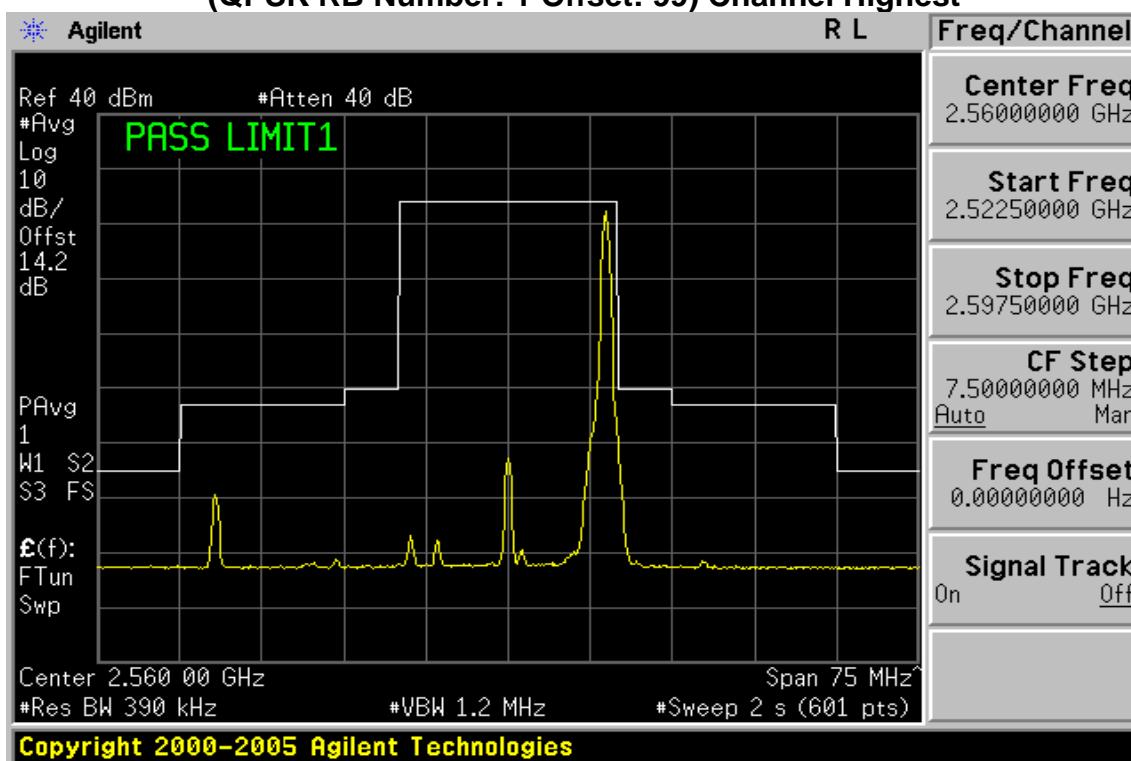
Emission Mask at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 99) Channel Lowest


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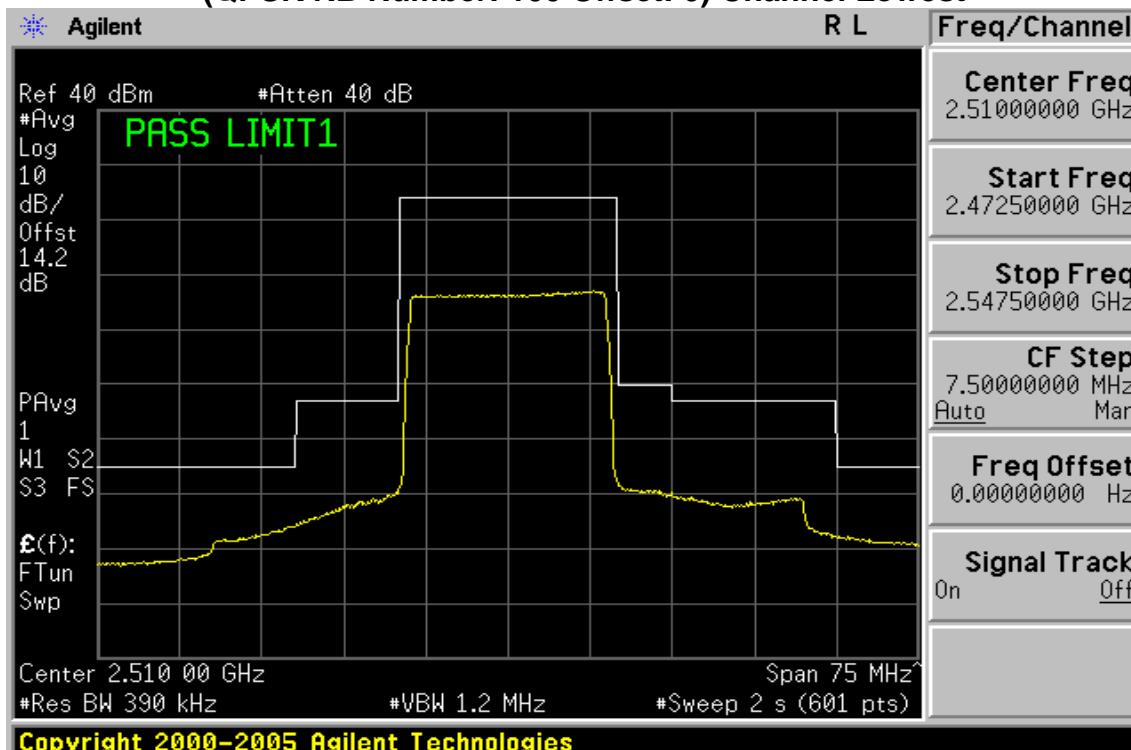
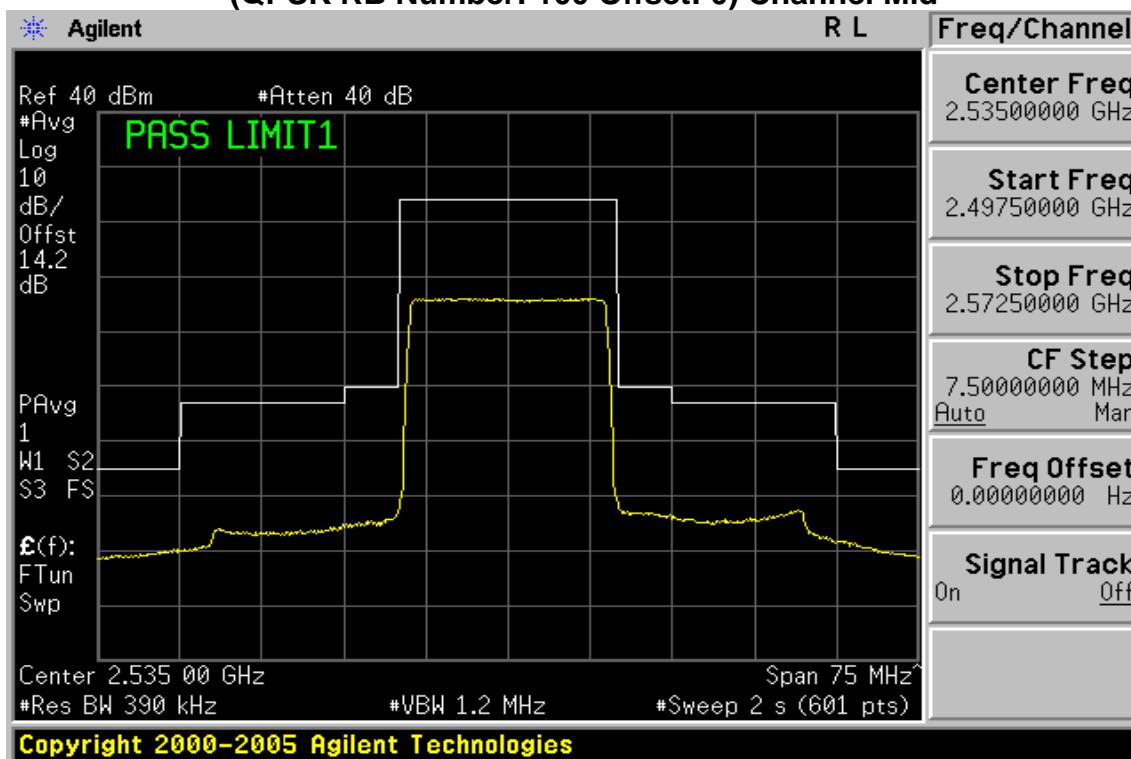
Emission Mask at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 99) Channel Mid

 Emission Mask at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 1 Offset: 99) Channel Highest


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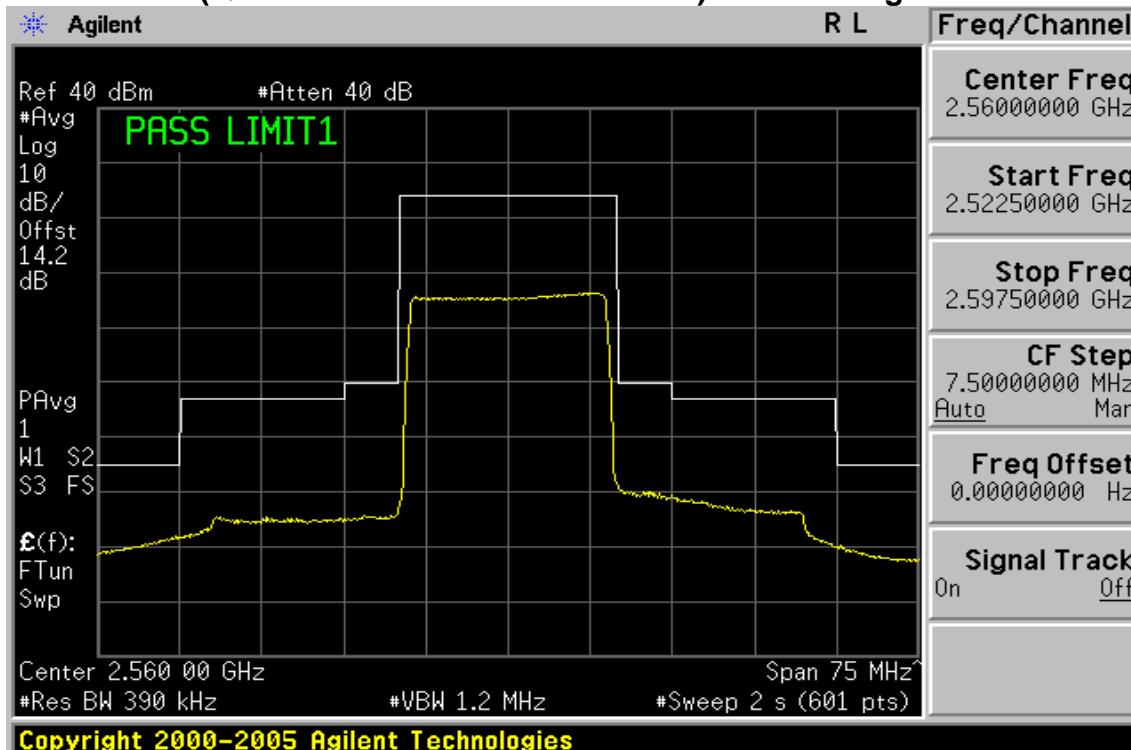
Emission Mask at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 100 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –20MHz BW LTE-Band 38  
 (QPSK RB Number: 100 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –20MHz BW LTE-Band 38  
(QPSK RB Number: 100 Offset: 0) Channel Highest**

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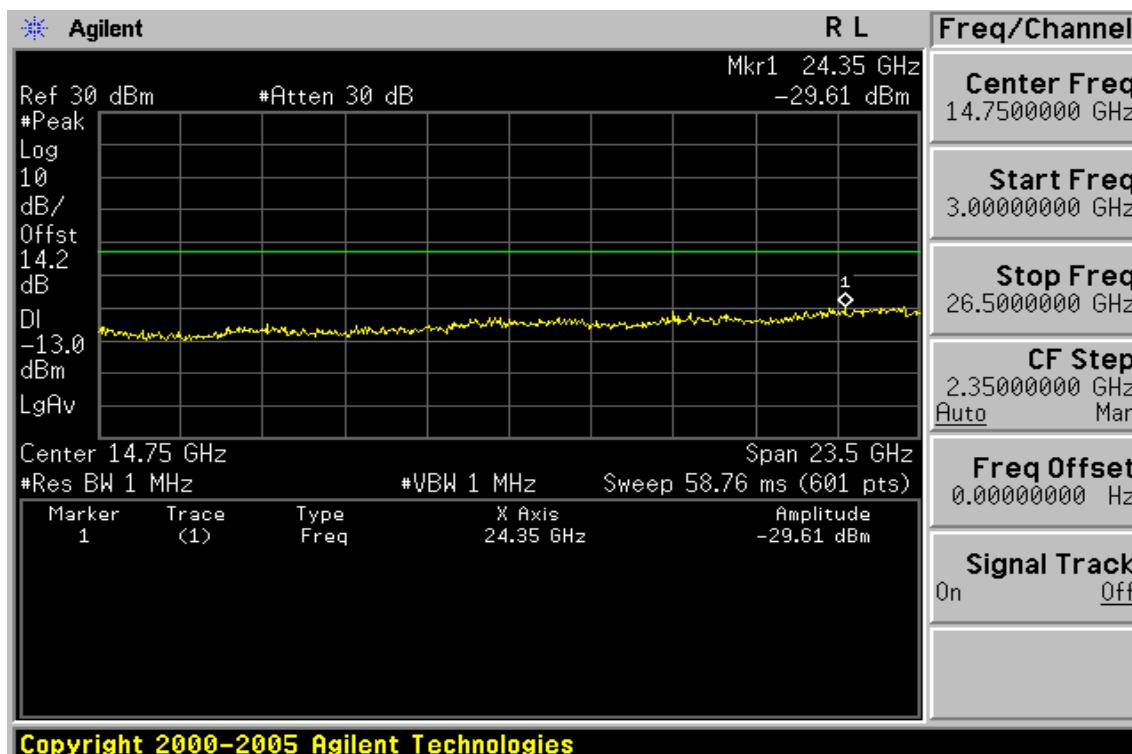
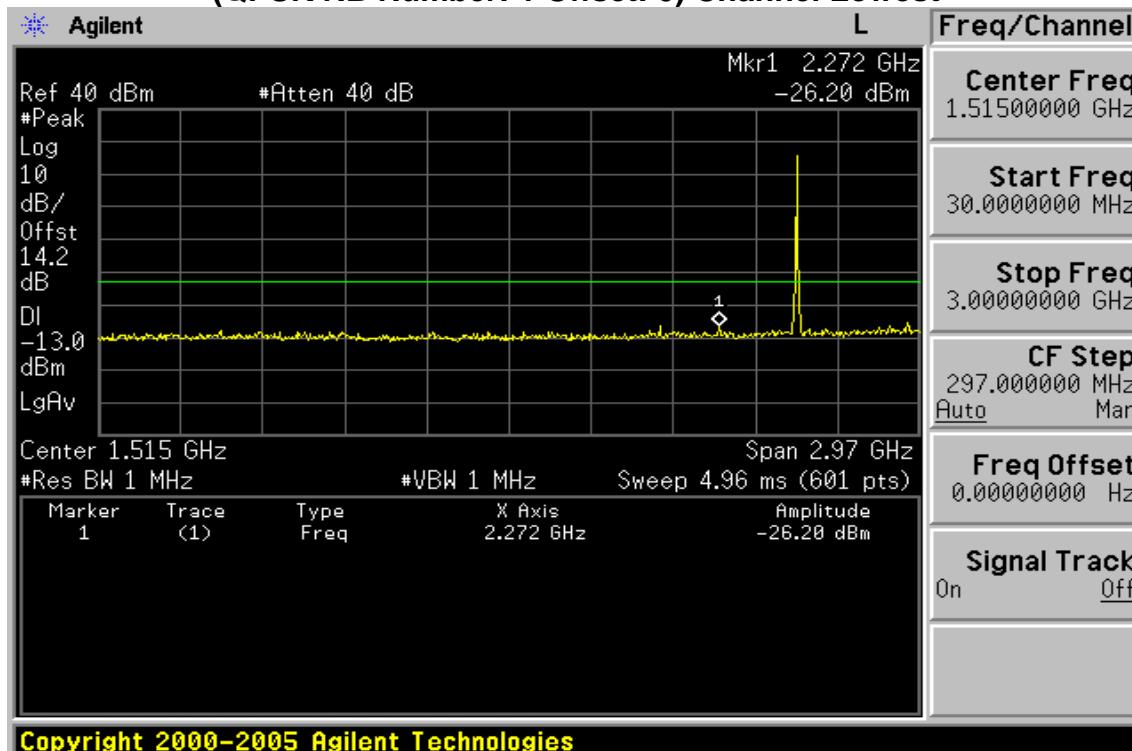
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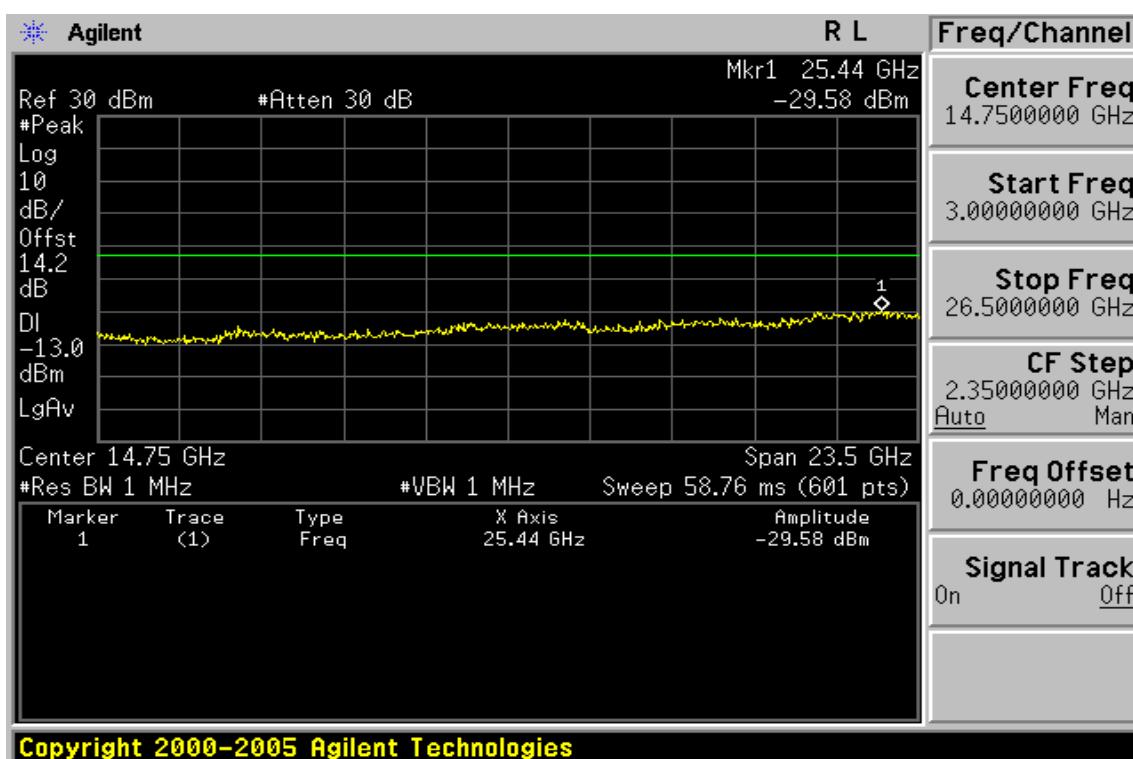
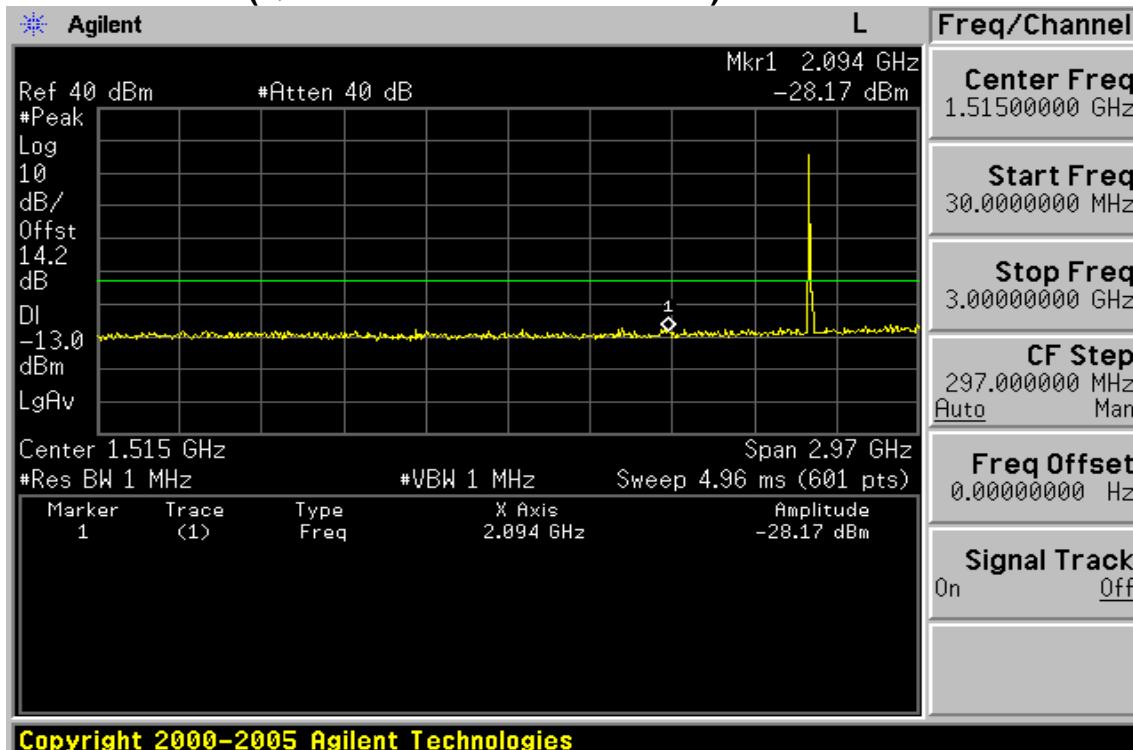
Out of Band emission at antenna terminals – 5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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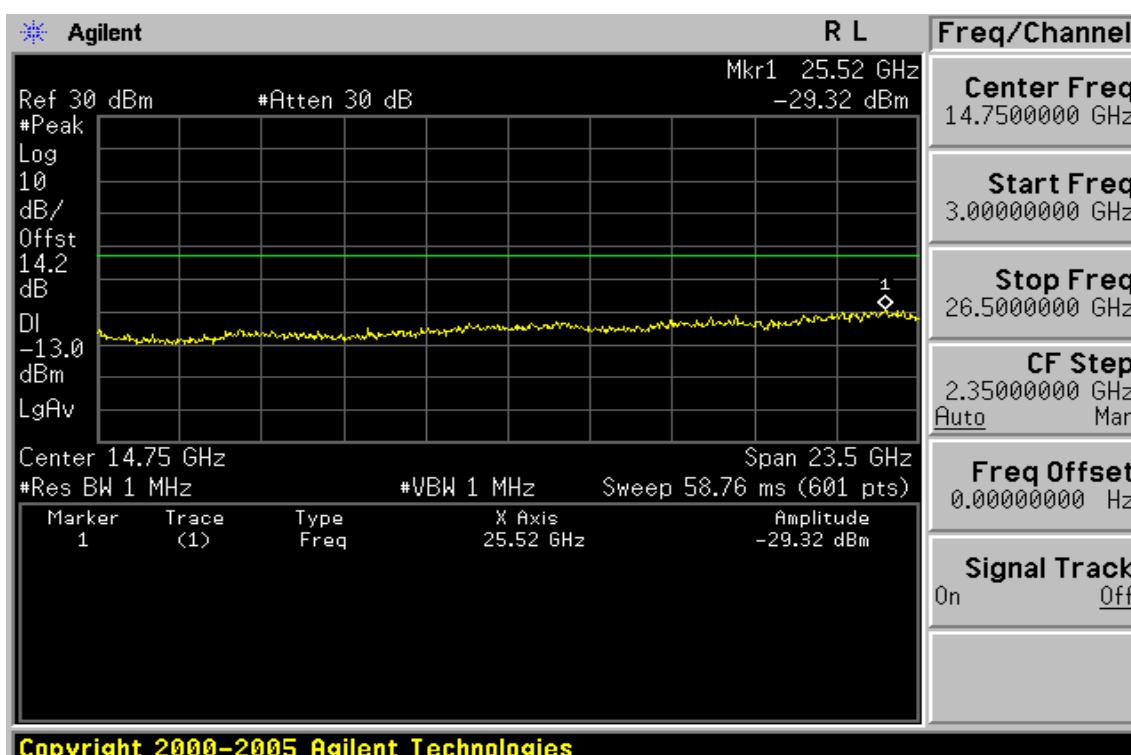
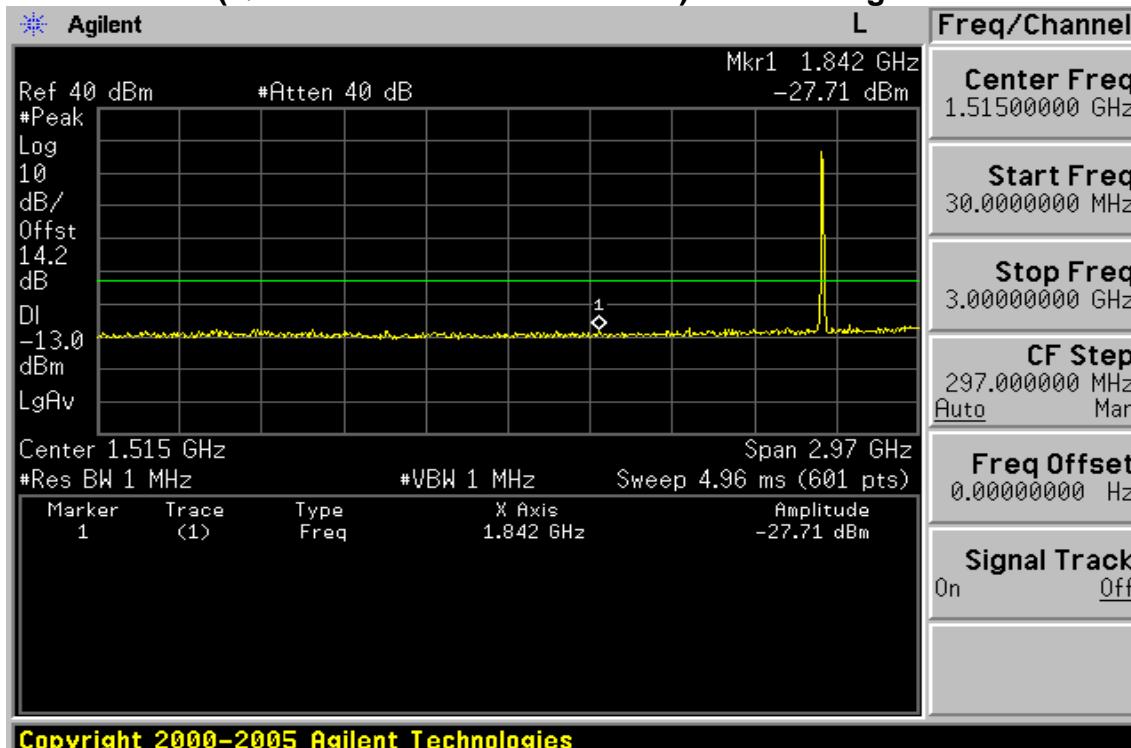
Out of Band emission at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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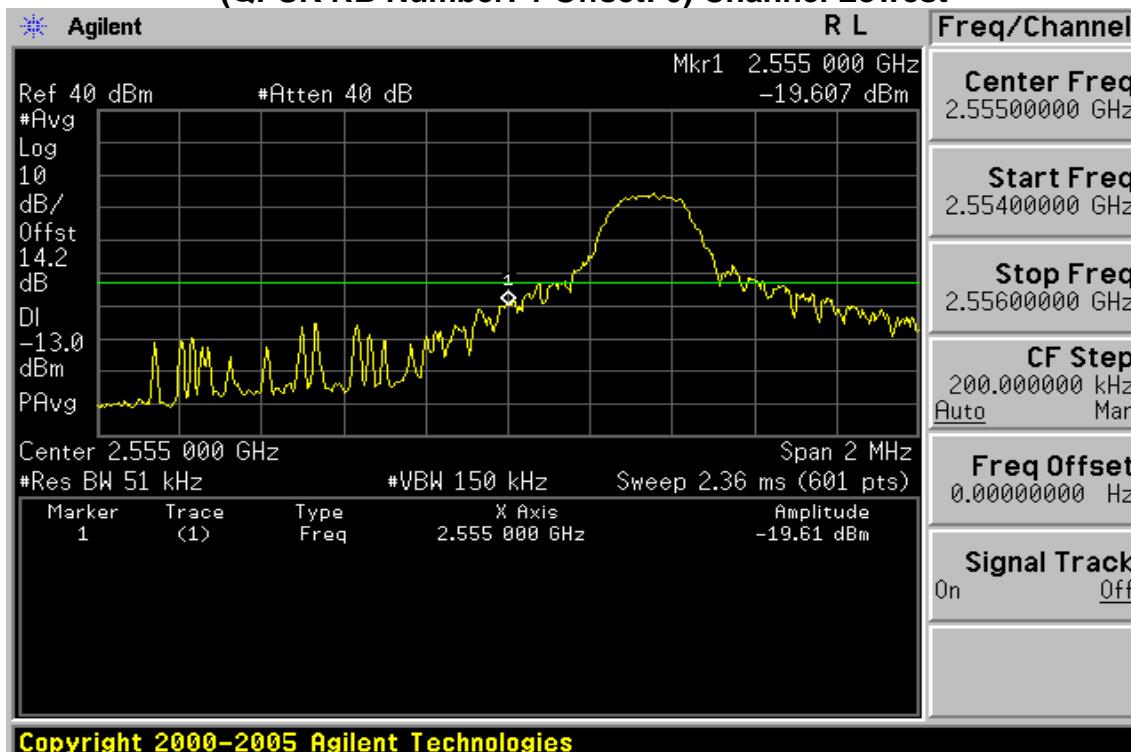
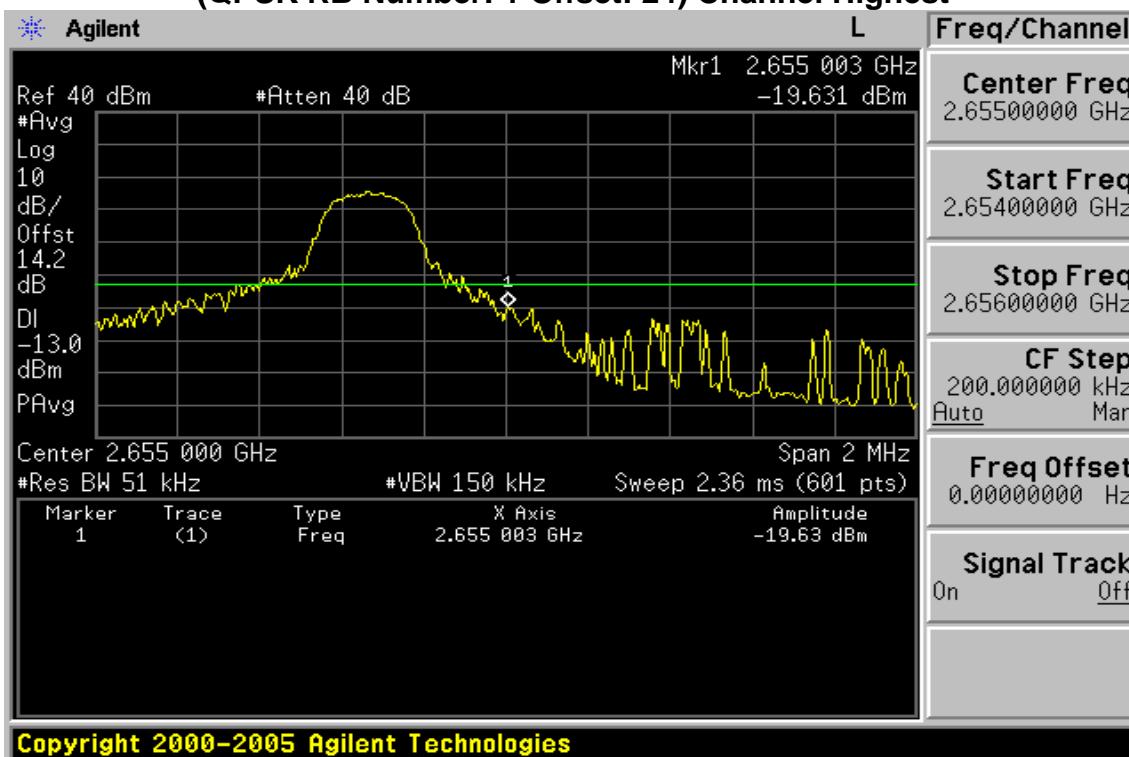
Out of Band emission at antenna terminals –5MHz BW LTE-Band 41  
(QPSK RB Number: 1 Offset: 0) Channel Highest

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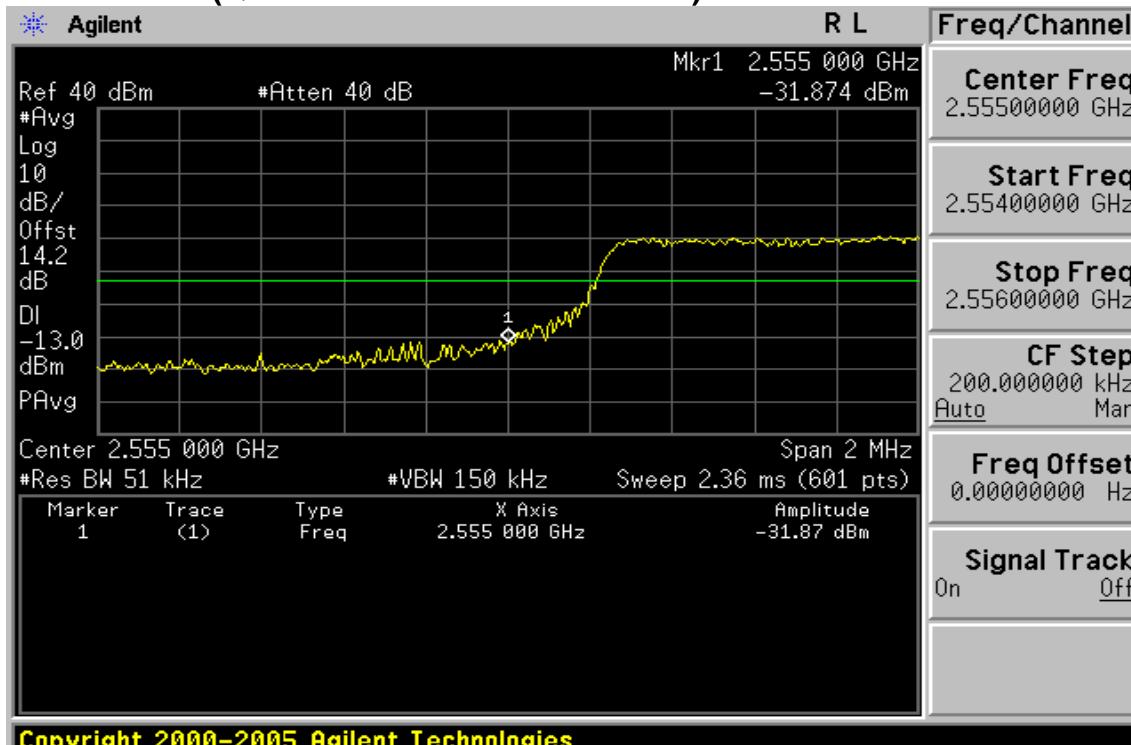
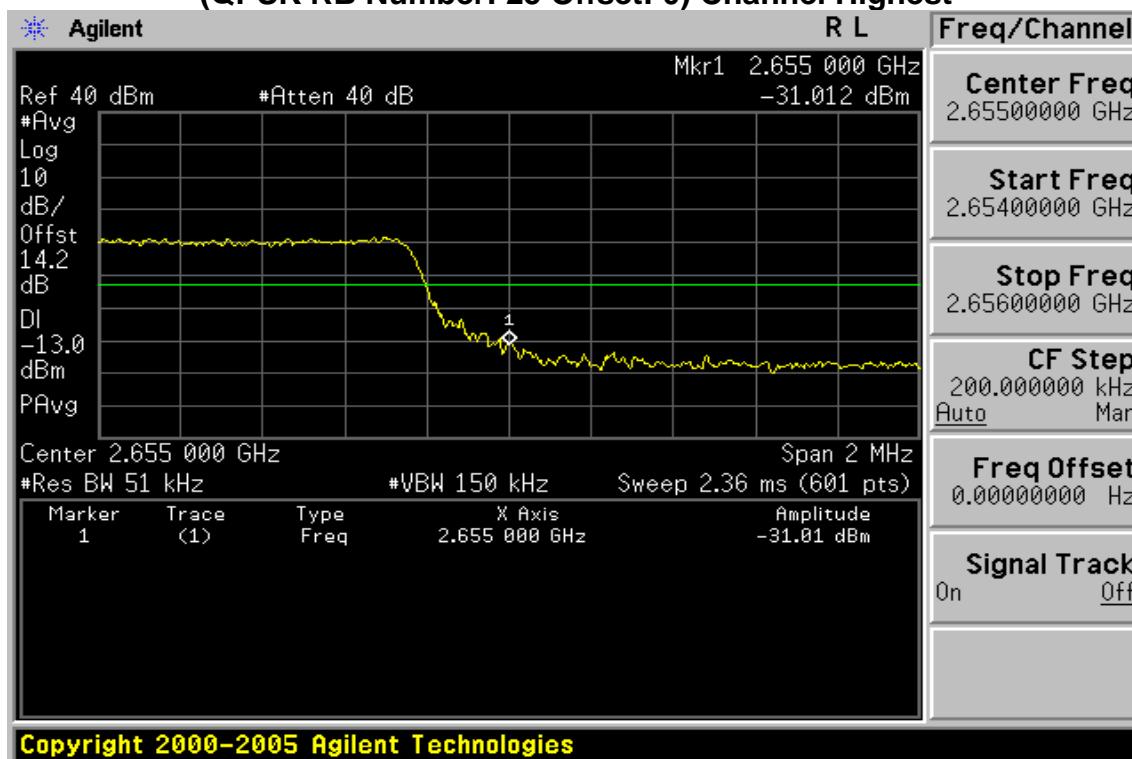
Band edge emission at antenna terminals – 5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals – 5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 24) Channel Highest


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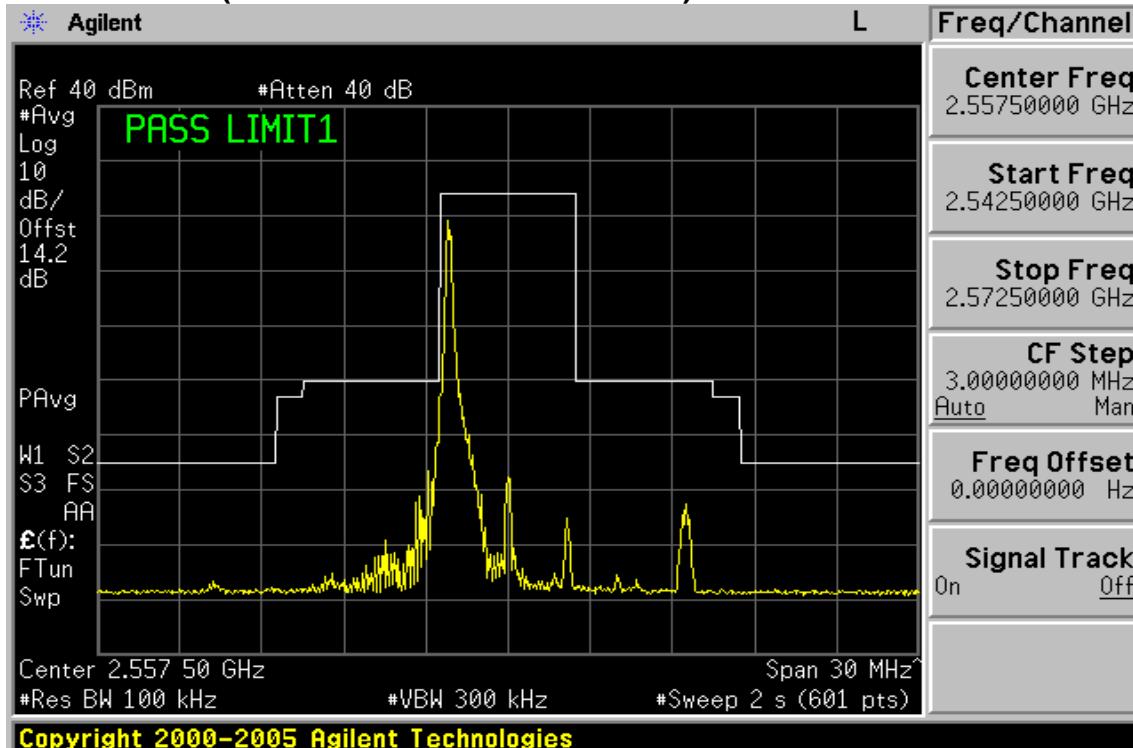
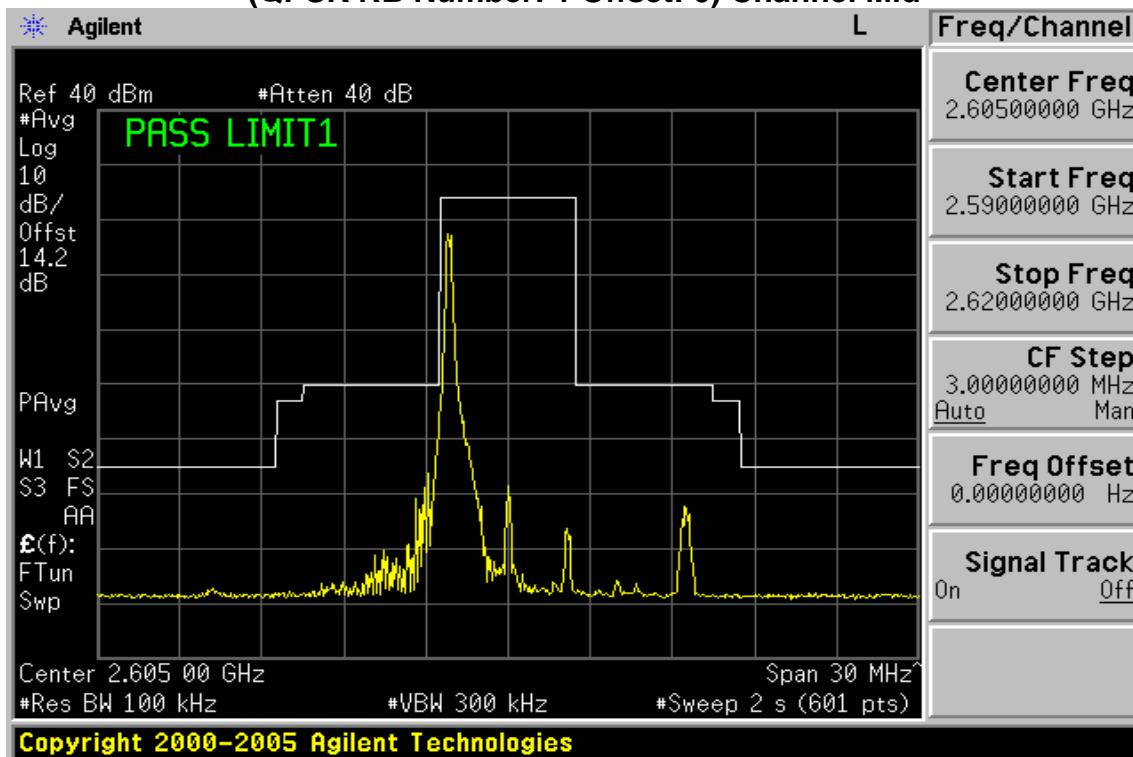
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Band edge emission at antenna terminals – 5MHz BW LTE-Band 41  
 (QPSK RB Number: 25 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 25 Offset: 0) Channel Highest


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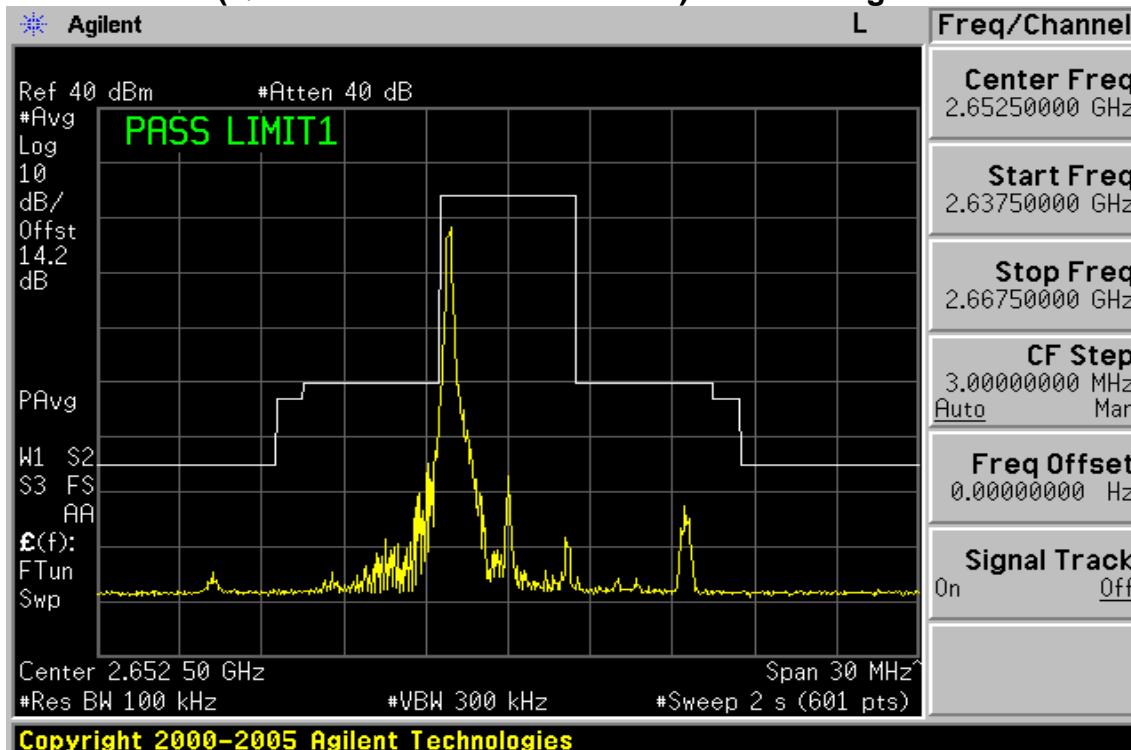
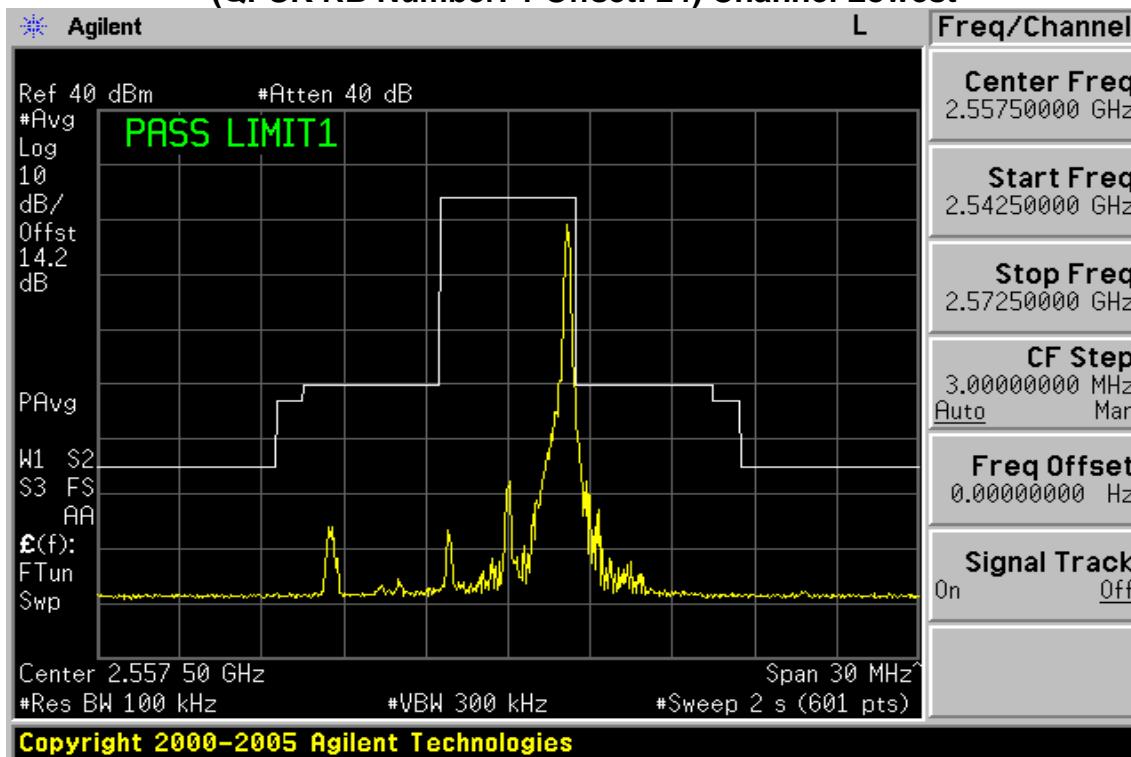
Emission Mask at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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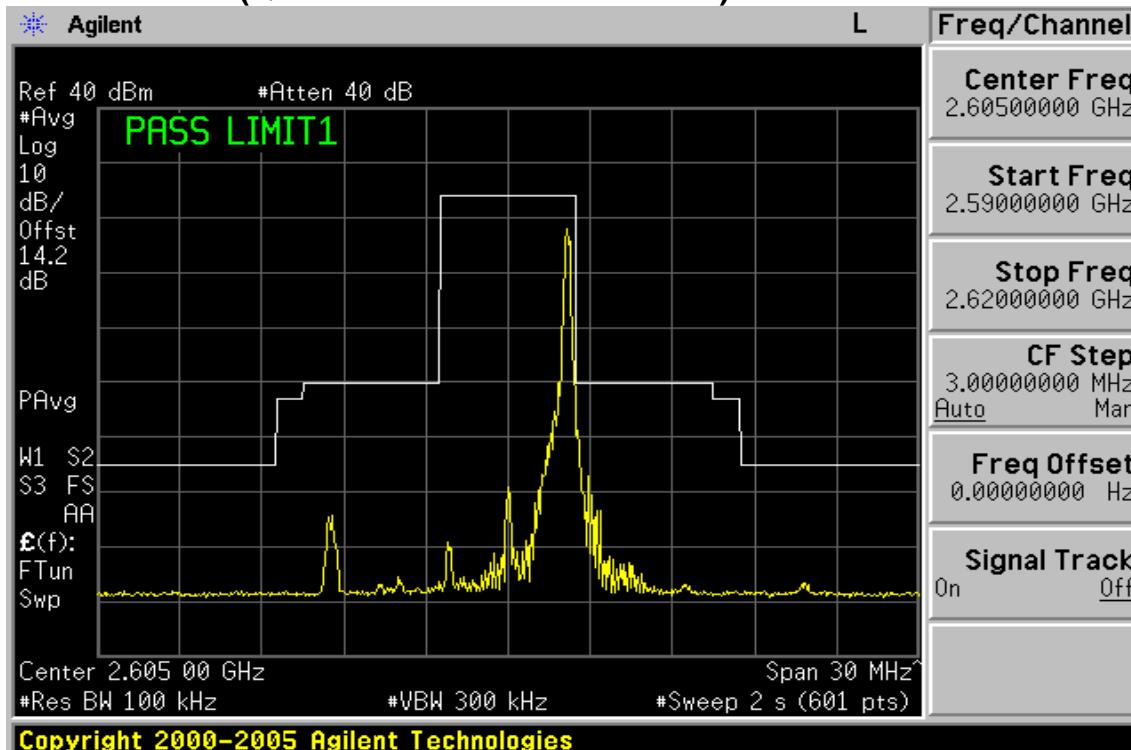
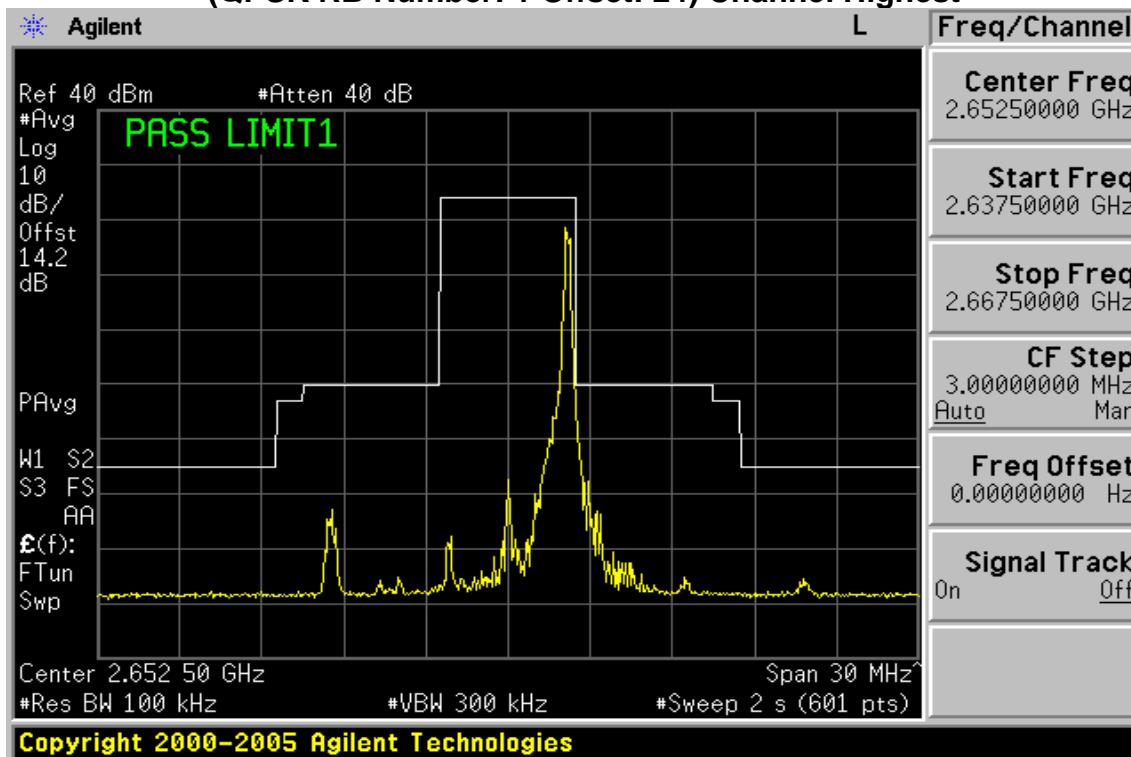
Emission Mask at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 24) Channel Lowest


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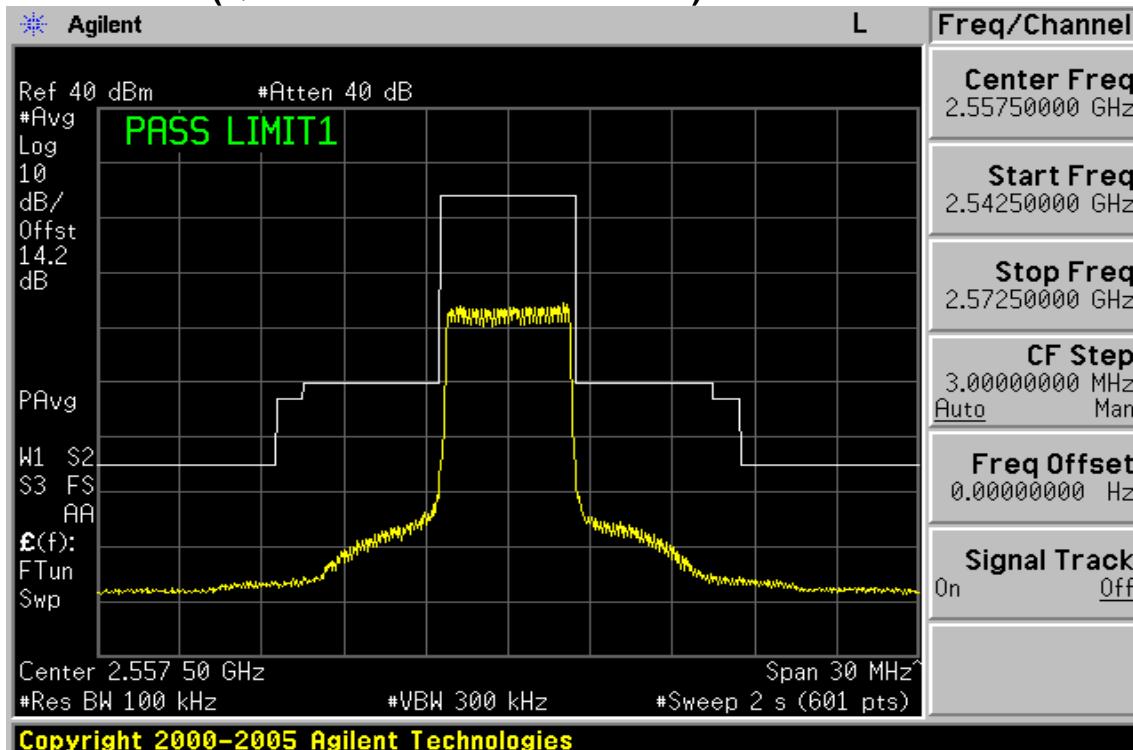
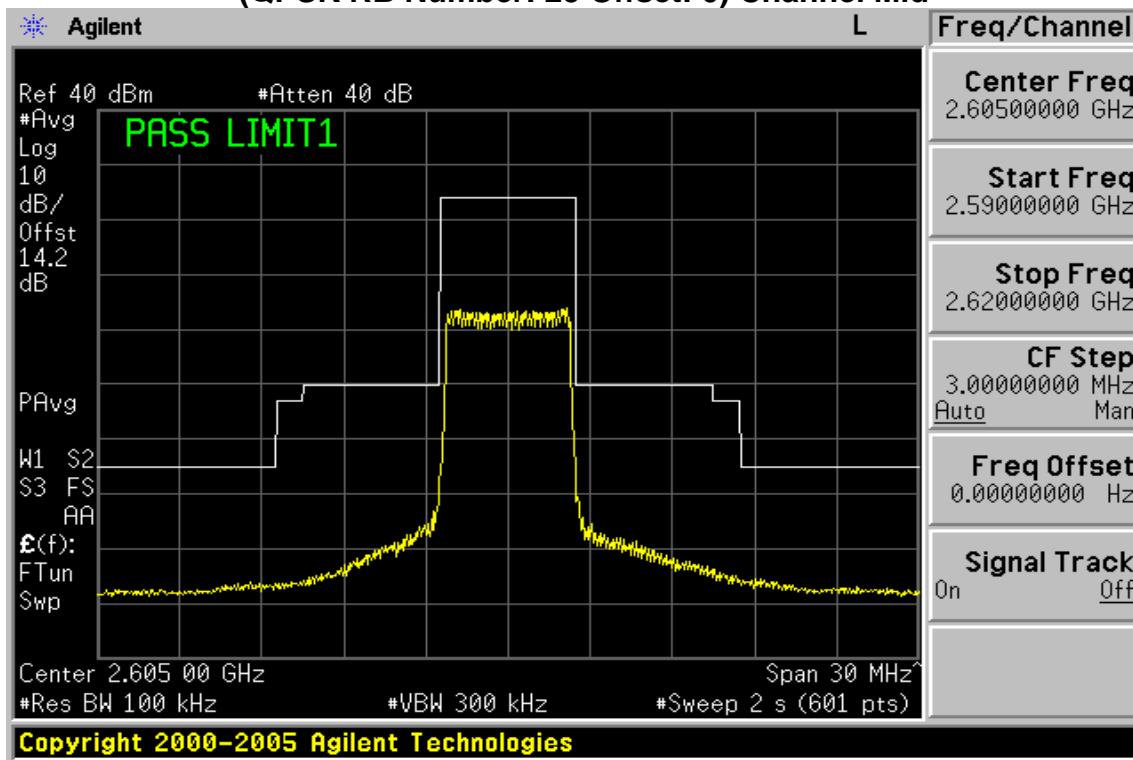
Emission Mask at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 24) Channel Mid

 Emission Mask at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 24) Channel Highest


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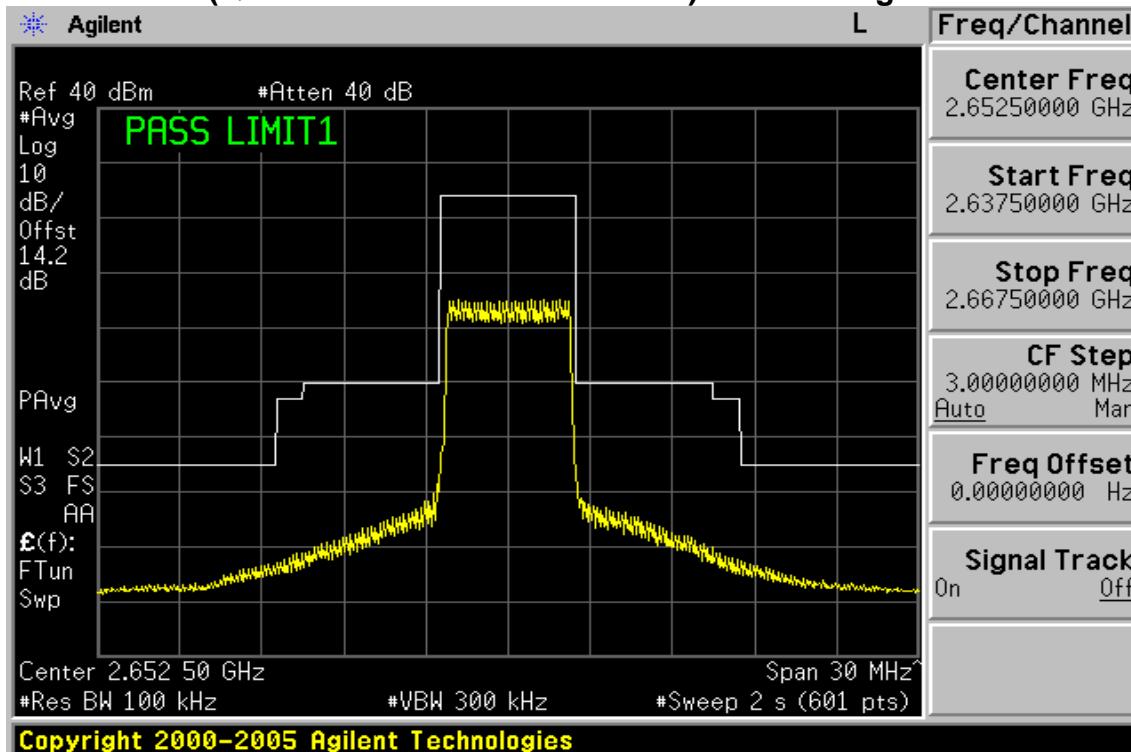
Emission Mask at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 25 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –5MHz BW LTE-Band 41  
 (QPSK RB Number: 25 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –5MHz BW LTE-Band 41  
(QPSK RB Number: 25 Offset: 0) Channel Highest**

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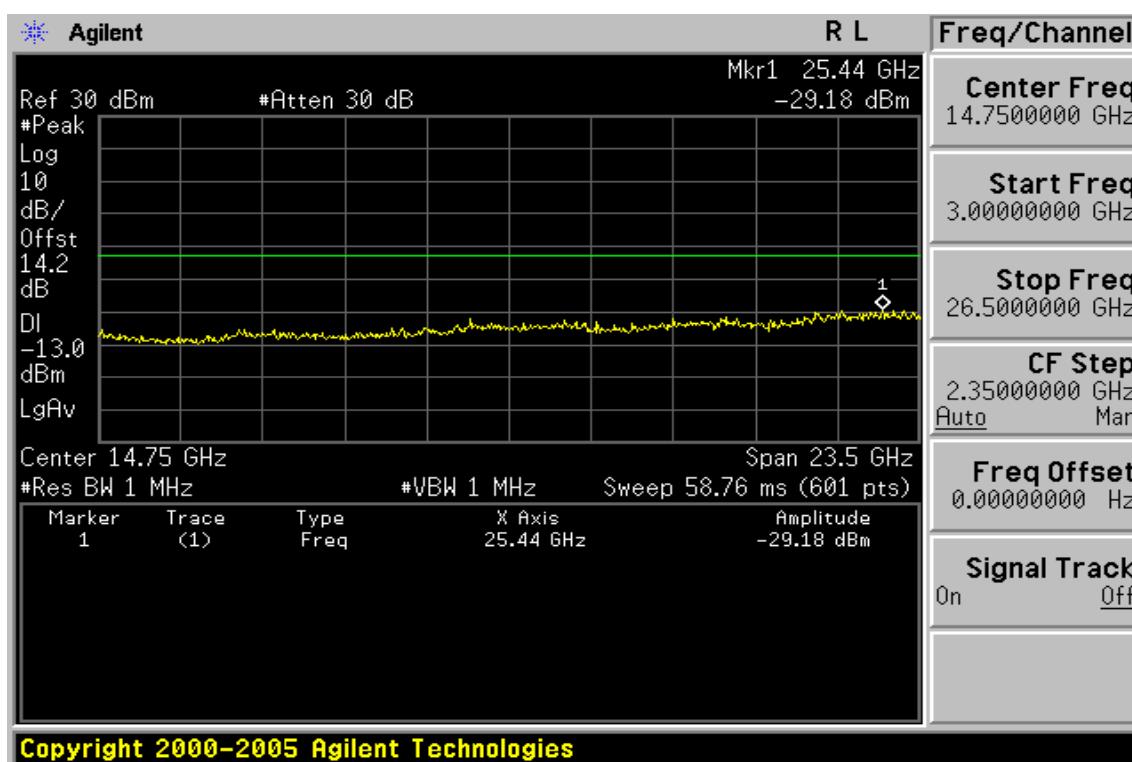
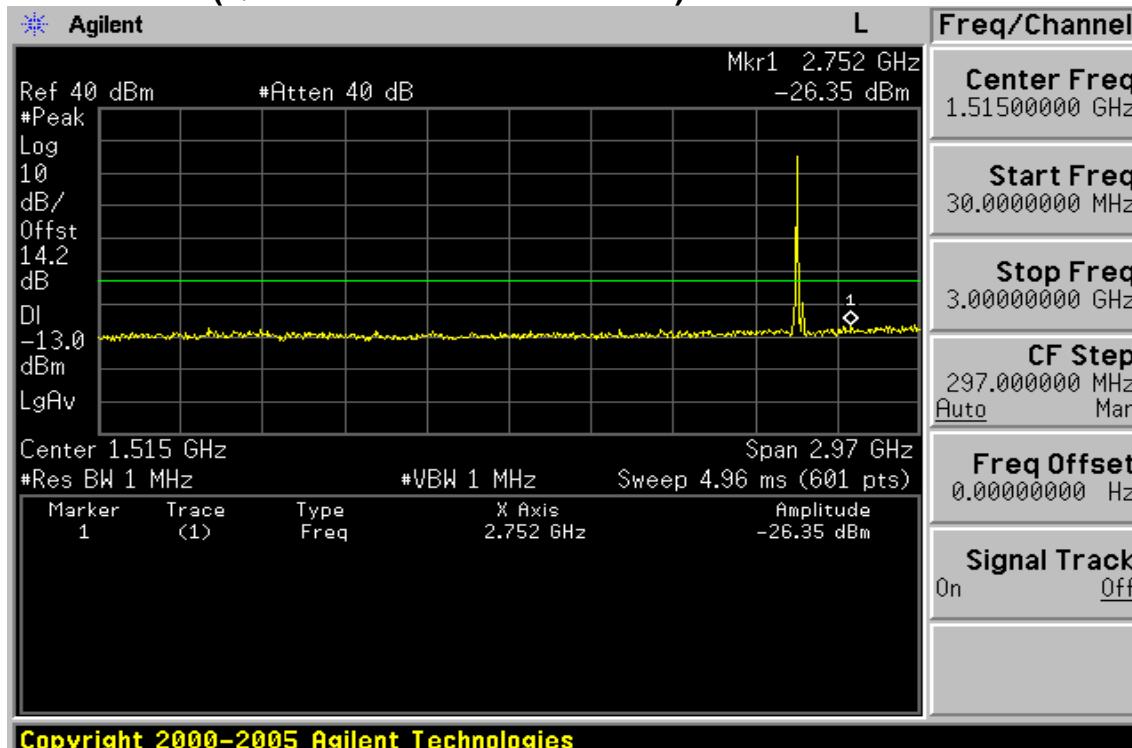
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**Out of Band emission at antenna terminals – 10MHz BW LTE-Band 41**  
**(QPSK RB Number: 1 Offset: 0) Channel Lowest**

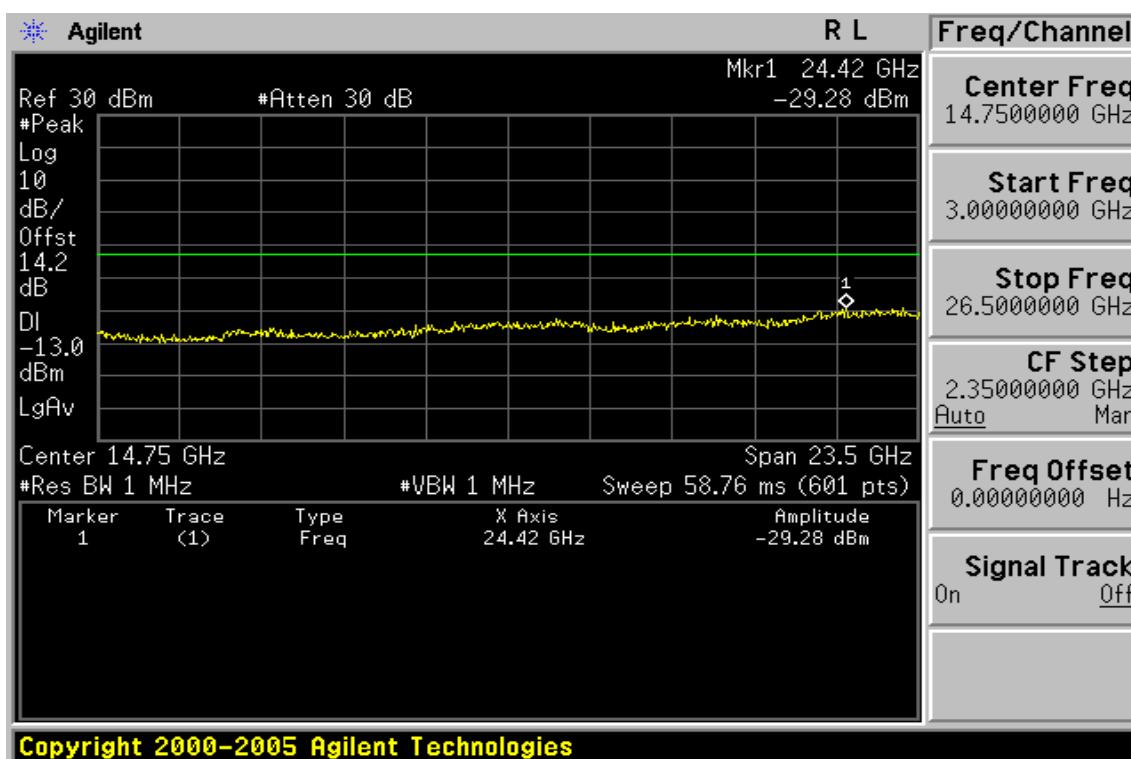
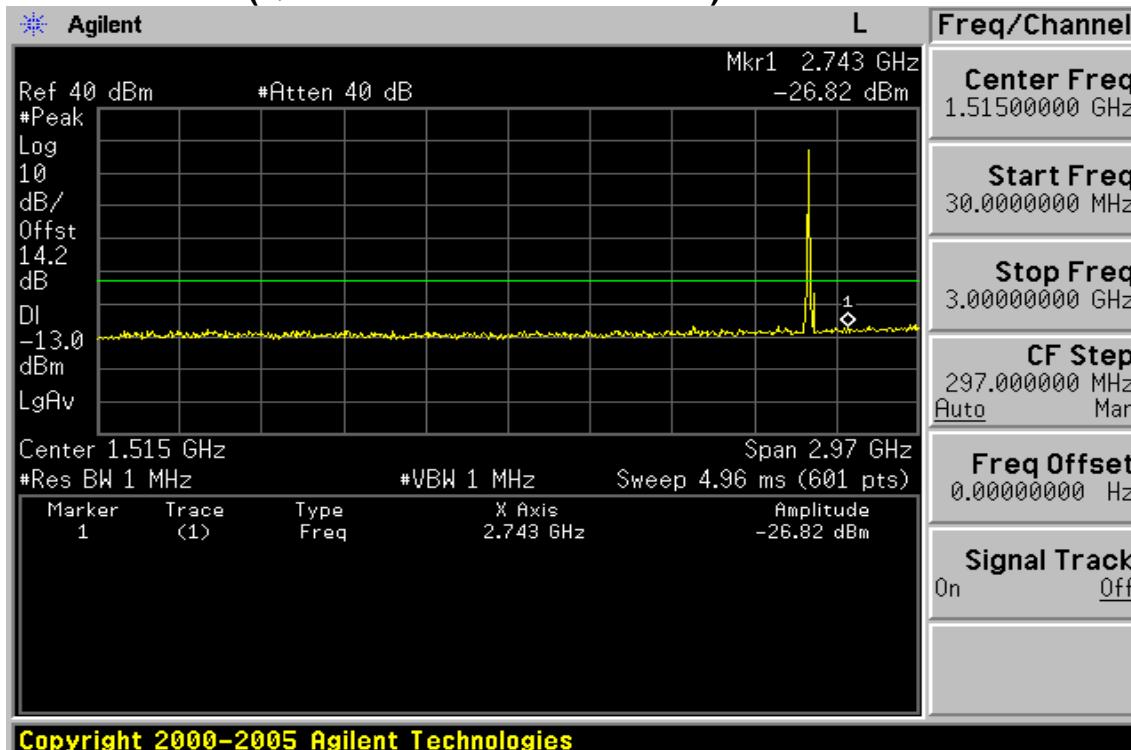


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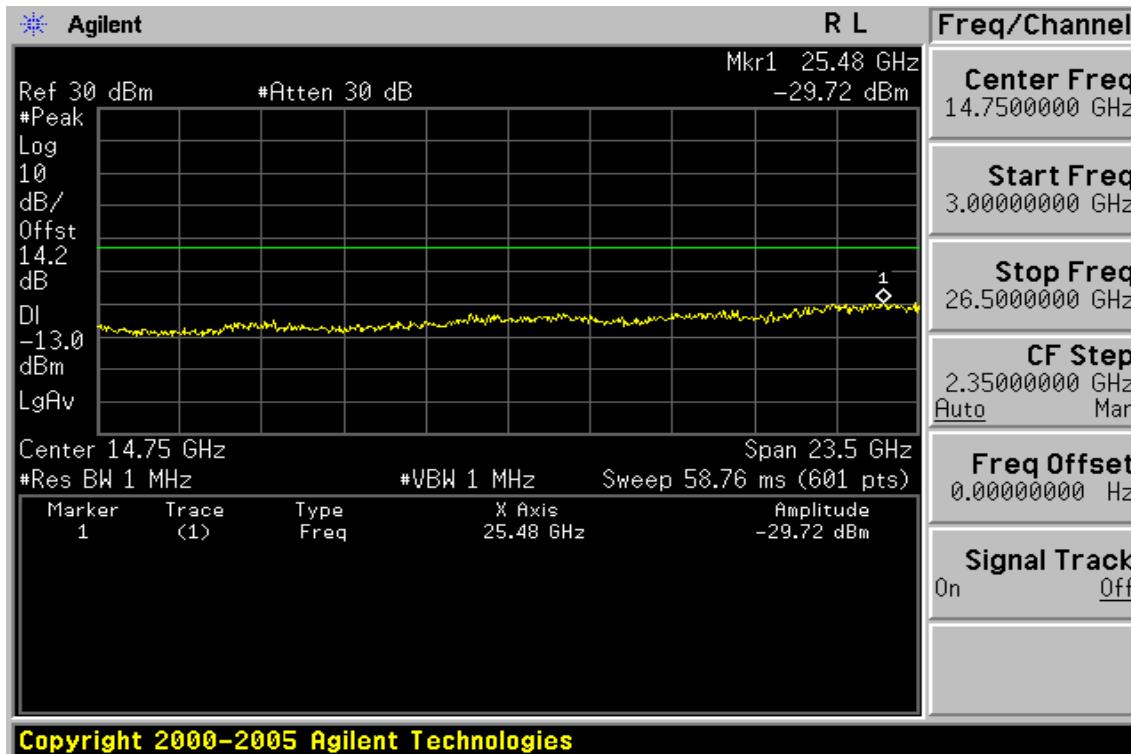
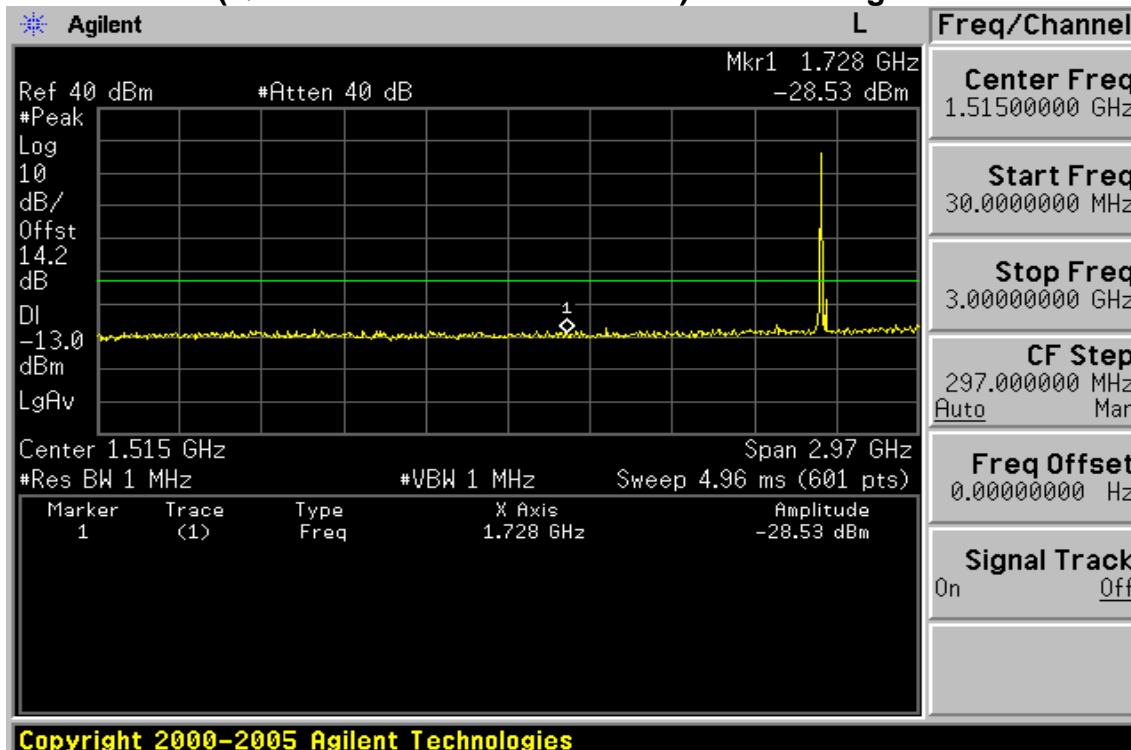
Out of Band emission at antenna terminals –10MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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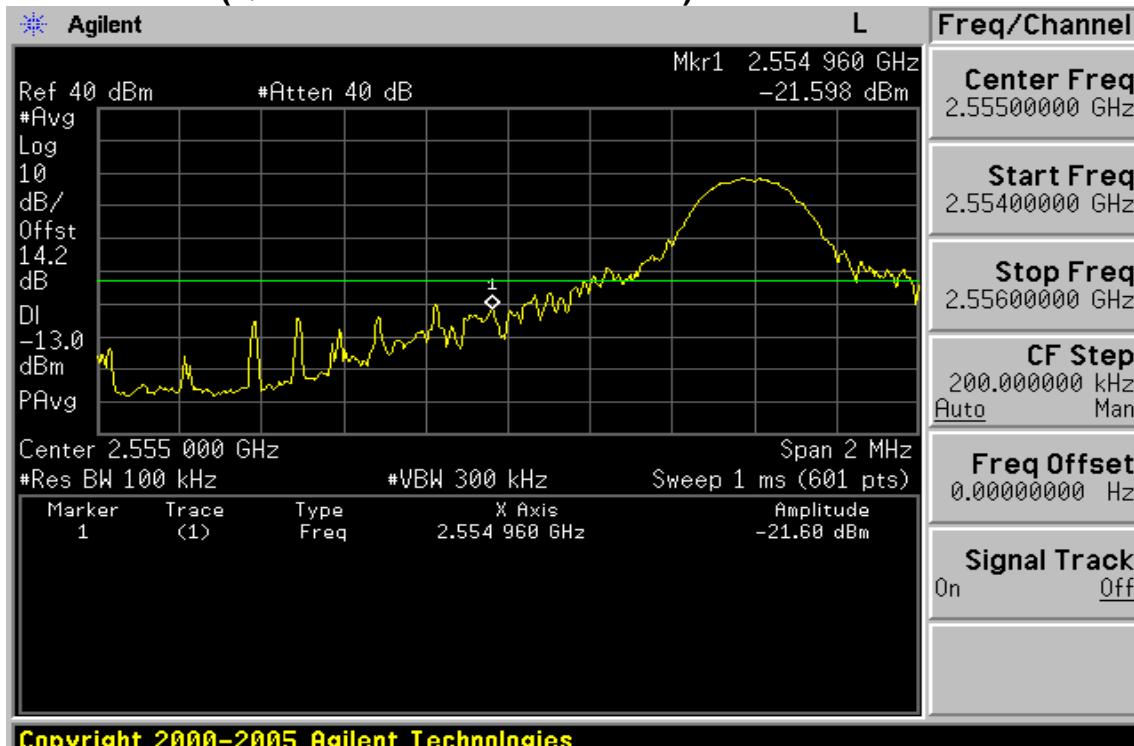
Out of Band emission at antenna terminals – 10MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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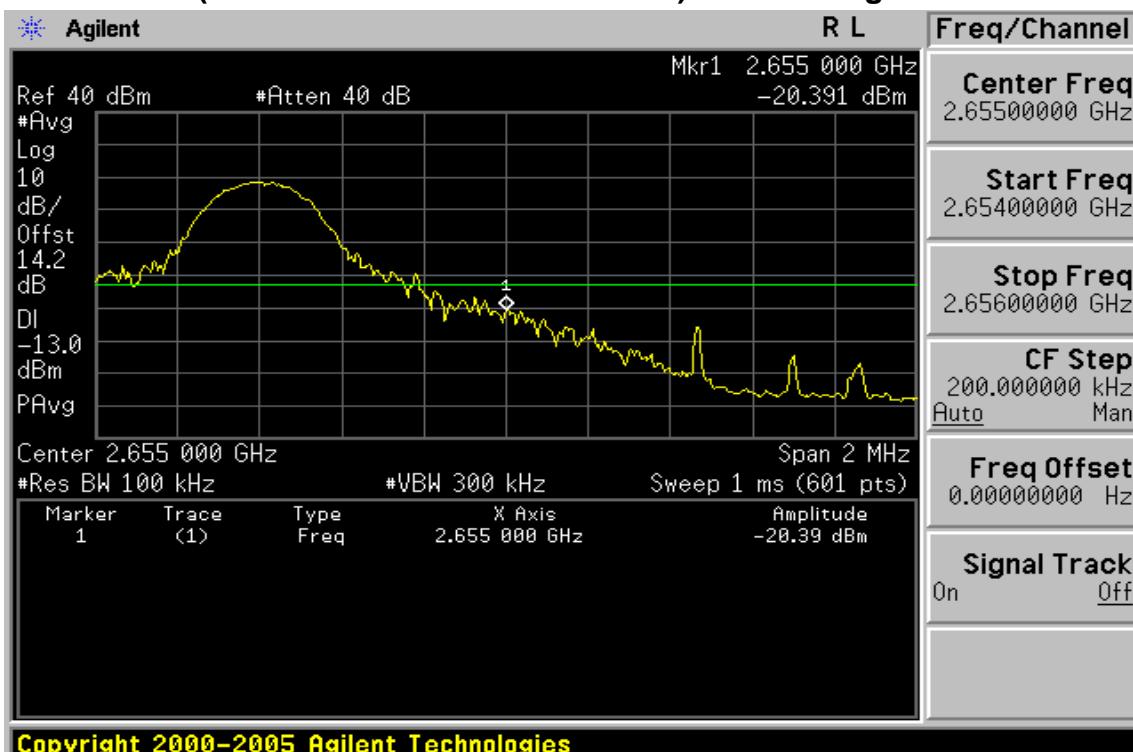
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Band edge emission at antenna terminals – 10MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals – 5MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 49) Channel Highest


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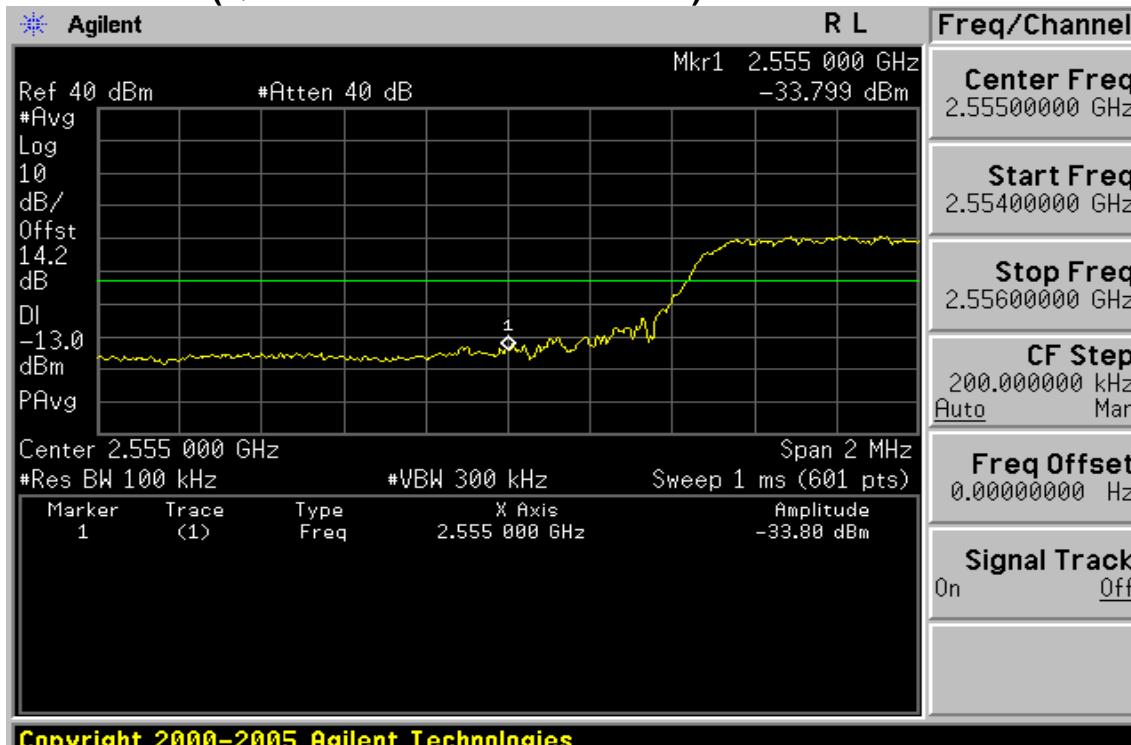
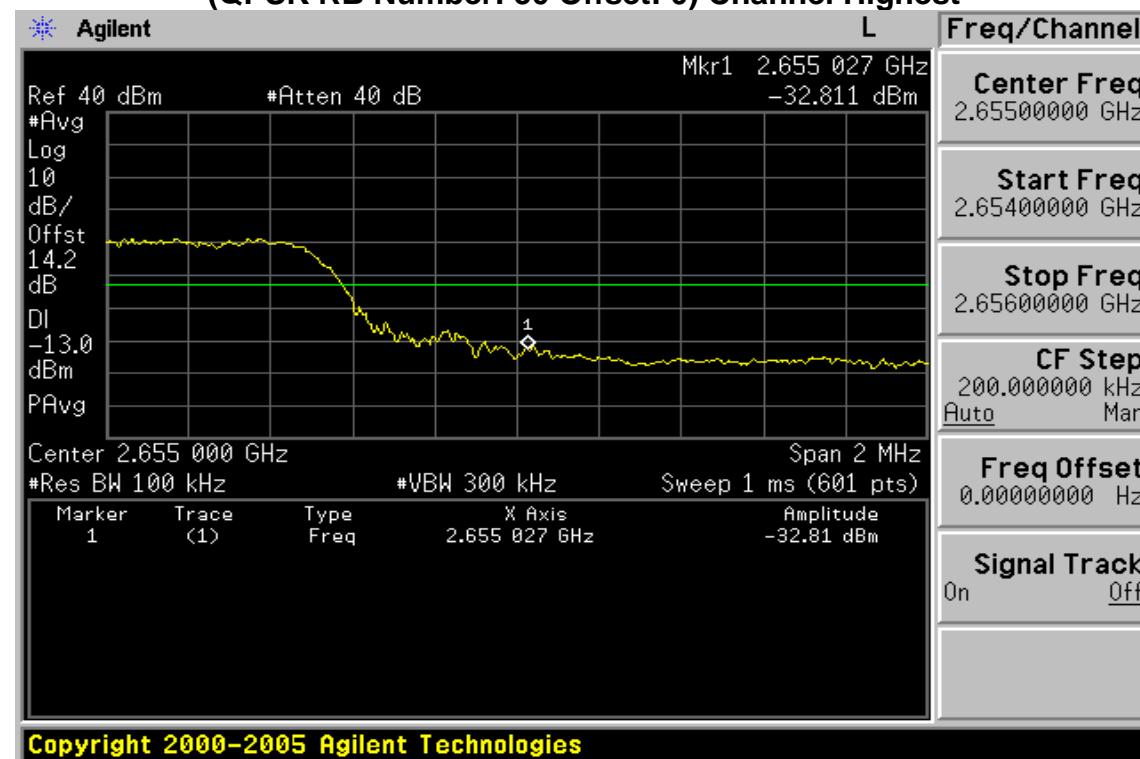
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Band edge emission at antenna terminals – 10MHz BW LTE-Band 41  
 (QPSK RB Number: 50 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals – 10MHz BW LTE-Band 41  
 (QPSK RB Number: 50 Offset: 0) Channel Highest


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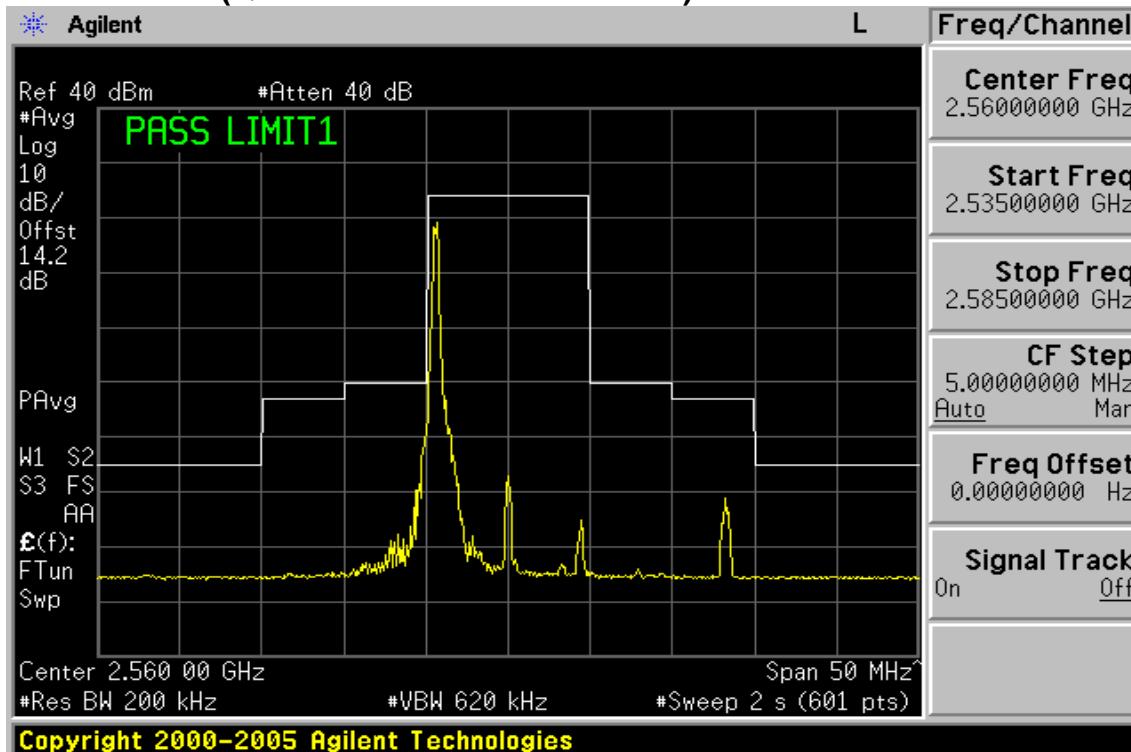
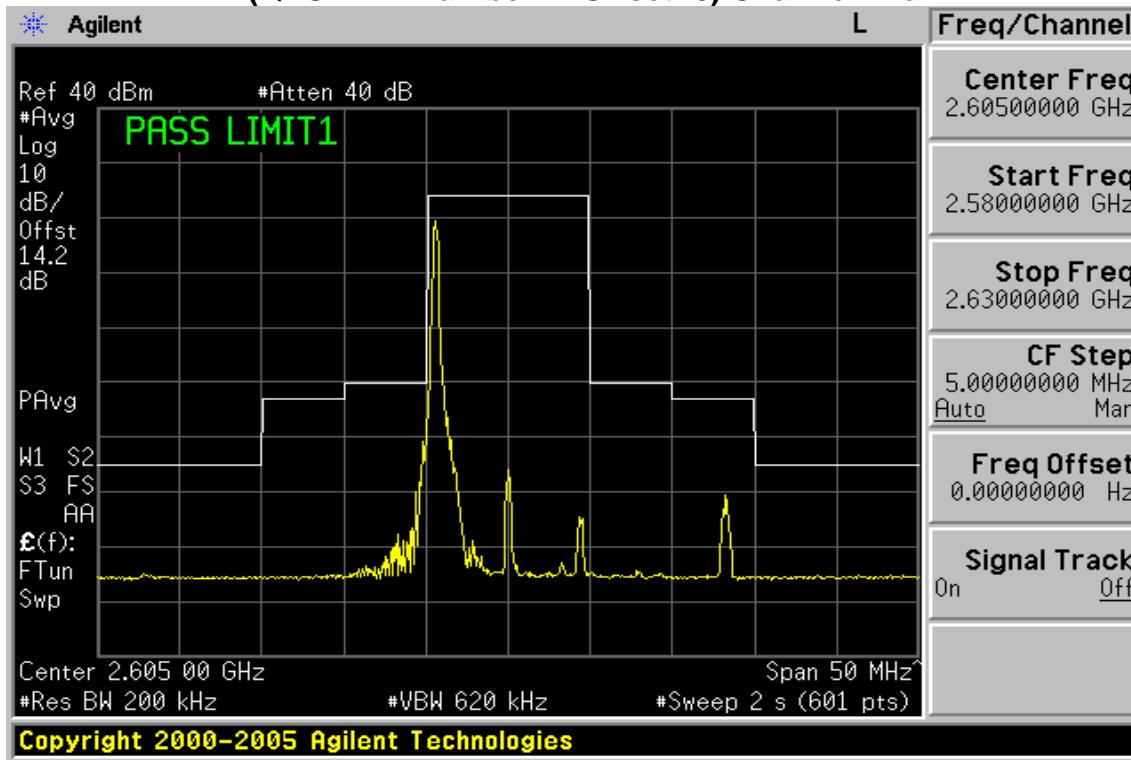
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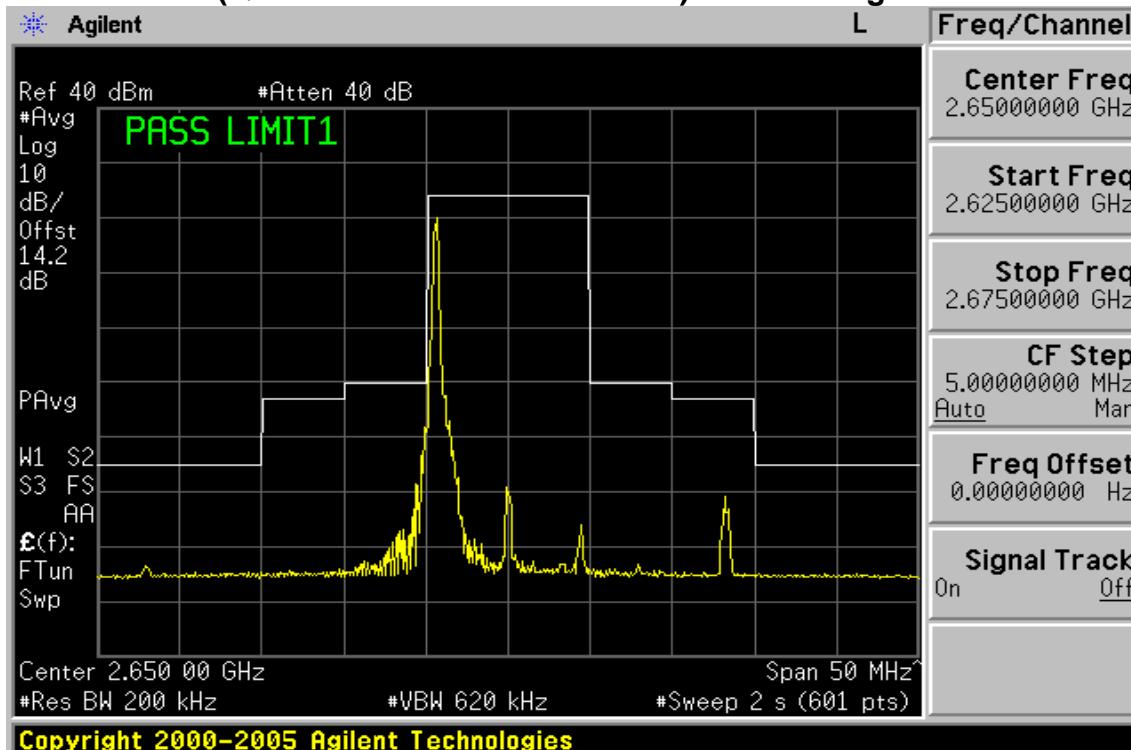
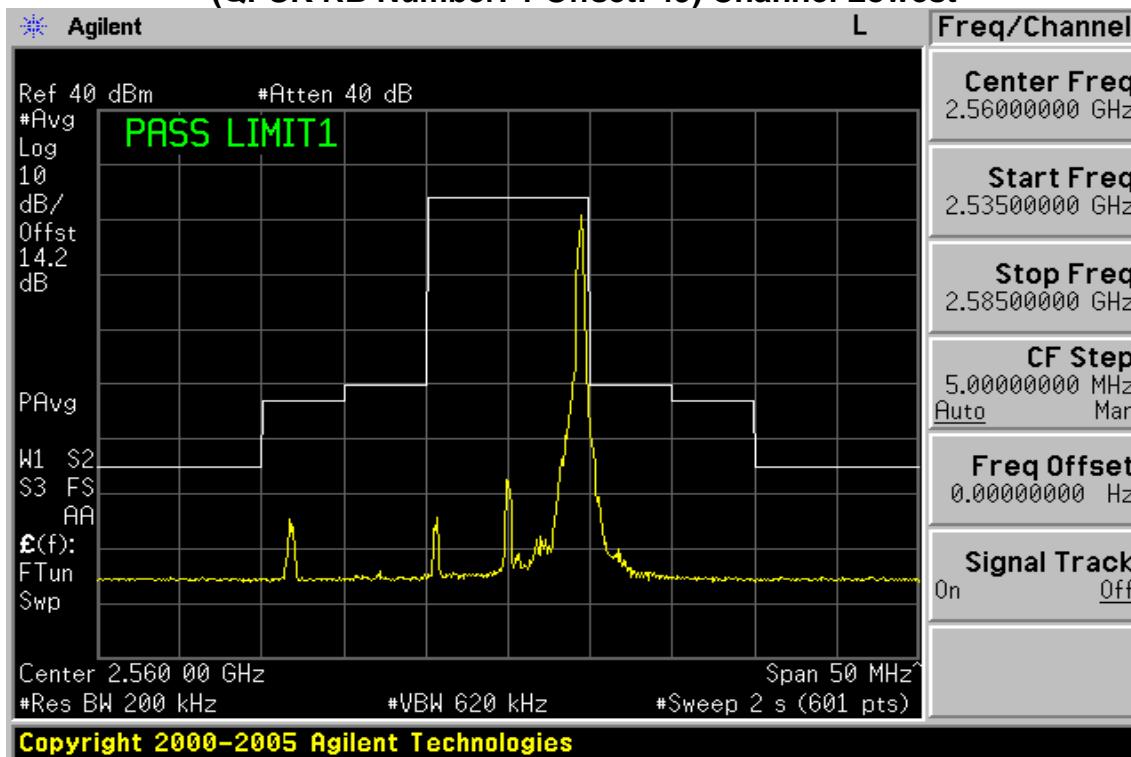
Emission Mask at antenna terminals –10MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –10MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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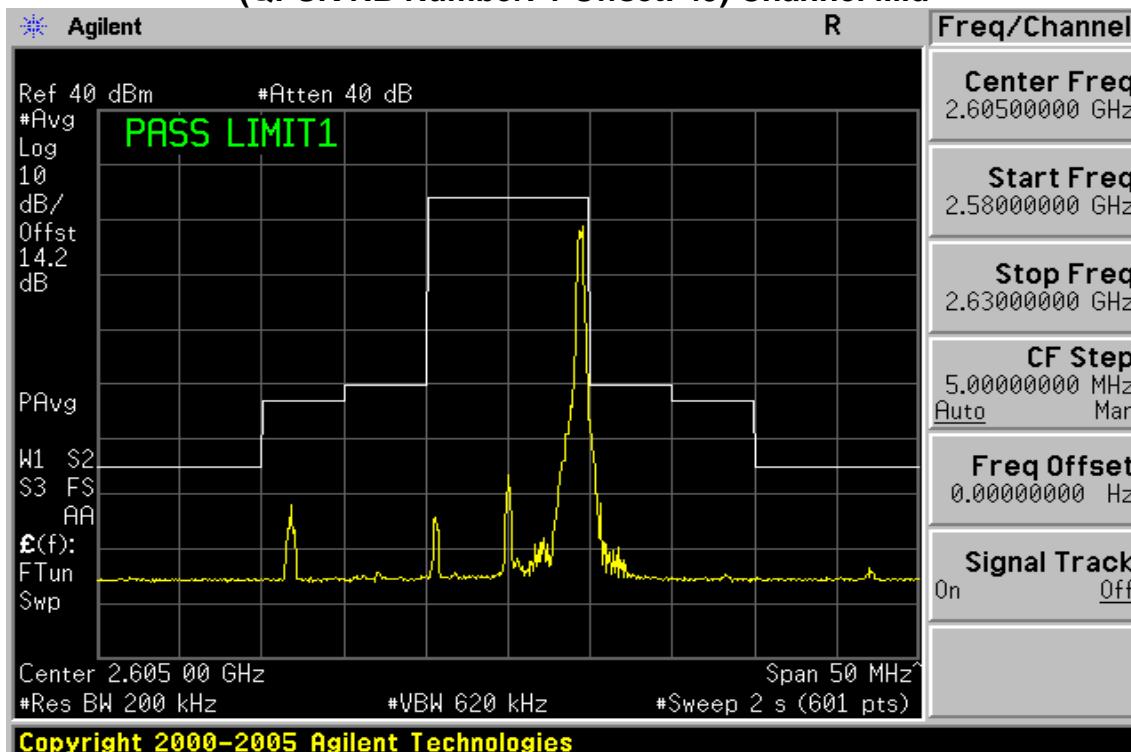
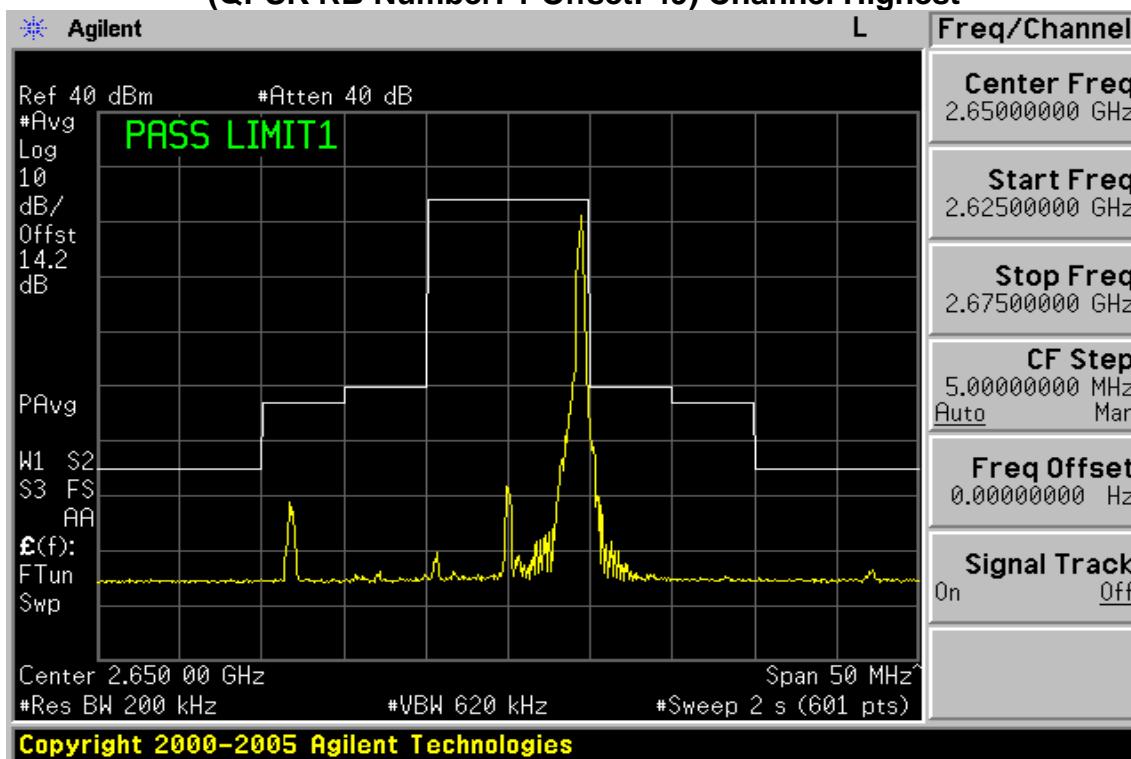
Emission Mask at antenna terminals –10MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –10MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 49) Channel Lowest


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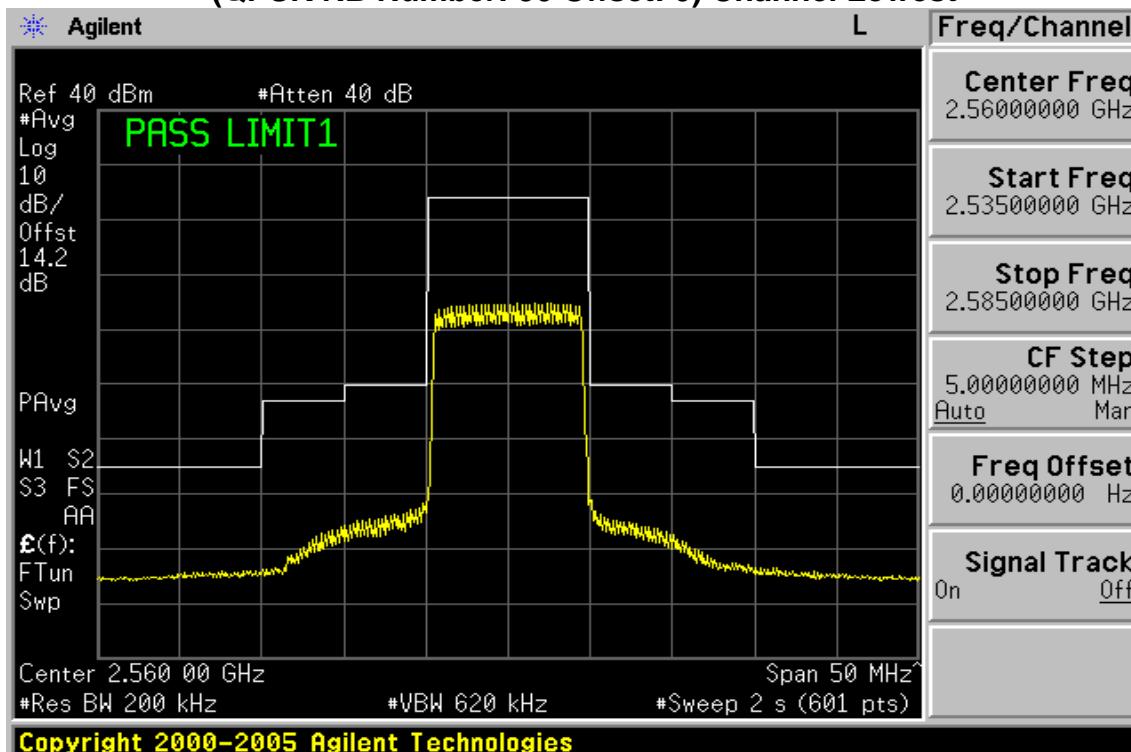
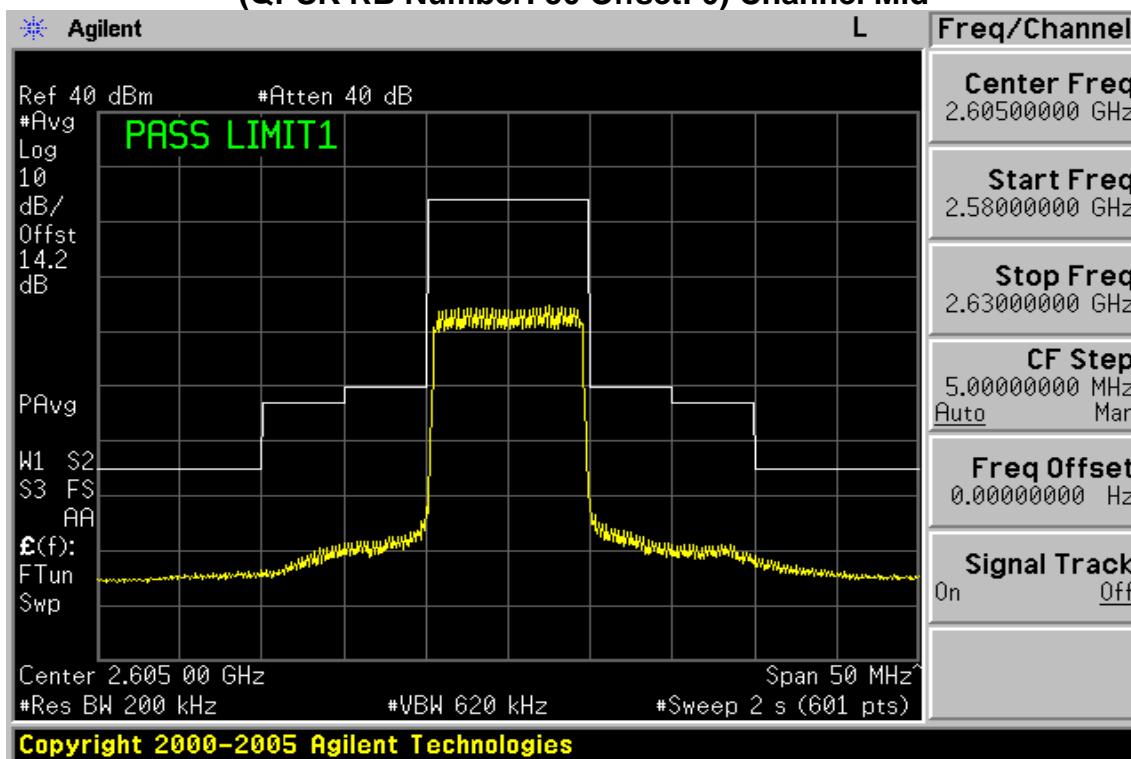
Emission Mask at antenna terminals –10MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 49) Channel Mid

 Emission Mask at antenna terminals –10MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 49) Channel Highest


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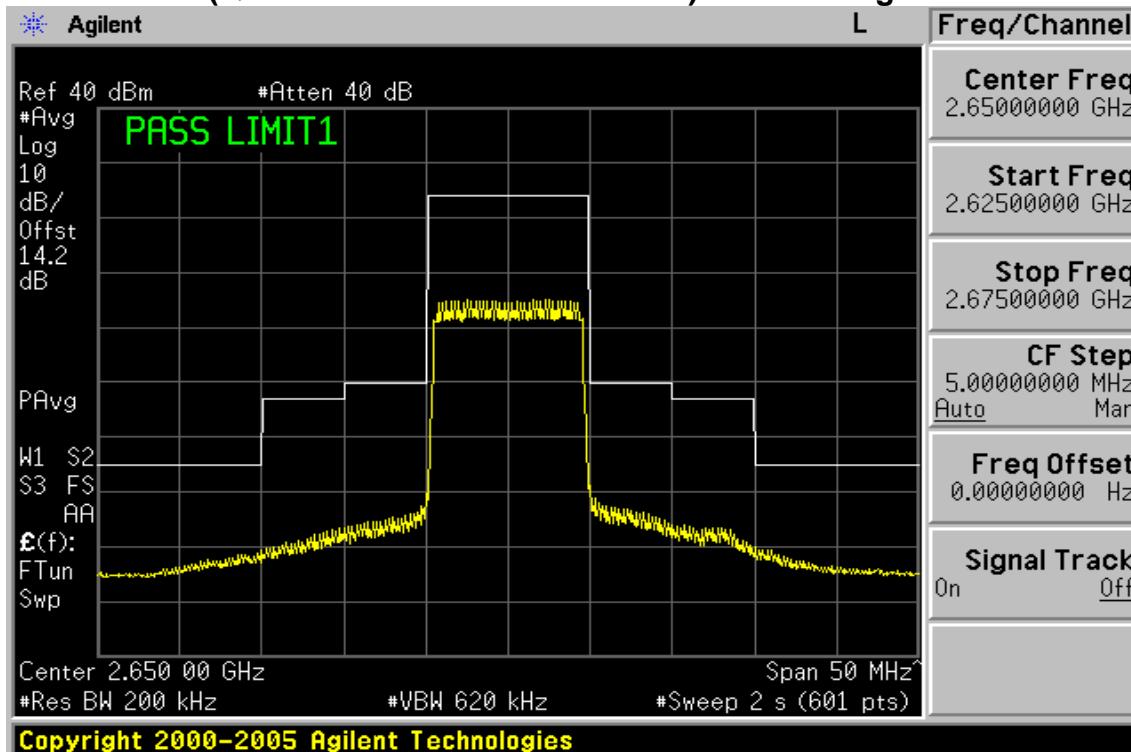
Emission Mask at antenna terminals –10MHz BW LTE-Band 41  
 (QPSK RB Number: 50 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –10MHz BW LTE-Band 41  
 (QPSK RB Number: 50 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –10MHz BW LTE-Band 41  
(QPSK RB Number: 50 Offset: 0) Channel Highest**

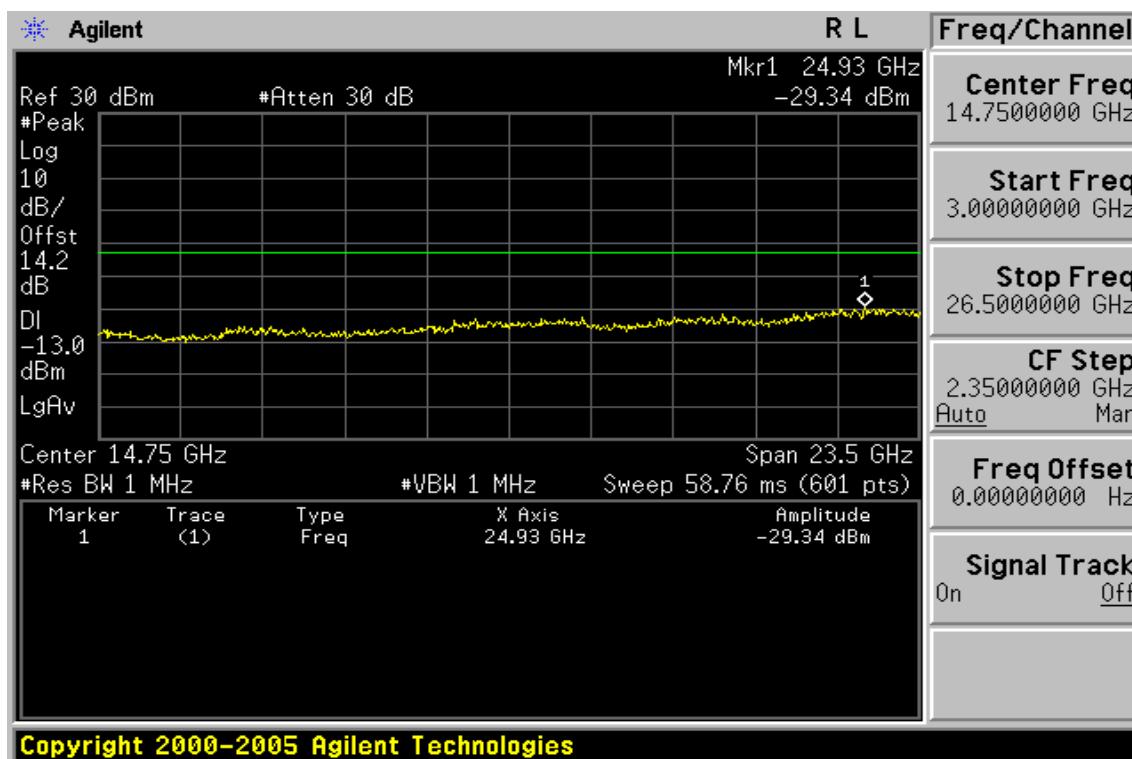
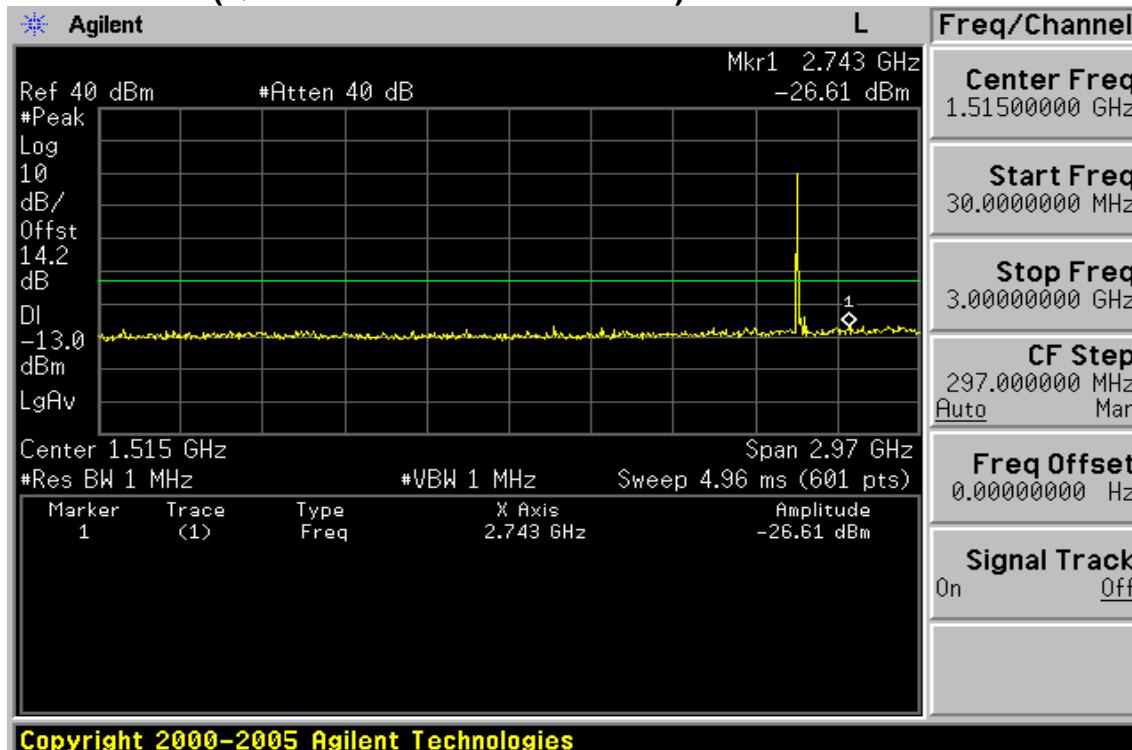
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## Out of Band emission at antenna terminals – 15MHz BW LTE-Band 41

### (QPSK RB Number: 1 Offset: 0) Channel Lowest

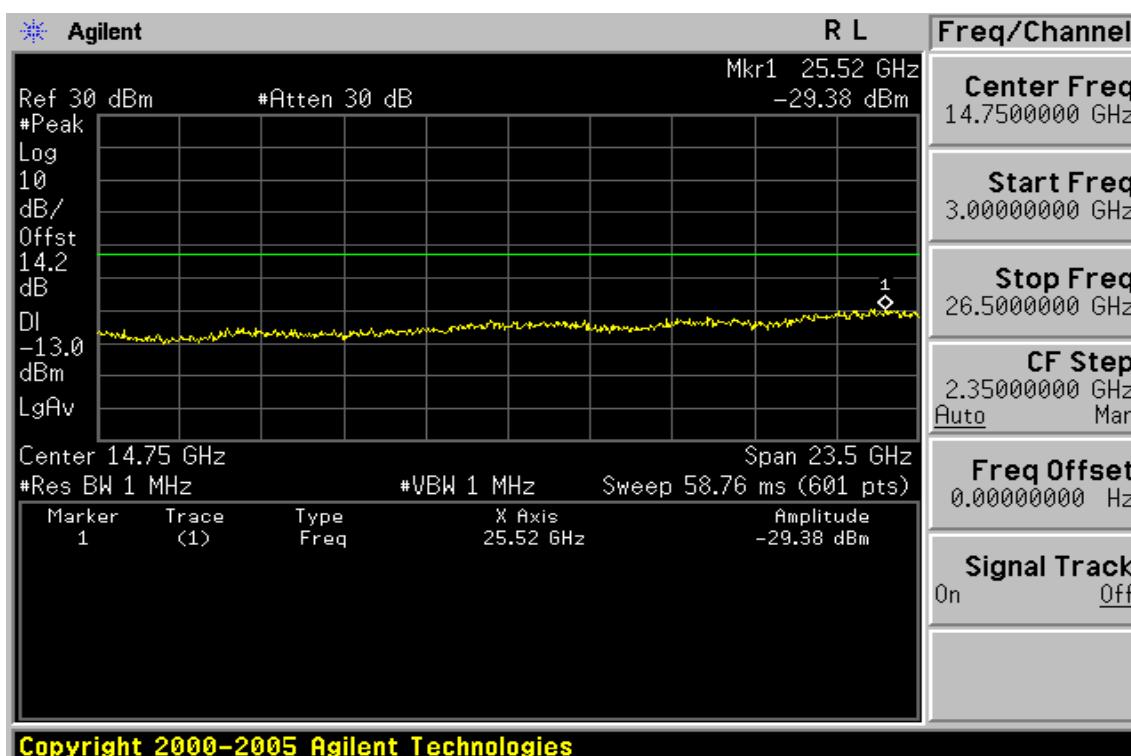
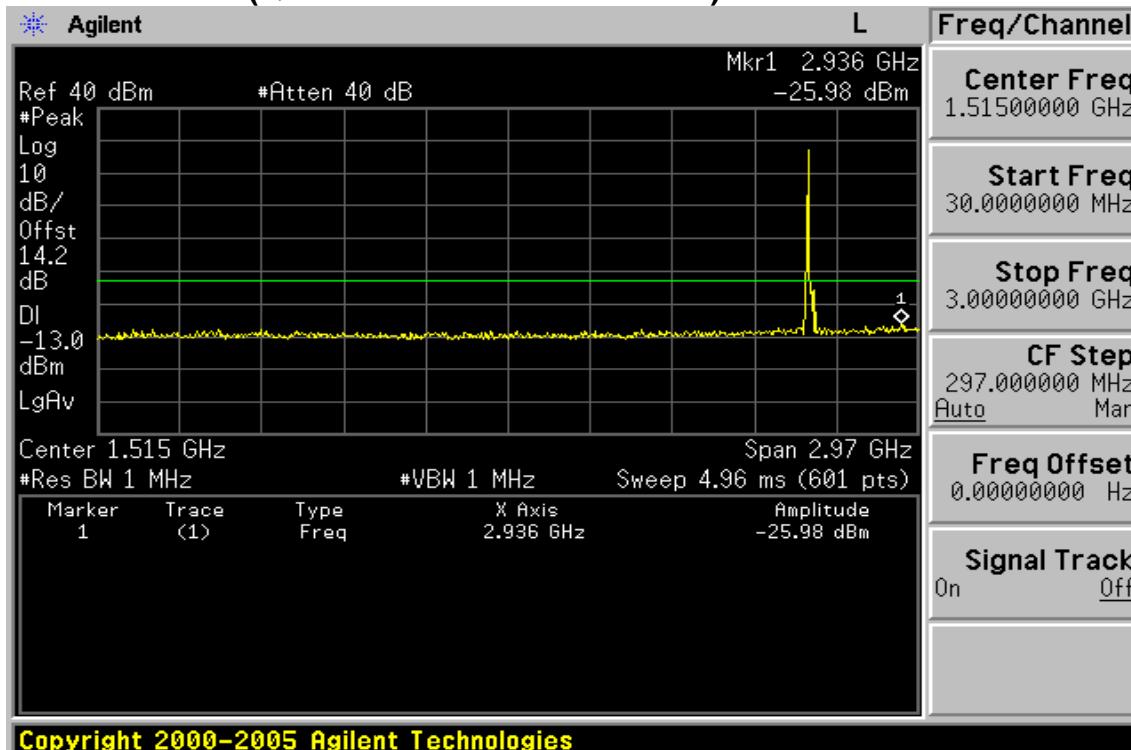


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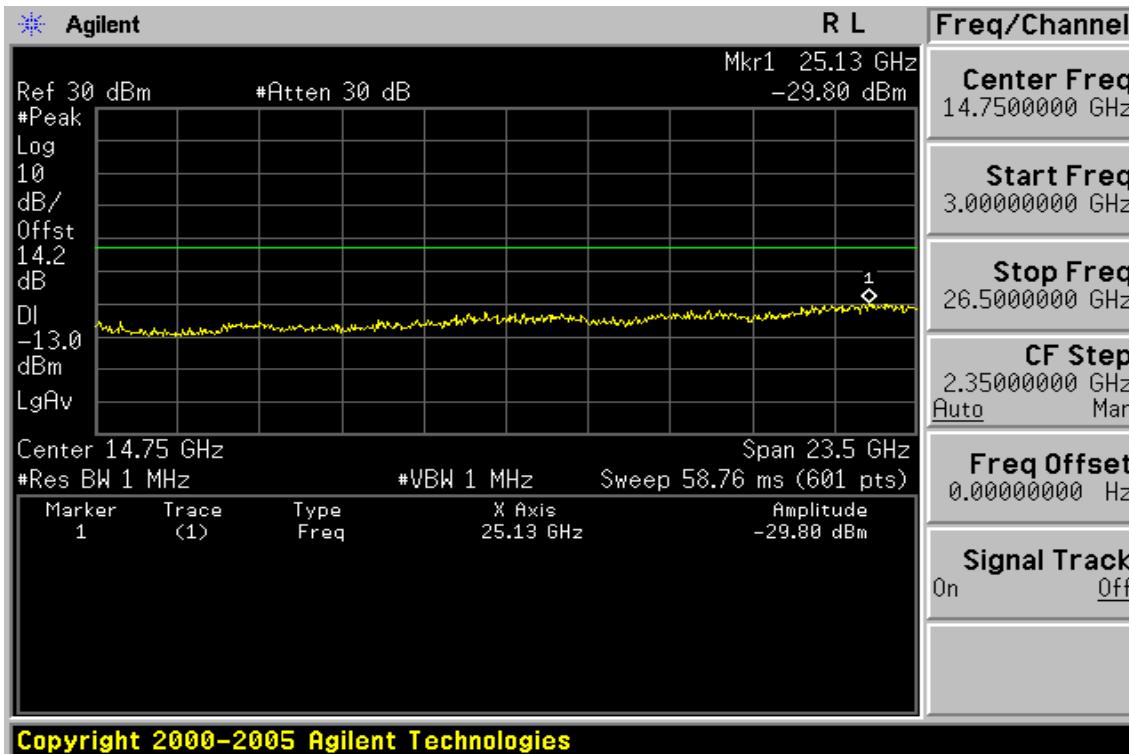
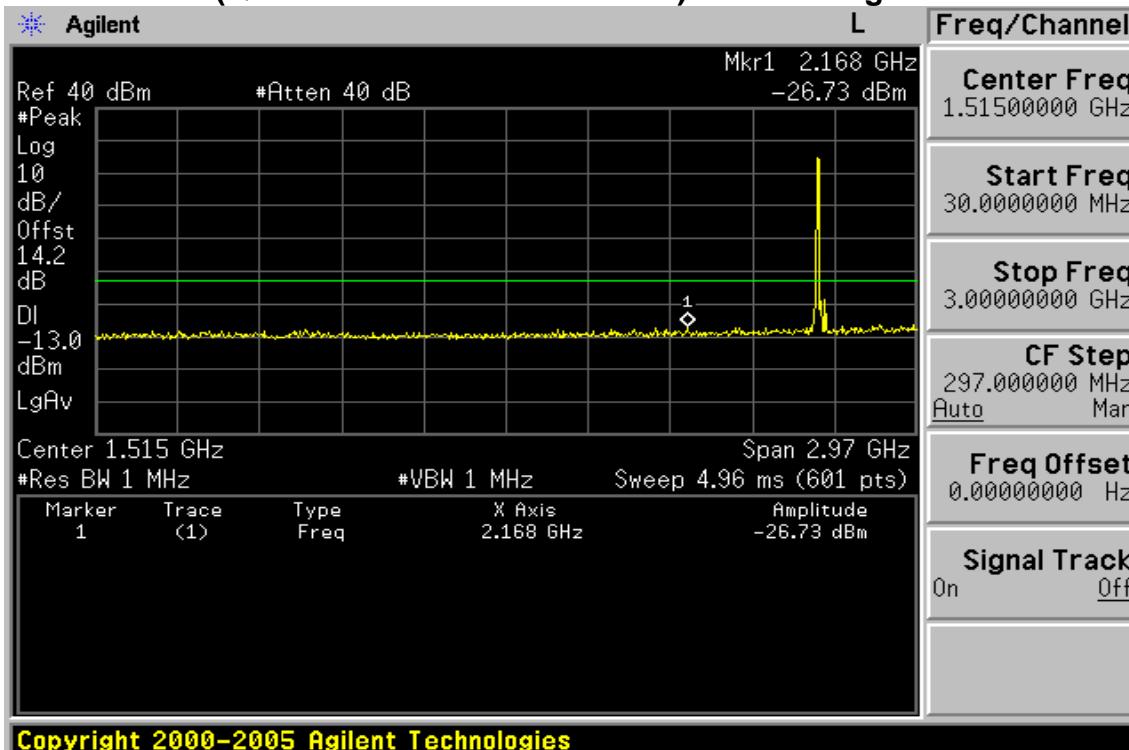
Out of Band emission at antenna terminals –15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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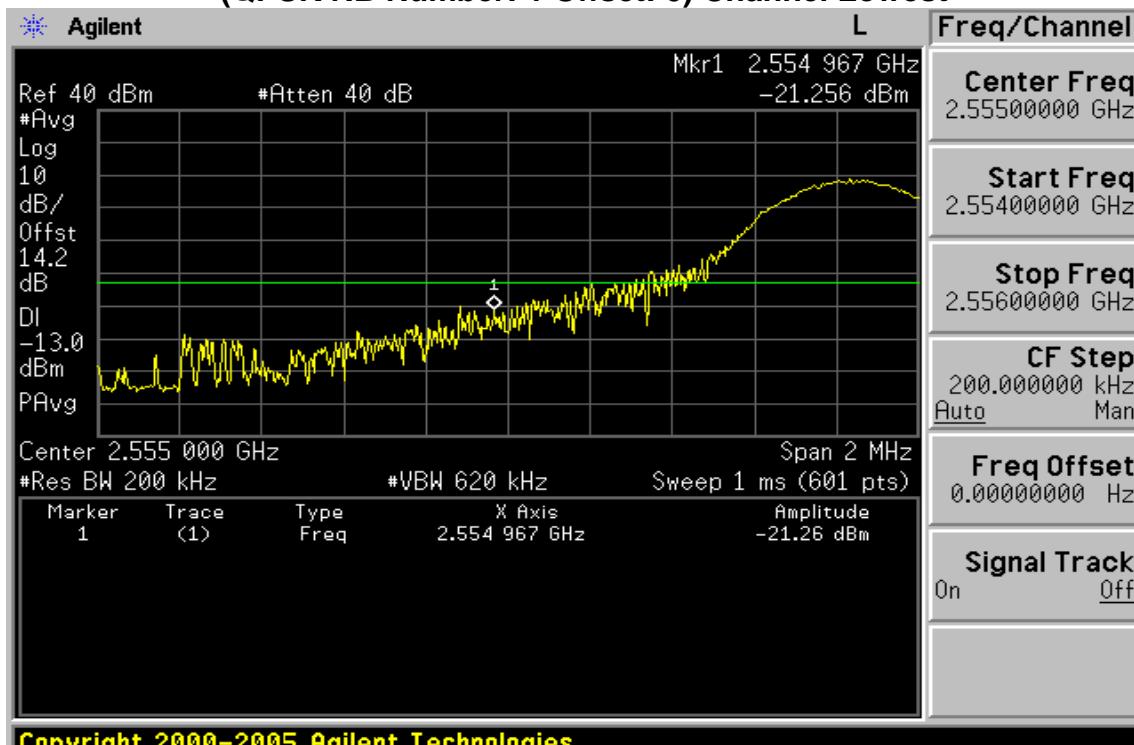
Out of Band emission at antenna terminals – 15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Highest


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Band edge emission at antenna terminals – 15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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 Band edge emission at antenna terminals – 15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 74) Channel Highest


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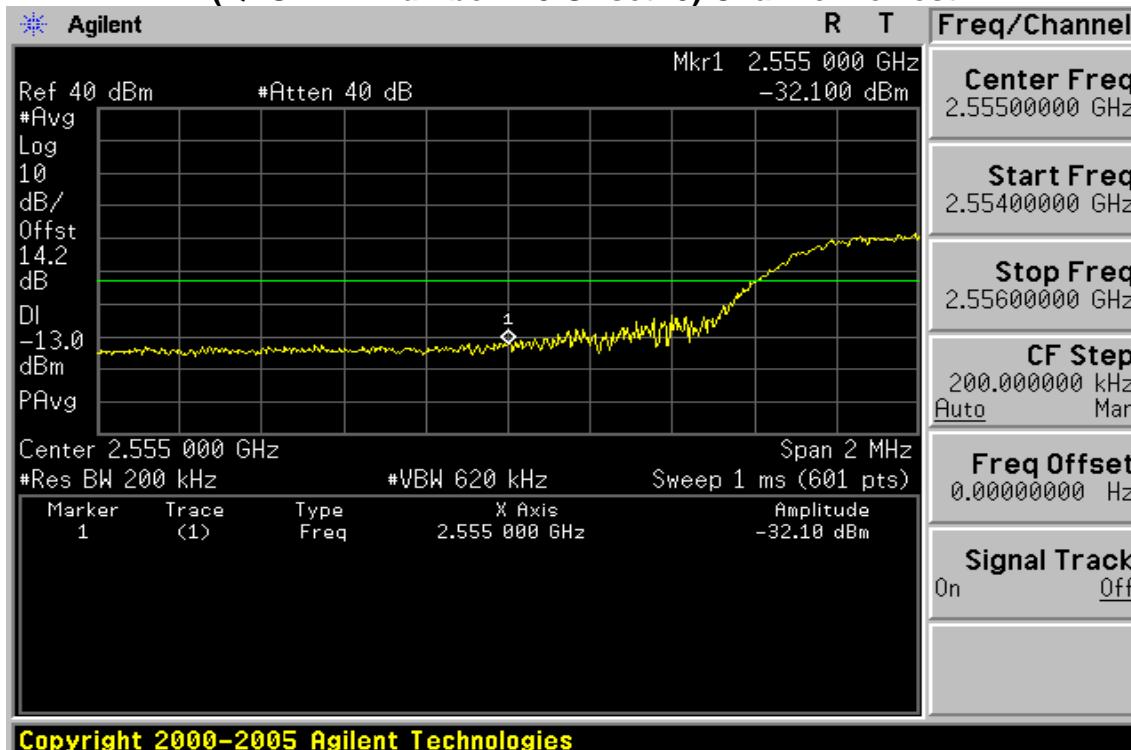
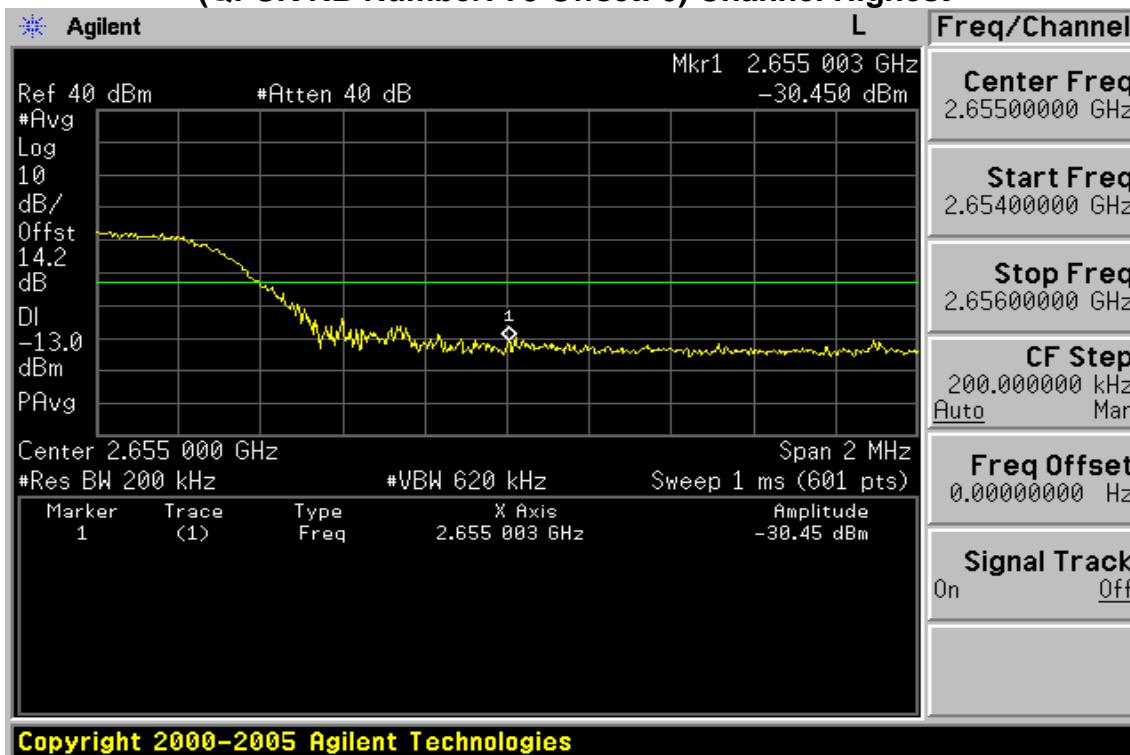
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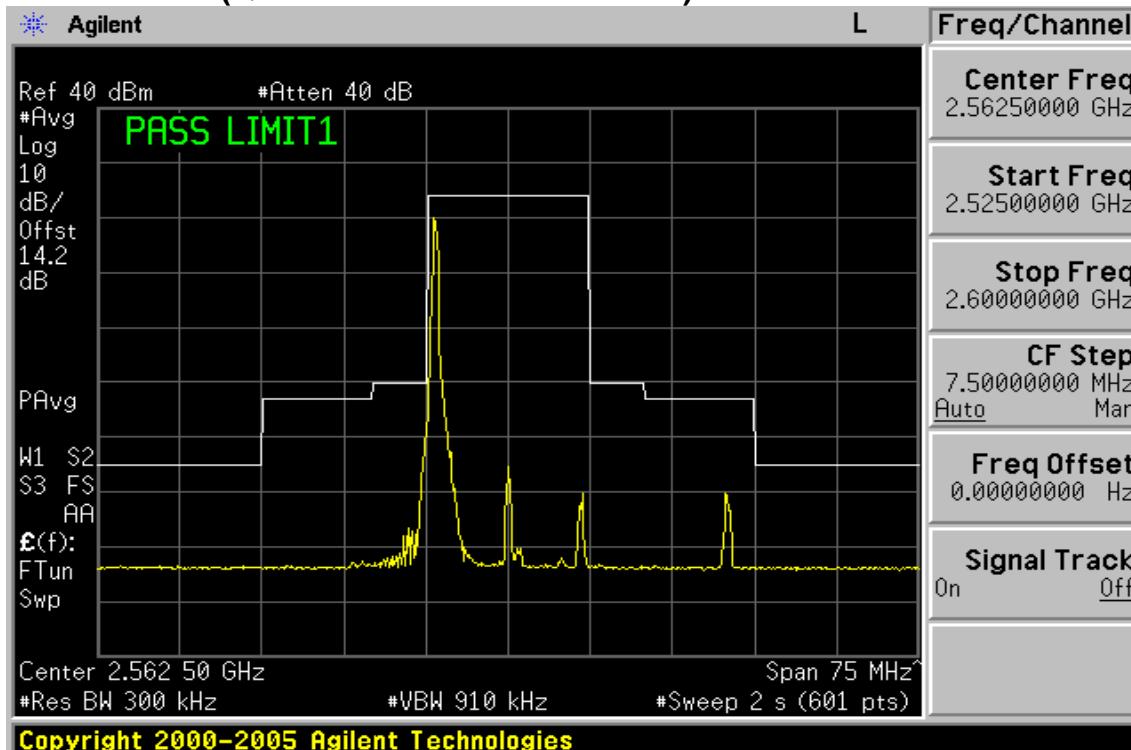
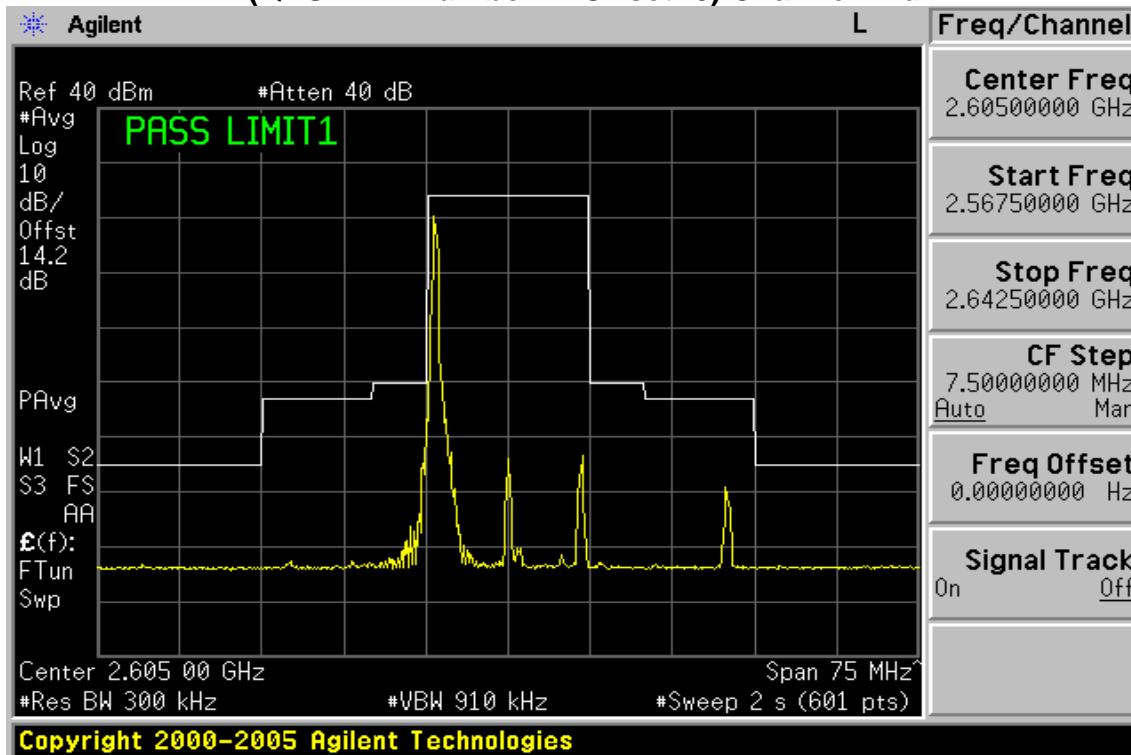
Band edge emission at antenna terminals – 15MHz BW LTE-Band 41  
 (QPSK RB Number: 75 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals – 15MHz BW LTE-Band 41  
 (QPSK RB Number: 75 Offset: 0) Channel Highest


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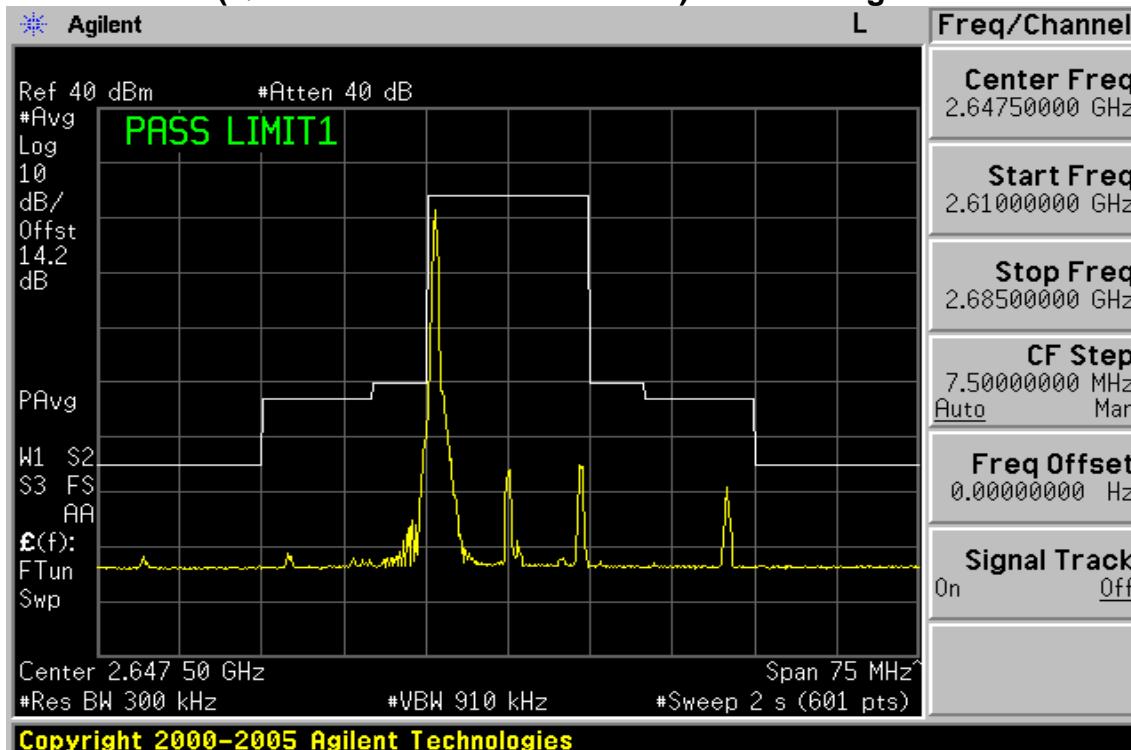
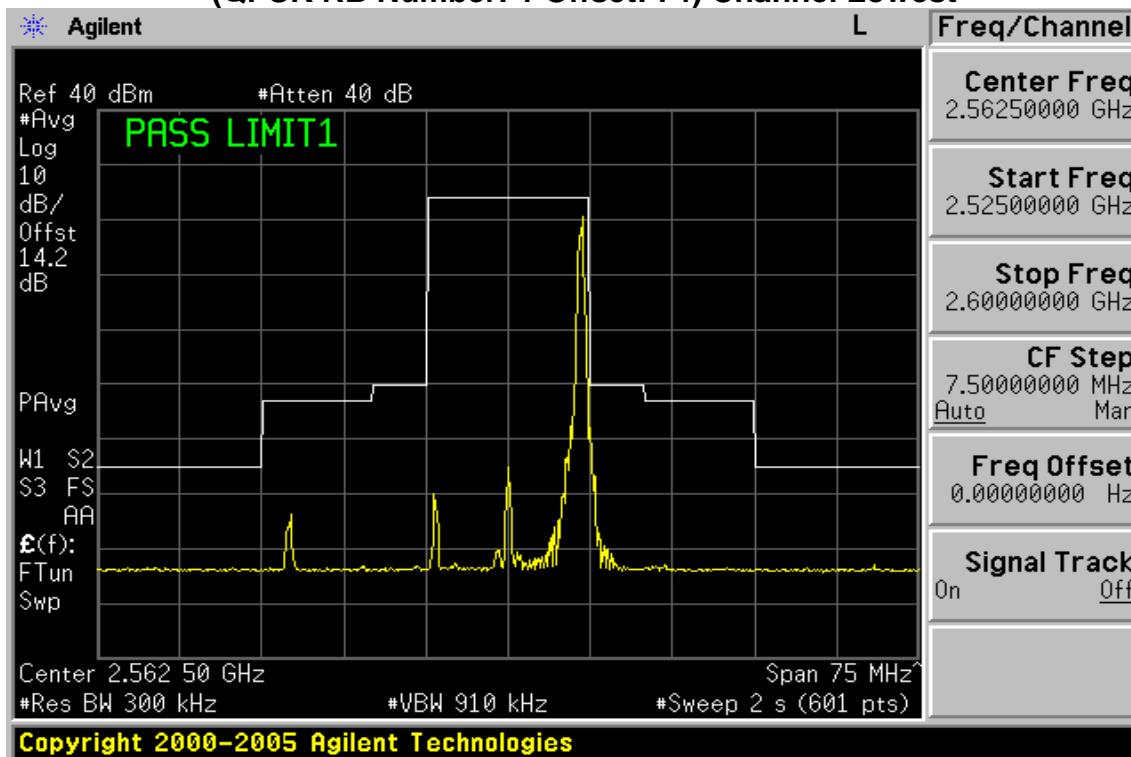
Emission Mask at antenna terminals –15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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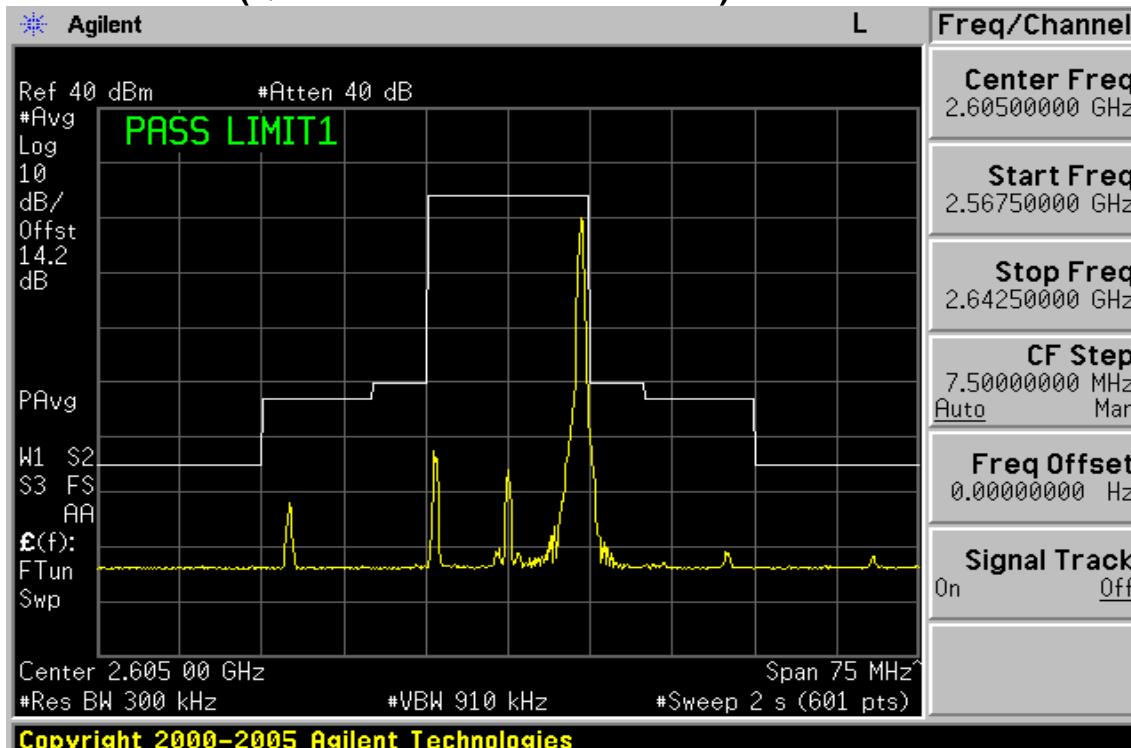
Emission Mask at antenna terminals –15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 74) Channel Lowest


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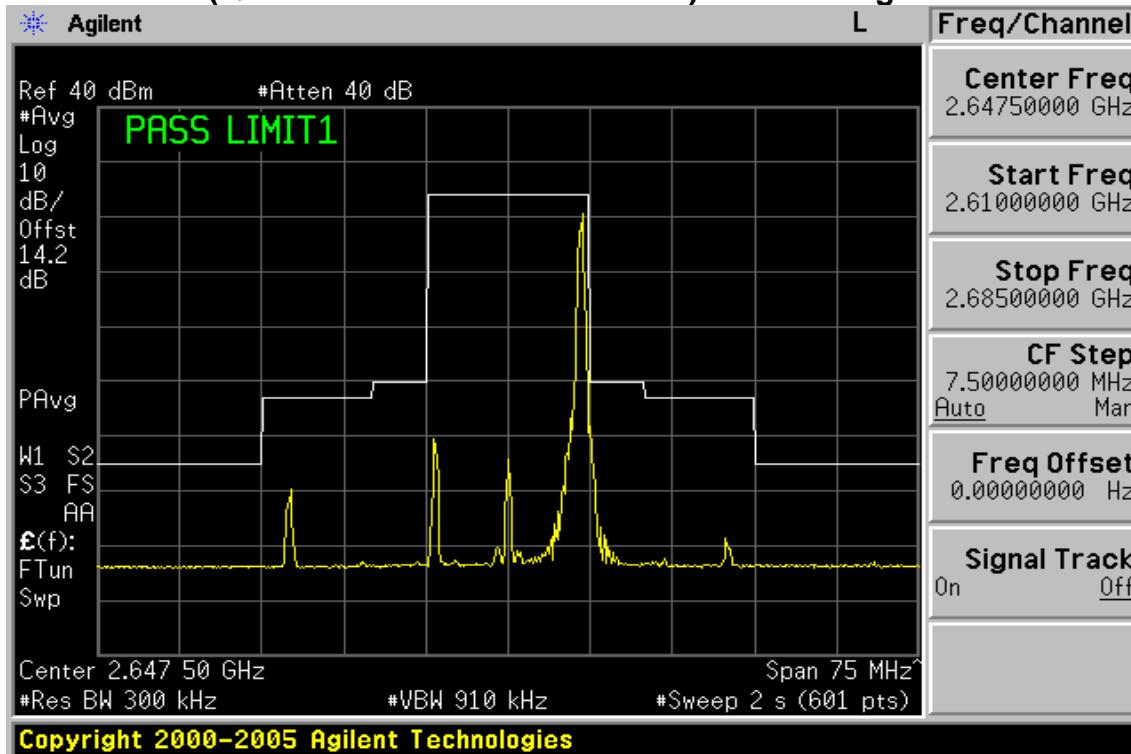
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Emission Mask at antenna terminals –15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 74) Channel Mid


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 Emission Mask at antenna terminals –15MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 74) Channel Highest


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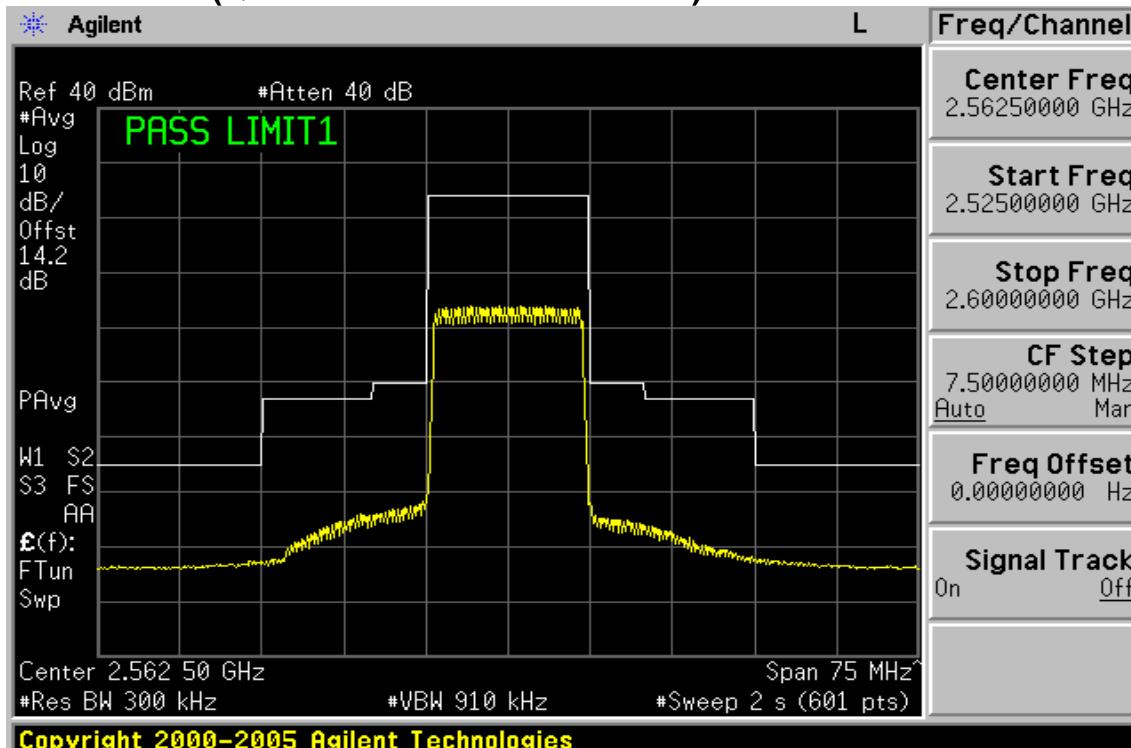
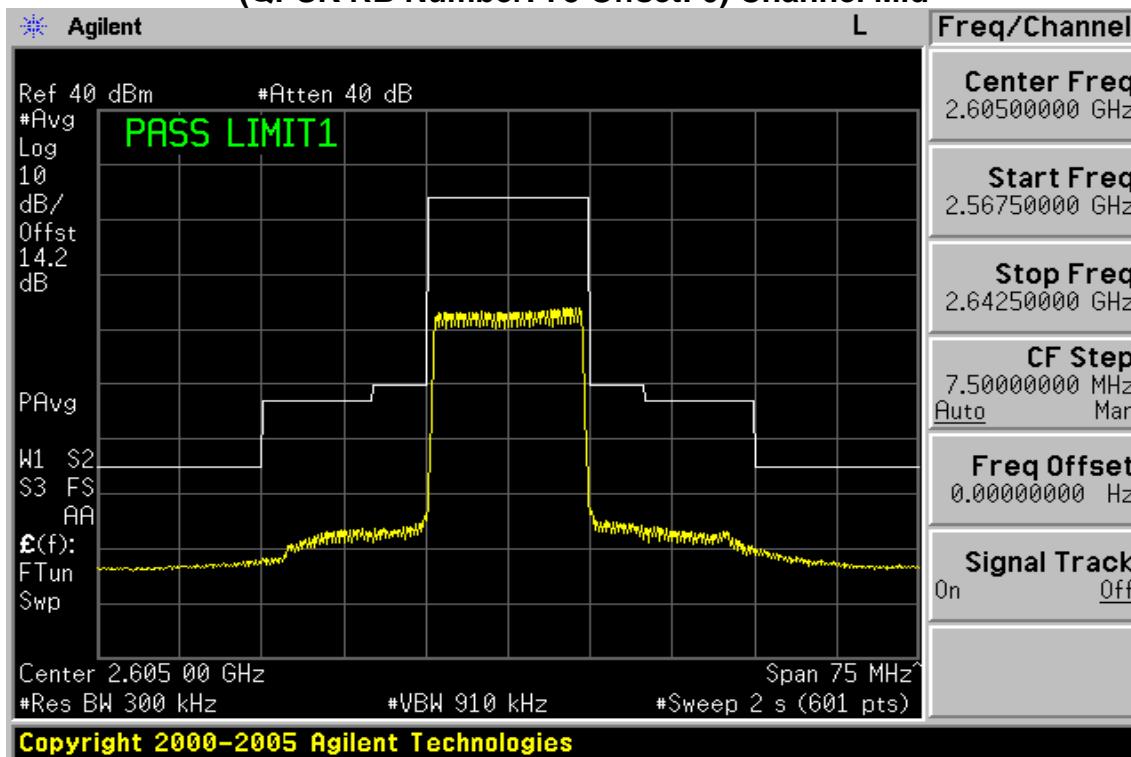
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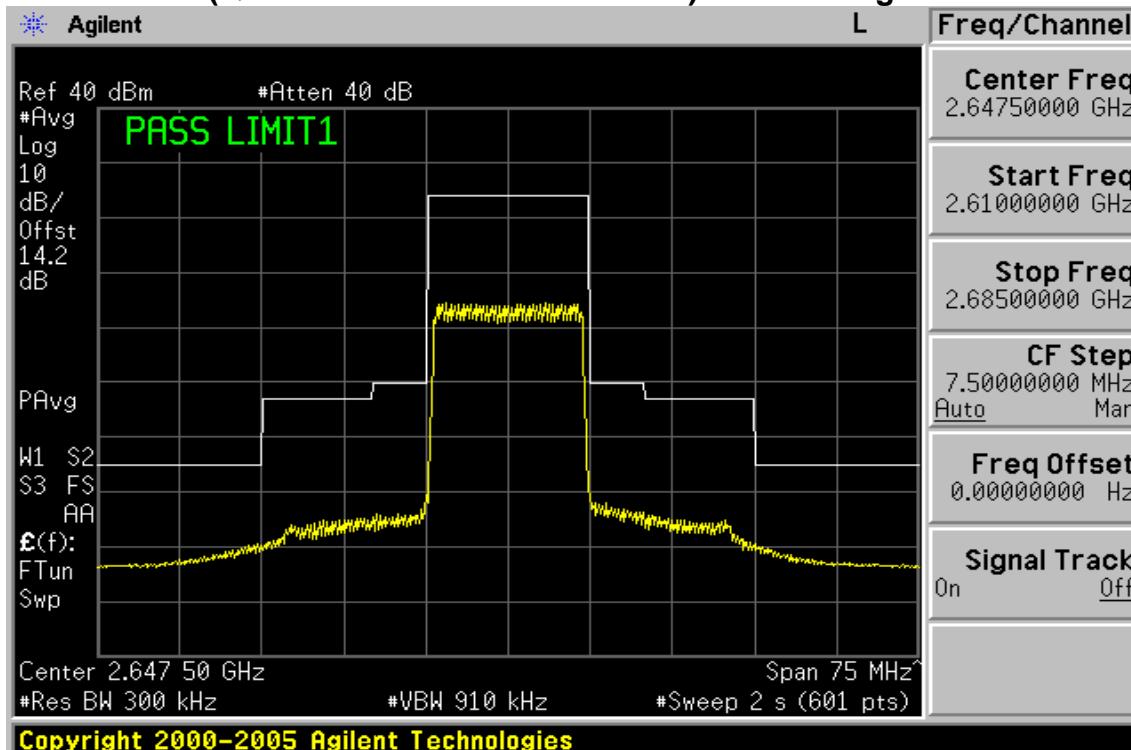
Emission Mask at antenna terminals –15MHz BW LTE-Band 41  
 (QPSK RB Number: 75 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –15MHz BW LTE-Band 41  
 (QPSK RB Number: 75 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –15MHz BW LTE-Band 41  
(QPSK RB Number: 75 Offset: 0) Channel Highest**

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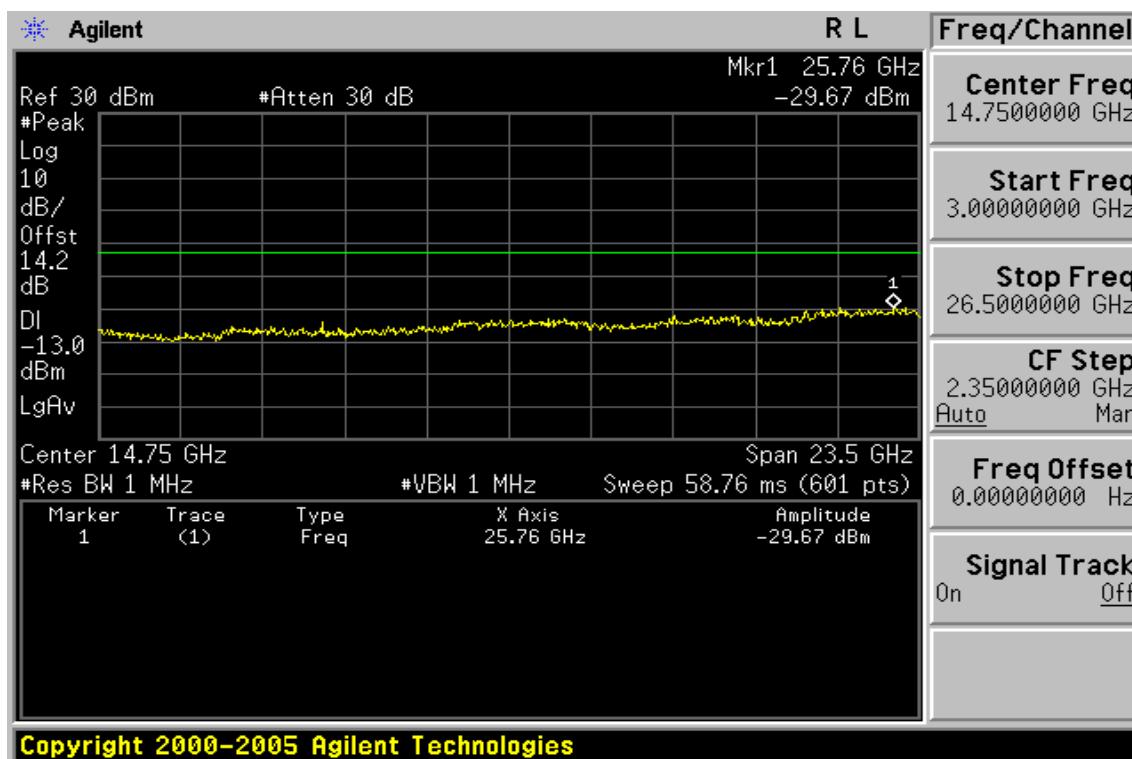
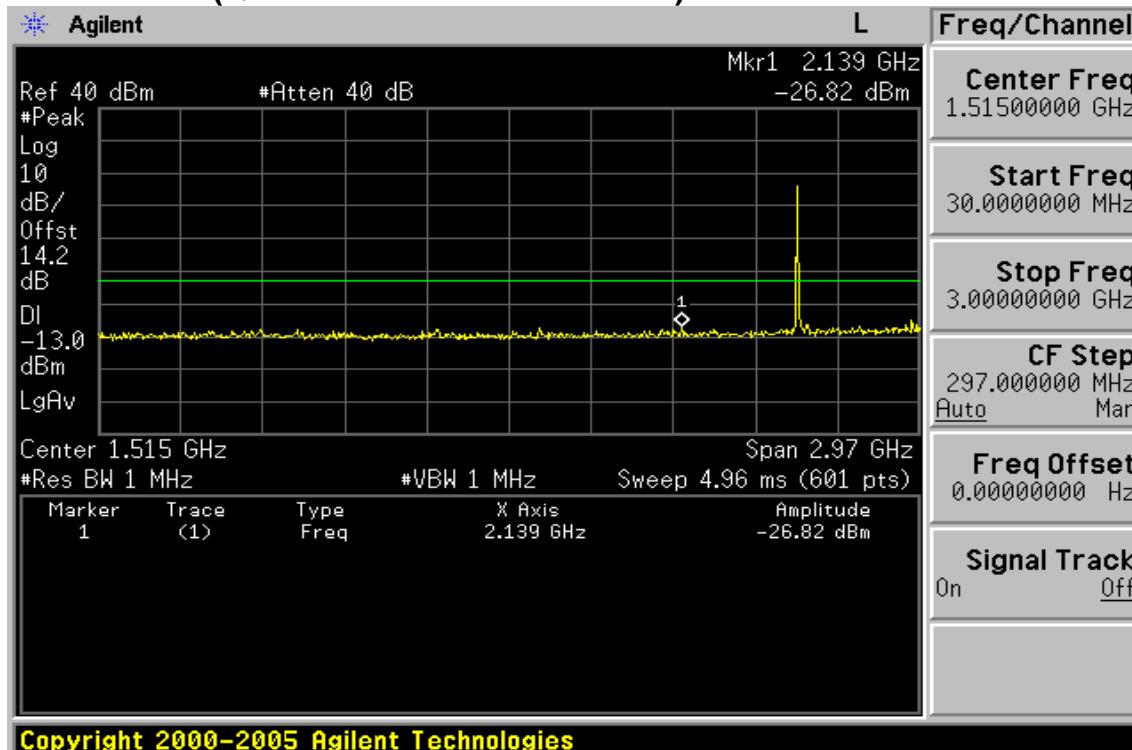
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Out of Band emission at antenna terminals – 20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest


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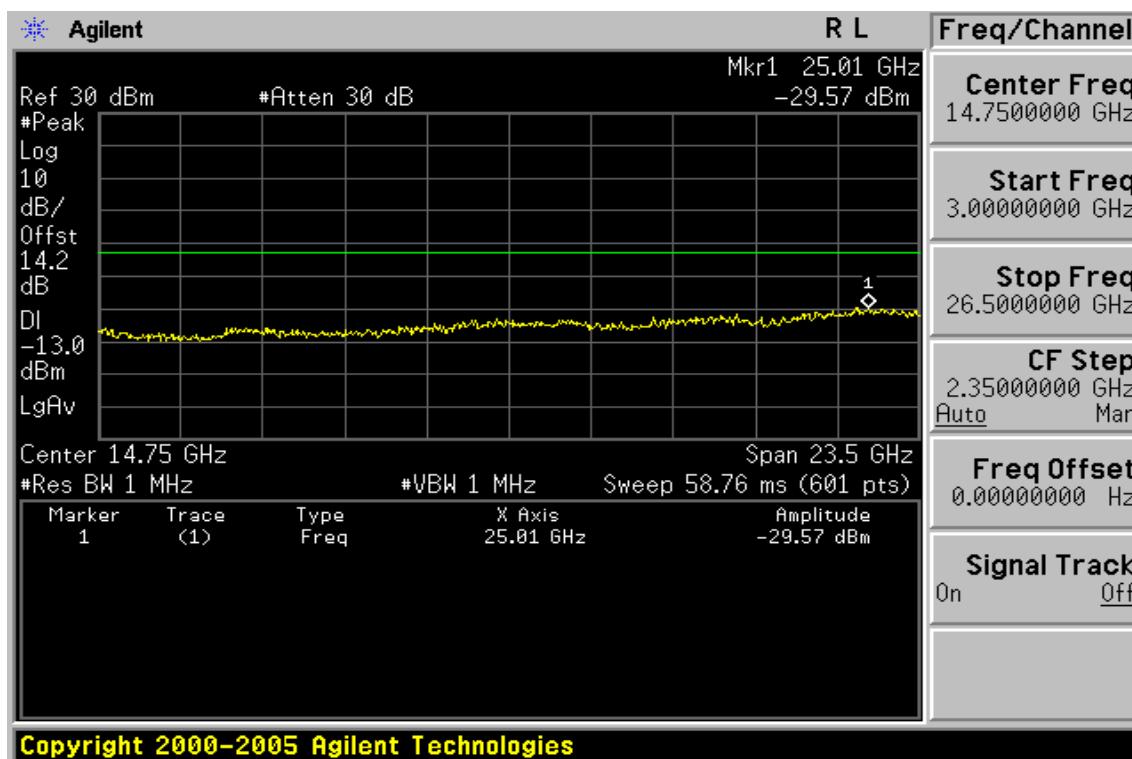
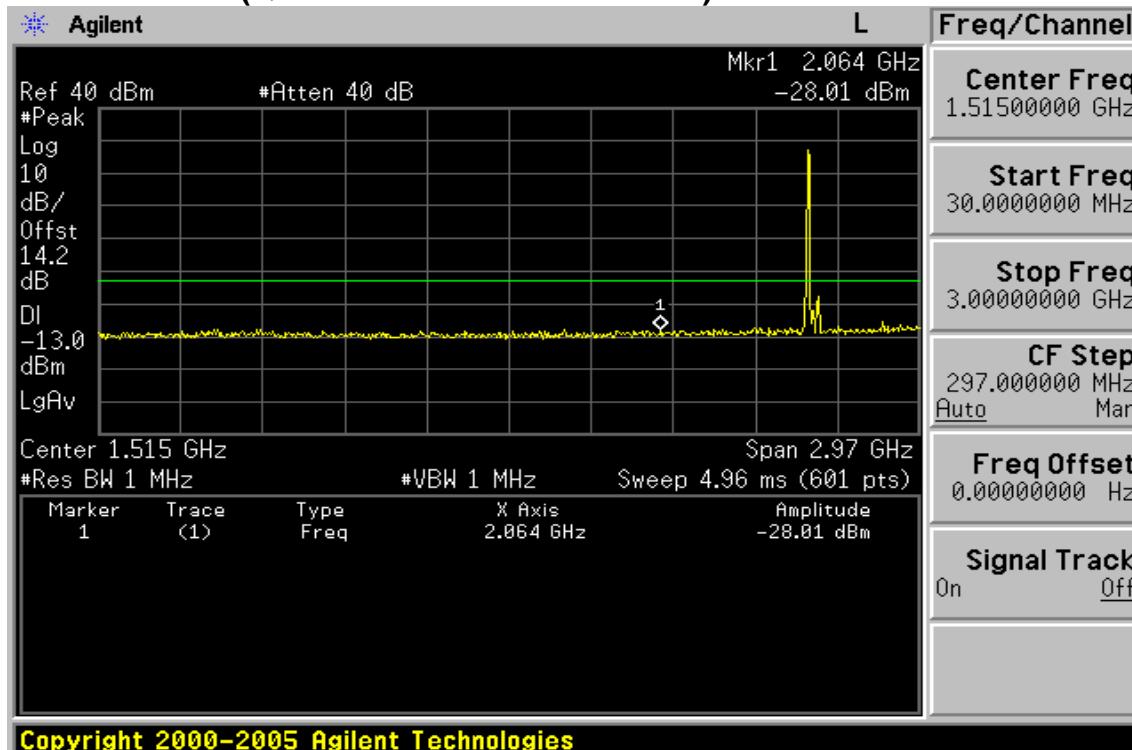
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**Out of Band emission at antenna terminals – 20MHz BW LTE-Band 41**  
**(QPSK RB Number: 1 Offset: 0) Channel Mid**

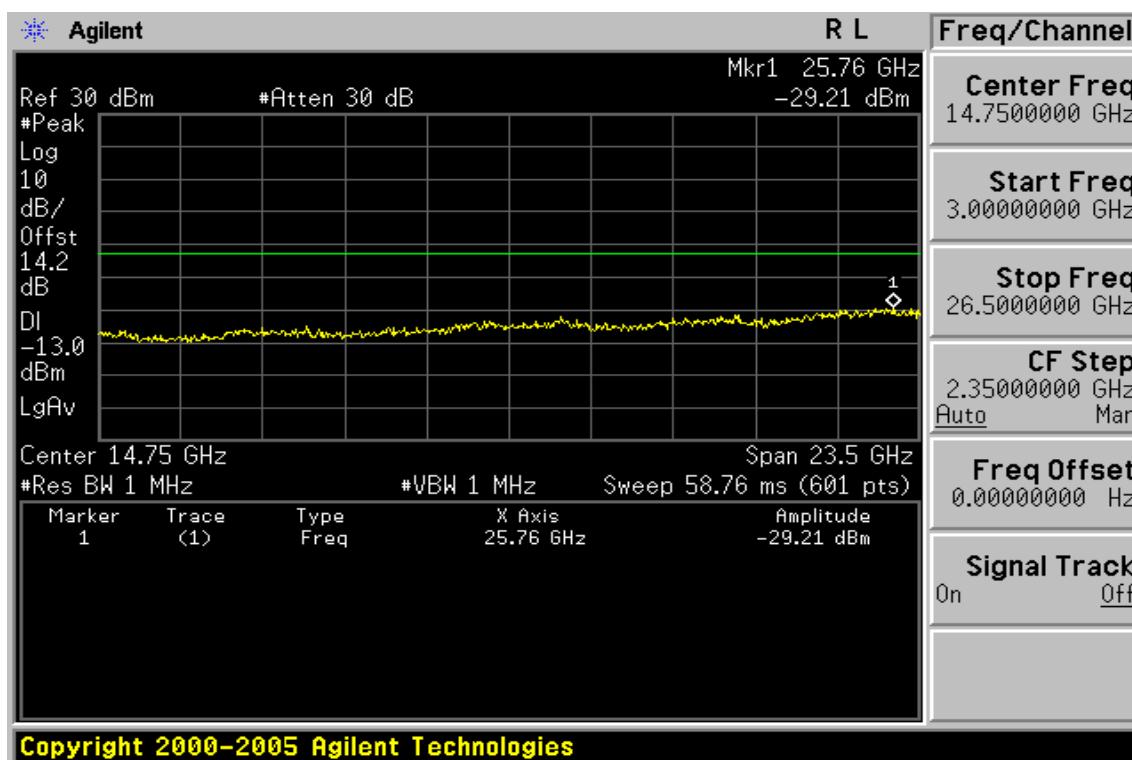
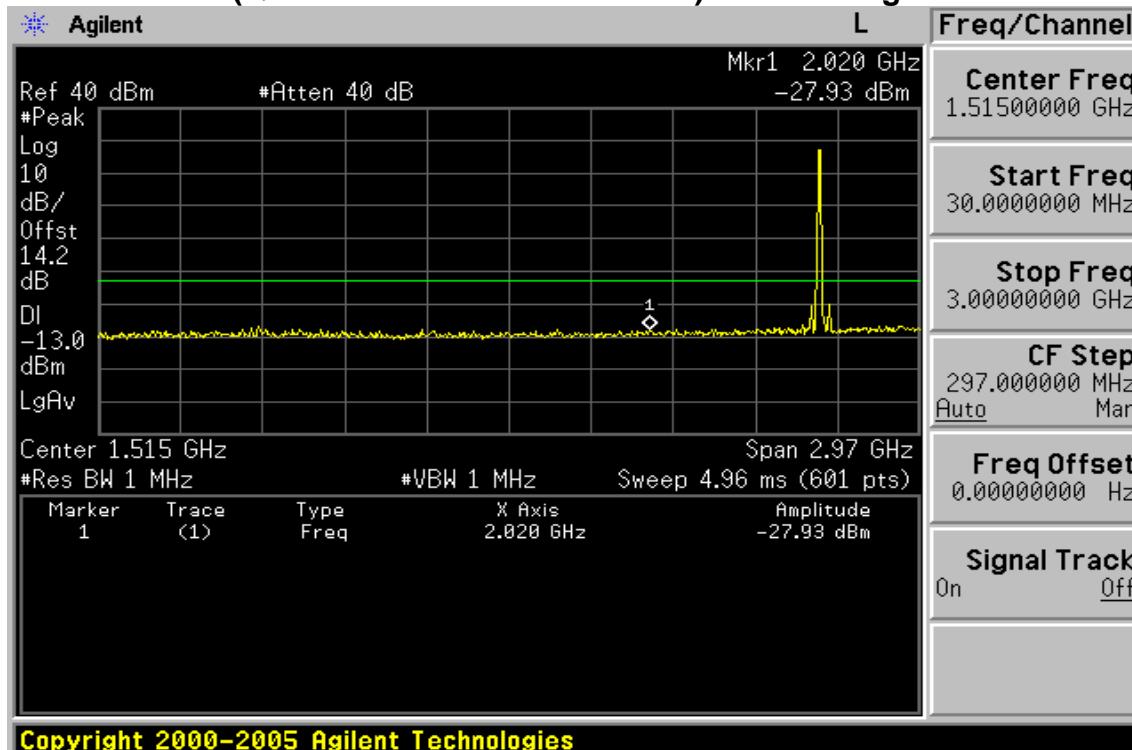


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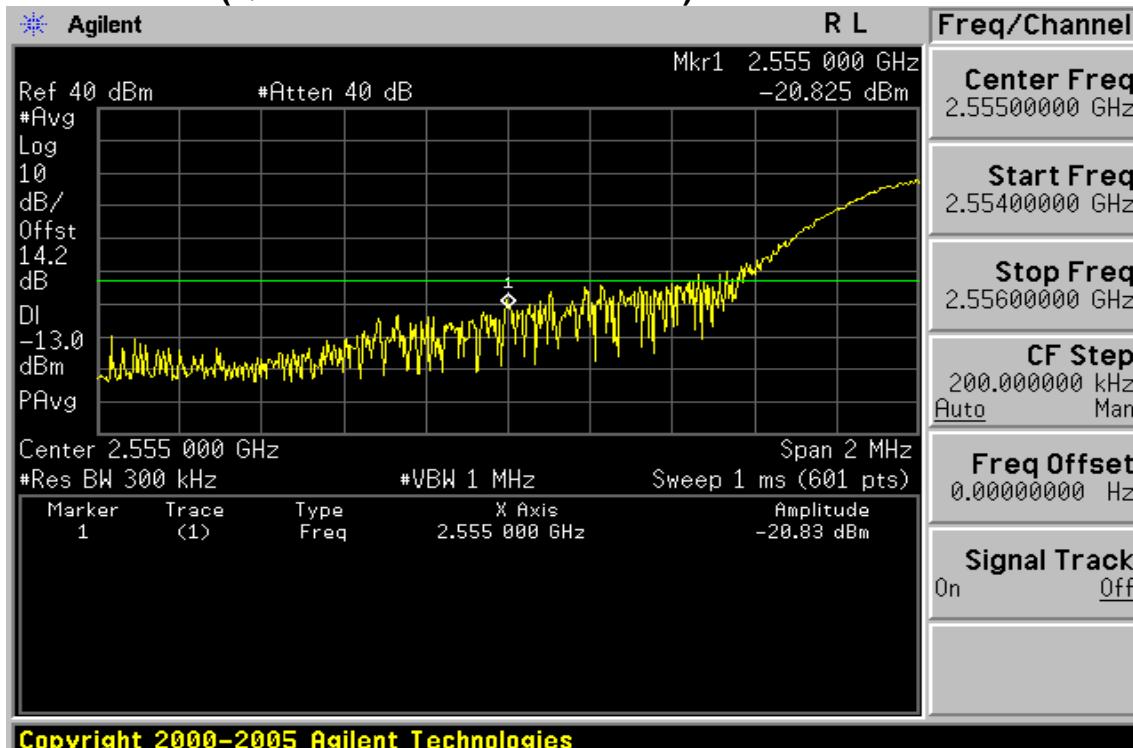
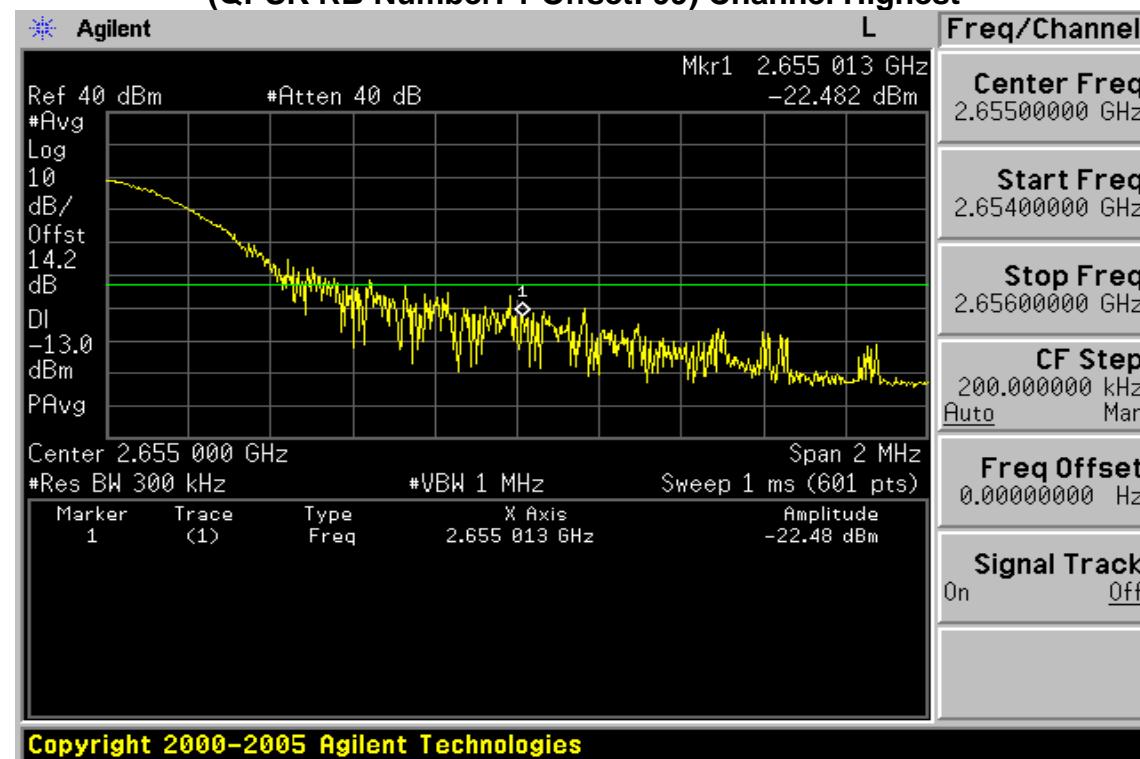
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Out of Band emission at antenna terminals – 20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel High


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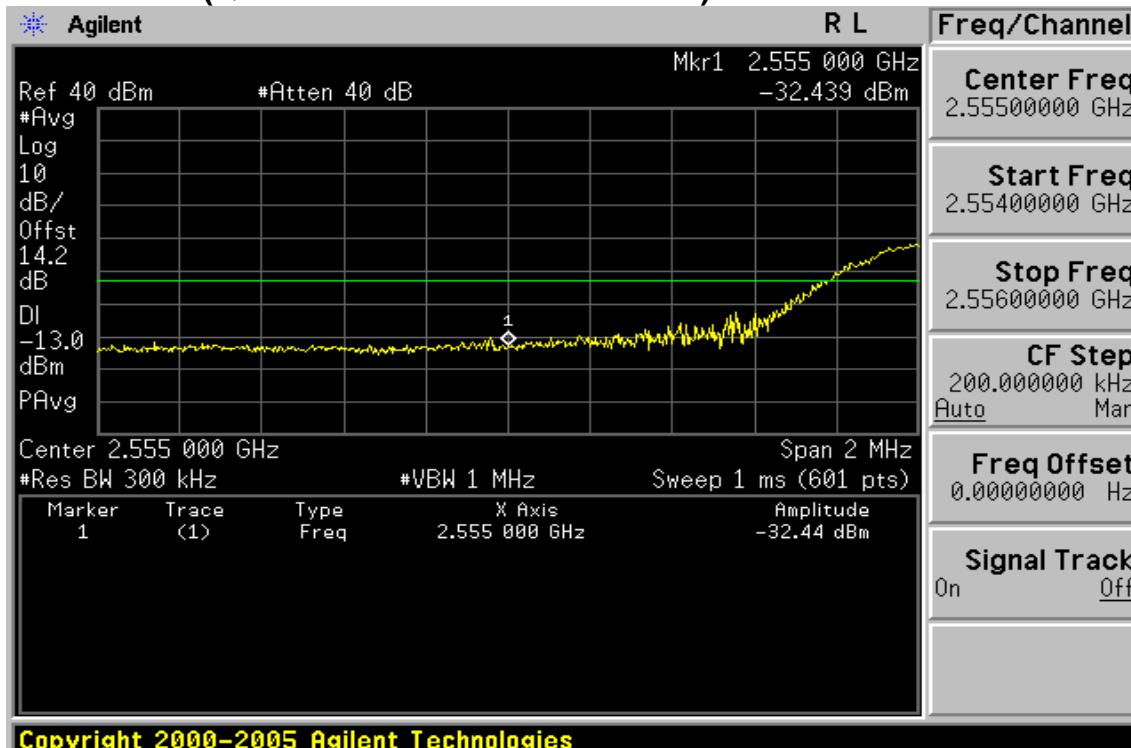
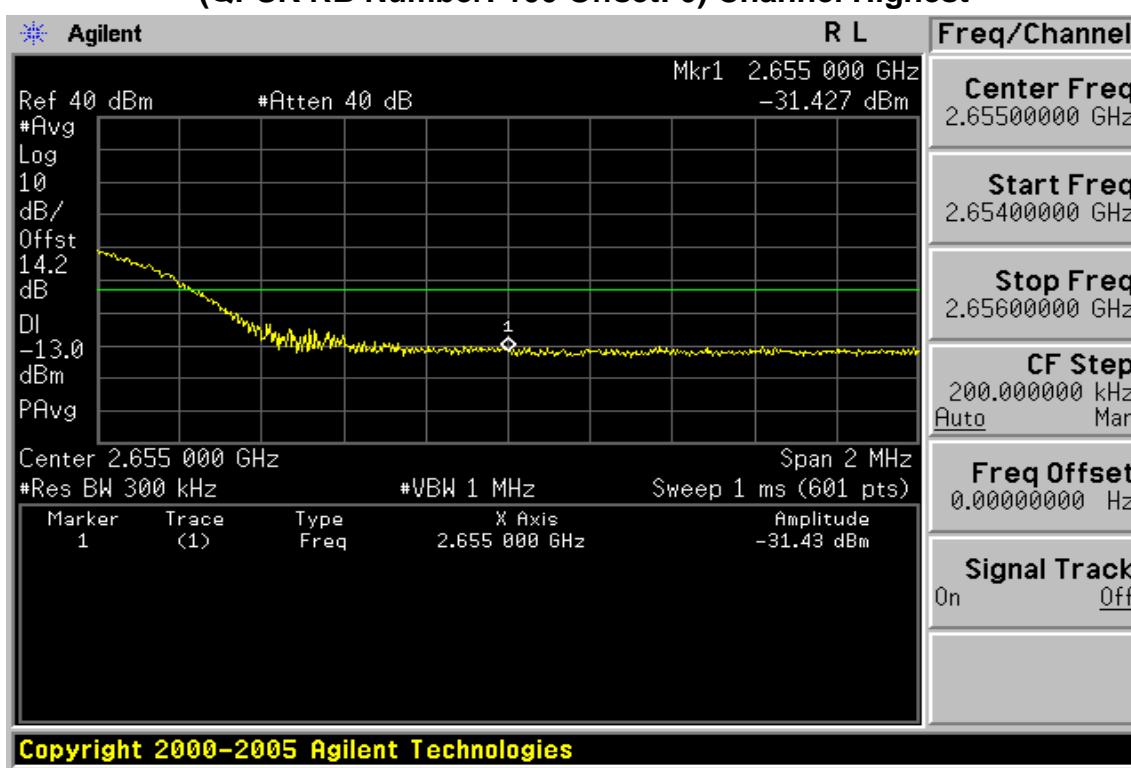
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Band edge emission at antenna terminals – 20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals – 20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 99) Channel Highest


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Band edge emission at antenna terminals – 20MHz BW LTE-Band 41  
 (QPSK RB Number: 100 Offset: 0) Channel Lowest

 Band edge emission at antenna terminals – 20MHz BW LTE-Band 41  
 (QPSK RB Number: 100 Offset: 0) Channel Highest


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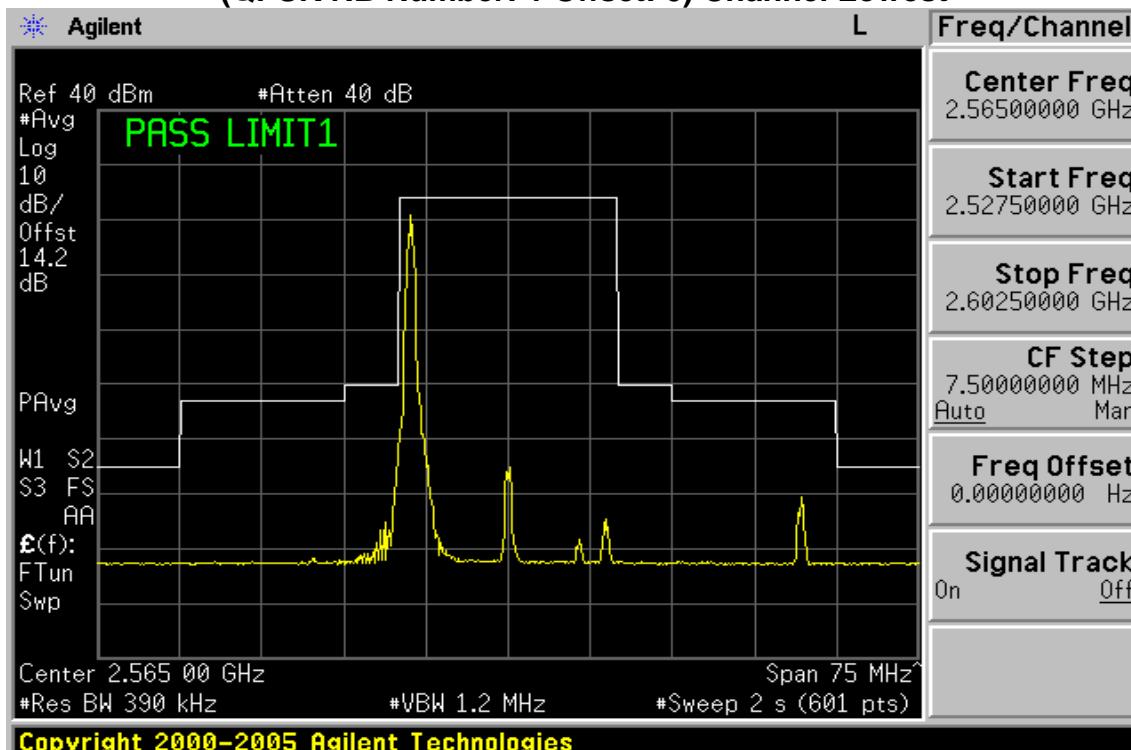
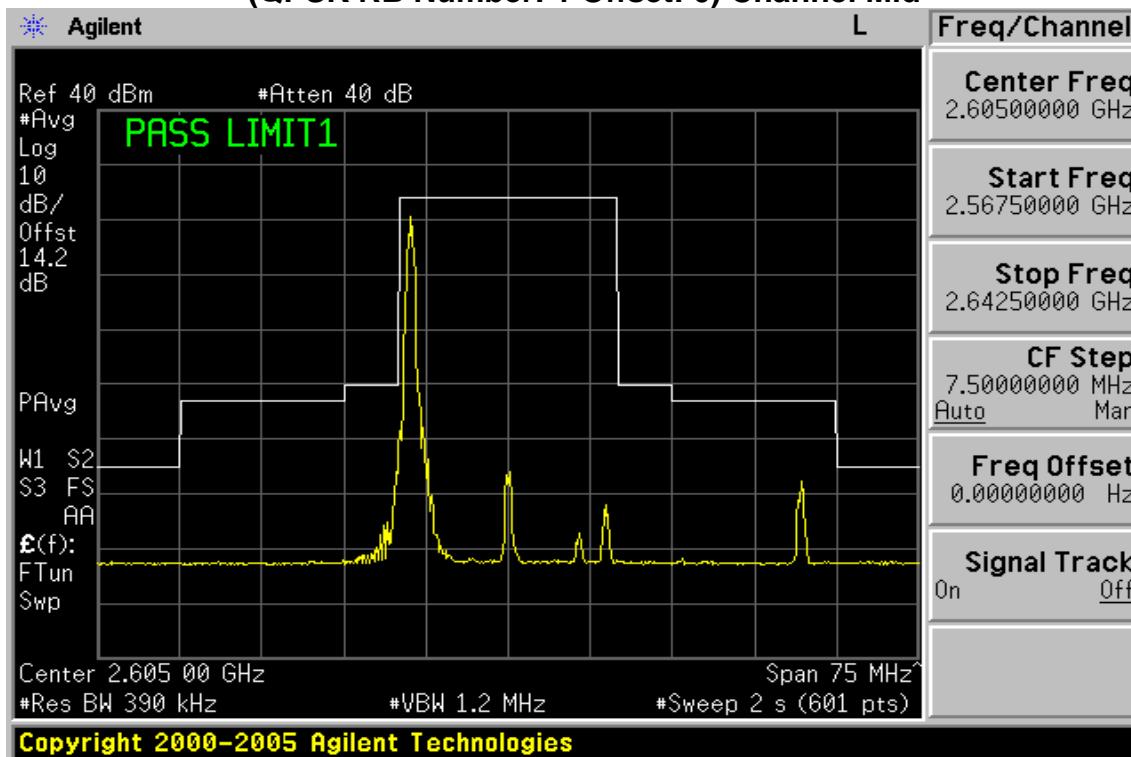
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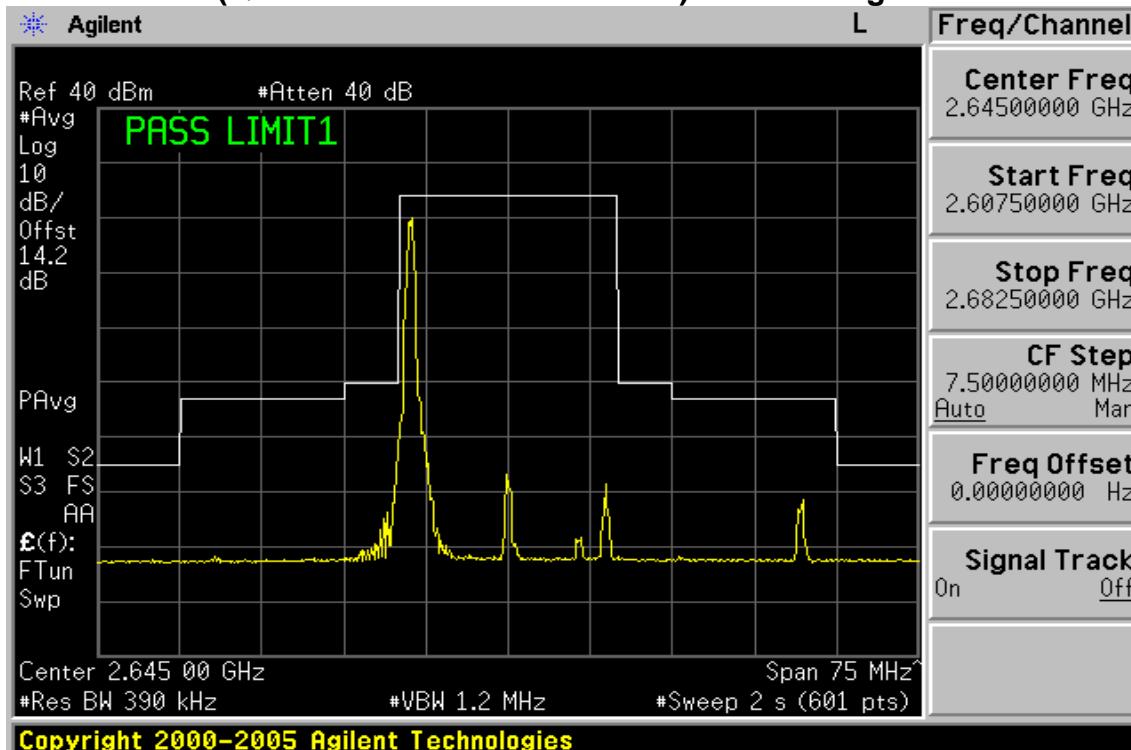
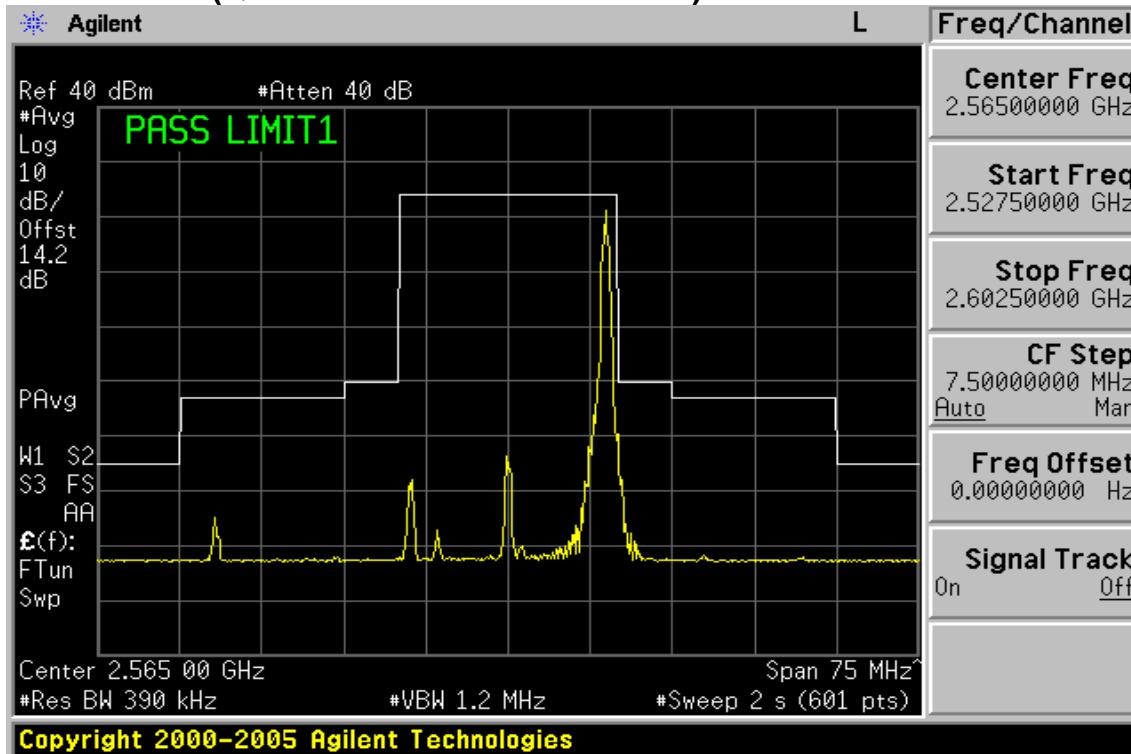
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Emission Mask at antenna terminals –20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Mid


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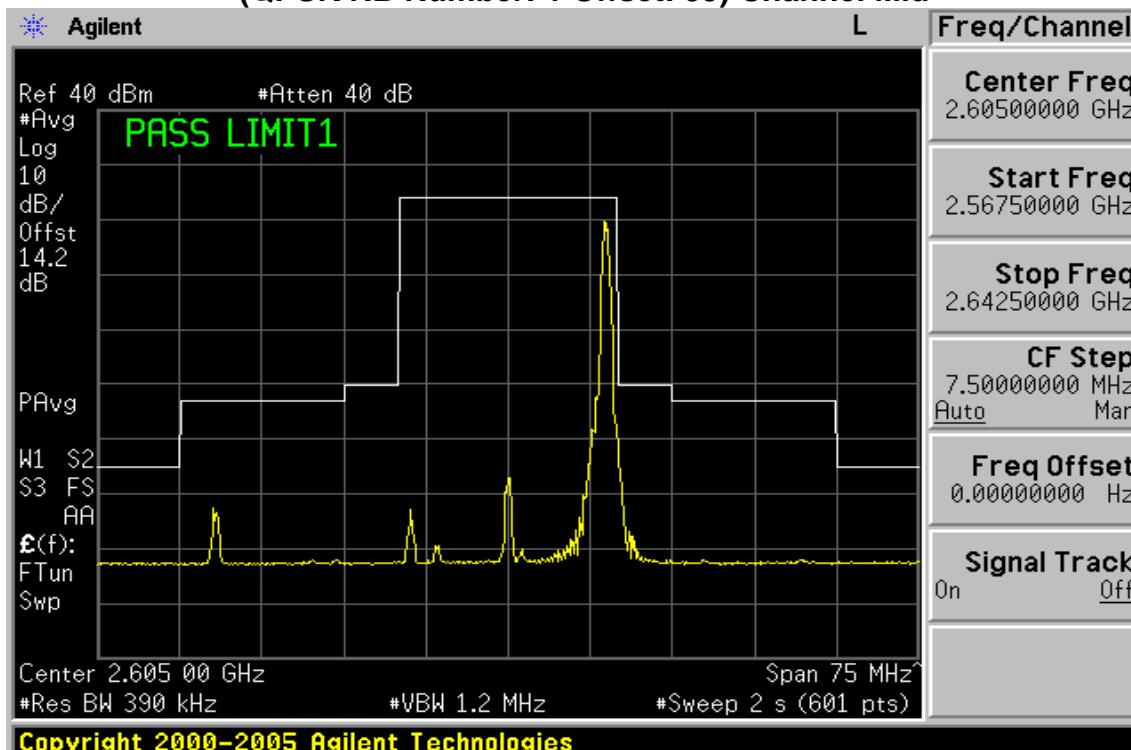
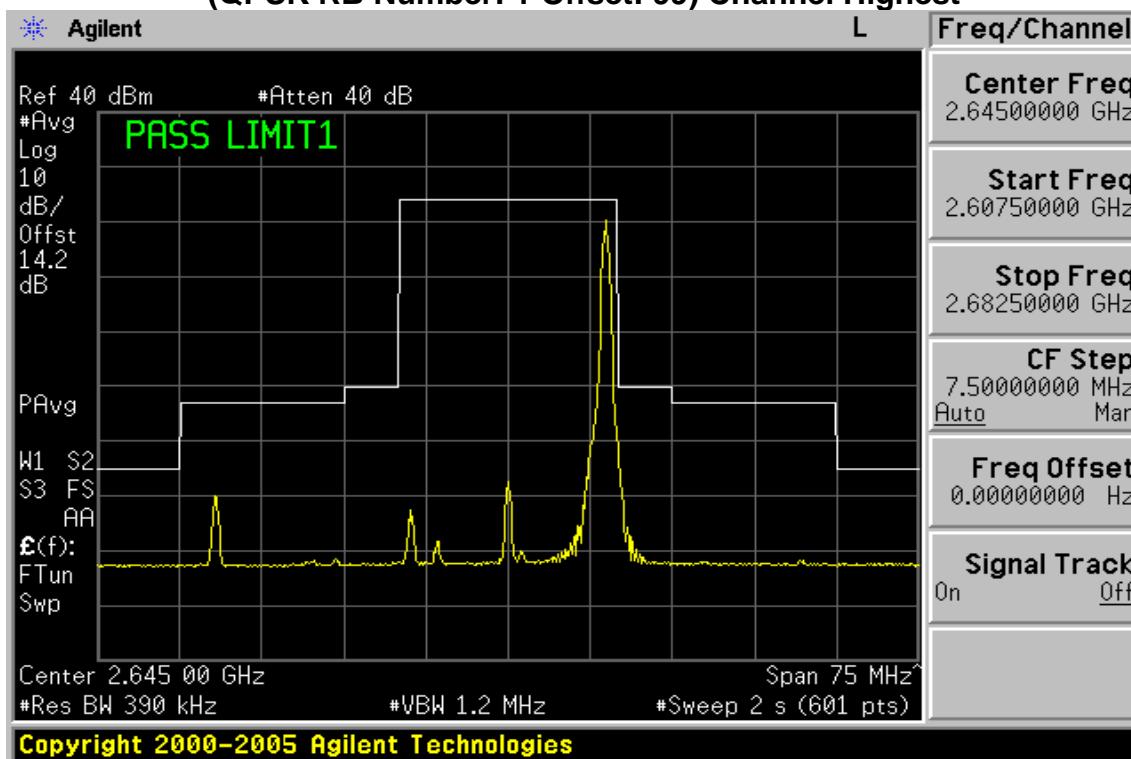
Emission Mask at antenna terminals –20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 0) Channel Highest

 Emission Mask at antenna terminals –20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 99) Channel Lowest


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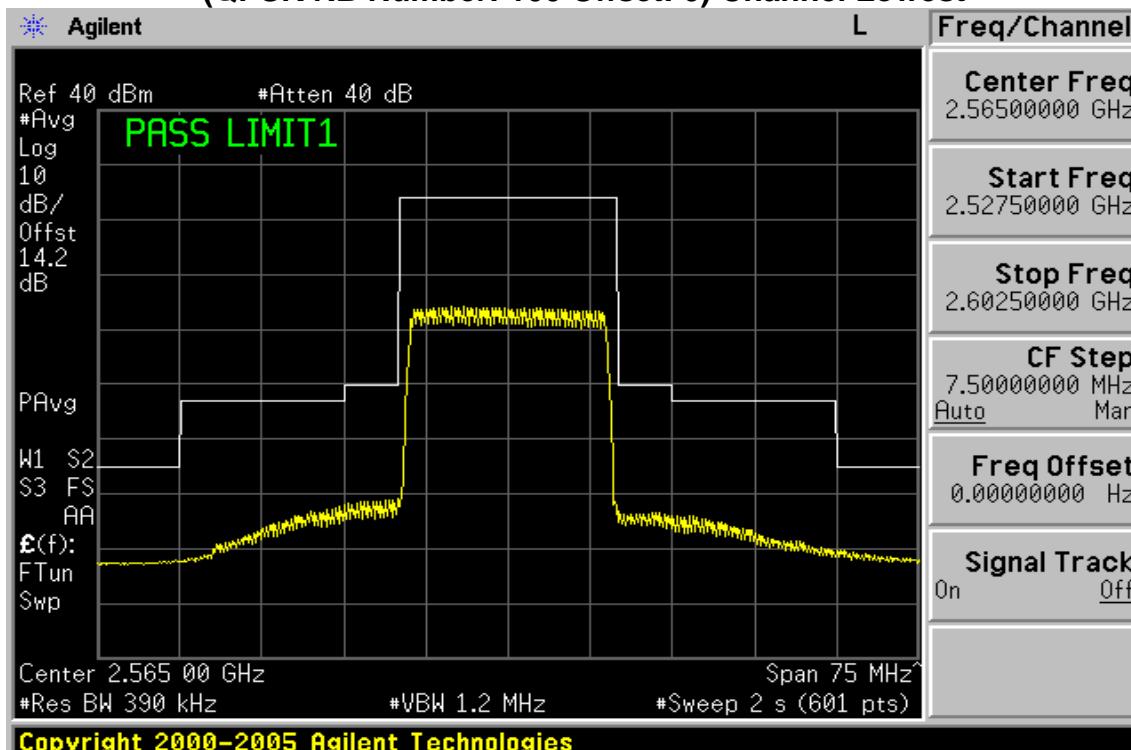
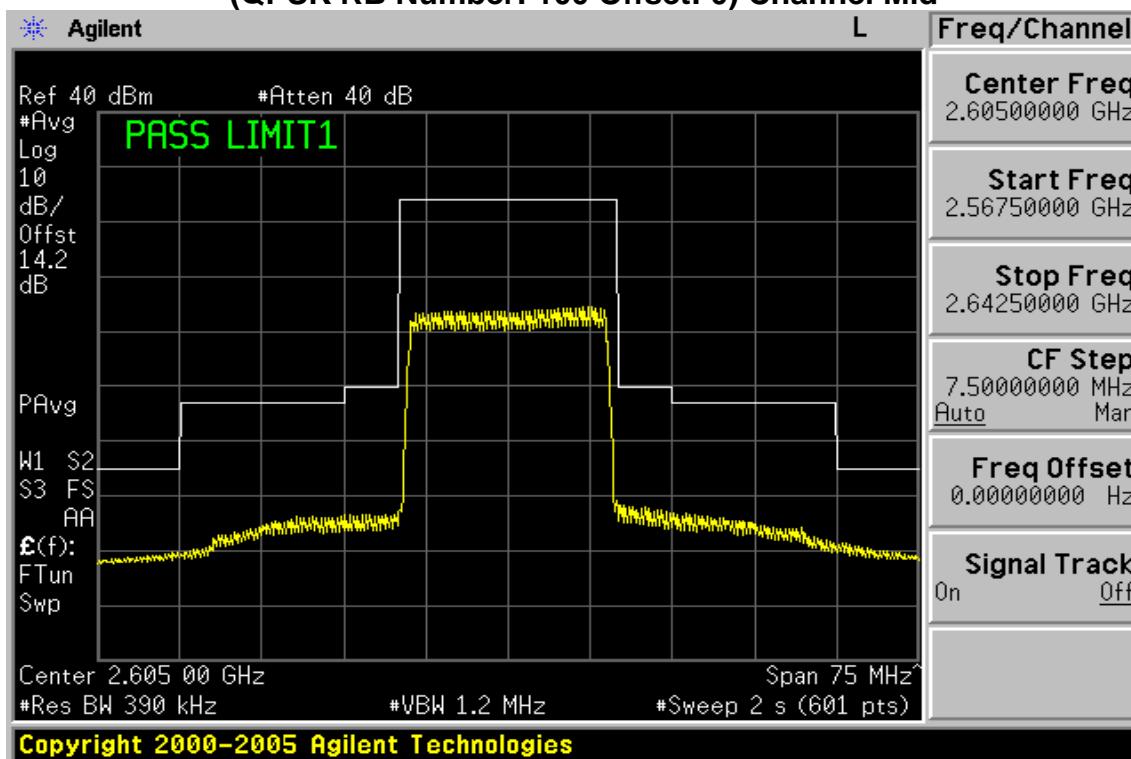
Emission Mask at antenna terminals –20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 99) Channel Mid

 Emission Mask at antenna terminals –20MHz BW LTE-Band 41  
 (QPSK RB Number: 1 Offset: 99) Channel Highest


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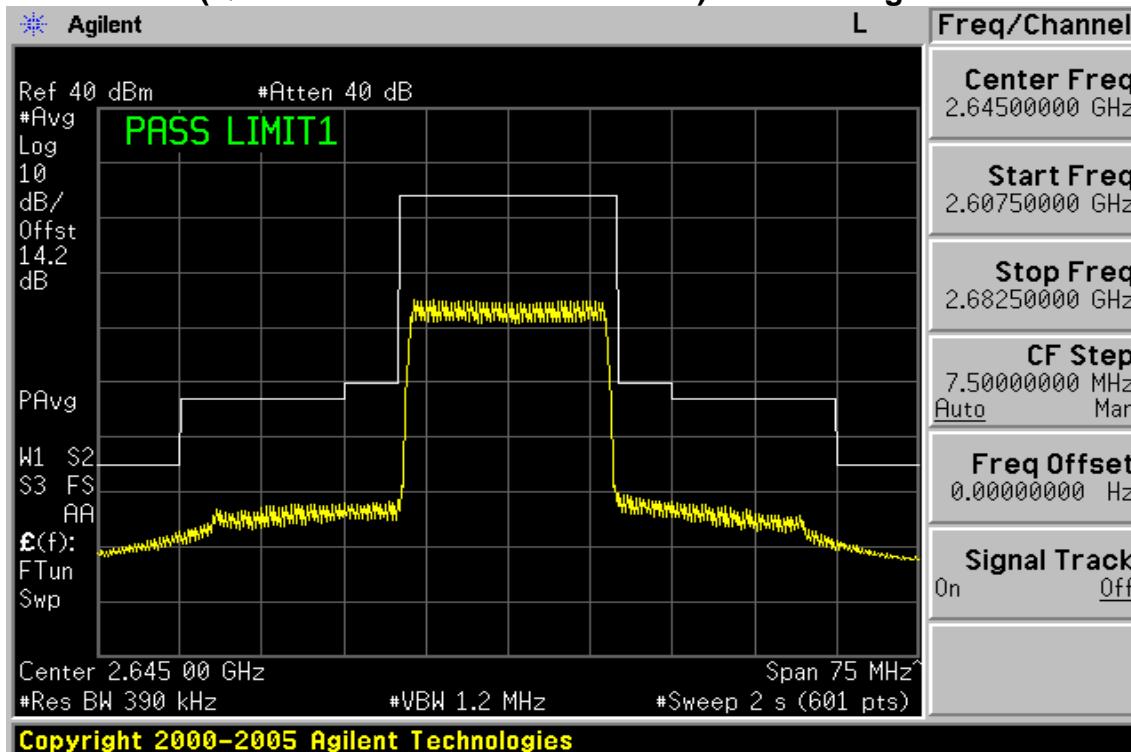
Emission Mask at antenna terminals –20MHz BW LTE-Band 41  
 (QPSK RB Number: 100 Offset: 0) Channel Lowest

 Emission Mask at antenna terminals –20MHz BW LTE-Band 41  
 (QPSK RB Number: 100 Offset: 0) Channel Mid


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**Emission Mask at antenna terminals –20MHz BW LTE-Band 41  
(QPSK RB Number: 100 Offset: 0) Channel Highest**

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## 10. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

### 10.1. Standard Applicable

According to FCC §2.1053,

FCC §22.917(a) , §24.238(a) , §27.53(g)(h) , the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than  $43 + 10 \log$  (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm).

FCC §27.53 (m) (4) shall not be less than  $55 + 10 \log$ (mean output power in watt) dBc below the mean power output outside a license's frequency block (-25dBm).

FCC §27.53(c) (5) & FCC §27.53(g)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC §27.53(h)

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.

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#### FCC §27.53(m) (4)

For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log (P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log (P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log (P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in § 27.53(m)(6). In addition, the attenuation factor shall not be less than  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz 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; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent 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 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). 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. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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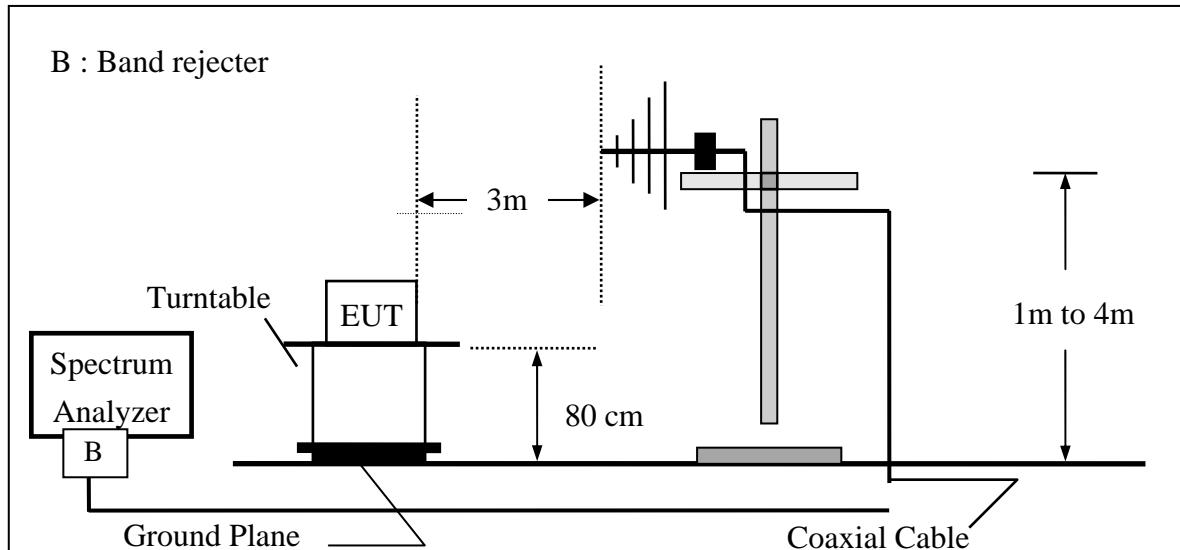
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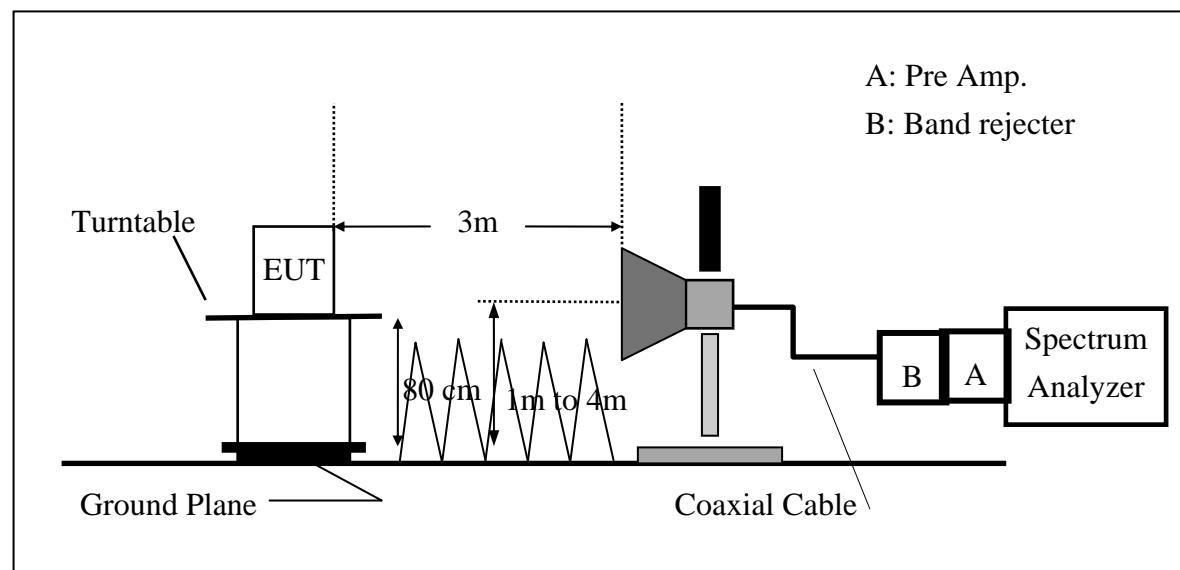
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## 10.2. EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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### 10.3. Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

$$\text{ERP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBd)} + \text{Cable Loss(dB)}$$

$$\text{EIRP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBi)} + \text{Cable Loss(dB)}$$

Note : “F” : denotes Fundamental Frequency. ; “H” : denotes Harmonic Frequency.

“E” : denotes Band Edge Frequency. ; “S” : denotes Spurious Frequency.

“---” : denotes Noise Floor.

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#### 10.4. Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESCI7	100760	05/10/2016	05/09/2017
Spectrum Analyzer	Agilent	E4446A	MY51100003	01/29/2016	01/28/2017
Loop Antenna	ETS.LINDGREN	6502	148045	09/07/2015	09/06/2016
Bilog Antenna	SCHWAZBECK	VULB9168	378	12/14/2015	12/13/2016
Horn Antenna	Schwarzbeck	BBHA9120D	1441	08/10/2015	08/09/2016
Pre-Amplifier	Agilent	8447D	2944A07676	01/02/2016	01/01/2017
Pre-Amplifier	EMC Instruments Corp.	EMC0126530	980038	01/02/2016	01/01/2017
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	ChamPro	AM-BS-4500-B	060776-ABS	N.C.R	N.C.R
Controller	ChamPro	EM1000	60776	N.C.R	N.C.R
Low Loss Cable	Huber Suhner	966_RX	9	01/02/2016	01/01/2017
3m Site NSA	SGS	966 chamber	N/A	07/02/2015	07/01/2016
Low Loss Cable	Huber Suhner	966 TX	1	01/02/2016	01/01/2017
Horn Antenna	Schwarzbeck	BBHA9170	184	12/12/2015	12/11/2016
Pre-Amplifier	EMC Instruments Corp.	EMC184045	980135	01/02/2016	01/01/2017
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	09/25/2015	09/24/2016
Radio Communication Analyer	Anritsu	MT8820C	6201465317	12/10/2015	12/09/2016

Note: WPC wireless charging functions are implemented in field strength of spurious radiation measurement.

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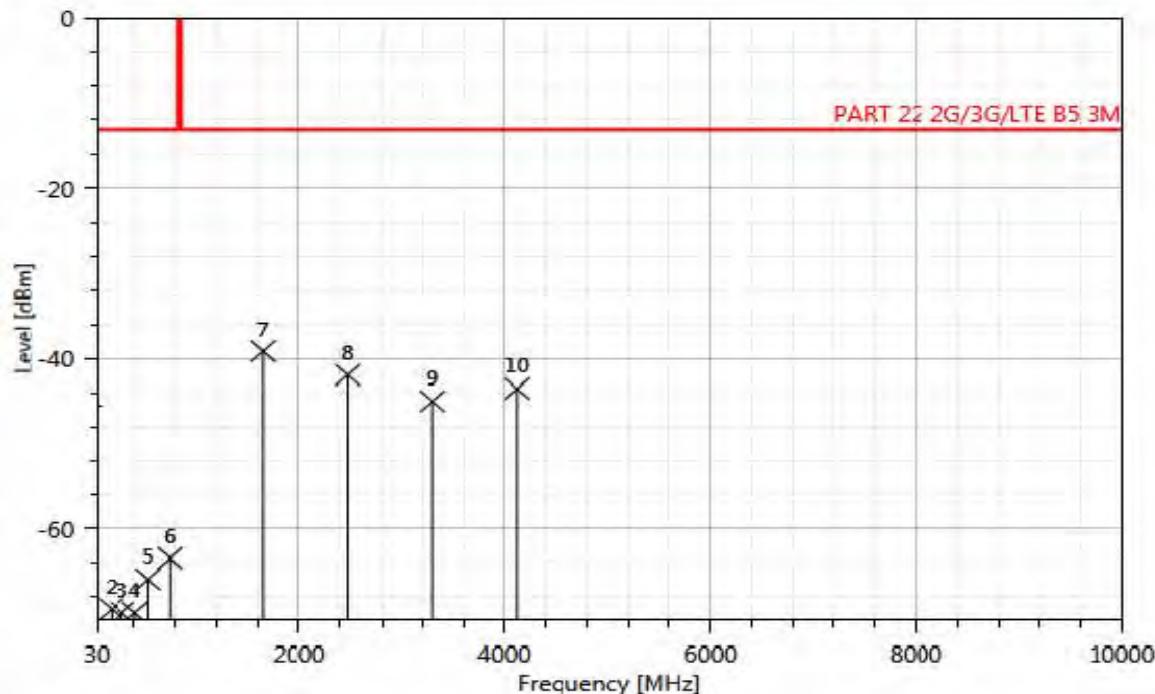
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## 10.5. Measurement Result:

### Radiated Spurious Emission Measurement Result: GPRS 850 Mode

Operation Mode : GPRS 850 Test Date : 07/01/2016 23:19:05  
 Fundamental Frequency : 824.2 MHz Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW Test Engineer : Tin  
 EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBd	Loss dB	dBm	dB
30.00	S	Peak	-47.38	8.78	-14.78	-0.96	-13.00	-34.38
175.50	S	Peak	-69.44	1.77	0.09	-1.54	-13.00	-56.44
280.26	S	Peak	-69.89	-0.18	3.42	-1.88	-13.00	-56.89
406.36	S	Peak	-69.89	-0.39	3.80	-2.42	-13.00	-56.89
534.40	S	Peak	-65.92	3.60	3.67	-2.54	-13.00	-52.92
745.86	S	Peak	-63.43	7.54	3.17	-3.10	-13.00	-50.43
1648.40	H	Peak	-39.12	0.08	7.11	-4.22	-13.00	-26.12
2472.60	H	Peak	-41.92	4.33	8.73	-5.22	-13.00	-28.92
3296.80	H	Peak	-44.98	5.02	9.90	-6.04	-13.00	-31.98
4121.00	H	Peak	-43.52	8.13	10.40	-6.93	-13.00	-30.52

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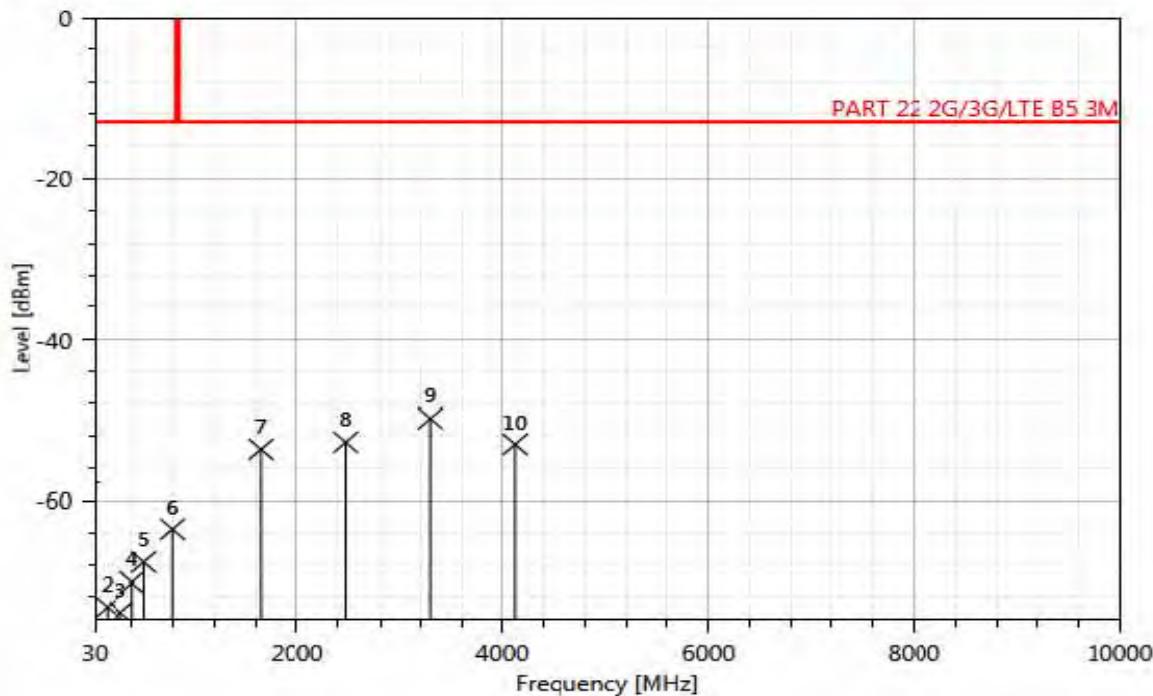
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Operation Mode : GPRS 850 Test Date : 07/01/2016 23:19:07  
 Fundamental Frequency : 824.2 MHz Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW Test Engineer : Tin  
 EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



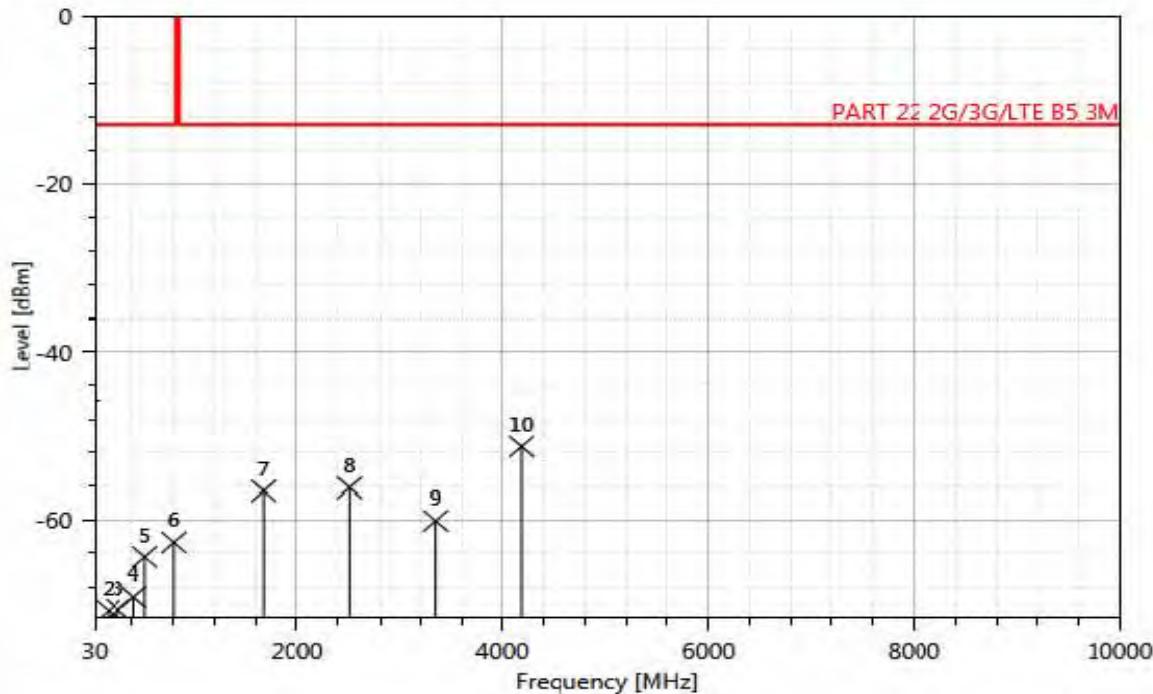
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m	Margin
							dBm	dB
30.00	S	Peak	-59.92	20.54	-14.78	-0.96	-13.00	-46.92
153.19	S	Peak	-73.24	1.22	-1.95	-1.44	-13.00	-60.24
287.05	S	Peak	-73.95	-3.95	3.43	-1.91	-13.00	-60.95
400.54	S	Peak	-70.21	-0.79	3.82	-2.38	-13.00	-57.21
513.06	S	Peak	-67.68	0.70	3.79	-2.35	-13.00	-54.68
786.60	S	Peak	-63.56	6.15	3.30	-2.90	-13.00	-50.56
1648.40	H	Peak	-53.65	0.21	7.11	-4.22	-13.00	-40.65
2472.60	H	Peak	-52.75	3.81	8.73	-5.22	-13.00	-39.75
3296.80	H	Peak	-49.77	5.17	9.90	-6.04	-13.00	-36.77
4121.00	H	Peak	-53.02	7.89	10.40	-6.93	-13.00	-40.02

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Operation Mode : GPRS 850 Test Date : 07/01/2016 23:19:08  
 Fundamental Frequency : 836.6 MHz Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID Test Engineer : Tin  
 EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



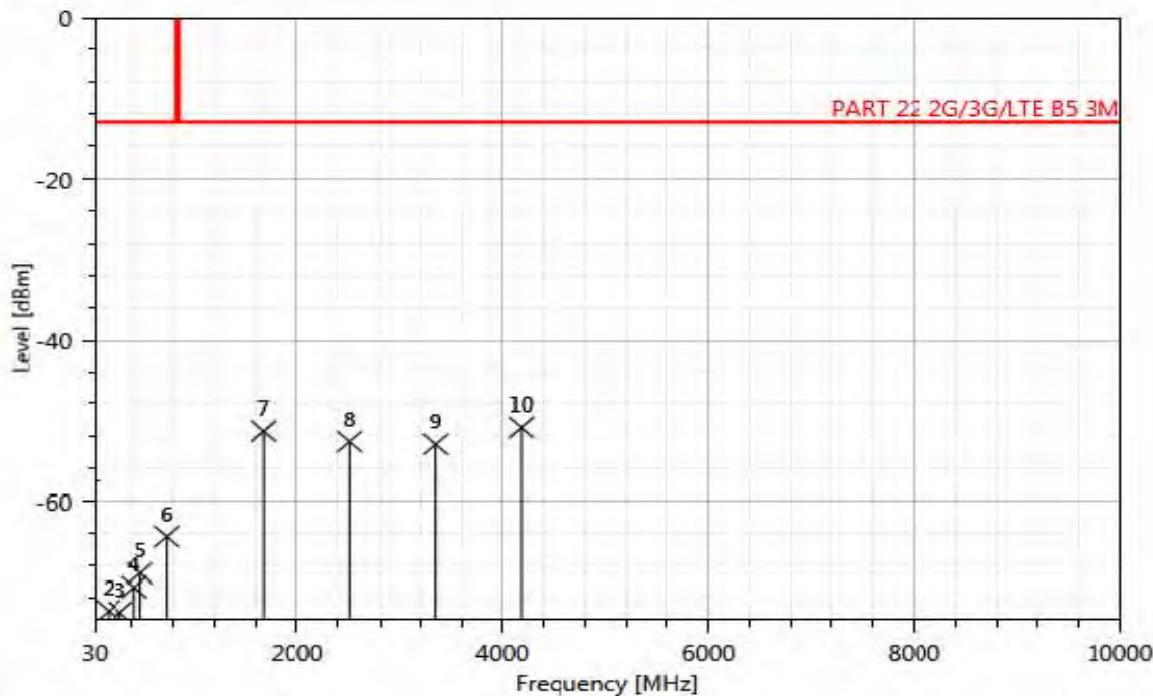
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-47.84	8.78	-14.78	-0.96	-13.00	-34.84
165.80	S	Peak	-70.86	3.61	-1.21	-1.50	-13.00	-57.86
260.86	S	Peak	-70.73	-0.98	3.66	-1.78	-13.00	-57.73
415.09	S	Peak	-69.19	0.07	3.77	-2.37	-13.00	-56.19
521.79	S	Peak	-64.51	3.02	3.74	-2.41	-13.00	-51.51
799.21	S	Peak	-62.75	7.22	3.34	-2.90	-13.00	-49.75
1673.20	H	Peak	-56.61	0.52	7.20	-4.29	-13.00	-43.61
2509.80	H	Peak	-56.22	4.27	8.76	-5.26	-13.00	-43.22
3346.40	H	Peak	-60.16	4.56	9.99	-6.26	-13.00	-47.16
4183.00	H	Peak	-51.28	8.35	10.43	-7.02	-13.00	-38.28

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Operation Mode : GPRS 850 Test Date : 07/01/2016 23:19:09  
 Fundamental Frequency : 836.6 MHz Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID Test Engineer : Tin  
 EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



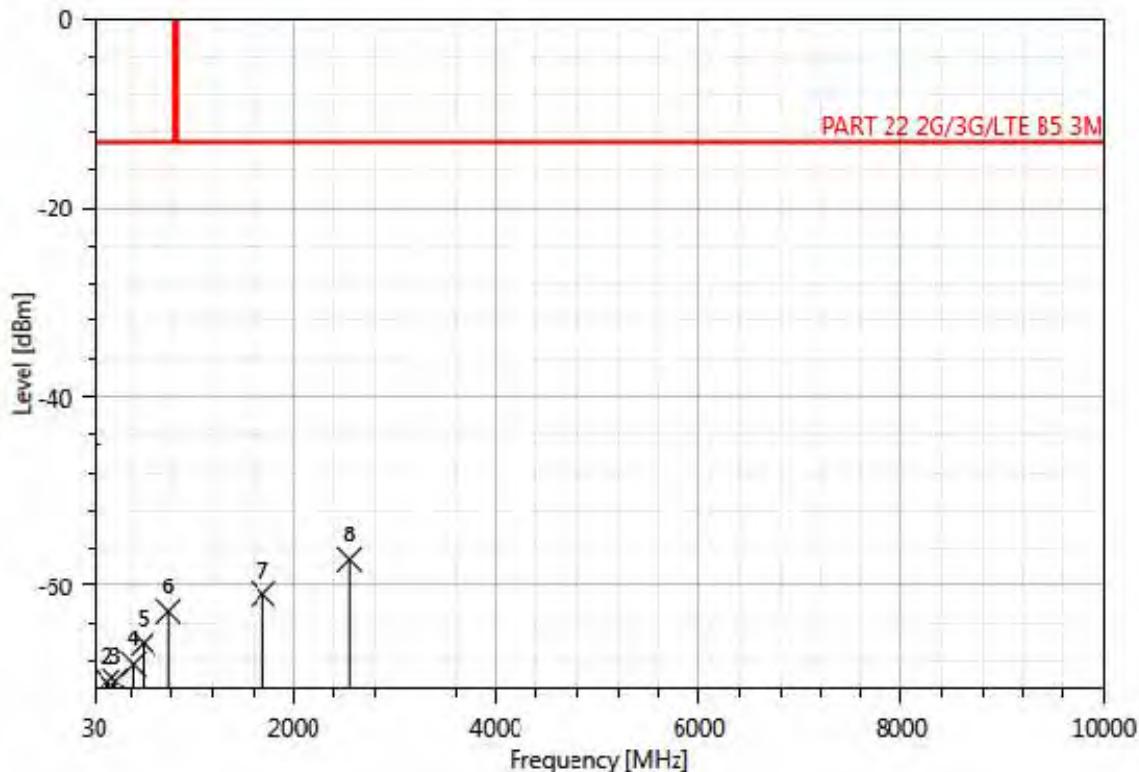
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-59.59	20.54	-14.78	-0.96	-13.00	-46.59
165.80	S	Peak	-73.64	0.42	-1.21	-1.50	-13.00	-60.64
280.26	S	Peak	-73.85	-4.08	3.42	-1.88	-13.00	-60.85
419.94	S	Peak	-70.69	-0.42	3.75	-2.33	-13.00	-57.69
478.14	S	Peak	-68.95	0.00	3.77	-2.24	-13.00	-55.95
733.25	S	Peak	-64.39	5.18	3.15	-3.12	-13.00	-51.39
1673.20	H	Peak	-51.26	0.68	7.20	-4.29	-13.00	-38.26
2509.80	H	Peak	-52.59	3.94	8.76	-5.26	-13.00	-39.59
3346.40	H	Peak	-52.92	4.69	9.99	-6.26	-13.00	-39.92
4183.00	H	Peak	-50.81	8.27	10.43	-7.02	-13.00	-37.81

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Operation Mode : GPRS 850 Test Date : 07/01/2016 23:19:10  
 Fundamental Frequency : 848.8 MHz Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH Test Engineer : Tin  
 EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



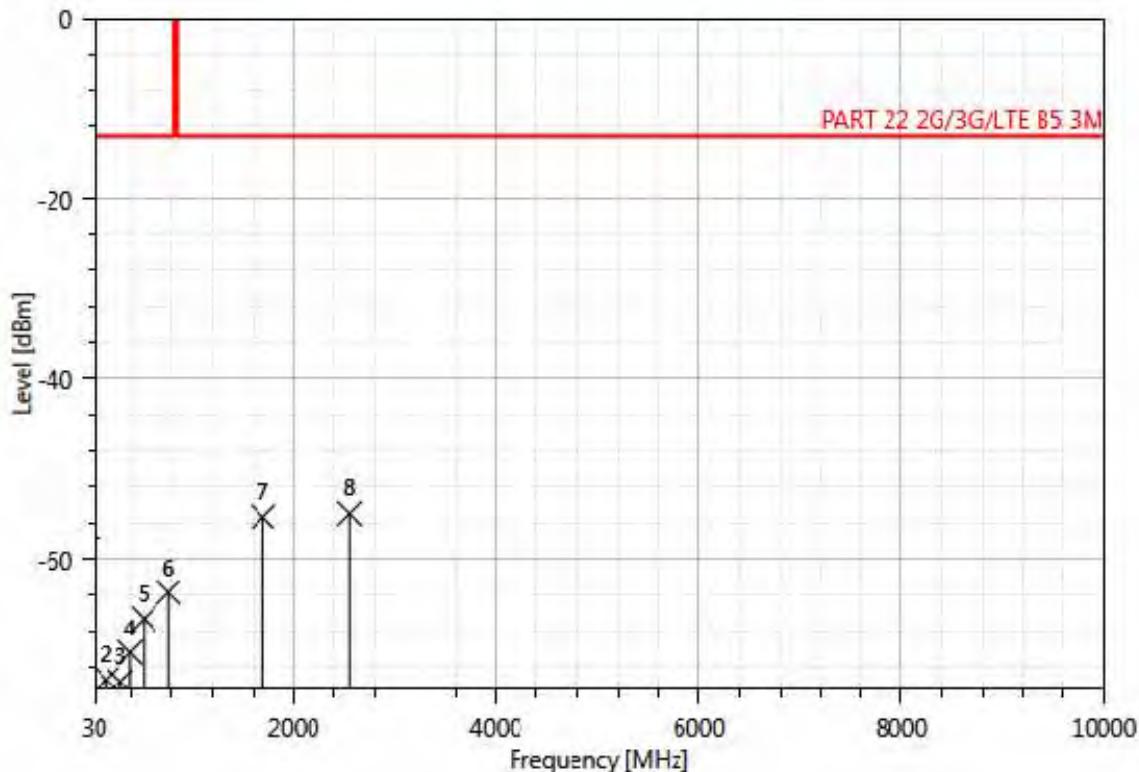
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-46.90	8.78	-14.78	-0.96	-13.00	-33.90
160.95	S	Peak	-70.15	3.78	-1.57	-1.48	-13.00	-57.15
240.49	S	Peak	-70.03	0.08	3.29	-1.74	-13.00	-57.03
416.06	S	Peak	-68.29	0.08	3.76	-2.36	-13.00	-55.29
515.00	S	Peak	-66.14	2.48	3.77	-2.36	-13.00	-53.14
765.26	S	Peak	-62.70	7.57	3.23	-2.98	-13.00	-49.70
1697.60	H	Peak	-60.93	0.30	7.28	-4.31	-13.00	-47.93
2546.40	H	Peak	-57.21	4.29	8.81	-5.33	-13.00	-44.21

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Operation Mode : GPRS 850 Test Date : 07/01/2016 23:19:11  
 Fundamental Frequency : 848.8 MHz Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH Test Engineer : Tin  
 EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBd	Loss dB	dBm	dB
30.00	S	Peak	-59.79	20.54	-14.78	-0.96	-13.00	-46.79
154.16	S	Peak	-73.28	1.28	-1.90	-1.45	-13.00	-60.28
287.05	S	Peak	-73.51	-3.95	3.43	-1.91	-13.00	-60.51
382.11	S	Peak	-70.29	-0.59	3.83	-2.27	-13.00	-57.29
519.85	S	Peak	-66.54	1.18	3.75	-2.39	-13.00	-53.54
765.26	S	Peak	-63.62	6.54	3.23	-2.98	-13.00	-50.62
1697.60	H	Peak	-55.23	0.39	7.28	-4.31	-13.00	-42.23
2546.40	H	Peak	-54.84	4.08	8.81	-5.33	-13.00	-41.84

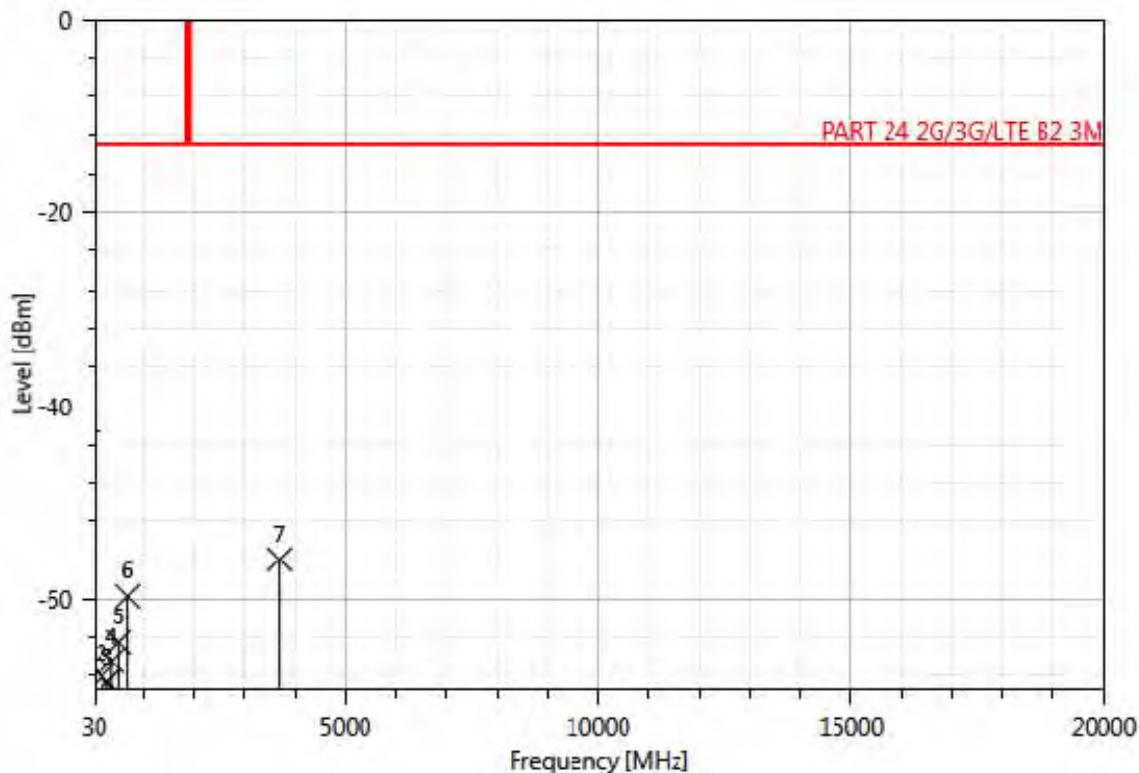
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**Radiated Spurious Emission Measurement Result: GPRS 1900 Mode**

Operation Mode : GPRS 1900 Test Date : 07/01/2016 23:56:22  
Fundamental Frequency : 1850.2 MHz Temp. / Humi. : 22 deg\_C / 61 RH  
Operation Band : Tx CH LOW Test Engineer : Tin  
EUT Pol. : H Plane Measurement Antenna Pol. : VERTICAL



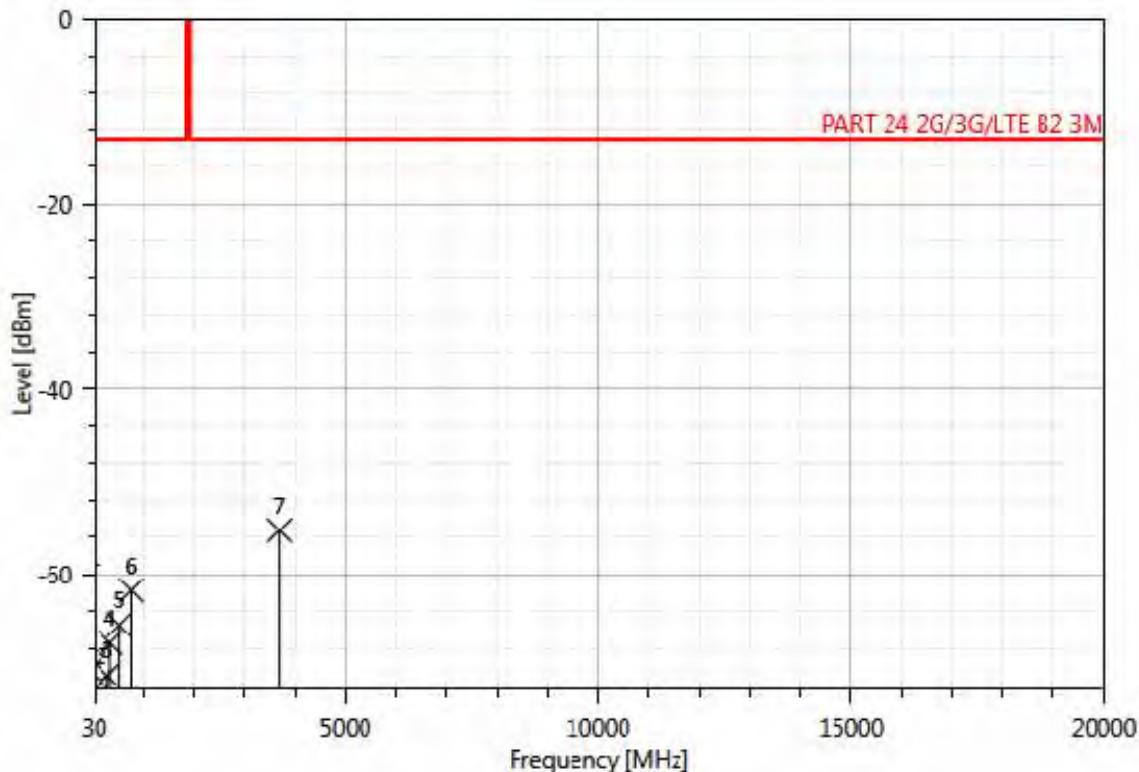
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-44.48	8.78	-12.63	-0.96	-13.00	-31.48
172.59	S	Peak	-68.12	2.70	1.71	-1.53	-13.00	-55.12
299.66	S	Peak	-68.58	-0.76	5.77	-1.95	-13.00	-55.58
381.14	S	Peak	-66.43	-0.46	5.99	-2.27	-13.00	-53.43
517.91	S	Peak	-64.47	2.68	5.91	-2.37	-13.00	-51.47
689.60	S	Peak	-59.70	7.26	5.24	-2.79	-13.00	-46.70
3700.40	H	Peak	-55.91	6.77	12.44	-6.58	-13.00	-42.91

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Operation Mode : GPRS 1900      Test Date : 07/01/2016 23:56:23  
 Fundamental Frequency : 1850.2 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : HORIZONTAL



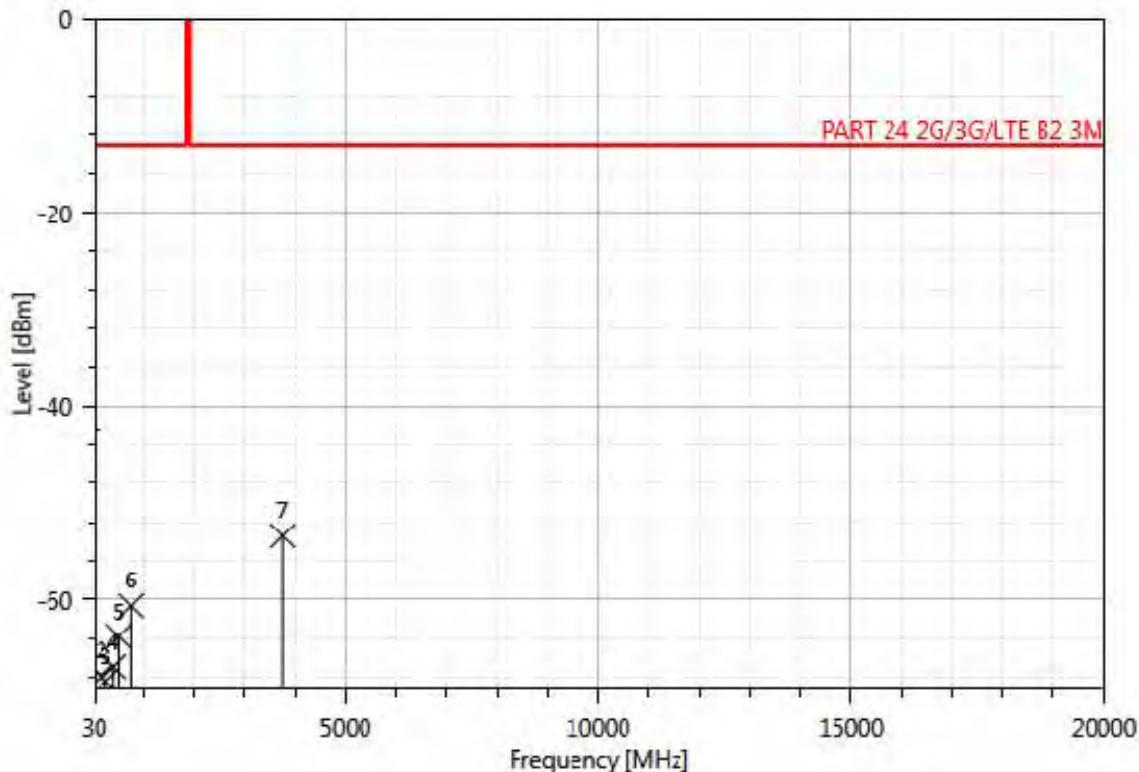
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-60.96	20.54	-12.63	-0.96	-13.00	-47.96
162.89	S	Peak	-71.52	-0.15	0.73	-1.49	-13.00	-58.52
294.81	S	Peak	-70.87	-4.03	5.67	-1.94	-13.00	-57.87
345.25	S	Peak	-67.37	-1.16	5.99	-2.01	-13.00	-54.37
526.64	S	Peak	-65.43	1.04	5.86	-2.46	-13.00	-52.43
762.35	S	Peak	-61.69	6.52	5.37	-3.00	-13.00	-48.69
3700.40	H	Peak	-55.20	6.96	12.44	-6.58	-13.00	-42.20

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Operation Mode : GPRS 1900      Test Date : 07/01/2016 23:56:24  
 Fundamental Frequency : 1880 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : VERTICAL



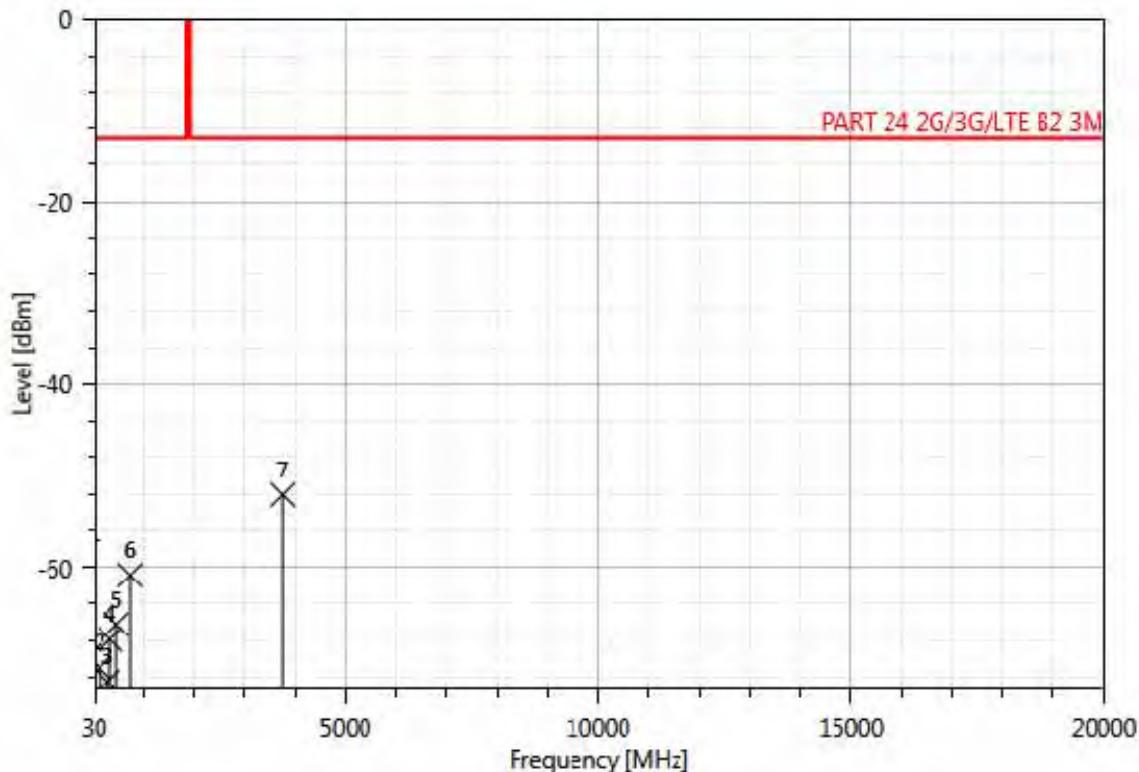
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-44.45	8.78	-12.63	-0.96	-13.00	-31.45
167.74	S	Peak	-67.86	3.43	1.08	-1.51	-13.00	-54.86
256.01	S	Peak	-68.43	-1.10	5.73	-1.77	-13.00	-55.43
416.06	S	Peak	-66.88	0.08	5.91	-2.36	-13.00	-53.88
521.79	S	Peak	-63.75	3.02	5.89	-2.41	-13.00	-50.75
757.50	S	Peak	-60.61	8.18	5.36	-3.03	-13.00	-47.61
3760.00	H	Peak	-53.37	6.77	12.45	-6.60	-13.00	-40.37

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Operation Mode : GPRS 1900      Test Date : 07/01/2016 23:56:25  
 Fundamental Frequency : 1880 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : HORIZONTAL



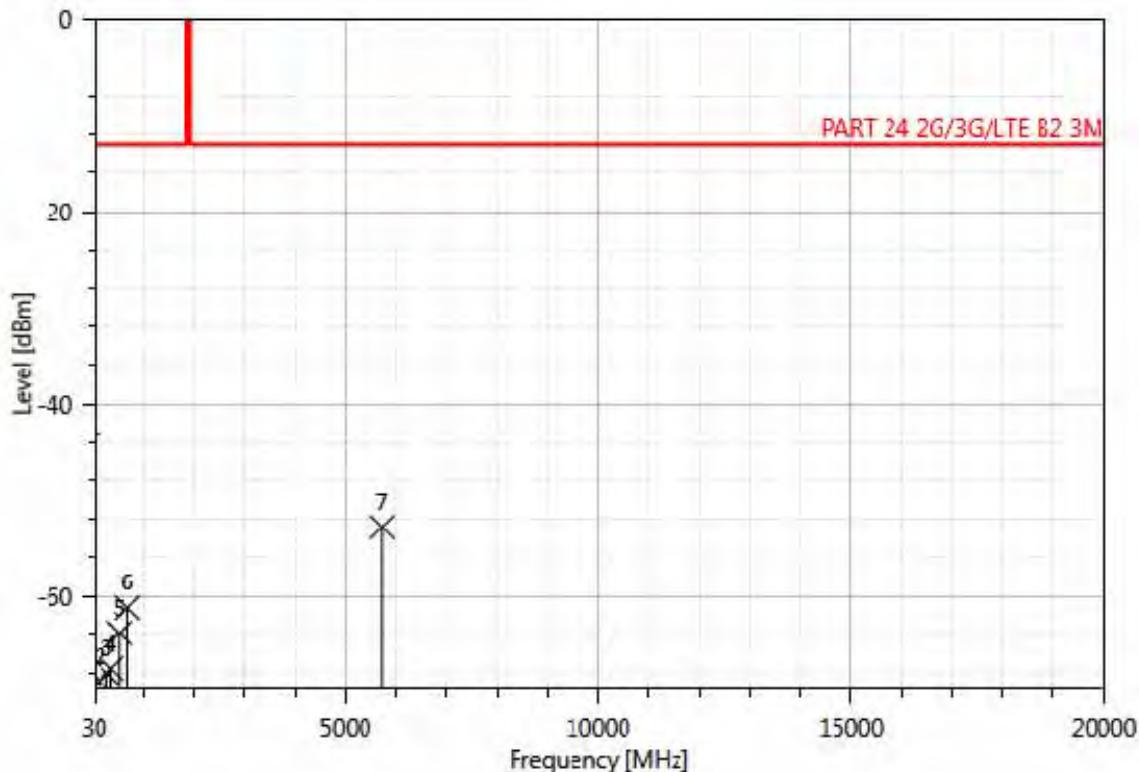
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-59.01	20.54	-12.63	-0.96	-13.00	-46.01
138.64	S	Peak	-70.97	1.07	-0.54	-1.39	-13.00	-57.97
299.66	S	Peak	-72.49	-3.96	5.77	-1.95	-13.00	-59.49
348.16	S	Peak	-67.87	-1.30	6.00	-2.03	-13.00	-54.87
471.35	S	Peak	-66.24	0.06	5.89	-2.22	-13.00	-53.24
740.04	S	Peak	-60.85	5.84	5.31	-3.14	-13.00	-47.85
3760.00	H	Peak	-52.07	7.06	12.45	-6.60	-13.00	-39.07

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Operation Mode : GPRS 1900      Test Date : 07/01/2016 23:56:26  
 Fundamental Frequency : 1909.8 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : VERTICAL



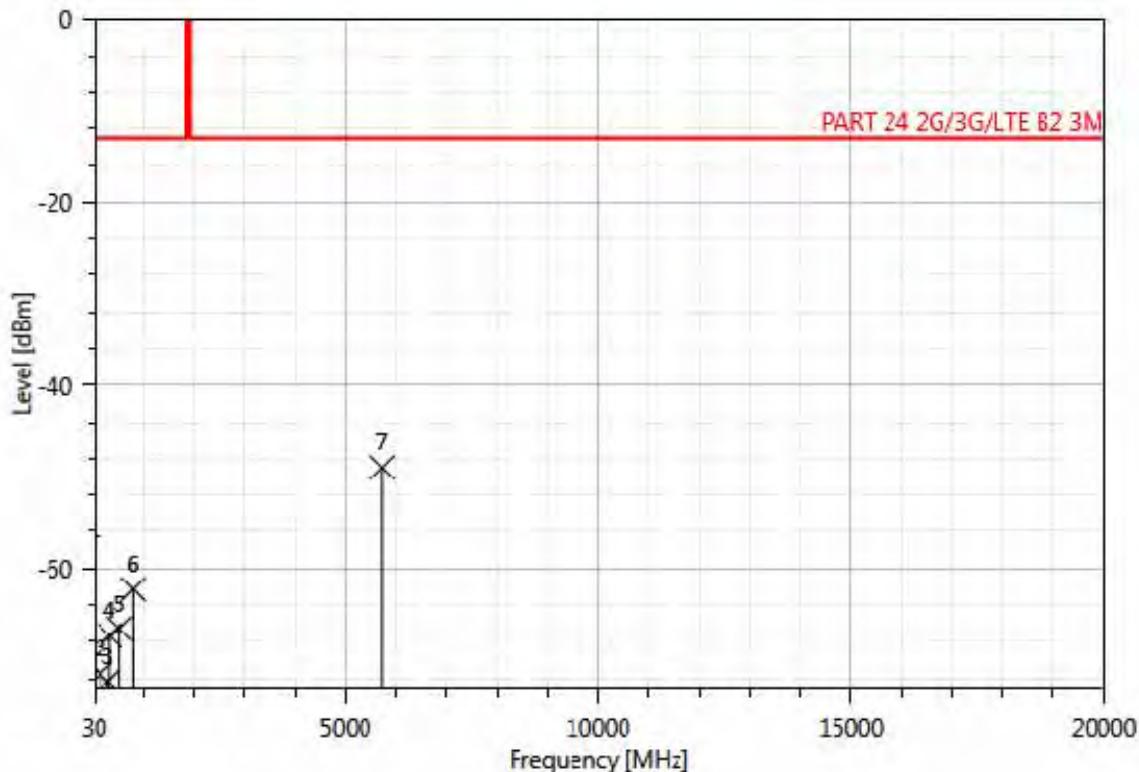
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-45.05	8.78	-12.63	-0.96	-13.00	-32.05
152.22	S	Peak	-68.85	3.46	0.16	-1.44	-13.00	-55.85
282.20	S	Peak	-67.92	-0.32	5.57	-1.89	-13.00	-54.92
367.56	S	Peak	-67.47	-0.37	6.00	-2.18	-13.00	-54.47
534.40	S	Peak	-63.81	3.60	5.82	-2.54	-13.00	-50.81
682.81	S	Peak	-61.20	6.52	5.25	-2.67	-13.00	-48.20
5729.40	H	Peak	-52.80	13.09	12.90	-8.39	-13.00	-39.80

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Operation Mode : GPRS 1900      Test Date : 07/01/2016 23:56:27  
 Fundamental Frequency : 1909.8 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-58.52	20.54	-12.63	-0.96	-13.00	-45.52
154.16	S	Peak	-71.47	1.28	0.25	-1.45	-13.00	-58.47
298.69	S	Peak	-72.36	-3.98	5.75	-1.95	-13.00	-59.36
338.46	S	Peak	-67.33	-1.28	5.96	-1.95	-13.00	-54.33
526.64	S	Peak	-66.58	1.04	5.86	-2.46	-13.00	-53.58
796.30	S	Peak	-62.28	6.94	5.48	-2.90	-13.00	-49.28
5729.40	H	Peak	-48.98	12.97	12.90	-8.39	-13.00	-35.98

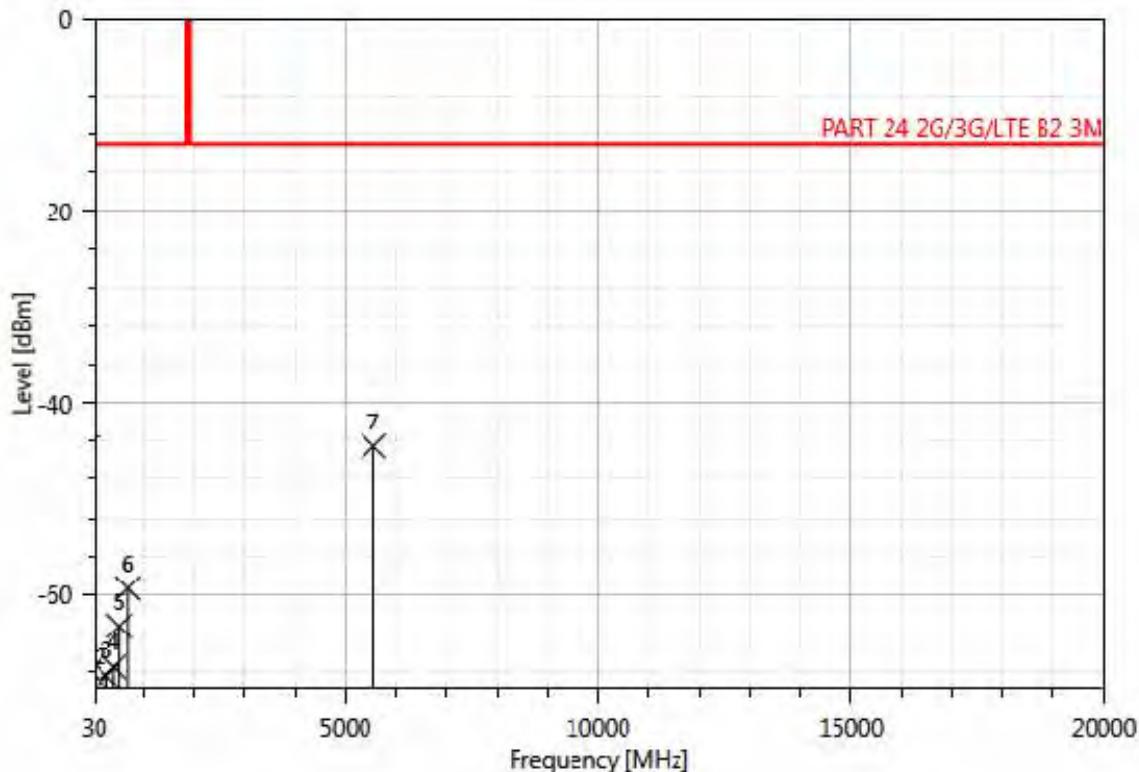
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## Radiated Spurious Emission Measurement Result: HSDPA II Mode

Operation Mode :	HSDPA B2	Test Date :	07/01/2016 23:56:28
Fundamental Frequency :	1852.4 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



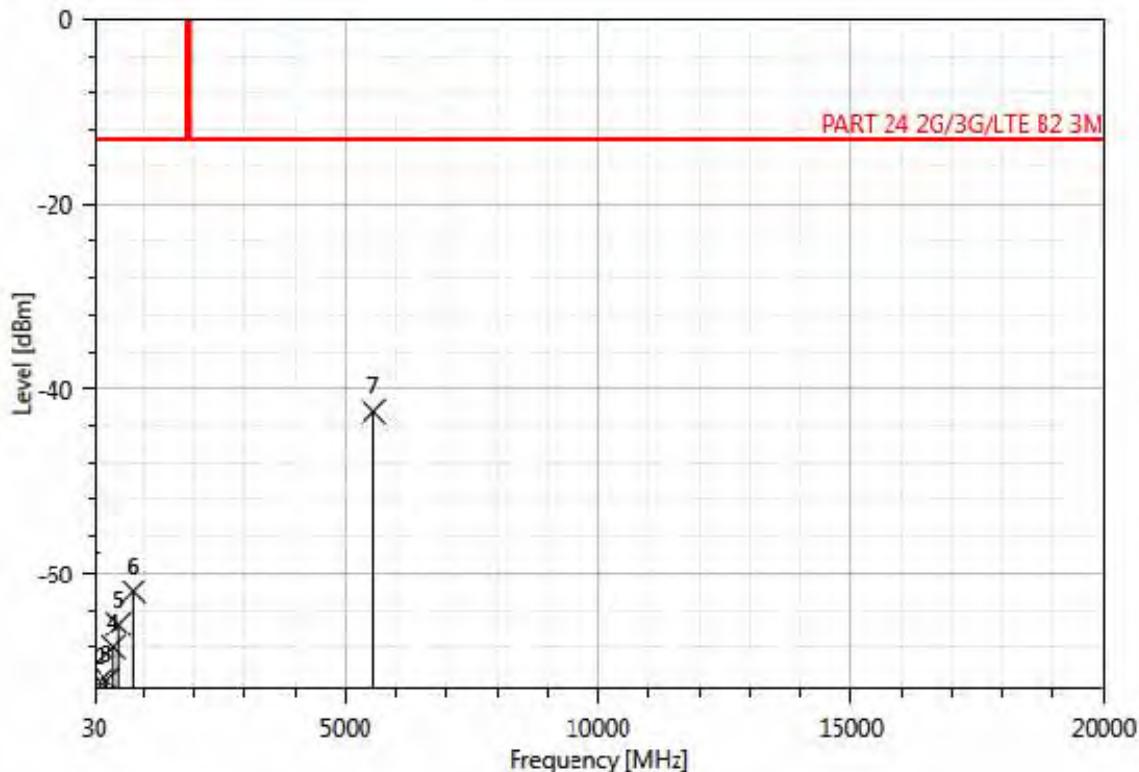
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-45.34	8.78	-12.63	-0.96	-13.00	-32.34
159.98	S	Peak	-69.02	4.16	0.51	-1.48	-13.00	-56.02
280.26	S	Peak	-68.43	-0.18	5.57	-1.88	-13.00	-55.43
419.94	S	Peak	-67.46	0.21	5.90	-2.33	-13.00	-54.46
527.61	S	Peak	-63.26	3.50	5.86	-2.47	-13.00	-50.26
696.39	S	Peak	-59.32	6.70	5.24	-2.91	-13.00	-46.32
5557.20	H	Peak	-44.51	12.28	12.90	-8.26	-13.00	-31.51

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Operation Mode : HSDPA B2      Test Date : 07/01/2016 23:56:29  
 Fundamental Frequency : 1852.4 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : HORIZONTAL



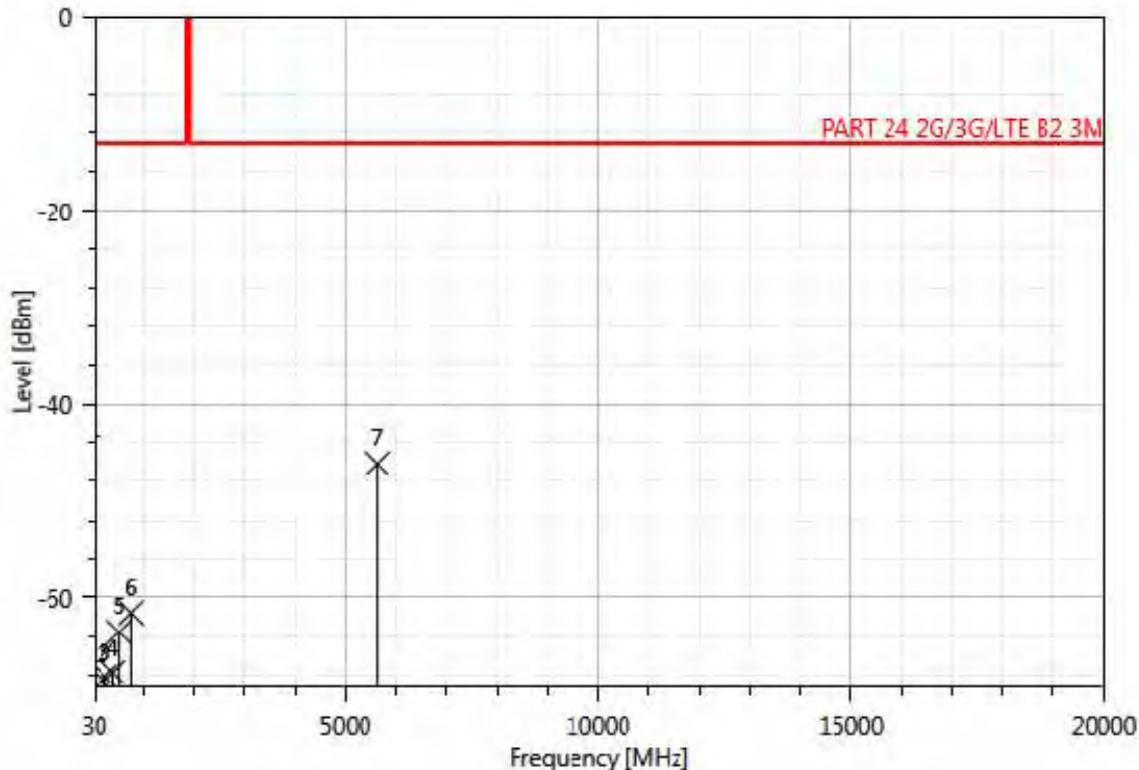
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-59.61	20.54	-12.63	-0.96	-13.00	-46.61
146.40	S	Peak	-71.65	1.83	-0.16	-1.42	-13.00	-58.65
280.26	S	Peak	-71.48	-4.08	5.57	-1.88	-13.00	-58.48
415.09	S	Peak	-67.96	-0.32	5.92	-2.37	-13.00	-54.96
513.06	S	Peak	-65.46	0.70	5.94	-2.35	-13.00	-52.46
798.24	S	Peak	-61.93	7.00	5.49	-2.90	-13.00	-48.93
5557.20	H	Peak	-42.41	12.21	12.90	-8.26	-13.00	-29.41

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Operation Mode : HSDPA B2      Test Date : 07/01/2016 23:56:30  
 Fundamental Frequency : 1880 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : VERTICAL



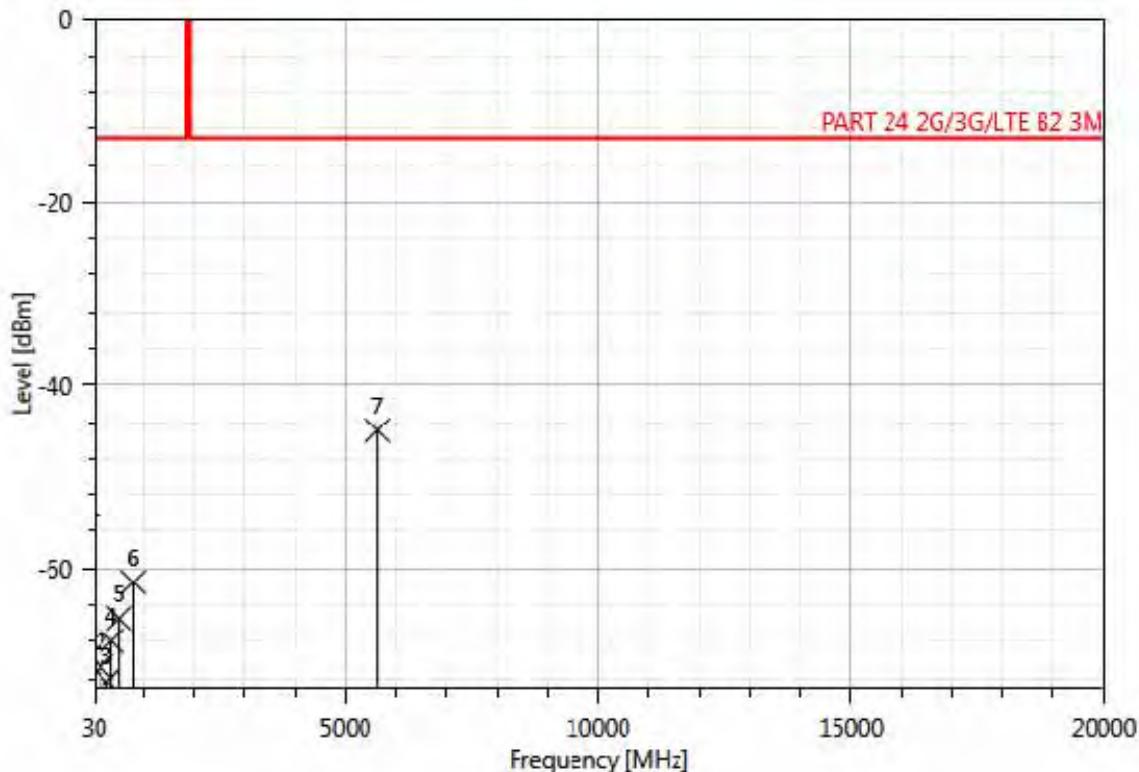
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-45.31	8.78	-12.63	-0.96	-13.00	-32.31
177.44	S	Peak	-68.46	1.04	2.59	-1.55	-13.00	-55.46
246.31	S	Peak	-68.13	-0.33	5.53	-1.75	-13.00	-55.13
403.45	S	Peak	-67.73	-0.48	5.96	-2.40	-13.00	-54.73
526.64	S	Peak	-63.56	3.44	5.86	-2.46	-13.00	-50.56
757.50	S	Peak	-61.59	8.18	5.36	-3.03	-13.00	-48.59
5640.00	H	Peak	-46.15	12.17	12.90	-8.36	-13.00	-33.15

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Operation Mode : HSDPA B2      Test Date : 07/01/2016 23:56:31  
 Fundamental Frequency : 1880 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : HORIZONTAL



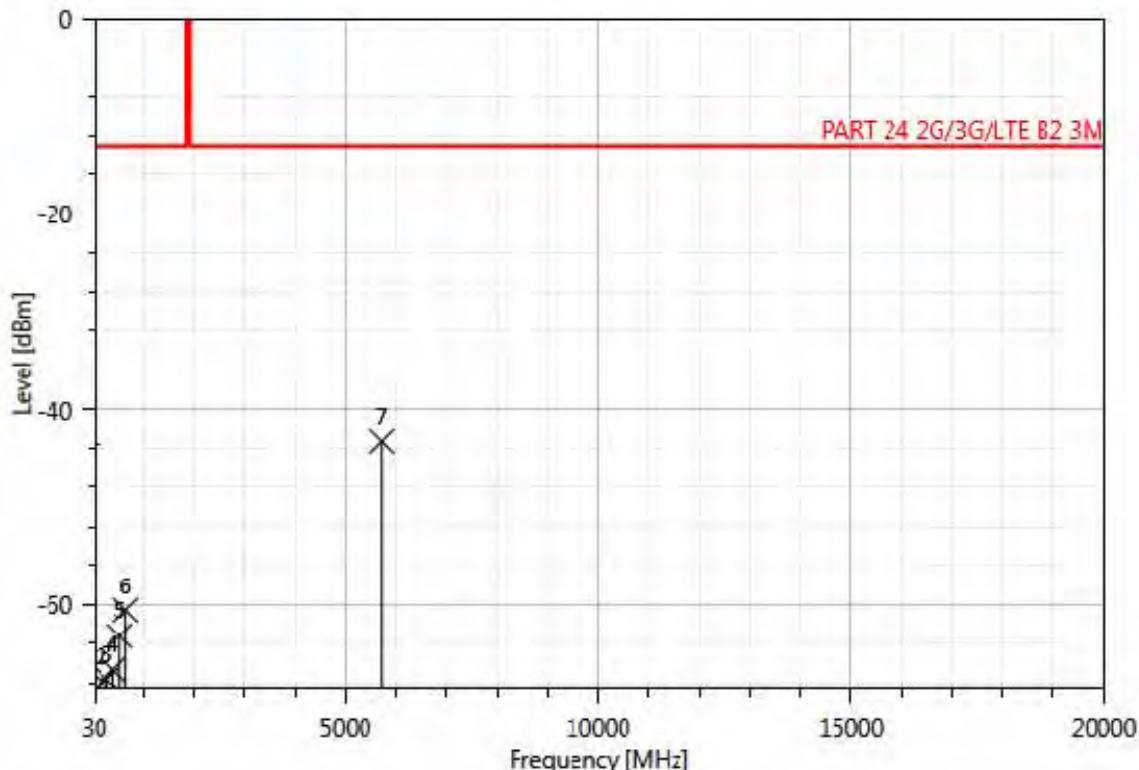
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-56.18	20.54	-12.63	-0.96	-13.00	-43.18
159.01	S	Peak	-70.70	0.54	0.47	-1.47	-13.00	-57.70
279.29	S	Peak	-72.35	-4.21	5.58	-1.87	-13.00	-59.35
372.41	S	Peak	-67.93	-0.70	5.99	-2.21	-13.00	-54.93
526.64	S	Peak	-65.44	1.04	5.86	-2.46	-13.00	-52.44
799.21	S	Peak	-61.50	7.01	5.49	-2.90	-13.00	-48.50
5640.00	H	Peak	-44.92	12.37	12.90	-8.36	-13.00	-31.92

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Operation Mode : HSDPA B2      Test Date : 07/01/2016 23:56:32  
 Fundamental Frequency : 1907.6 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : VERTICAL



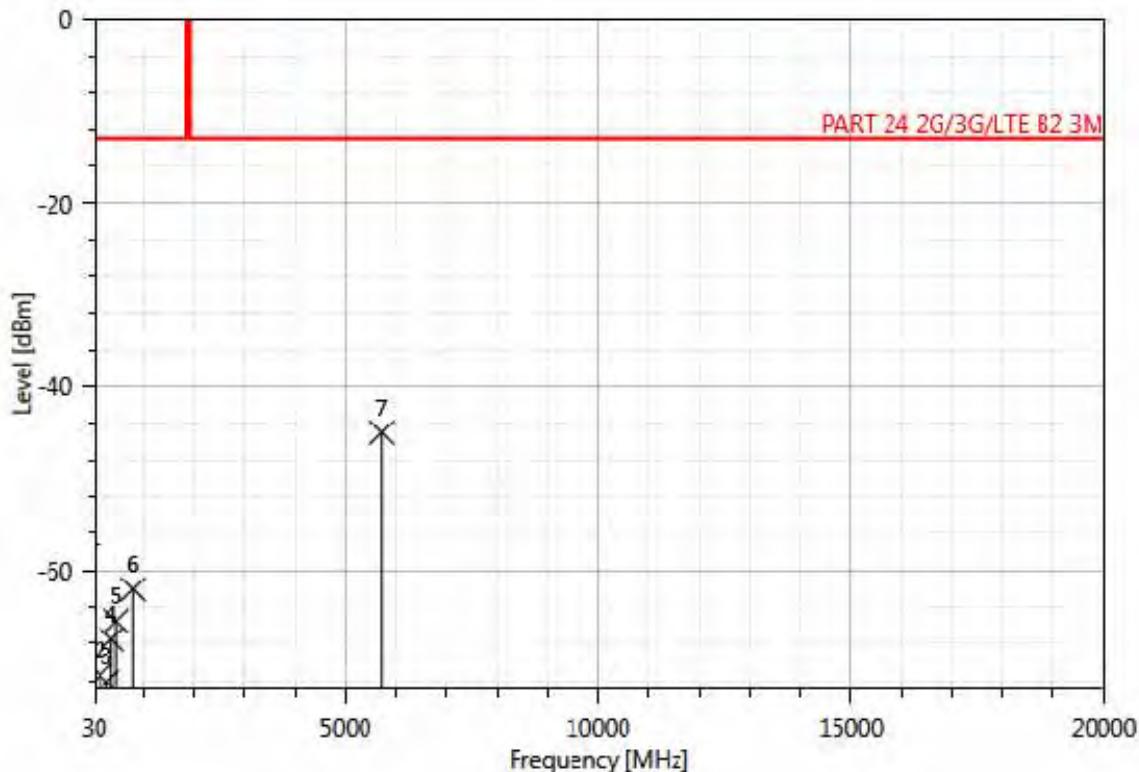
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-45.55	8.78	-12.63	-0.96	-13.00	-32.55
168.71	S	Peak	-67.91	2.88	1.15	-1.51	-13.00	-54.91
282.20	S	Peak	-67.69	-0.32	5.57	-1.89	-13.00	-54.69
400.54	S	Peak	-66.65	-0.57	5.97	-2.38	-13.00	-53.65
532.46	S	Peak	-63.24	3.48	5.83	-2.52	-13.00	-50.24
647.89	S	Peak	-60.60	5.33	5.29	-2.41	-13.00	-47.60
5722.80	H	Peak	-43.33	13.06	12.90	-8.38	-13.00	-30.33

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Operation Mode : HSDPA B2      Test Date : 07/01/2016 23:56:33  
 Fundamental Frequency : 1907.6 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-59.14	20.54	-12.63	-0.96	-13.00	-46.14
149.31	S	Peak	-71.38	0.91	0.01	-1.43	-13.00	-58.38
282.20	S	Peak	-72.11	-4.06	5.57	-1.89	-13.00	-59.11
374.35	S	Peak	-67.53	-0.60	5.99	-2.23	-13.00	-54.53
469.41	S	Peak	-65.50	0.01	5.88	-2.22	-13.00	-52.50
793.39	S	Peak	-62.08	6.78	5.47	-2.90	-13.00	-49.08
5722.80	H	Peak	-45.02	12.95	12.90	-8.38	-13.00	-32.02

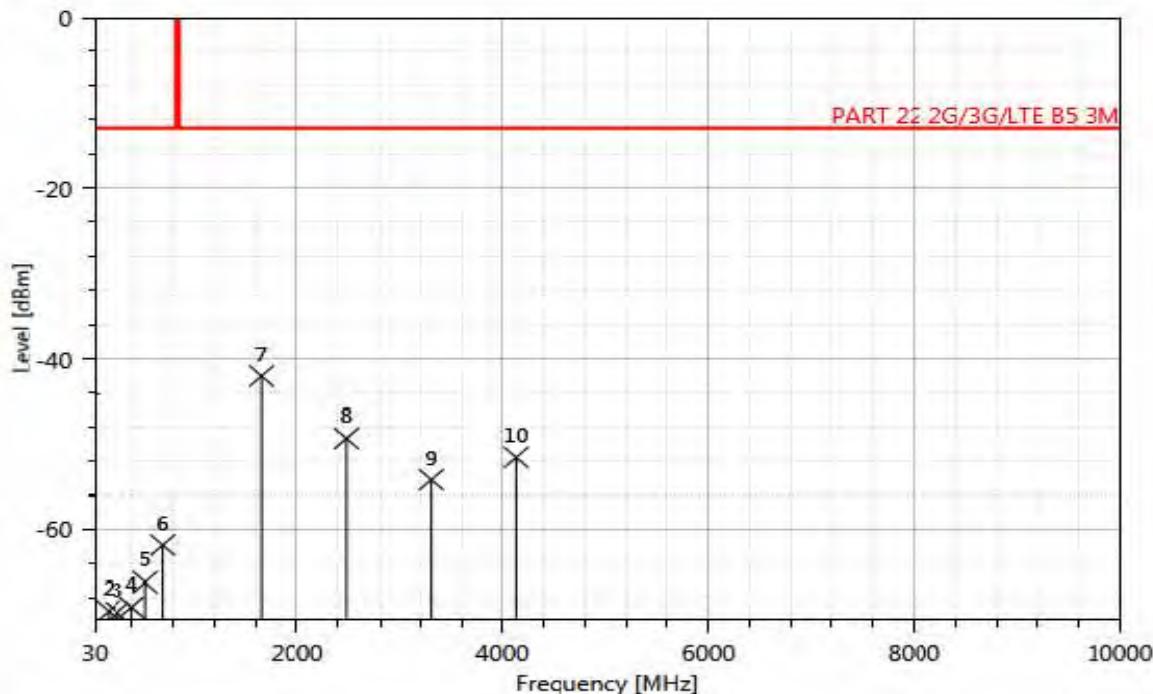
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## Radiated Spurious Emission Measurement Result: HSDPA V Mode

Operation Mode :	HSDPA B5	Test Date :	07/01/2016 23:19:12
Fundamental Frequency :	826.4 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



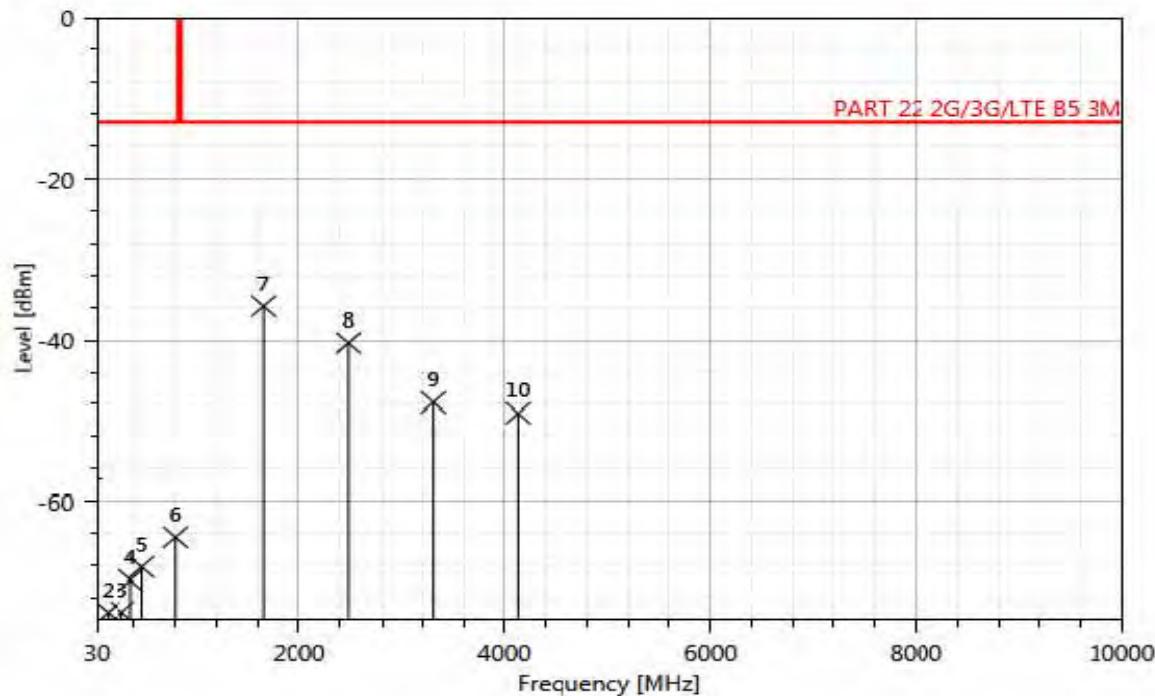
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-46.18	8.78	-14.78	-0.96	-13.00	-33.18
165.80	S	Peak	-69.58	3.61	-1.21	-1.50	-13.00	-56.58
253.10	S	Peak	-69.77	-0.95	3.51	-1.76	-13.00	-56.77
396.66	S	Peak	-69.10	-0.55	3.82	-2.36	-13.00	-56.10
526.64	S	Peak	-66.20	3.44	3.71	-2.46	-13.00	-53.20
694.45	S	Peak	-61.85	6.77	3.09	-2.88	-13.00	-48.85
1652.80	H	Peak	-42.04	0.16	7.12	-4.24	-13.00	-29.04
2479.20	H	Peak	-49.32	4.28	8.73	-5.23	-13.00	-36.32
3305.60	H	Peak	-54.24	5.09	9.92	-6.10	-13.00	-41.24
4132.00	H	Peak	-51.58	8.18	10.41	-6.94	-13.00	-38.58

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Operation Mode : HSDPA B5      Test Date : 07/01/2016 23:19:13  
 Fundamental Frequency : 826.4 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : HORIZONTAL



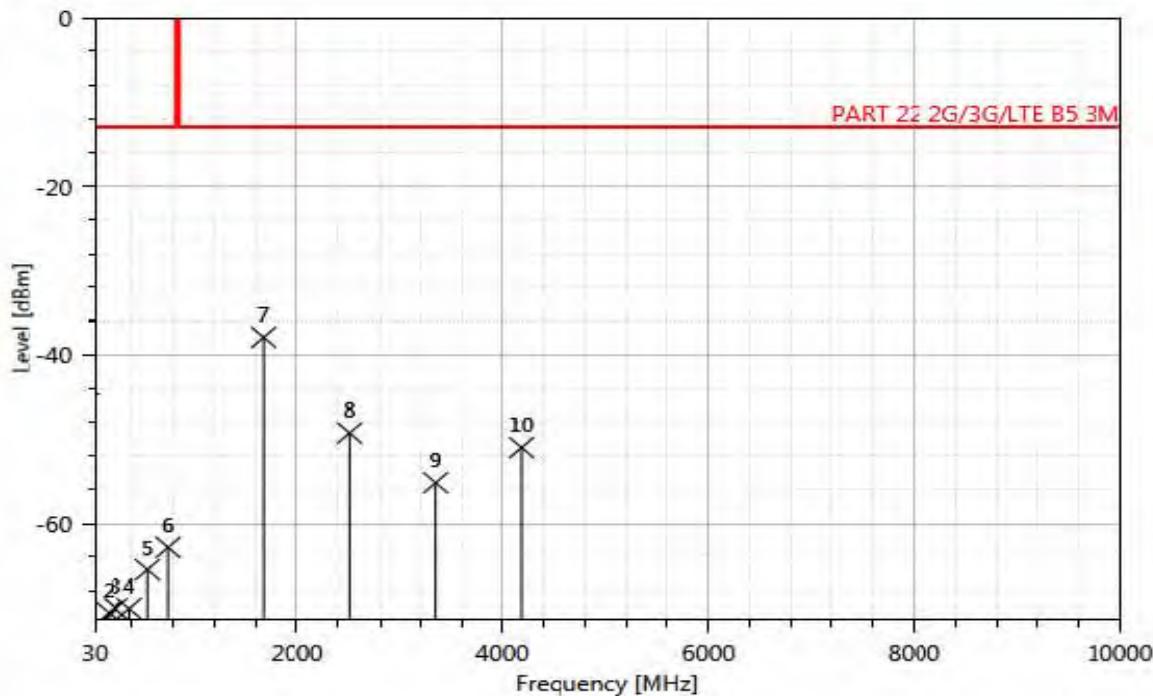
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-59.35	20.54	-14.78	-0.96	-13.00	-46.35
139.61	S	Peak	-73.84	1.23	-2.70	-1.39	-13.00	-60.84
280.26	S	Peak	-73.81	-4.08	3.42	-1.88	-13.00	-60.81
366.59	S	Peak	-69.80	-0.70	3.85	-2.17	-13.00	-56.80
474.26	S	Peak	-68.20	0.03	3.75	-2.23	-13.00	-55.20
796.30	S	Peak	-64.49	6.94	3.33	-2.90	-13.00	-51.49
1652.80	H	Peak	-35.86	0.29	7.12	-4.24	-13.00	-22.86
2479.20	H	Peak	-40.31	3.80	8.73	-5.23	-13.00	-27.31
3305.60	H	Peak	-47.74	5.22	9.92	-6.10	-13.00	-34.74
4132.00	H	Peak	-49.09	7.94	10.41	-6.94	-13.00	-36.09

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Operation Mode : HSDPA B5      Test Date : 07/01/2016 23:19:14  
 Fundamental Frequency : 836.6 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : VERTICAL



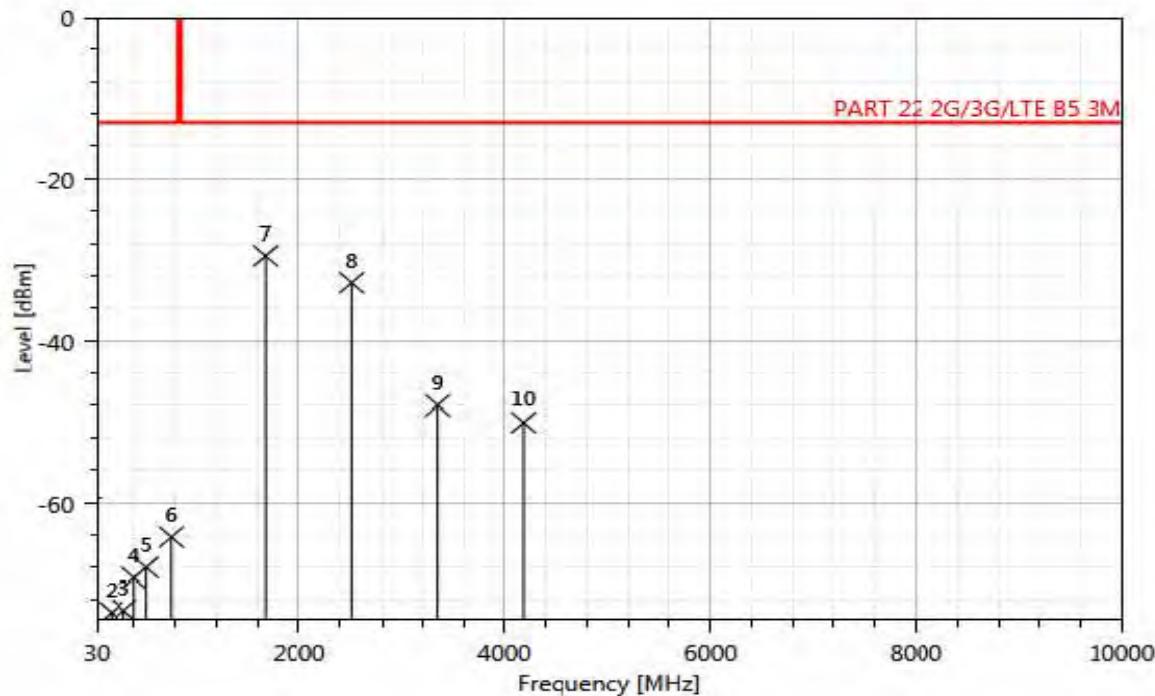
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-46.68	8.78	-14.78	-0.96	-13.00	-33.68
165.80	S	Peak	-70.56	3.61	-1.21	-1.50	-13.00	-57.56
239.52	S	Peak	-70.07	0.24	3.28	-1.74	-13.00	-57.07
374.35	S	Peak	-70.04	-0.38	3.84	-2.23	-13.00	-57.04
548.95	S	Peak	-65.53	3.49	3.59	-2.69	-13.00	-52.53
744.89	S	Peak	-62.84	7.49	3.17	-3.11	-13.00	-49.84
1673.20	H	Peak	-37.85	0.52	7.20	-4.29	-13.00	-24.85
2509.80	H	Peak	-49.23	4.27	8.76	-5.26	-13.00	-36.23
3346.40	H	Peak	-55.23	4.56	9.99	-6.26	-13.00	-42.23
4183.00	H	Peak	-50.98	8.35	10.43	-7.02	-13.00	-37.98

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Operation Mode : HSDPA B5      Test Date : 07/01/2016 23:19:15  
 Fundamental Frequency : 836.6 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : HORIZONTAL



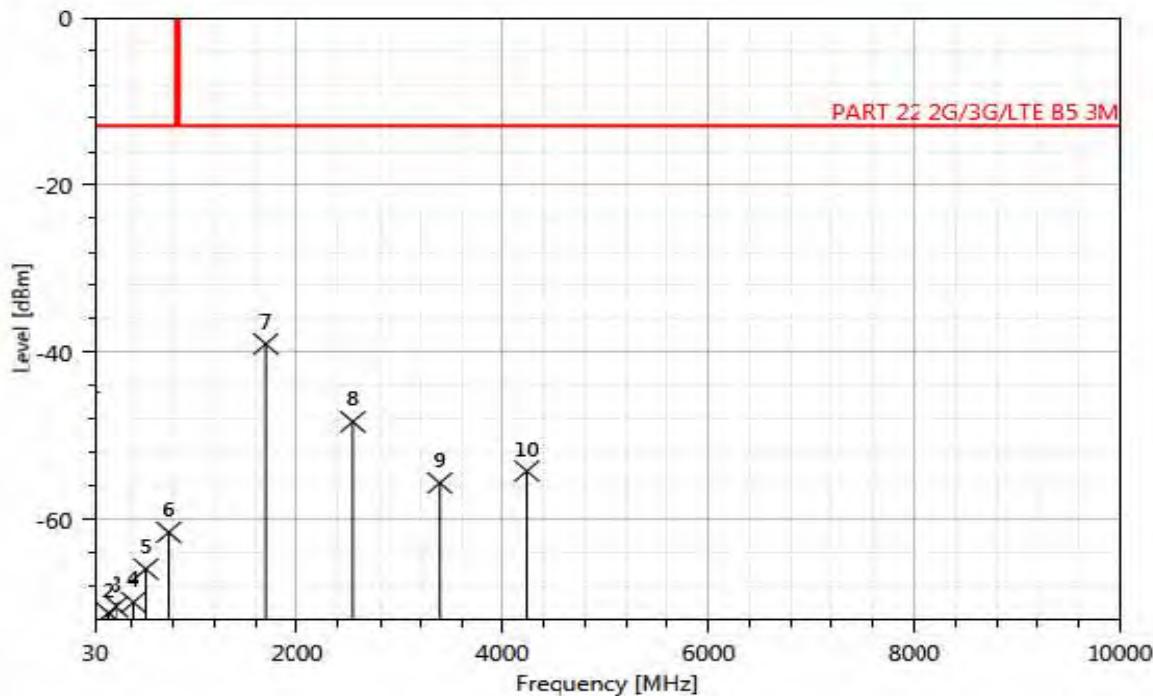
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-61.19	20.54	-14.78	-0.96	-13.00	-48.19
173.56	S	Peak	-73.55	-0.36	-0.26	-1.53	-13.00	-60.55
299.66	S	Peak	-73.29	-3.96	3.62	-1.95	-13.00	-60.29
400.54	S	Peak	-69.26	-0.79	3.82	-2.38	-13.00	-56.26
516.94	S	Peak	-68.00	0.76	3.76	-2.37	-13.00	-55.00
757.50	S	Peak	-64.19	6.50	3.21	-3.03	-13.00	-51.19
1673.20	H	Peak	-29.39	0.68	7.20	-4.29	-13.00	-16.39
2509.80	H	Peak	-32.76	3.94	8.76	-5.26	-13.00	-19.76
3346.40	H	Peak	-47.94	4.69	9.99	-6.26	-13.00	-34.94
4183.00	H	Peak	-50.02	8.27	10.43	-7.02	-13.00	-37.02

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Operation Mode : HSDPA B5      Test Date : 07/01/2016 23:19:16  
 Fundamental Frequency : 846.6 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : VERTICAL



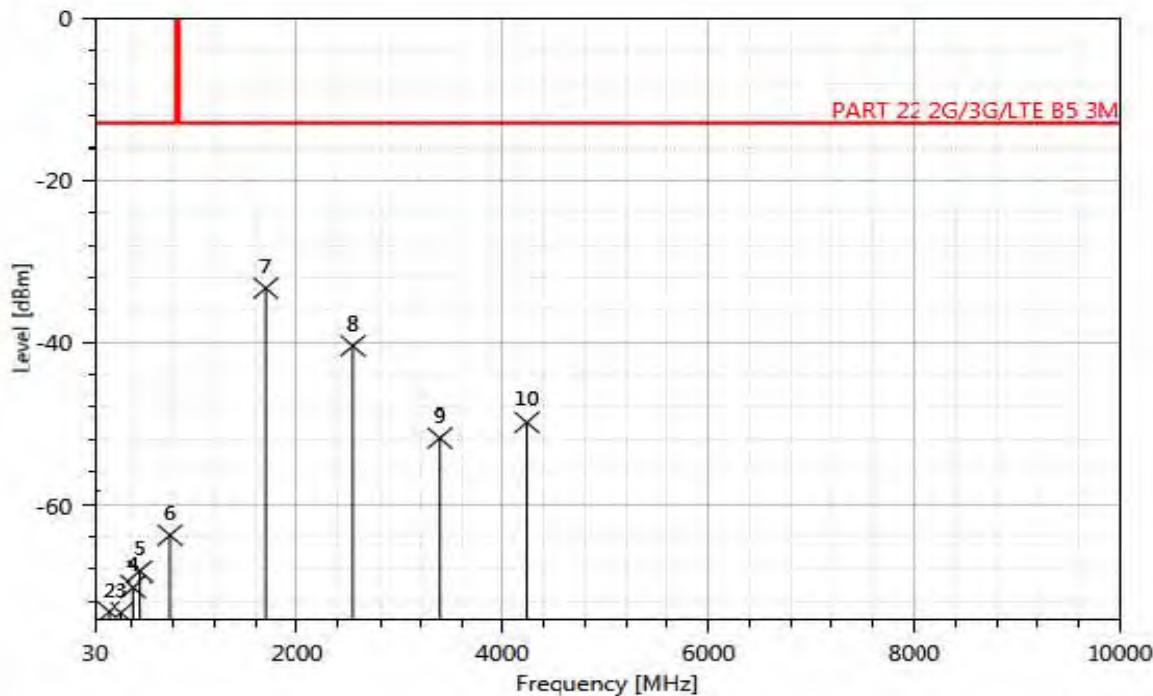
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-46.85	8.78	-14.78	-0.96	-13.00	-33.85
159.01	S	Peak	-71.19	3.79	-1.68	-1.47	-13.00	-58.19
246.31	S	Peak	-70.44	-0.33	3.38	-1.75	-13.00	-57.44
415.09	S	Peak	-69.91	0.07	3.77	-2.37	-13.00	-56.91
534.40	S	Peak	-66.05	3.60	3.67	-2.54	-13.00	-53.05
750.71	S	Peak	-61.56	8.17	3.18	-3.07	-13.00	-48.56
1693.20	H	Peak	-38.98	0.39	7.27	-4.30	-13.00	-25.98
2539.80	H	Peak	-48.28	4.35	8.80	-5.32	-13.00	-35.28
3386.40	H	Peak	-55.75	4.84	10.06	-6.26	-13.00	-42.75
4233.00	H	Peak	-54.29	8.60	10.45	-7.10	-13.00	-41.29

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Operation Mode : HSDPA B5      Test Date : 07/01/2016 23:19:17  
 Fundamental Frequency : 846.6 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-60.33	20.54	-14.78	-0.96	-13.00	-47.33
167.74	S	Peak	-73.15	0.39	-1.07	-1.51	-13.00	-60.15
296.75	S	Peak	-73.28	-4.02	3.56	-1.95	-13.00	-60.28
413.15	S	Peak	-70.09	-0.22	3.77	-2.38	-13.00	-57.09
476.20	S	Peak	-68.23	0.01	3.76	-2.23	-13.00	-55.23
762.35	S	Peak	-63.73	6.52	3.22	-3.00	-13.00	-50.73
1693.20	H	Peak	-33.35	0.49	7.27	-4.30	-13.00	-20.35
2539.80	H	Peak	-40.38	4.11	8.80	-5.32	-13.00	-27.38
3386.40	H	Peak	-51.74	4.82	10.06	-6.26	-13.00	-38.74
4233.00	H	Peak	-49.76	8.43	10.45	-7.10	-13.00	-36.76

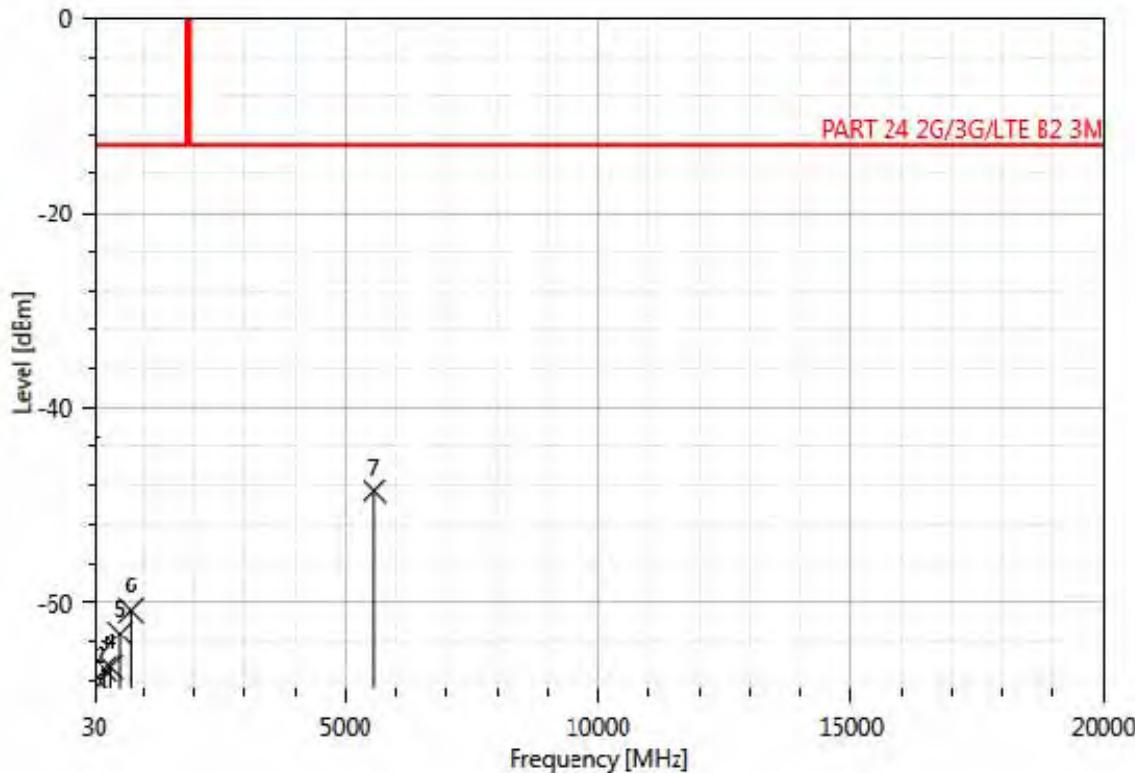
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## Radiated Spurious Emission Measurement Result: 15MHz BW LTE-Band 2 16QAM RB 1 0 (The Worst Case)

Operation Mode :	LTE B2	Test Date :	07/01/2016 22:46:46
Fundamental Frequency :	1857.5 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	H Plane	Measurement Antenna Pol. :	VERTICAL



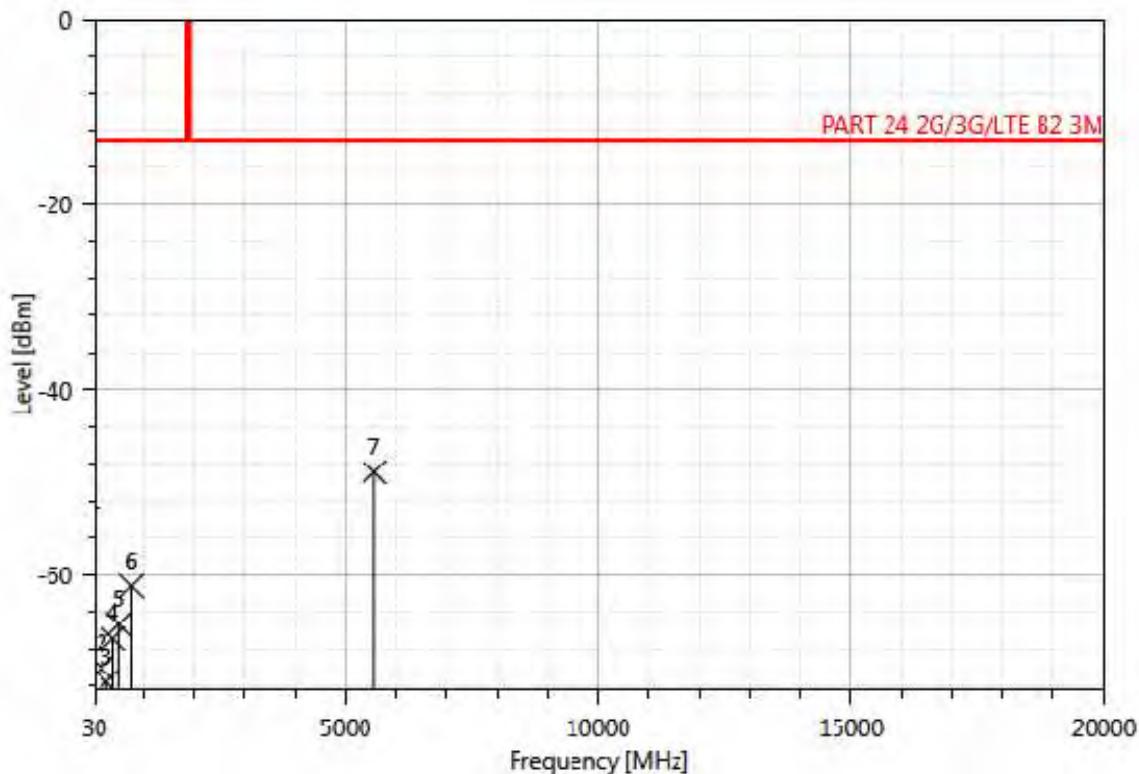
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-45.06	8.78	-12.63	-0.96	-13.00	-32.06
158.04	S	Peak	-68.04	3.41	0.42	-1.47	-13.00	-55.04
241.46	S	Peak	-66.80	-0.07	5.46	-1.74	-13.00	-53.80
359.80	S	Peak	-66.61	-0.50	6.00	-2.12	-13.00	-53.61
544.10	S	Peak	-63.20	3.49	5.77	-2.64	-13.00	-50.20
755.56	S	Peak	-60.83	8.11	5.35	-3.04	-13.00	-47.83
5572.50	H	Peak	-48.60	12.27	12.90	-8.30	-13.00	-35.60

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Operation Mode : LTE B2      Test Date : 07/01/2016 22:46:47  
 Fundamental Frequency : 1857.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : HORIZONTAL



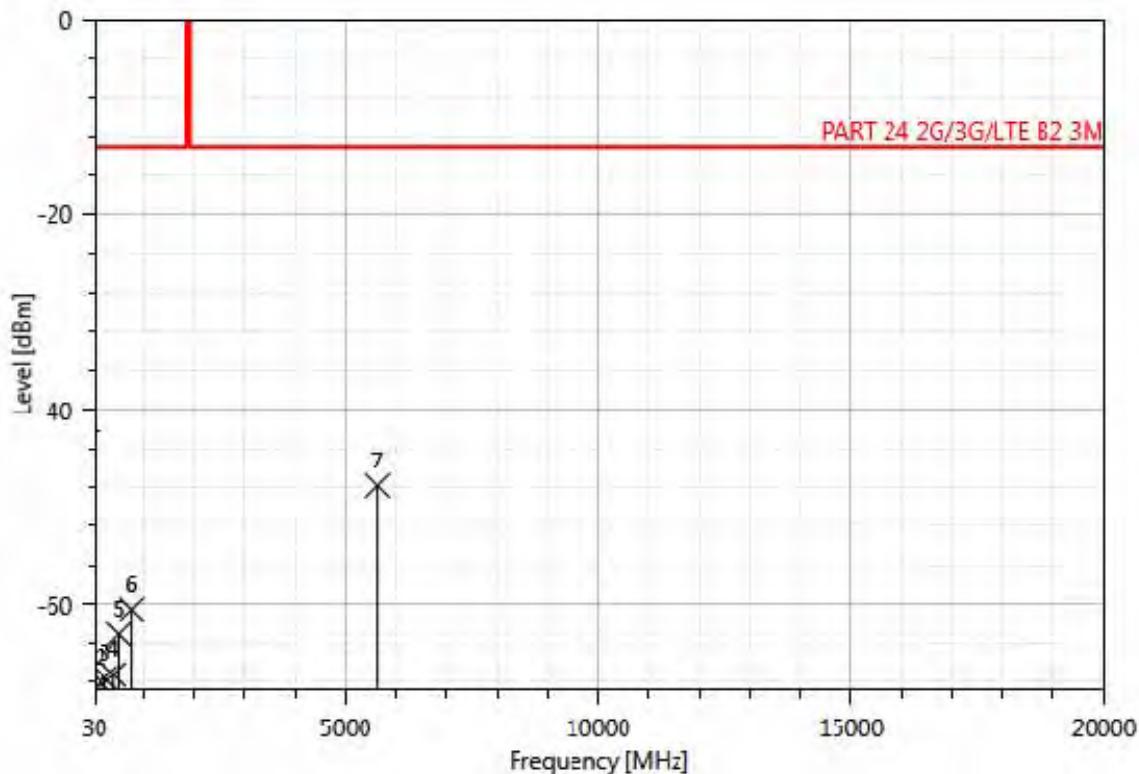
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-54.59	20.54	-12.63	-0.96	-13.00	-41.59
173.56	S	Peak	-69.98	-0.36	1.89	-1.53	-13.00	-56.98
274.44	S	Peak	-71.51	-4.55	5.62	-1.85	-13.00	-58.51
403.45	S	Peak	-66.82	-0.53	5.96	-2.40	-13.00	-53.82
519.85	S	Peak	-65.28	1.18	5.90	-2.39	-13.00	-52.28
762.35	S	Peak	-61.17	6.52	5.37	-3.00	-13.00	-48.17
5572.50	H	Peak	-48.86	12.30	12.90	-8.30	-13.00	-35.86

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Operation Mode : LTE B2      Test Date : 07/01/2016 22:46:48  
 Fundamental Frequency : 1880.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : VERTICAL



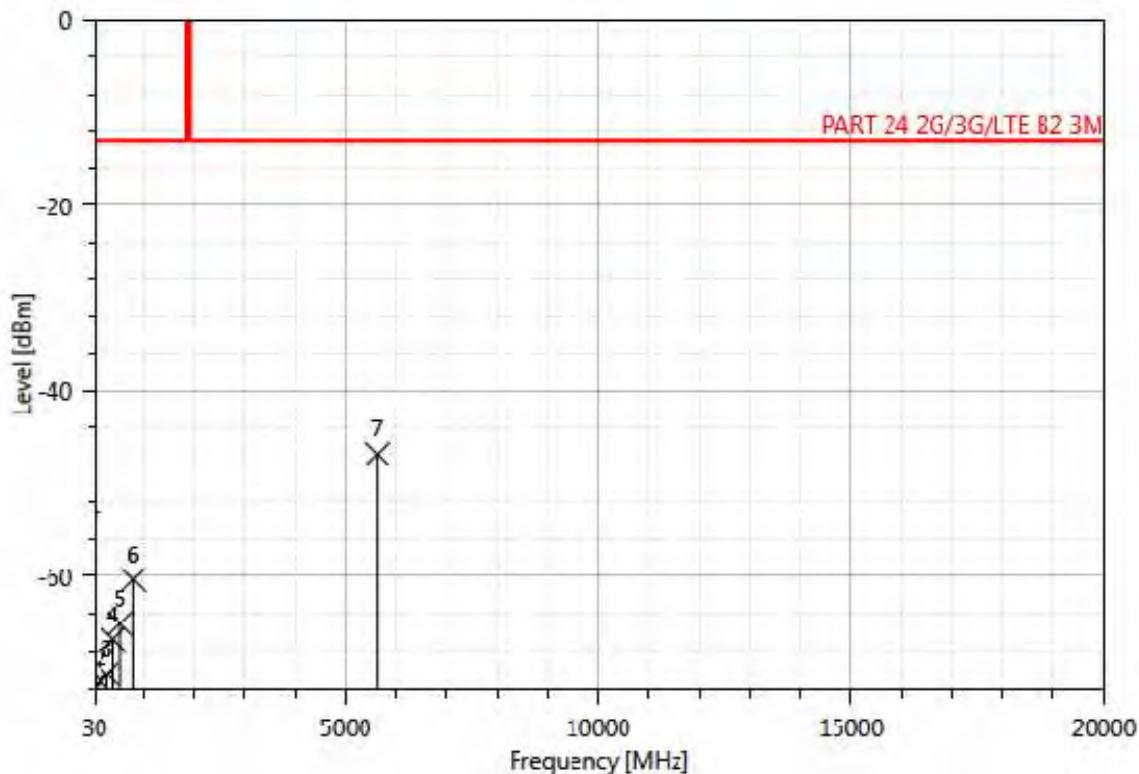
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							dBm	dB
30.00	S	Peak	-44.02	8.78	-12.63	-0.96	-13.00	-31.02
154.16	S	Peak	-67.97	3.89	0.25	-1.45	-13.00	-54.97
243.40	S	Peak	-67.56	-0.01	5.49	-1.75	-13.00	-54.56
415.09	S	Peak	-67.21	0.07	5.92	-2.37	-13.00	-54.21
522.76	S	Peak	-63.09	3.00	5.88	-2.42	-13.00	-50.09
765.26	S	Peak	-60.50	7.57	5.38	-2.98	-13.00	-47.50
5640.00	H	Peak	-47.82	12.17	12.90	-8.36	-13.00	-34.82

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Operation Mode : LTE B2      Test Date : 07/01/2016 22:46:50  
 Fundamental Frequency : 1880.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : HORIZONTAL



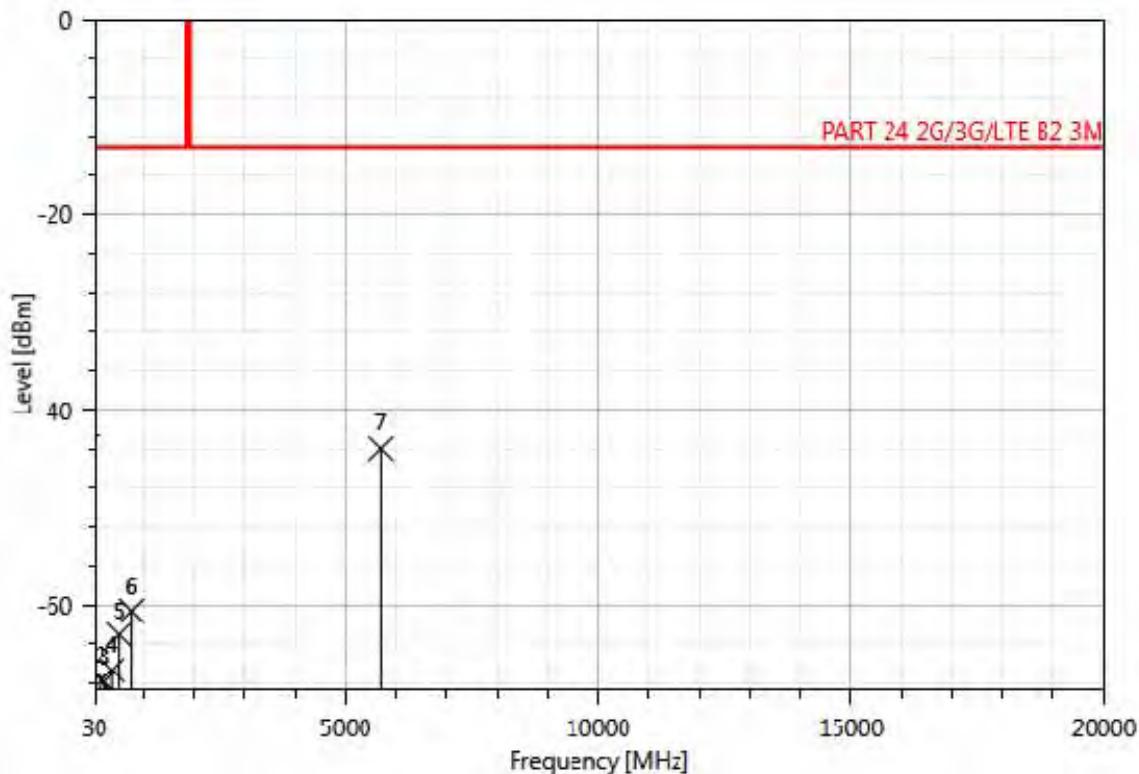
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							dBm	dB
30.00	S	Peak	-54.85	20.54	-12.63	-0.96	-13.00	-41.85
172.59	S	Peak	-71.38	-0.60	1.71	-1.53	-13.00	-58.38
284.14	S	Peak	-70.48	-4.08	5.58	-1.89	-13.00	-57.48
403.45	S	Peak	-66.79	-0.53	5.96	-2.40	-13.00	-53.79
542.16	S	Peak	-65.08	0.59	5.78	-2.62	-13.00	-52.08
798.24	S	Peak	-60.36	7.00	5.49	-2.90	-13.00	-47.36
5640.00	H	Peak	-46.80	12.37	12.90	-8.36	-13.00	-33.80

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Operation Mode : LTE B2      Test Date : 07/01/2016 22:46:51  
 Fundamental Frequency : 1902.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : VERTICAL



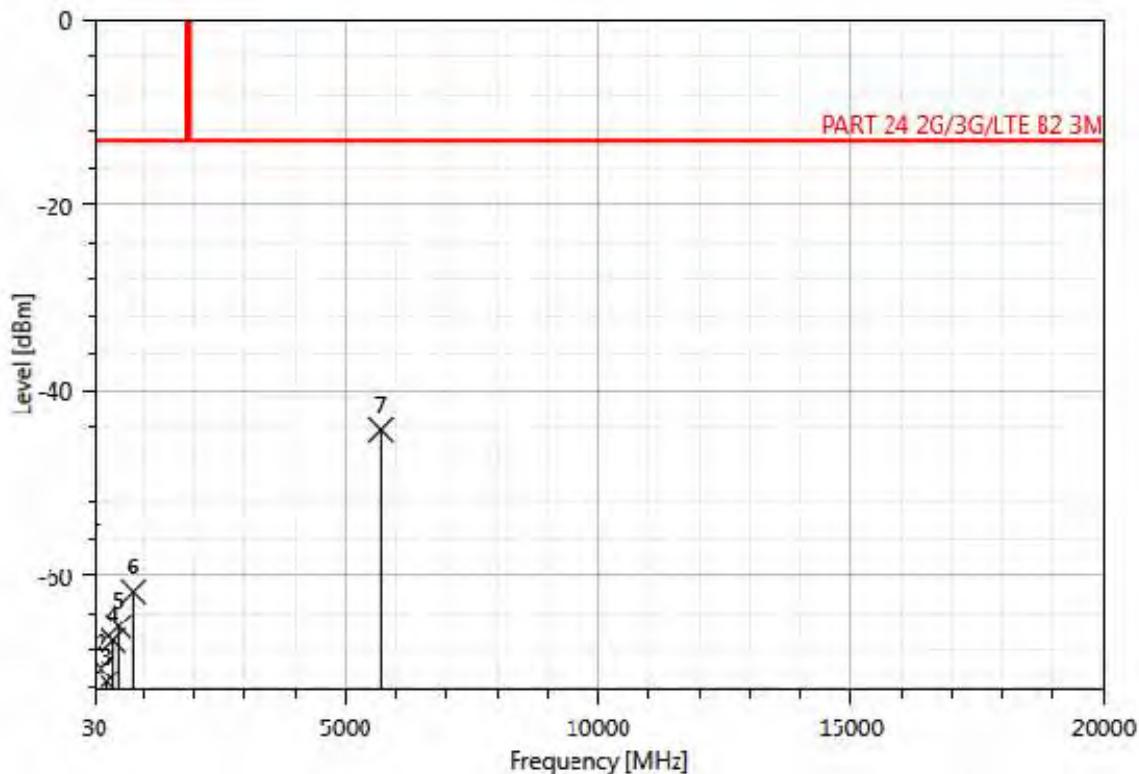
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							dBm	dB
30.00	S	Peak	-44.49	8.78	-12.63	-0.96	-13.00	-31.49
156.10	S	Peak	-67.69	3.09	0.34	-1.46	-13.00	-54.69
240.49	S	Peak	-67.84	0.08	5.44	-1.74	-13.00	-54.84
390.84	S	Peak	-66.61	-0.64	5.98	-2.33	-13.00	-53.61
529.55	S	Peak	-62.99	3.49	5.85	-2.49	-13.00	-49.99
765.26	S	Peak	-60.54	7.57	5.38	-2.98	-13.00	-47.54
5707.50	H	Peak	-43.91	12.75	12.90	-8.36	-13.00	-30.91

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Operation Mode : LTE B2      Test Date : 07/01/2016 22:46:52  
 Fundamental Frequency : 1902.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : H Plane      Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							dBm	dB
30.00	S	Peak	-56.59	20.54	-12.63	-0.96	-13.00	-43.59
167.74	S	Peak	-69.96	0.39	1.08	-1.51	-13.00	-56.96
291.90	S	Peak	-71.45	-4.03	5.62	-1.93	-13.00	-58.45
411.21	S	Peak	-66.95	-0.18	5.93	-2.39	-13.00	-53.95
516.94	S	Peak	-65.46	0.76	5.91	-2.37	-13.00	-52.46
798.24	S	Peak	-61.74	7.00	5.49	-2.90	-13.00	-48.74
5707.50	H	Peak	-44.28	12.74	12.90	-8.36	-13.00	-31.28

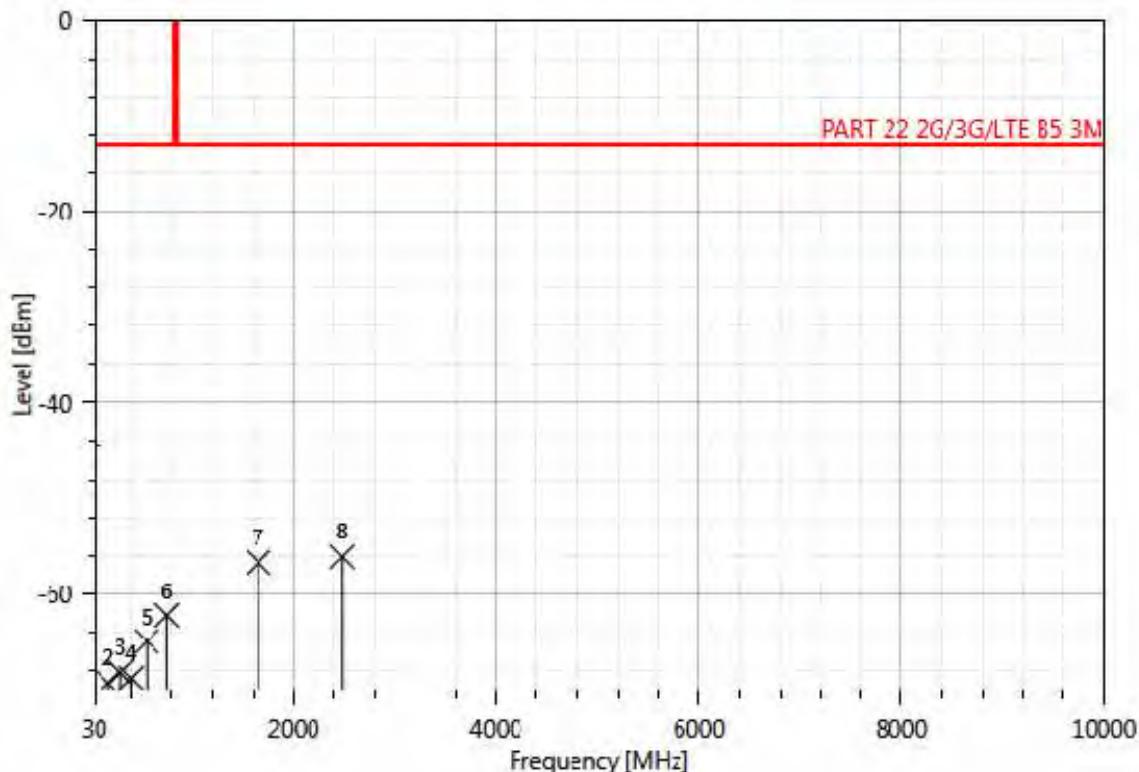
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## Radiated Spurious Emission Measurement Result: 3MHz BW LTE-Band 5 16QAM RB 1 0 (The Worst Case)

Operation Mode : LTE B5      Test Date : 07/01/2016 22:39:09  
 Fundamental Frequency : 825.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBd	Loss dB	dBm	dB
30.00	S	Peak	-46.40	8.78	-14.78	-0.96	-13.00	-33.40
167.74	S	Peak	-69.28	3.43	-1.07	-1.51	-13.00	-56.28
288.99	S	Peak	-68.22	-0.59	3.43	-1.92	-13.00	-55.22
393.75	S	Peak	-68.78	-0.62	3.83	-2.34	-13.00	-55.78
548.95	S	Peak	-64.97	3.49	3.59	-2.69	-13.00	-51.97
749.74	S	Peak	-62.24	8.13	3.18	-3.08	-13.00	-49.24
1651.00	H	Peak	-56.70	0.13	7.12	-4.23	-13.00	-43.70
2476.50	H	Peak	-56.11	4.30	8.73	-5.23	-13.00	-43.11

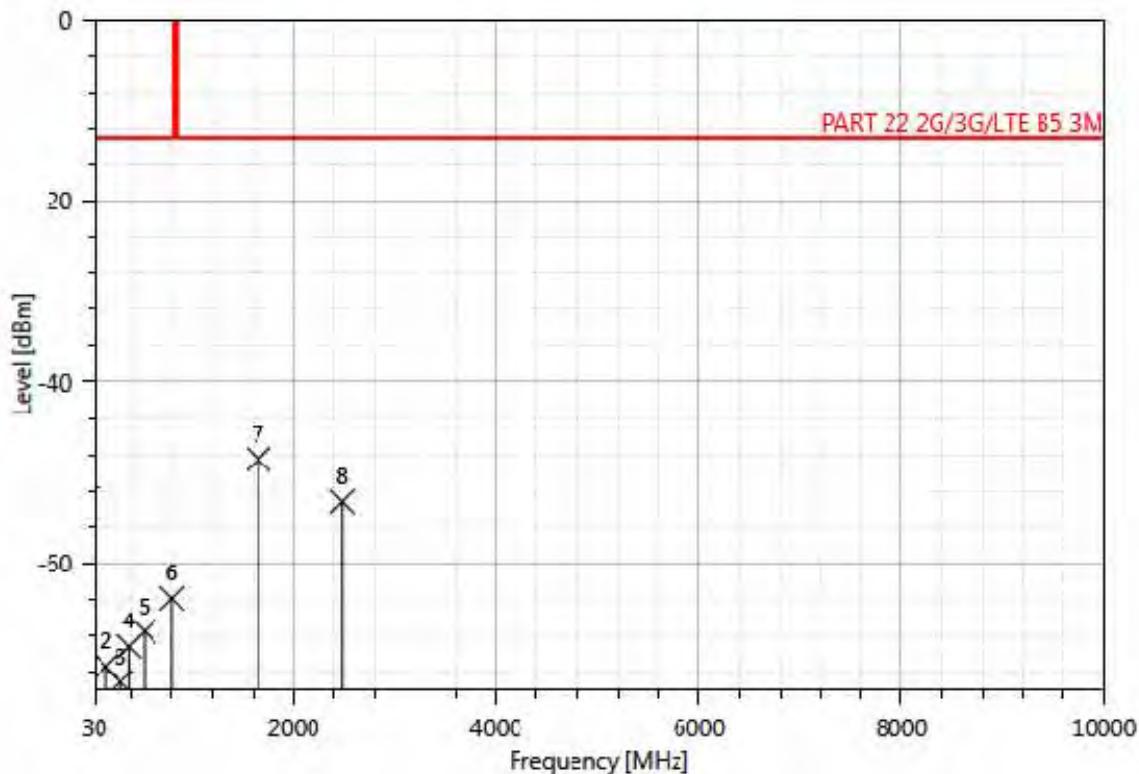
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Operation Mode : LTE B5  
 Fundamental Frequency : 825.5 MHz  
 Operation Band : Tx CH LOW  
 EUT Pol. : E2 Plane

Test Date : 07/01/2016 22:39:10  
 Temp. / Humi. : 22 deg\_C / 61 RH  
 Test Engineer : Tin  
 Measurement Antenna Pol. : HORIZONTAL



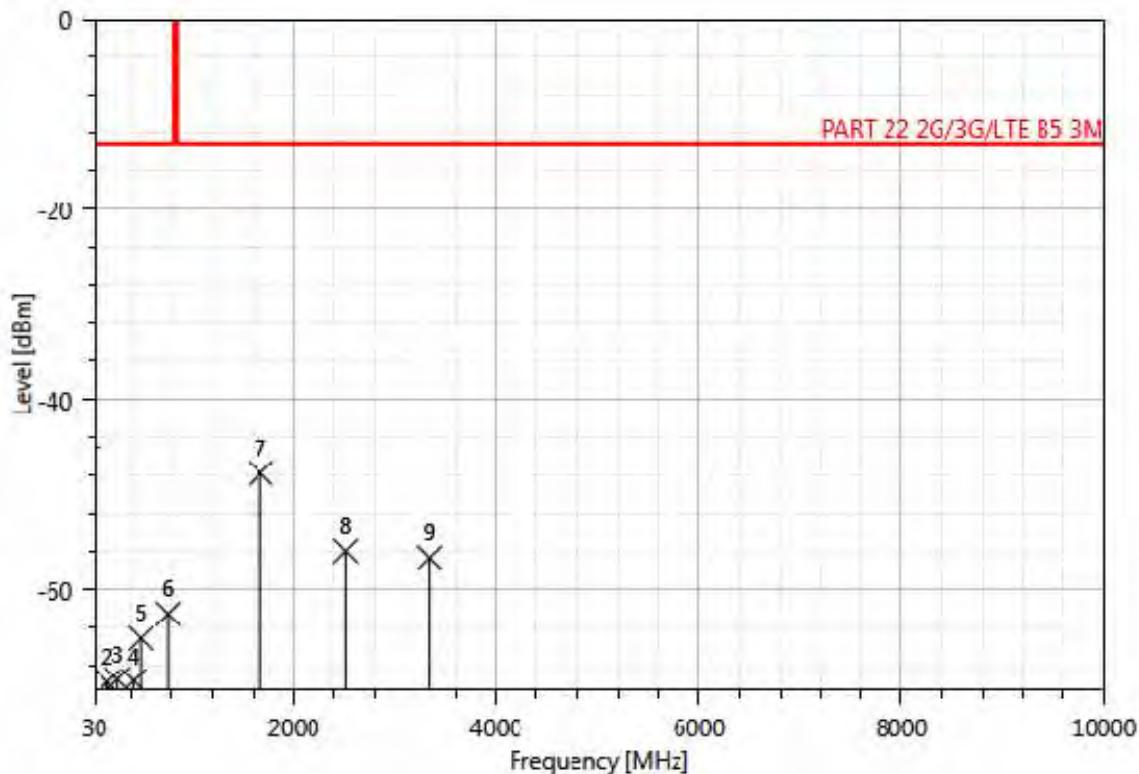
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-53.66	20.54	-14.78	-0.96	-13.00	-40.66
149.31	S	Peak	-71.35	0.91	-2.14	-1.43	-13.00	-58.35
288.99	S	Peak	-73.10	-3.98	3.43	-1.92	-13.00	-60.10
372.41	S	Peak	-69.17	-0.70	3.84	-2.21	-13.00	-56.17
524.70	S	Peak	-67.50	0.95	3.72	-2.44	-13.00	-54.50
798.24	S	Peak	-63.86	7.00	3.34	-2.90	-13.00	-50.86
1651.00	H	Peak	-48.50	0.26	7.12	-4.23	-13.00	-35.50
2476.50	H	Peak	-53.13	3.81	8.73	-5.23	-13.00	-40.13

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Operation Mode : LTE B5      Test Date : 07/01/2016 22:39:11  
 Fundamental Frequency : 836.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : VERTICAL



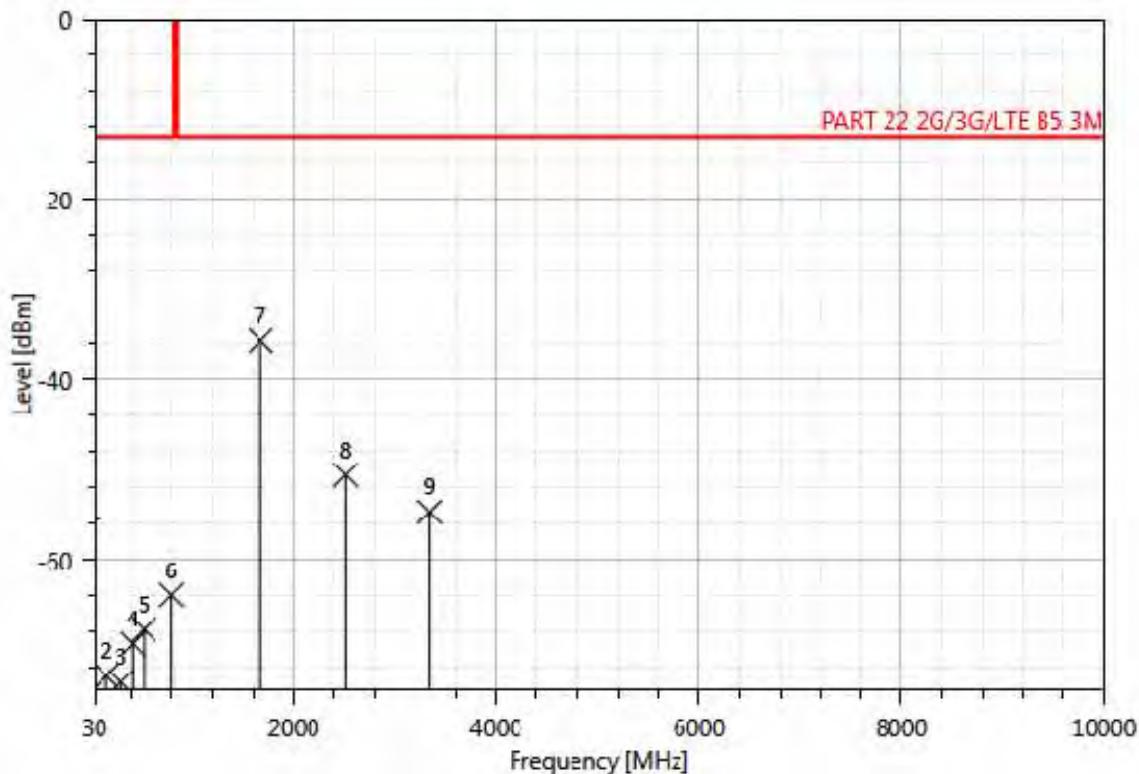
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m	Margin
							dBm	dB
30.00	S	Peak	-46.85	8.78	-14.78	-0.96	-13.00	-33.85
160.95	S	Peak	-69.71	3.78	-1.57	-1.48	-13.00	-56.71
259.89	S	Peak	-69.43	-1.00	3.68	-1.77	-13.00	-56.43
418.00	S	Peak	-69.58	0.13	3.76	-2.35	-13.00	-56.58
487.84	S	Peak	-65.10	0.55	3.81	-2.26	-13.00	-52.10
764.29	S	Peak	-62.52	7.61	3.23	-2.99	-13.00	-49.52
1673.00	H	Peak	-47.73	0.52	7.20	-4.29	-13.00	-34.73
2509.50	H	Peak	-55.91	4.26	8.76	-5.26	-13.00	-42.91
3346.00	H	Peak	-56.60	4.56	9.99	-6.26	-13.00	-43.60

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Operation Mode : LTE B5      Test Date : 07/01/2016 22:39:12  
 Fundamental Frequency : 836.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : HORIZONTAL



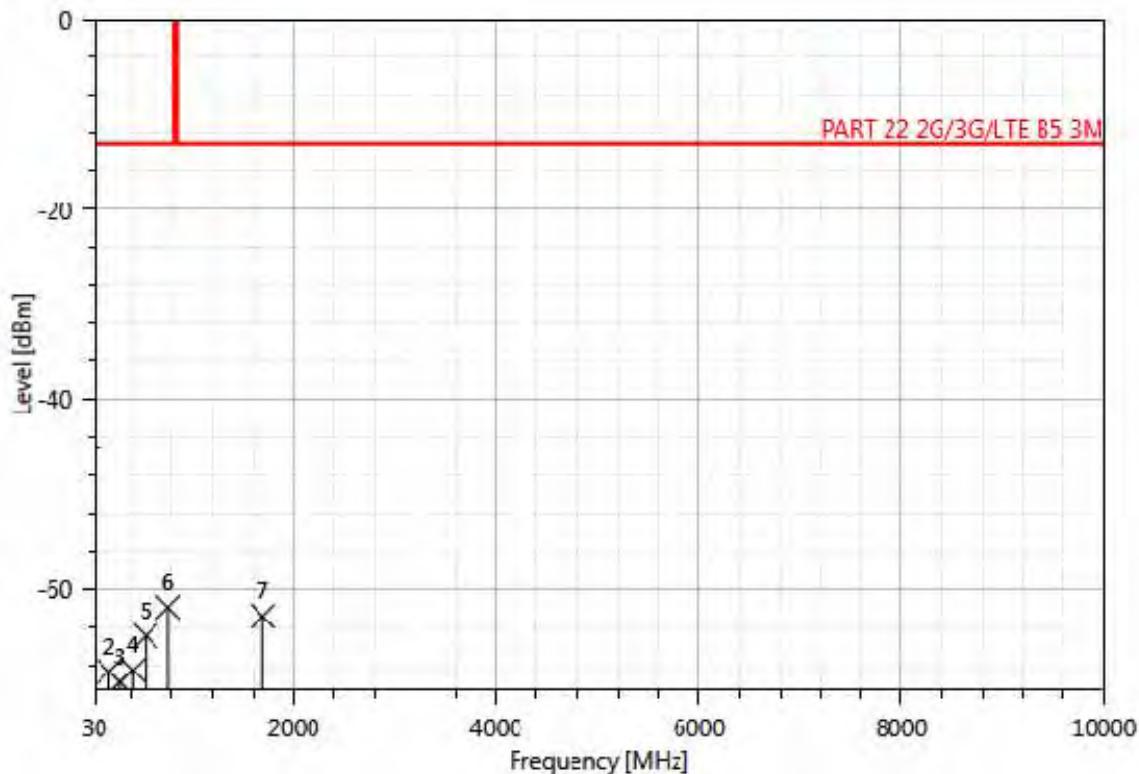
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBd	Loss dB	dBm	dB
30.00	S	Peak	-57.59	20.54	-14.78	-0.96	-13.00	-44.59
151.25	S	Peak	-72.87	0.85	-2.04	-1.44	-13.00	-59.87
293.84	S	Peak	-73.57	-4.03	3.50	-1.94	-13.00	-60.57
411.21	S	Peak	-69.33	-0.18	3.78	-2.39	-13.00	-56.33
520.82	S	Peak	-67.73	1.26	3.74	-2.40	-13.00	-54.73
793.39	S	Peak	-63.90	6.78	3.32	-2.90	-13.00	-50.90
1673.00	H	Peak	-35.62	0.68	7.20	-4.29	-13.00	-22.62
2509.50	H	Peak	-50.58	3.94	8.76	-5.26	-13.00	-37.58
3346.00	H	Peak	-54.66	4.69	9.99	-6.26	-13.00	-41.66

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Operation Mode : LTE B5      Test Date : 07/01/2016 22:39:13  
 Fundamental Frequency : 848.3 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : VERTICAL



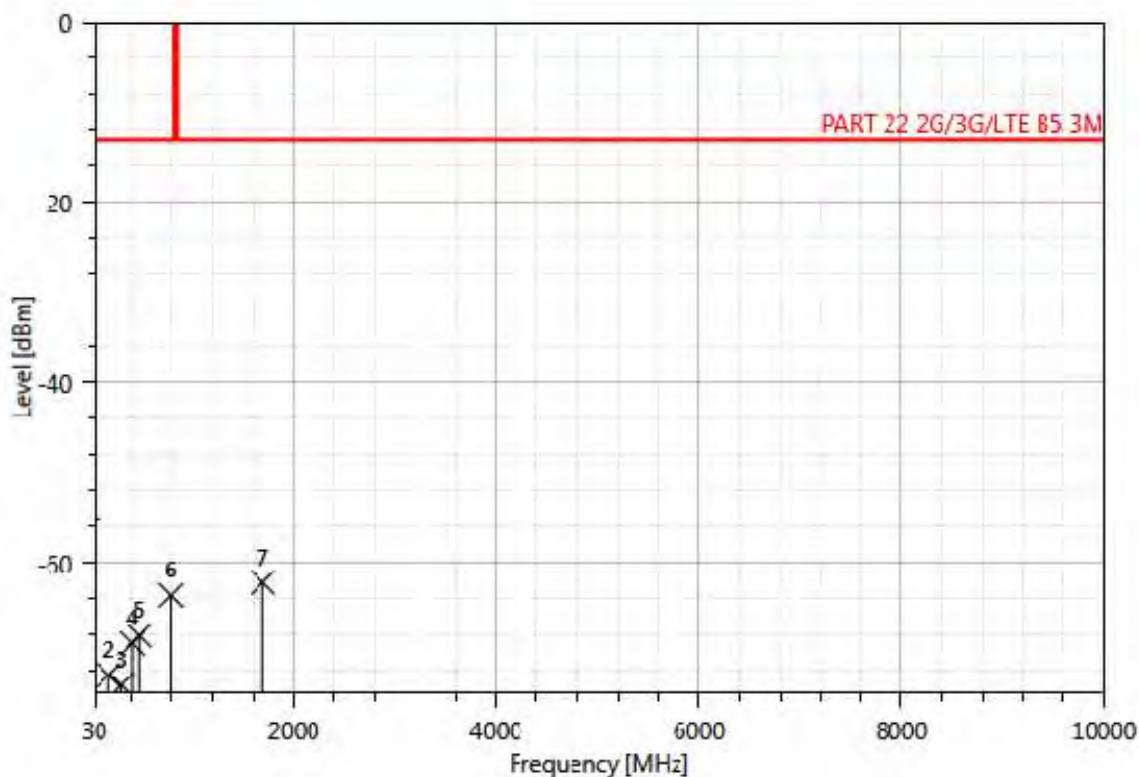
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBd	Loss dB	dBm	dB
30.00	S	Peak	-46.96	8.78	-14.78	-0.96	-13.00	-33.96
178.41	S	Peak	-68.70	1.19	0.61	-1.55	-13.00	-55.70
285.11	S	Peak	-69.81	-0.53	3.43	-1.90	-13.00	-56.81
411.21	S	Peak	-68.56	-0.04	3.78	-2.39	-13.00	-55.56
537.31	S	Peak	-64.93	3.51	3.65	-2.57	-13.00	-51.93
760.41	S	Peak	-61.93	7.90	3.22	-3.01	-13.00	-48.93
1696.60	H	Peak	-62.86	0.32	7.28	-4.31	-13.00	-49.86

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Operation Mode : LTE B5      Test Date : 07/01/2016 22:39:14  
 Fundamental Frequency : 848.3 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E2 Plane      Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBd	Loss dB	dBm	dB
30.00	S	Peak	-57.14	20.54	-14.78	-0.96	-13.00	-44.14
173.56	S	Peak	-72.49	-0.36	-0.26	-1.53	-13.00	-59.49
299.66	S	Peak	-73.61	-3.96	3.62	-1.95	-13.00	-60.61
405.39	S	Peak	-68.99	-0.43	3.80	-2.41	-13.00	-55.99
468.44	S	Peak	-68.10	-0.02	3.73	-2.22	-13.00	-55.10
791.45	S	Peak	-63.64	6.73	3.32	-2.90	-13.00	-50.64
1696.60	H	Peak	-62.21	0.41	7.28	-4.31	-13.00	-49.21

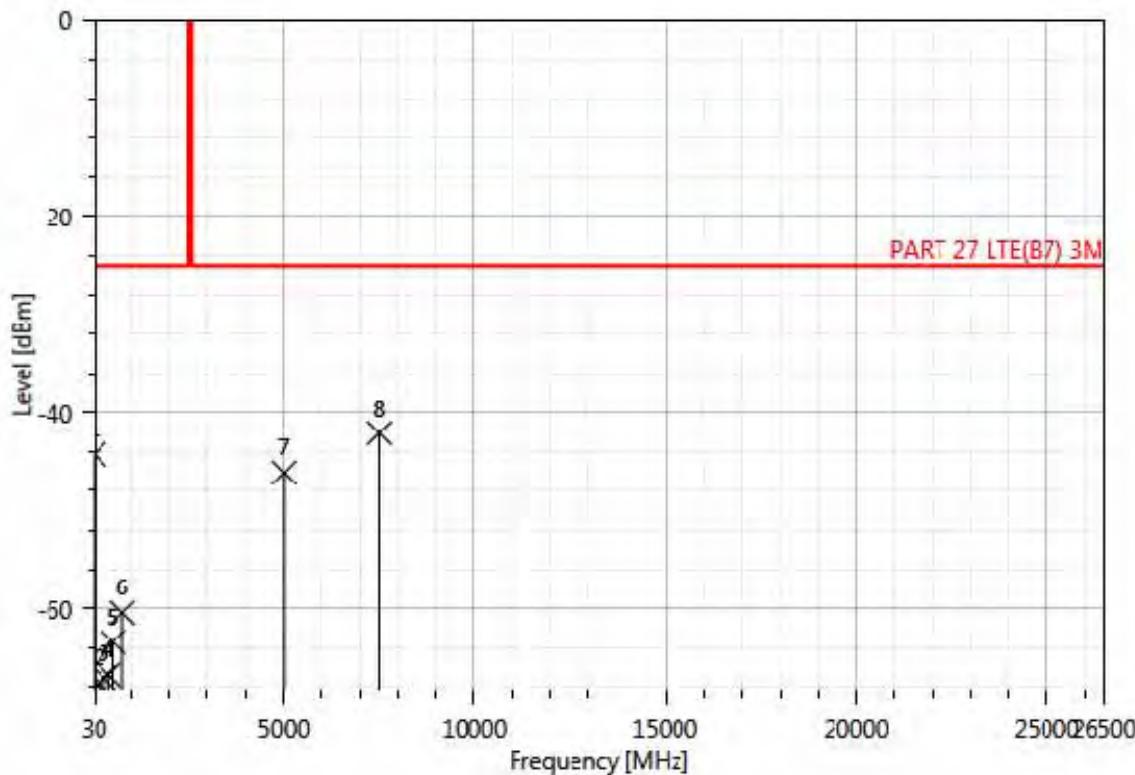
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## Radiated Spurious Emission Measurement Result: 10MHz BW LTE-Band 7 16QAM RB 1 0 (The Worst Case)

Operation Mode :	LTE B7	Test Date :	07/01/2016 23:41:12
Fundamental Frequency :	2505.0 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBi	Loss dB	dBm	dB
30.00	S	Peak	-44.25	8.78	-12.63	-0.96	-25.00	-19.25
173.56	S	Peak	-67.56	2.83	1.89	-1.53	-25.00	-42.56
282.20	S	Peak	-67.04	-0.32	5.57	-1.89	-25.00	-42.04
411.21	S	Peak	-66.73	-0.04	5.93	-2.39	-25.00	-41.73
527.61	S	Peak	-63.40	3.50	5.86	-2.47	-25.00	-38.40
765.26	S	Peak	-60.42	7.57	5.38	-2.98	-25.00	-35.42
5010.00	H	Peak	-46.14	11.56	12.70	-7.81	-25.00	-21.14
7515.00	H	Peak	-42.10	20.90	11.00	-9.81	-25.00	-17.10

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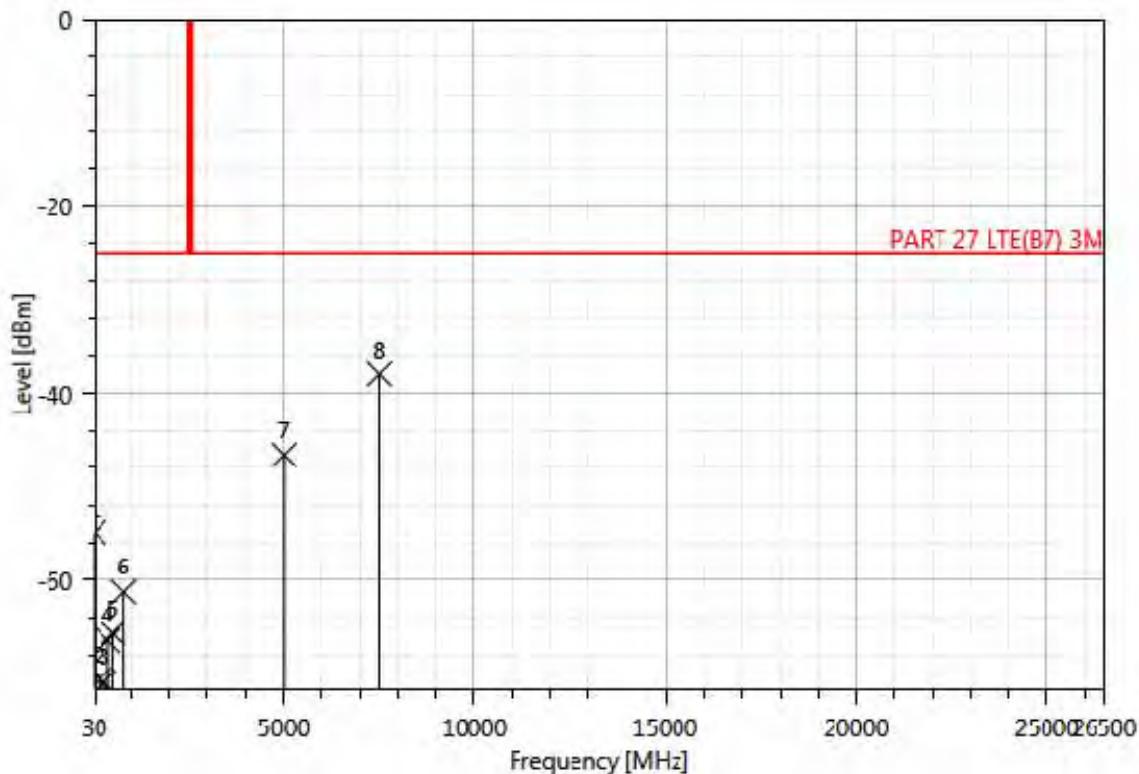
台灣檢驗科技股份有限公司 | t (886-2) 2299-3279

f (886-2) 2298-0488

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Operation Mode : LTE B7      Test Date : 07/01/2016 23:41:13  
 Fundamental Frequency : 2505.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : HORIZONTAL



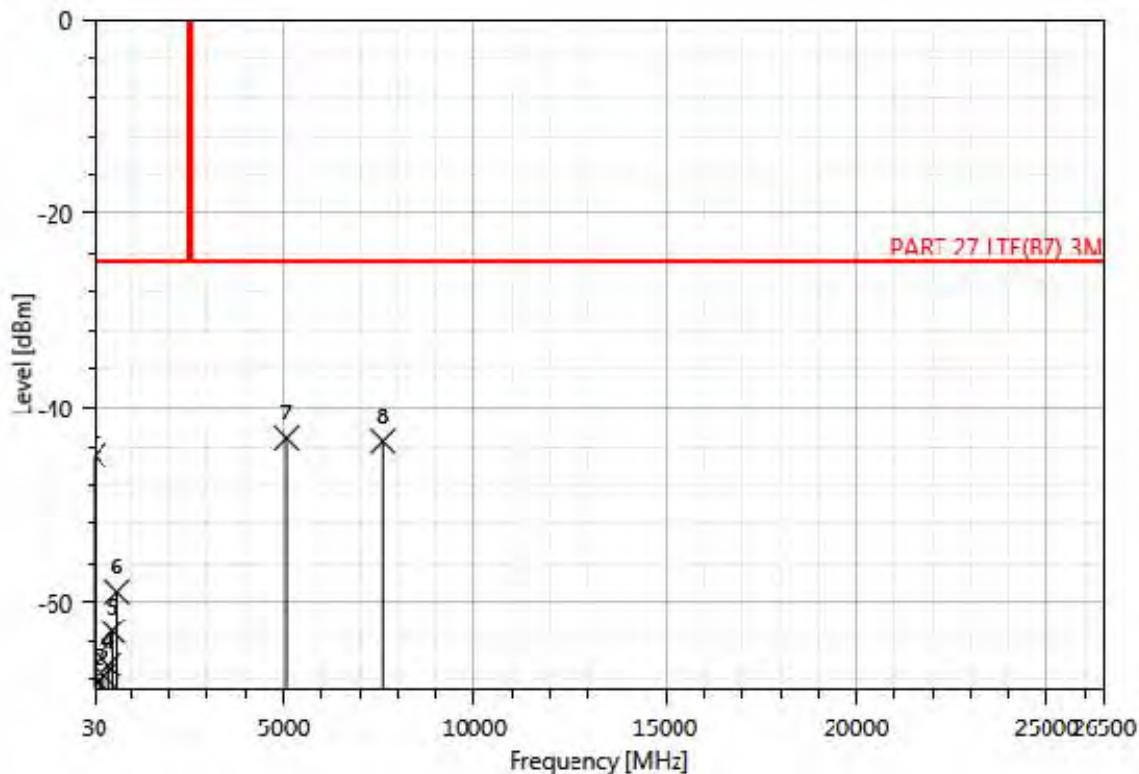
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							dBm	dB
30.00	S	Peak	-54.94	20.54	-12.63	-0.96	-25.00	-29.94
165.80	S	Peak	-70.65	0.42	0.94	-1.50	-25.00	-45.65
287.05	S	Peak	-70.90	-3.95	5.58	-1.91	-25.00	-45.90
393.75	S	Peak	-66.47	-1.09	5.98	-2.34	-25.00	-41.47
519.85	S	Peak	-65.66	1.18	5.90	-2.39	-25.00	-40.66
799.21	S	Peak	-61.26	7.01	5.49	-2.90	-25.00	-36.26
5010.00	H	Peak	-46.57	11.65	12.70	-7.81	-25.00	-21.57
7515.00	H	Peak	-37.97	20.03	11.00	-9.81	-25.00	-12.97

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Operation Mode : LTE B7      Test Date : 07/01/2016 23:41:14  
 Fundamental Frequency : 2535.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : VERTICAL



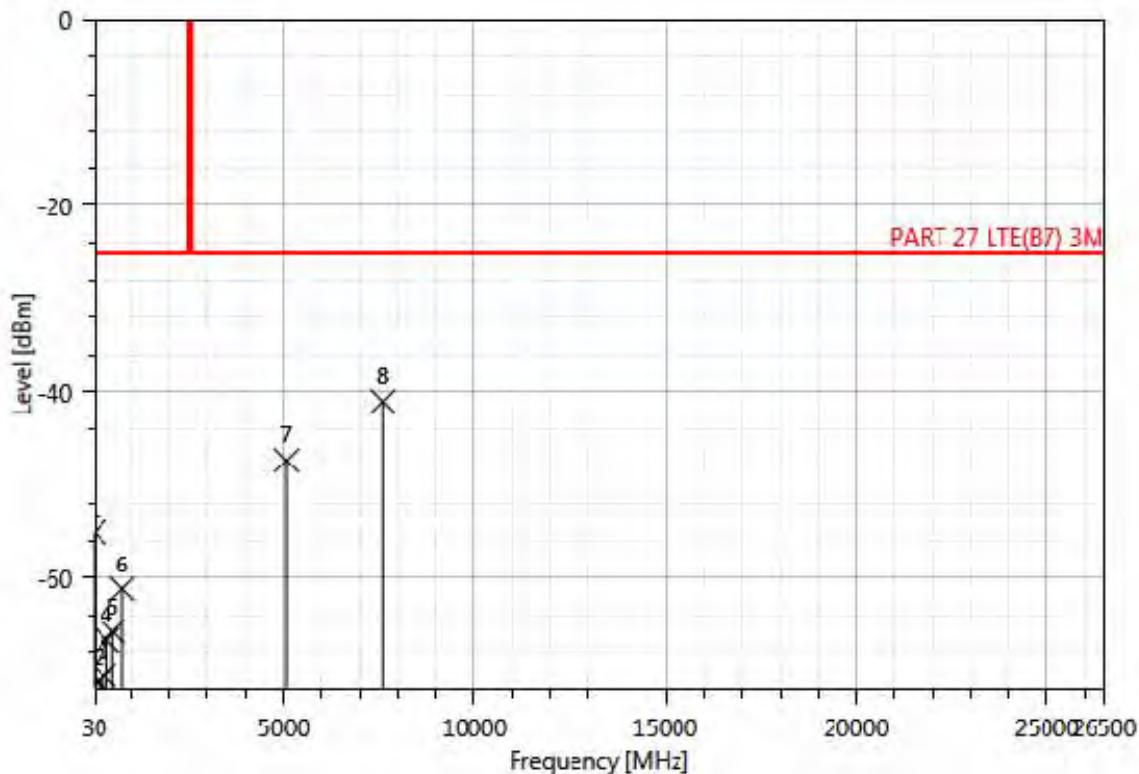
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBi	Loss dB	dBm	dB
30.00	S	Peak	-44.86	8.78	-12.63	-0.96	-25.00	-19.86
153.19	S	Peak	-68.24	3.68	0.20	-1.44	-25.00	-43.24
279.29	S	Peak	-67.58	-0.26	5.58	-1.87	-25.00	-42.58
408.30	S	Peak	-66.47	-0.29	5.94	-2.41	-25.00	-41.47
521.79	S	Peak	-62.99	3.02	5.89	-2.41	-25.00	-37.99
631.40	S	Peak	-58.97	6.18	5.33	-2.46	-25.00	-33.97
5070.00	H	Peak	-43.11	12.13	12.73	-7.86	-25.00	-18.11
7605.00	H	Peak	-43.42	21.03	11.02	-9.89	-25.00	-18.42

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Operation Mode : LTE B7      Test Date : 07/01/2016 23:41:15  
 Fundamental Frequency : 2535.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : HORIZONTAL



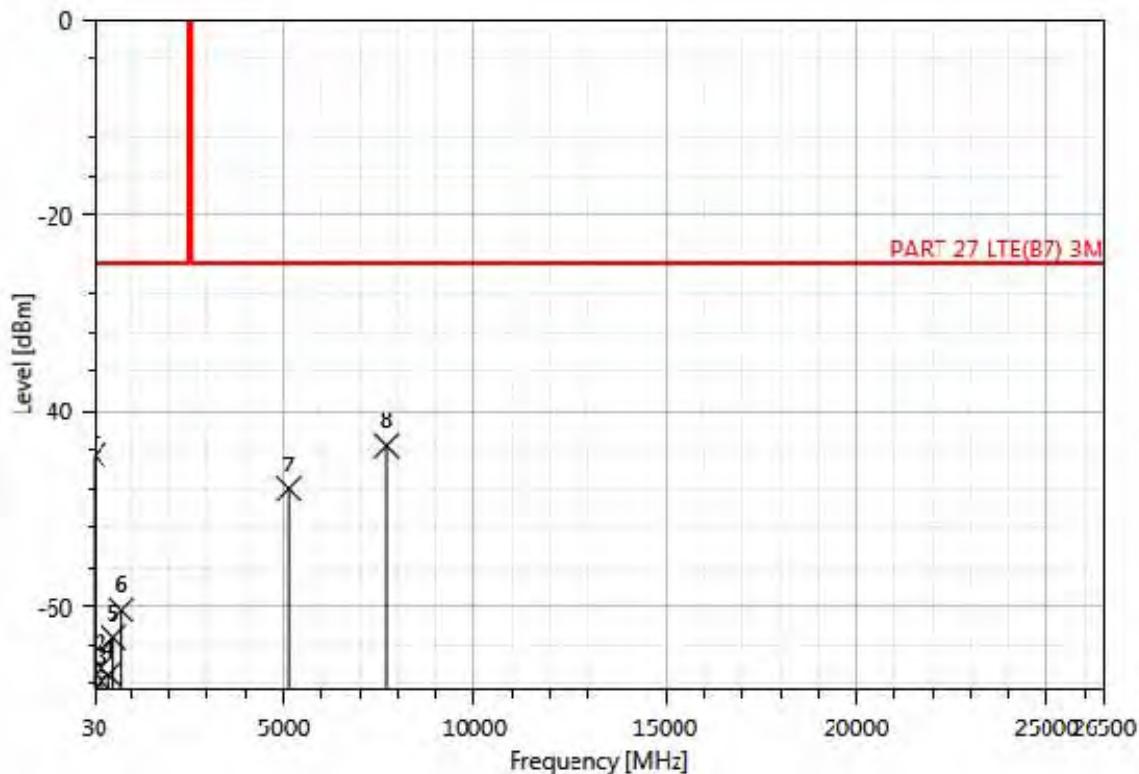
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							dBm	dB
30.00	S	Peak	-55.15	20.54	-12.63	-0.96	-25.00	-30.15
154.16	S	Peak	-71.22	1.28	0.25	-1.45	-25.00	-46.22
277.35	S	Peak	-70.49	-4.43	5.60	-1.86	-25.00	-45.49
364.65	S	Peak	-66.75	-0.82	6.00	-2.16	-25.00	-41.75
516.94	S	Peak	-65.80	0.76	5.91	-2.37	-25.00	-40.80
764.29	S	Peak	-61.21	6.53	5.38	-2.99	-25.00	-36.21
5070.00	H	Peak	-47.38	12.18	12.73	-7.86	-25.00	-22.38
7605.00	H	Peak	-41.04	20.05	11.02	-9.89	-25.00	-16.04

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Operation Mode : LTE B7      Test Date : 07/01/2016 23:41:17  
 Fundamental Frequency : 2565.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : VERTICAL



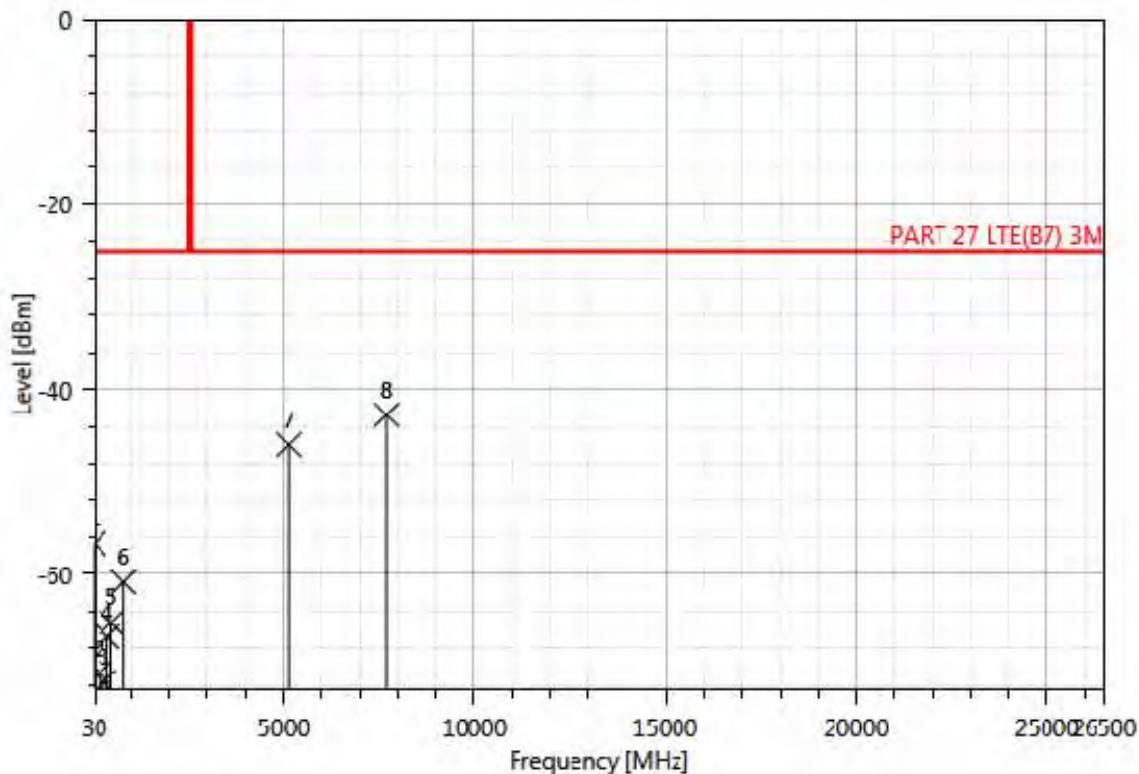
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-44.55	8.78	-12.63	-0.96	-25.00	-19.55
196.84	S	Peak	-66.33	-2.71	5.08	-1.62	-25.00	-41.33
239.52	S	Peak	-67.81	0.24	5.43	-1.74	-25.00	-42.81
408.30	S	Peak	-67.00	-0.29	5.94	-2.41	-25.00	-42.00
532.46	S	Peak	-63.28	3.48	5.83	-2.52	-25.00	-38.28
745.86	S	Peak	-60.40	7.54	5.32	-3.10	-25.00	-35.40
5130.00	H	Peak	-48.01	12.28	12.75	-7.92	-25.00	-23.01
7695.00	H	Peak	-43.60	20.98	11.04	-10.00	-25.00	-18.60

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Operation Mode : LTE B7      Test Date : 07/01/2016 23:41:18  
 Fundamental Frequency : 2565.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							30.00	175.50
30.00	S	Peak	-56.67	20.54	-12.63	-0.96	-25.00	-31.67
175.50	S	Peak	-70.68	-1.42	2.24	-1.54	-25.00	-45.68
279.29	S	Peak	-71.66	-4.21	5.58	-1.87	-25.00	-46.66
377.26	S	Peak	-66.77	-0.64	5.99	-2.24	-25.00	-41.77
476.20	S	Peak	-65.23	0.01	5.91	-2.23	-25.00	-40.23
798.24	S	Peak	-60.86	7.00	5.49	-2.90	-25.00	-35.86
5130.00	H	Peak	-45.96	12.41	12.75	-7.92	-25.00	-20.96
7695.00	H	Peak	-42.75	19.93	11.04	-10.00	-25.00	-17.75

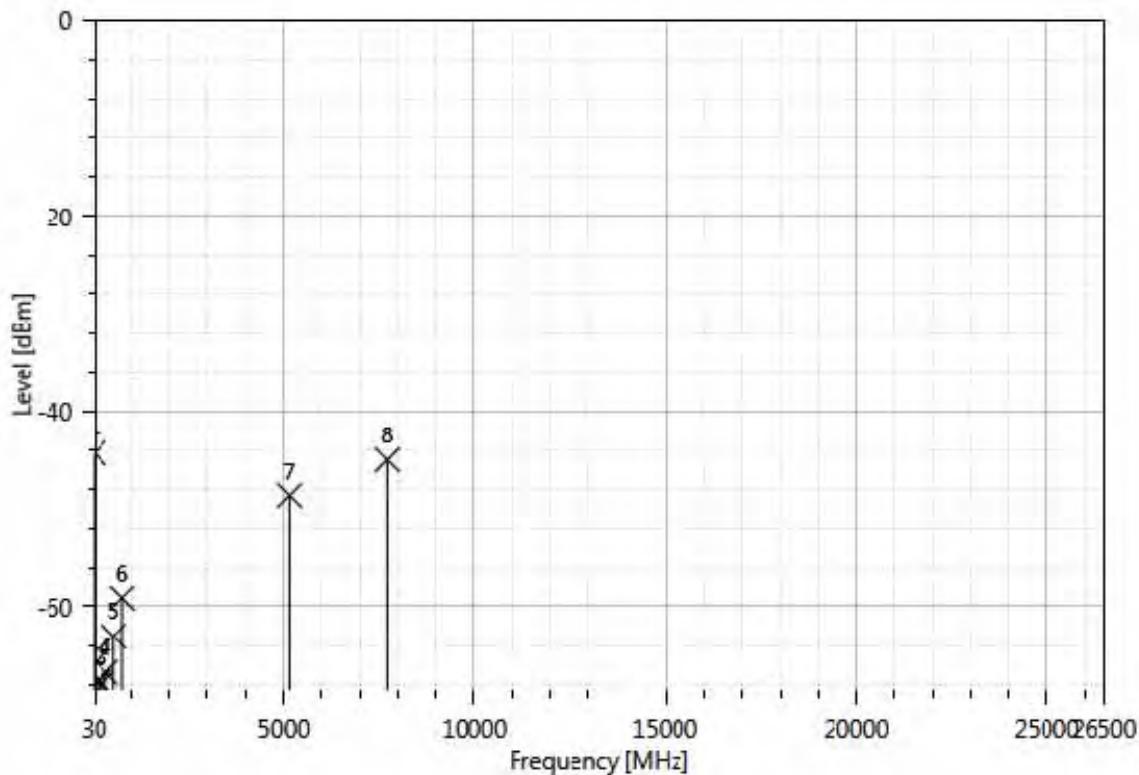
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## Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 38 QPSK RB 1 0 (The Worst Case)

Operation Mode :	LTE B38	Test Date :	07/01/2016 23:04:25
Fundamental Frequency :	2572.5 MHz	Temp. / Humi. :	22 deg_C / 61 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E1 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBi	Loss dB	dBm	dB
30.00	S	Peak	-44.25	8.78	-12.63	-0.96	-25.00	-19.25
167.74	S	Peak	-67.60	3.43	1.08	-1.51	-25.00	-42.60
241.46	S	Peak	-67.77	-0.07	5.46	-1.74	-25.00	-42.77
332.64	S	Peak	-66.66	-0.92	5.93	-1.91	-25.00	-41.66
539.25	S	Peak	-63.01	3.46	5.79	-2.59	-25.00	-38.01
762.35	S	Peak	-59.17	7.70	5.37	-3.00	-25.00	-34.17
5145.00	H	Peak	-48.68	12.15	12.76	-7.94	-25.00	-23.68
7717.50	H	Peak	-44.93	20.89	11.04	-10.00	-25.00	-19.93

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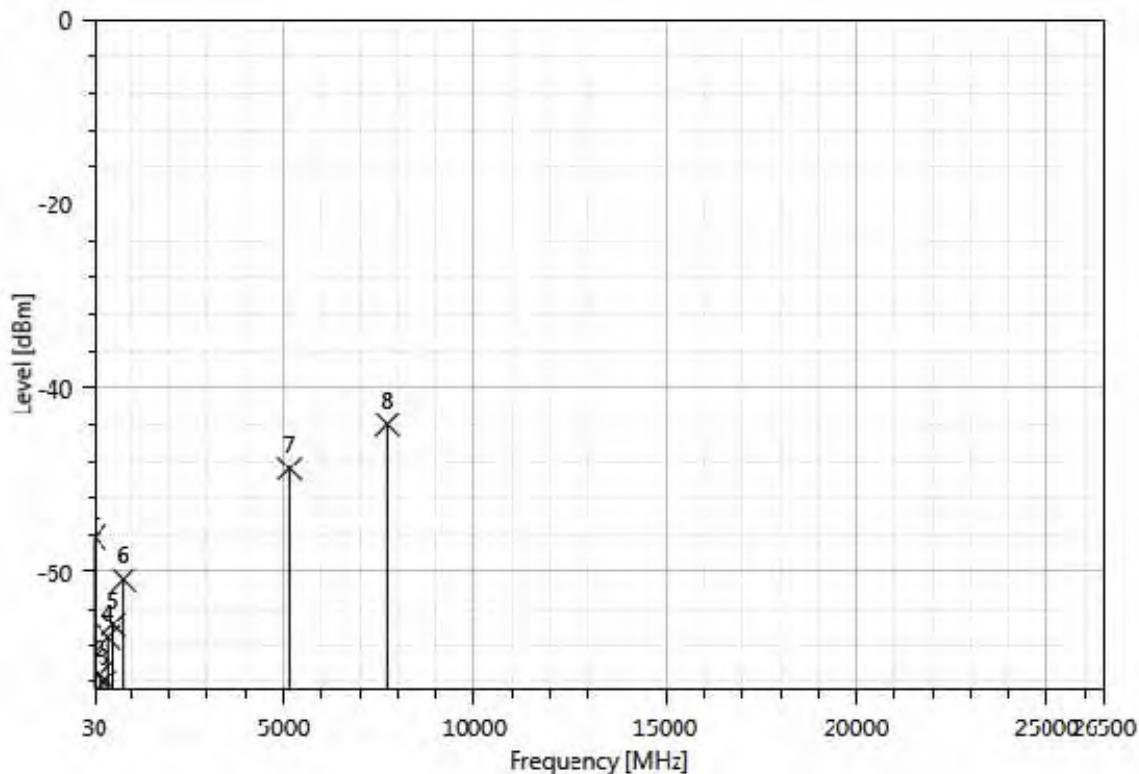
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Operation Mode : LTE B38      Test Date : 07/01/2016 23:04:26  
 Fundamental Frequency : 2572.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : HORIZONTAL



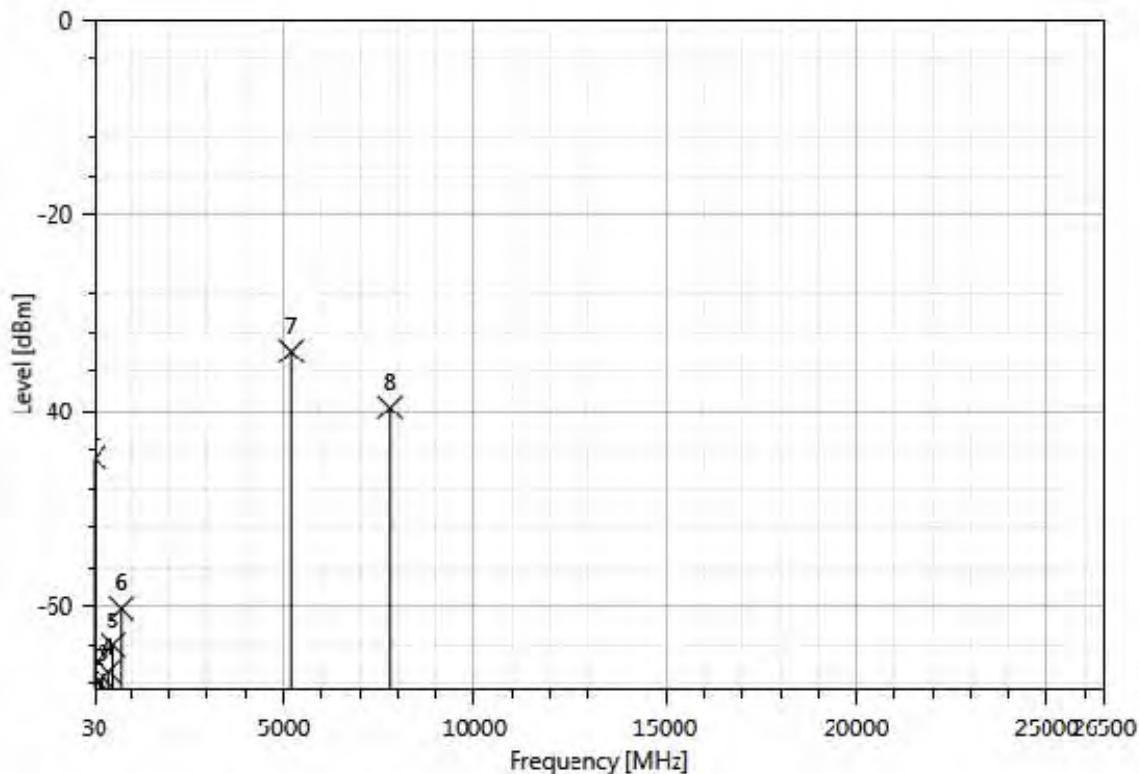
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBi	Loss dB	dBm	dB
30.00	S	Peak	-56.26	20.54	-12.63	-0.96	-25.00	-31.26
170.65	S	Peak	-71.10	-0.86	1.36	-1.52	-25.00	-46.10
284.14	S	Peak	-71.98	-4.08	5.58	-1.89	-25.00	-46.98
406.36	S	Peak	-67.15	-0.39	5.95	-2.42	-25.00	-42.15
524.70	S	Peak	-65.74	0.95	5.87	-2.44	-25.00	-40.74
799.21	S	Peak	-60.88	7.01	5.49	-2.90	-25.00	-35.88
5145.00	H	Peak	-48.78	12.19	12.76	-7.94	-25.00	-23.78
7717.50	H	Peak	-44.01	20.03	11.04	-10.00	-25.00	-19.01

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Operation Mode : LTE B38      Test Date : 07/01/2016 23:04:27  
 Fundamental Frequency : 2595.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : VERTICAL



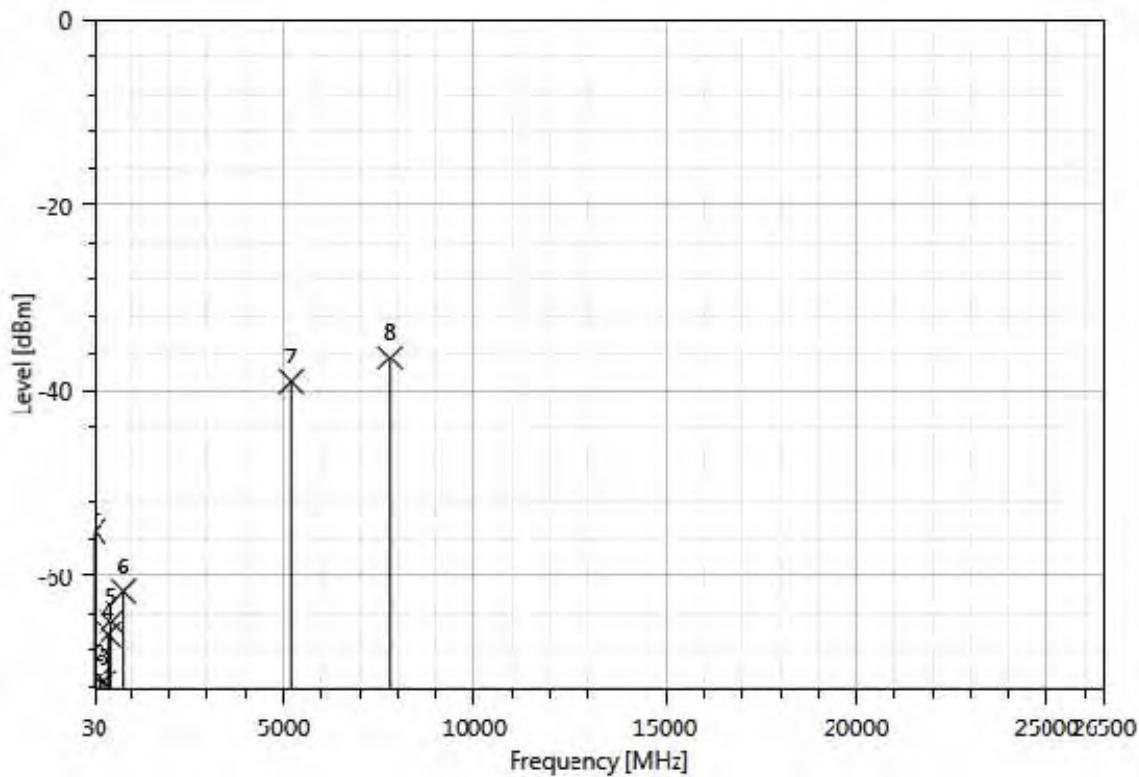
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBi	Loss dB	dBm	dB
30.00	S	Peak	-44.84	8.78	-12.63	-0.96	-25.00	-19.84
159.98	S	Peak	-67.83	4.16	0.51	-1.48	-25.00	-42.83
259.89	S	Peak	-67.38	-1.00	5.83	-1.77	-25.00	-42.38
408.30	S	Peak	-66.73	-0.29	5.94	-2.41	-25.00	-41.73
526.64	S	Peak	-64.04	3.44	5.86	-2.46	-25.00	-39.04
749.74	S	Peak	-60.26	8.13	5.33	-3.08	-25.00	-35.26
5190.00	H	Peak	-33.96	11.72	12.78	-7.95	-25.00	-8.96
7785.00	H	Peak	-39.71	21.30	11.06	-9.99	-25.00	-14.71

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Operation Mode : LTE B38      Test Date : 07/01/2016 23:04:28  
 Fundamental Frequency : 2595.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : HORIZONTAL



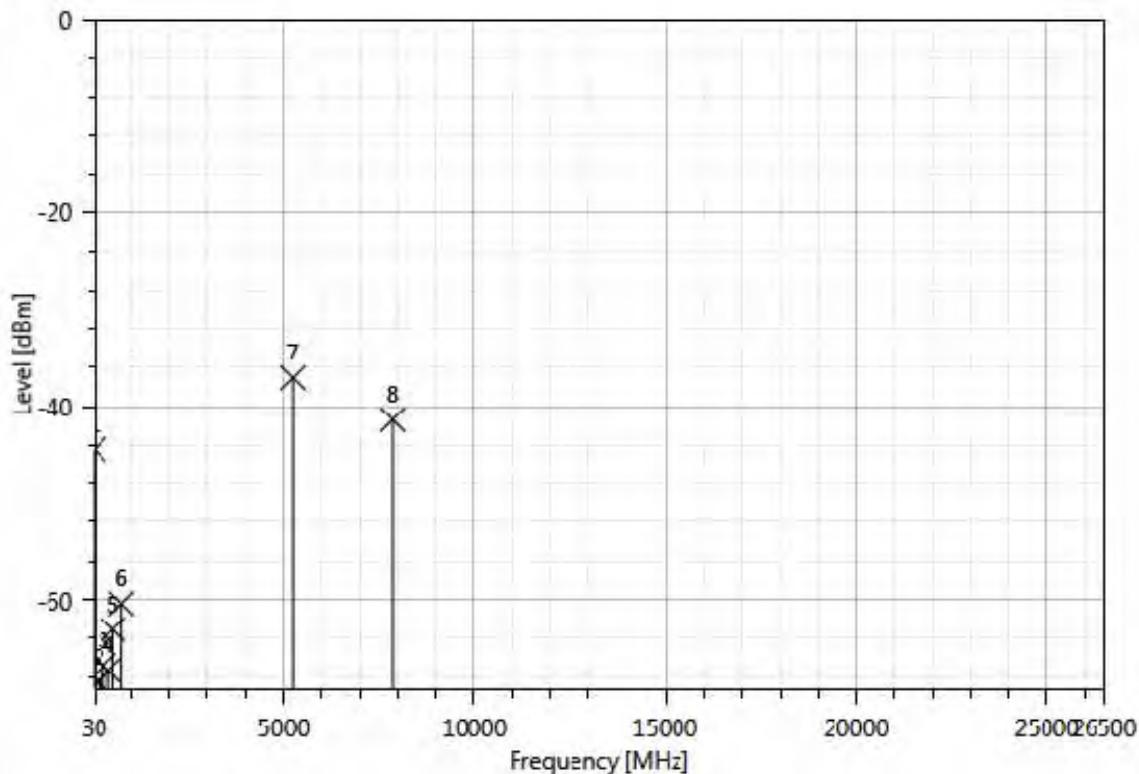
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							dBm	dB
30.00	S	Peak	-55.24	20.54	-12.63	-0.96	-25.00	-30.24
165.80	S	Peak	-71.06	0.42	0.94	-1.50	-25.00	-46.06
294.81	S	Peak	-71.47	-4.03	5.67	-1.94	-25.00	-46.47
415.09	S	Peak	-66.40	-0.32	5.92	-2.37	-25.00	-41.40
478.14	S	Peak	-64.94	0.00	5.92	-2.24	-25.00	-39.94
798.24	S	Peak	-61.69	7.00	5.49	-2.90	-25.00	-36.69
5190.00	H	Peak	-39.06	11.77	12.78	-7.95	-25.00	-14.06
7785.00	H	Peak	-36.49	20.43	11.06	-9.99	-25.00	-11.49

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Operation Mode : LTE B38      Test Date : 07/01/2016 23:04:29  
 Fundamental Frequency : 2617.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : VERTICAL



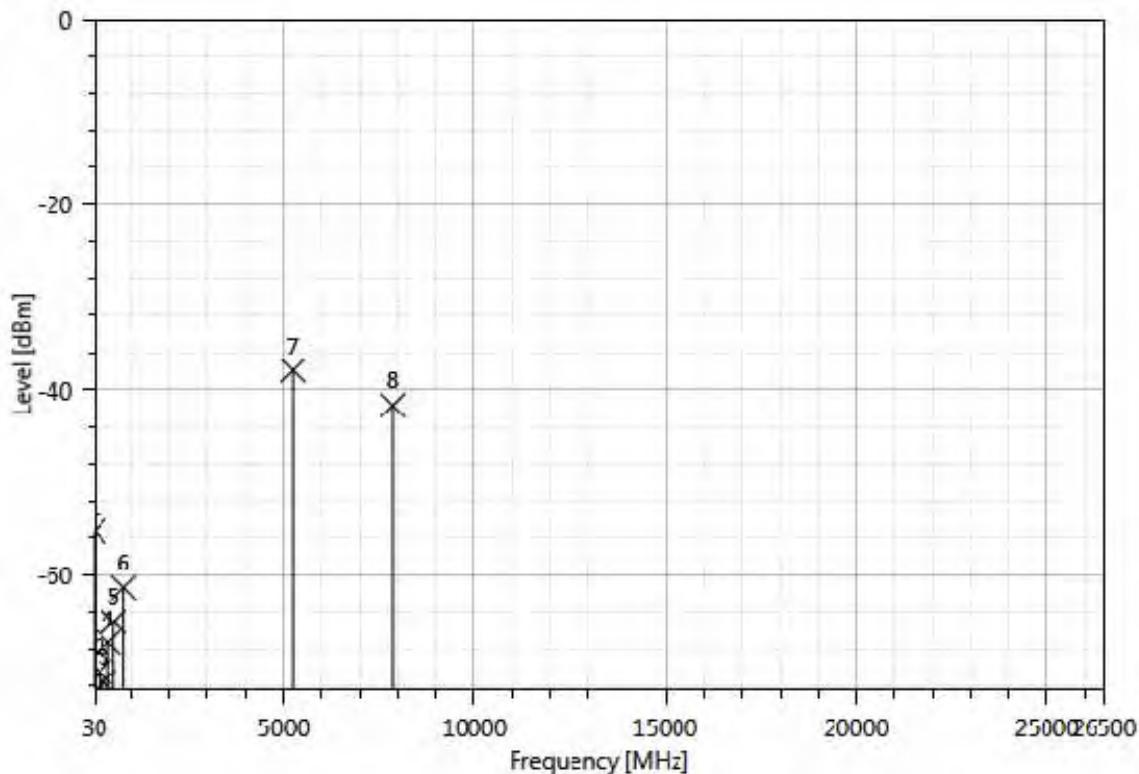
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBi	Loss dB	dBm	dB
30.00	S	Peak	-44.42	8.78	-12.63	-0.96	-25.00	-19.42
159.98	S	Peak	-68.52	4.16	0.51	-1.48	-25.00	-43.52
280.26	S	Peak	-66.78	-0.18	5.57	-1.88	-25.00	-41.78
403.45	S	Peak	-67.30	-0.48	5.96	-2.40	-25.00	-42.30
522.76	S	Peak	-63.07	3.00	5.88	-2.42	-25.00	-38.07
744.89	S	Peak	-60.41	7.49	5.32	-3.11	-25.00	-35.41
5235.00	H	Peak	-37.07	11.56	12.80	-8.00	-25.00	-12.07
7852.50	H	Peak	-41.38	21.48	11.07	-10.02	-25.00	-16.38

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Operation Mode : LTE B38      Test Date : 07/01/2016 23:04:30  
 Fundamental Frequency : 2617.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBi	Loss dB	dBm	dB
30.00	S	Peak	-55.30	20.54	-12.63	-0.96	-25.00	-30.30
167.74	S	Peak	-70.46	0.39	1.08	-1.51	-25.00	-45.46
280.26	S	Peak	-71.57	-4.08	5.57	-1.88	-25.00	-46.57
405.39	S	Peak	-67.32	-0.43	5.95	-2.41	-25.00	-42.32
542.16	S	Peak	-65.04	0.59	5.78	-2.62	-25.00	-40.04
799.21	S	Peak	-61.38	7.01	5.49	-2.90	-25.00	-36.38
5235.00	H	Peak	-37.92	11.62	12.80	-8.00	-25.00	-12.92
7852.50	H	Peak	-41.67	20.49	11.07	-10.02	-25.00	-16.67

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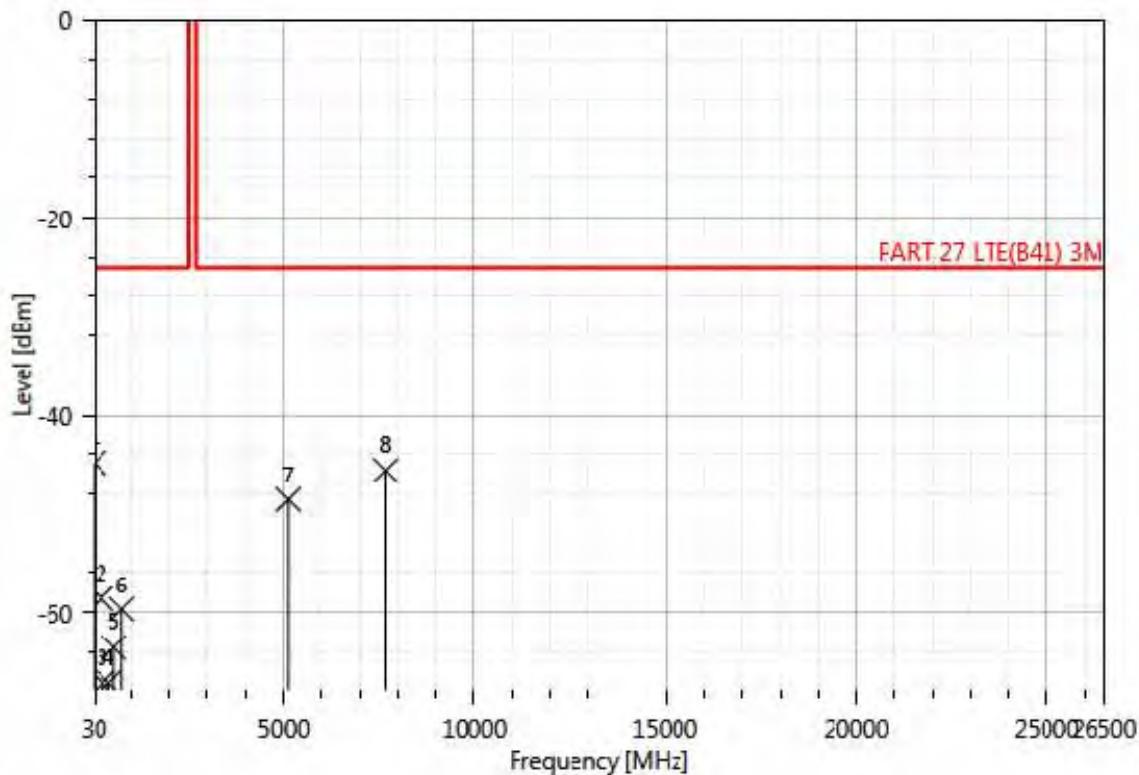
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## Radiated Spurious Emission Measurement Result: 5MHz BW LTE-Band 41 QPSK RB 1 0 (The Worst Case)

Operation Mode : LTE B41      Test Date : 07/01/2016 23:11:38  
 Fundamental Frequency : 2557.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
							Limit @3m dBm	Margin dB
30.00	S	Peak	-44.87	8.78	-12.63	-0.96	-25.00	-19.87
214.30	S	Peak	-58.60	-2.39	5.59	-1.68	-25.00	-33.60
240.49	S	Peak	-67.12	0.08	5.44	-1.74	-25.00	-42.12
416.06	S	Peak	-67.10	0.08	5.91	-2.36	-25.00	-42.10
547.01	S	Peak	-63.54	3.49	5.75	-2.67	-25.00	-38.54
750.71	S	Peak	-59.69	8.17	5.33	-3.07	-25.00	-34.69
5115.00	H	Peak	-48.57	12.41	12.75	-7.89	-25.00	-23.57
7672.50	H	Peak	-45.61	21.15	11.04	-9.94	-25.00	-20.61

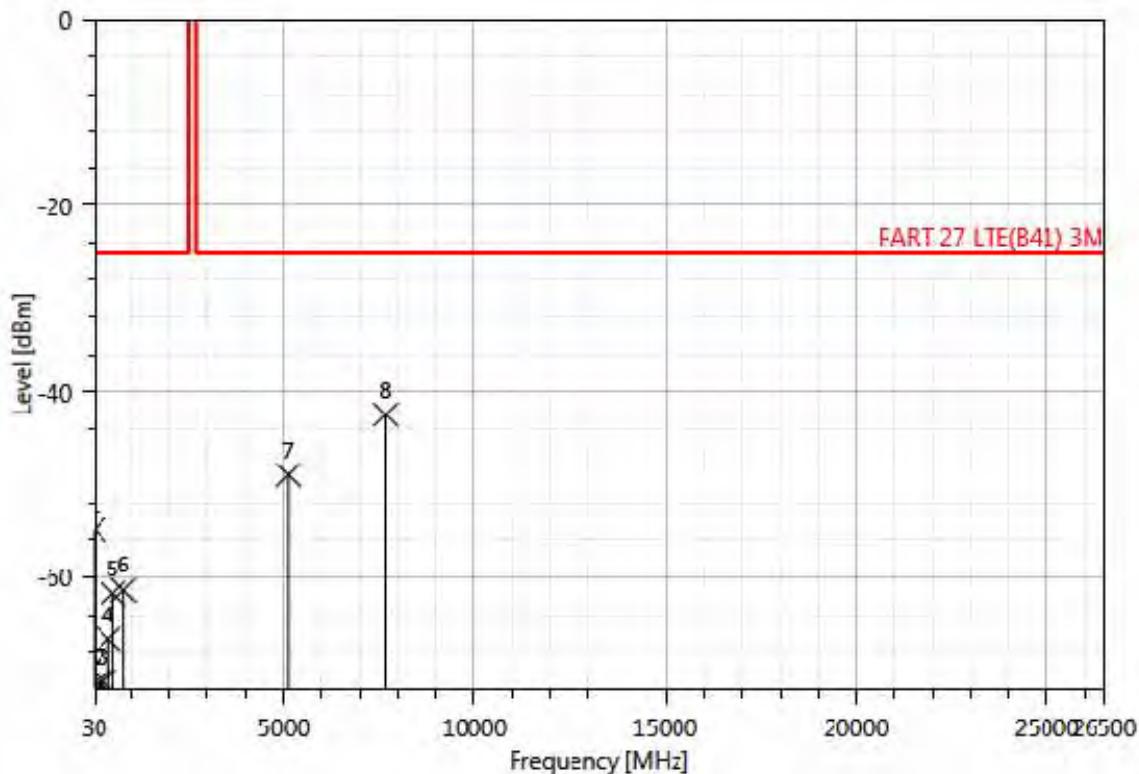
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Operation Mode : LTE B41      Test Date : 07/01/2016 23:11:39  
 Fundamental Frequency : 2557.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH LOW      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : HORIZONTAL



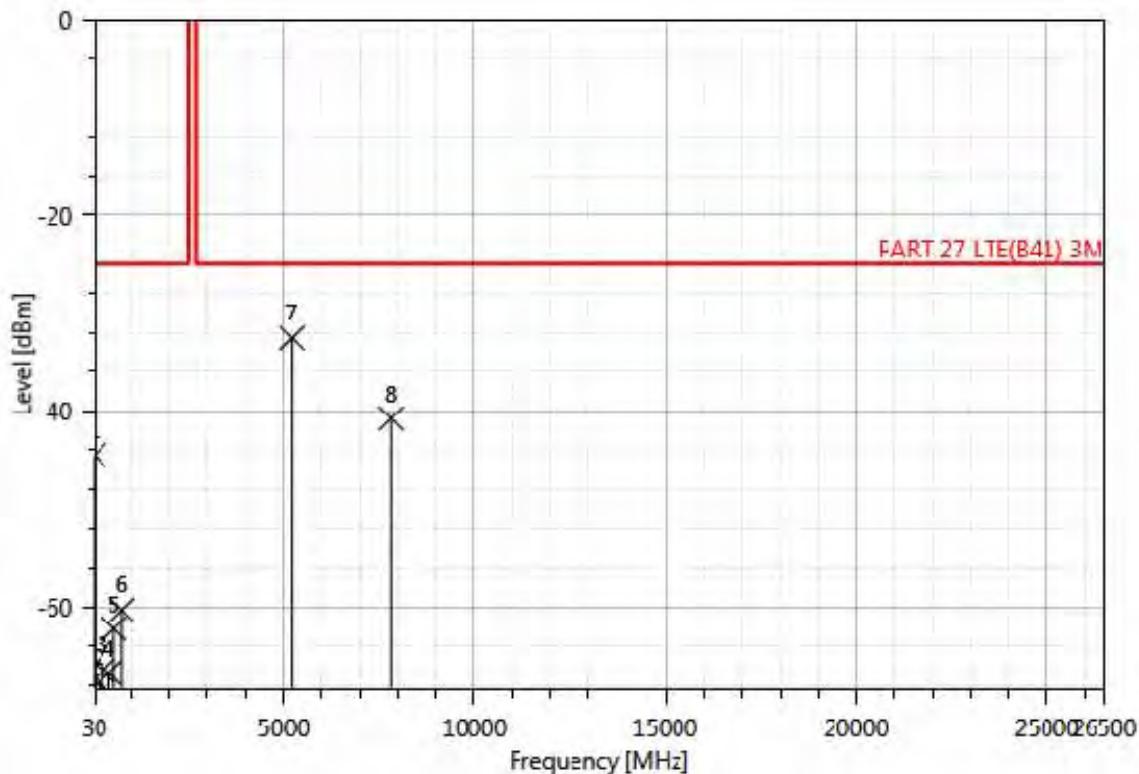
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							30.00	162.89
30.00	S	Peak	-54.88	20.54	-12.63	-0.96	-25.00	-29.88
162.89	S	Peak	-71.26	-0.15	0.73	-1.49	-25.00	-46.26
275.41	S	Peak	-71.21	-4.53	5.61	-1.85	-25.00	-46.21
406.36	S	Peak	-66.66	-0.39	5.95	-2.42	-25.00	-41.66
519.85	S	Peak	-61.72	1.18	5.90	-2.39	-25.00	-36.72
794.36	S	Peak	-61.38	6.79	5.47	-2.90	-25.00	-36.38
5115.00	H	Peak	-48.98	12.64	12.75	-7.89	-25.00	-23.98
7672.50	H	Peak	-42.48	20.11	11.04	-9.94	-25.00	-17.48

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Operation Mode : LTE B41      Test Date : 07/01/2016 23:11:40  
 Fundamental Frequency : 2605.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : VERTICAL



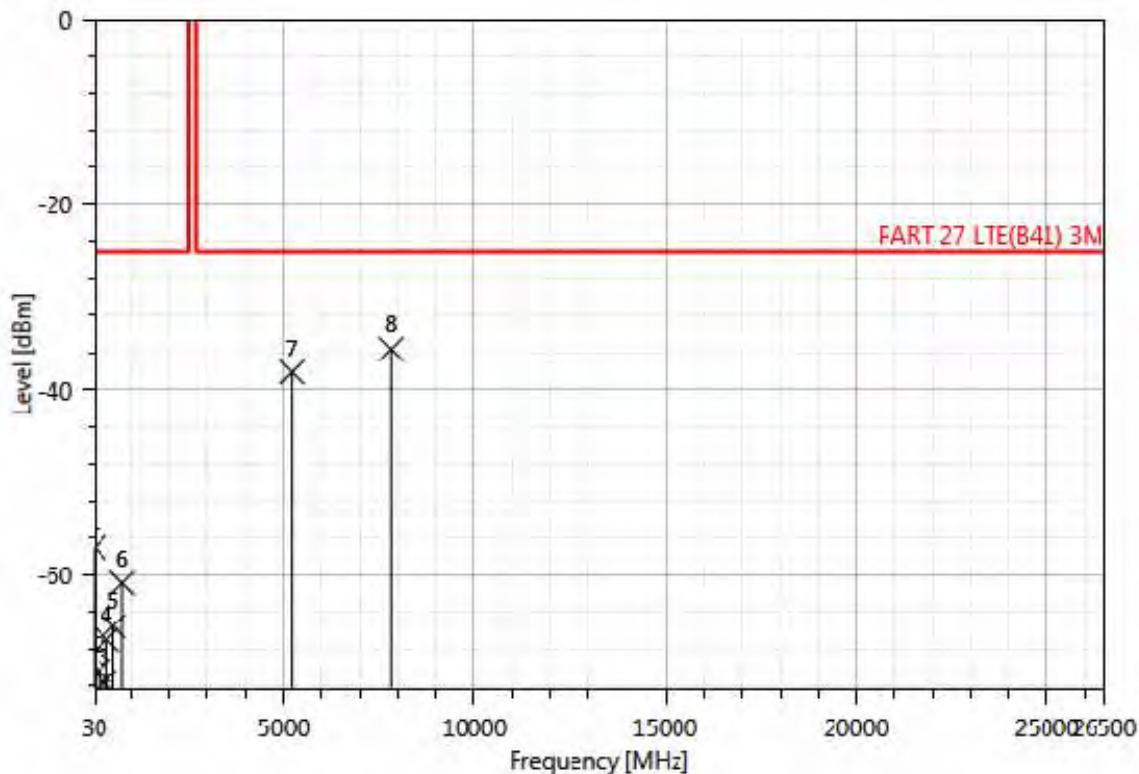
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							30.00	160.95
30.00	S	Peak	-44.48	8.78	-12.63	-0.96	-25.00	-19.48
160.95	S	Peak	-67.70	3.78	0.58	-1.48	-25.00	-42.70
243.40	S	Peak	-66.54	-0.01	5.49	-1.75	-25.00	-41.54
419.94	S	Peak	-66.75	0.21	5.90	-2.33	-25.00	-41.75
548.95	S	Peak	-62.24	3.49	5.74	-2.69	-25.00	-37.24
755.56	S	Peak	-60.35	8.11	5.35	-3.04	-25.00	-35.35
5210.00	H	Peak	-32.52	11.70	12.79	-7.98	-25.00	-7.52
7815.00	H	Peak	-40.75	21.47	11.06	-10.08	-25.00	-15.75

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Operation Mode : LTE B41      Test Date : 07/01/2016 23:11:41  
 Fundamental Frequency : 2605.0 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH MID      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : HORIZONTAL



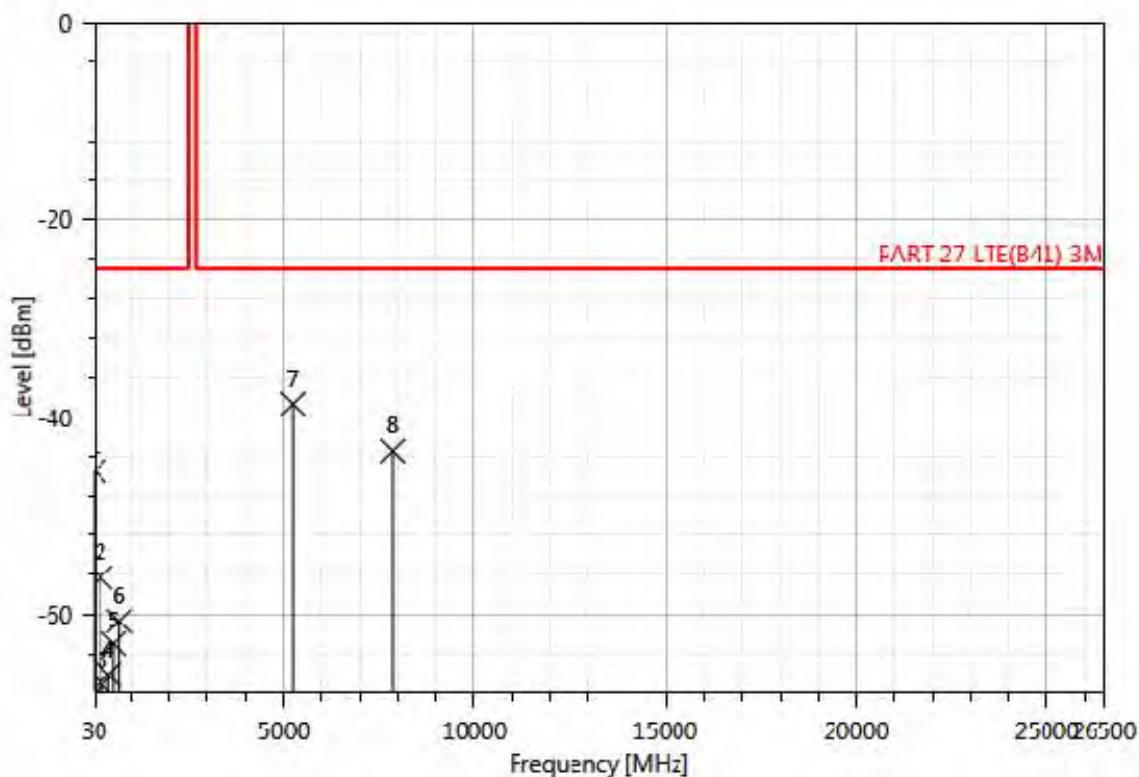
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m	Margin
							30.00	148.34
30.00	S	Peak	-57.03	20.54	-12.63	-0.96	-25.00	-32.03
148.34	S	Peak	-70.34	1.28	-0.04	-1.42	-25.00	-45.34
288.99	S	Peak	-71.59	-3.98	5.58	-1.92	-25.00	-46.59
362.71	S	Peak	-67.02	-0.86	6.00	-2.15	-25.00	-42.02
526.64	S	Peak	-65.56	1.04	5.86	-2.46	-25.00	-40.56
765.26	S	Peak	-60.93	6.54	5.38	-2.98	-25.00	-35.93
5210.00	H	Peak	-38.13	11.73	12.79	-7.98	-25.00	-13.13
7815.00	H	Peak	-35.60	20.46	11.06	-10.08	-25.00	-10.60

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Operation Mode : LTE B41      Test Date : 07/01/2016 23:11:42  
 Fundamental Frequency : 2652.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : VERTICAL



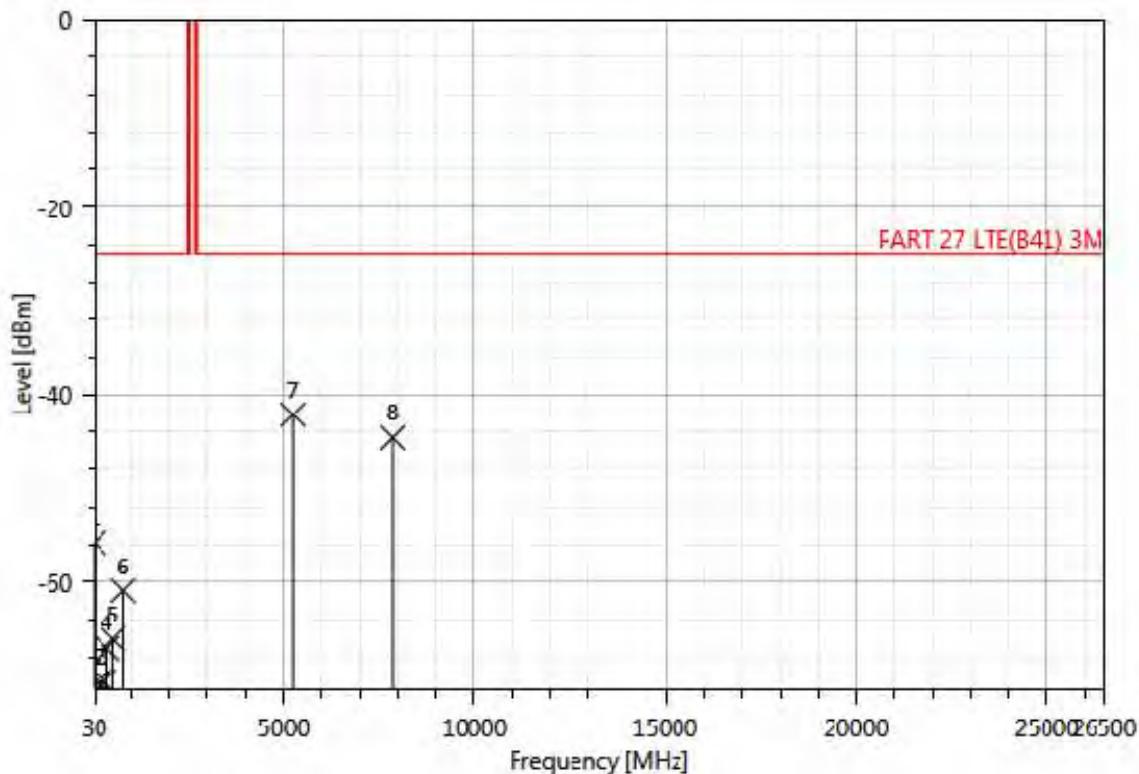
Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBi	Loss dB	dBm	dB
30.00	S	Peak	-45.47	8.78	-12.63	-0.96	-25.00	-20.47
194.90	S	Peak	-56.27	-2.49	4.98	-1.62	-25.00	-31.27
246.31	S	Peak	-67.18	-0.33	5.53	-1.75	-25.00	-42.18
410.24	S	Peak	-66.10	-0.10	5.93	-2.40	-25.00	-41.10
547.01	S	Peak	-63.00	3.49	5.75	-2.67	-25.00	-38.00
689.60	S	Peak	-60.69	7.26	5.24	-2.79	-25.00	-35.69
5235.00	H	Peak	-38.65	11.56	12.80	-8.00	-25.00	-13.65
7852.50	H	Peak	-43.42	21.48	11.07	-10.02	-25.00	-18.42

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Operation Mode : LTE B41      Test Date : 07/01/2016 23:11:43  
 Fundamental Frequency : 2652.5 MHz      Temp. / Humi. : 22 deg\_C / 61 RH  
 Operation Band : Tx CH HIGH      Test Engineer : Tin  
 EUT Pol. : E1 Plane      Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP	SG Output	Antenna	Cable	Limit @3m	Margin
			Level dBm	Level dBm	Gain dBi	Loss dB	dBm	dB
30.00	S	Peak	-55.80	20.54	-12.63	-0.96	-25.00	-30.80
154.16	S	Peak	-70.64	1.28	0.25	-1.45	-25.00	-45.64
284.14	S	Peak	-70.59	-4.08	5.58	-1.89	-25.00	-45.59
369.50	S	Peak	-67.05	-0.78	6.00	-2.20	-25.00	-42.05
519.85	S	Peak	-66.04	1.18	5.90	-2.39	-25.00	-41.04
789.51	S	Peak	-60.90	6.60	5.46	-2.90	-25.00	-35.90
5235.00	H	Peak	-42.12	11.62	12.80	-8.00	-25.00	-17.12
7852.50	H	Peak	-44.57	20.49	11.07	-10.02	-25.00	-19.57

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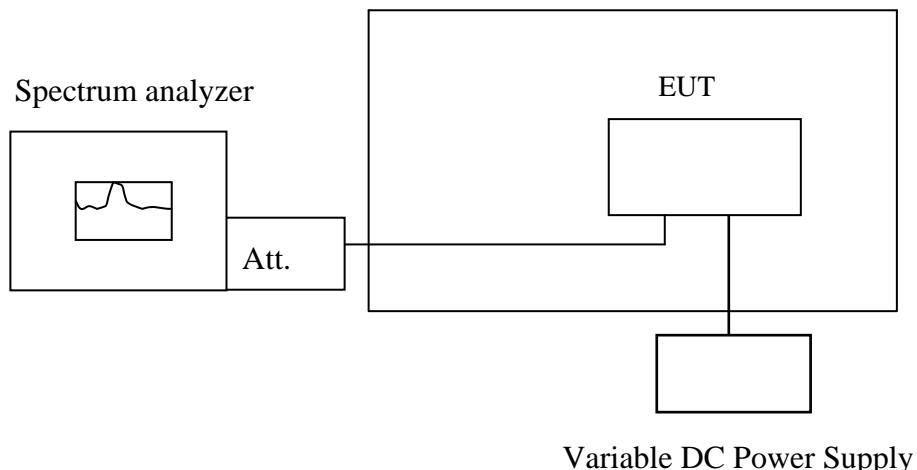
## 11. FREQUENCY STABILITY MEASUREMENT

### 11.1. Standard Applicable:

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

### 11.2. Test Set-up:

Temperature Chamber



**Note:** Measurement setup for testing on Antenna connector

### 11.3. Measurement Procedure:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Set chamber temperature to 25 . Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint as declared by the manufacturer, record the maximum frequency change.

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#### 11.4. Measurement Equipment Used:

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power Meter	Anritsu	ML2495A	1005007	12/09/2015	12/08/2016
Power Sensor	Anritsu	MA2411B	917032	12/09/2015	12/08/2016
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	02/26/2016	02/25/2017
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2016	01/01/2017
Coaxial Cable	HUBER+SUHNE R	SUCOFLEX 102	23670/2	01/02/2016	01/01/2017
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2016	01/01/2017
Splitter	Agilent	11636B	N/A	01/02/2016	01/01/2017
DC Power Supply	Agilent	E3640A	MY52410006	11/05/2015	11/04/2016
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2016	05/16/2017
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	09/25/2015	09/24/2016
Radio Communication Analyer	Anritsu	MT8820C	6201465317	12/10/2015	12/09/2016

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## 11.5. Measurement Result:

### FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: GPRS 850 Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
4.14	20	836600001	0	2091
3.60	20	836600001	0	2091
3.16	20	836599998	-3	2091
3.16 (End point)	25	836600005	4	2091

### FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: GPRS 850 Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
3.6	50	836599998	-3	2091
3.6	40	836599996	-5	2091
3.6	30	836599994	-7	2091
3.6	20	836600001	0	2091
3.6	10	836599999	-2	2091
3.6	0	836600005	4	2091
3.6	-10	836600000	-1	2091
3.6	-20	836599999	-2	2091
3.6	-30	836599999	-2	2091

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## FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: GPRS 1900 Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
4.14	20	1880000002	-1	4700
3.60	20	1880000003	0	4700
3.16	20	1880000001	-2	4700
3.16 (End point)	25	1880000009	6	4700

## FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: GPRS 1900 Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
3.6	50	1880000002	-1	4700
3.6	40	1880000004	1	4700
3.6	30	1880000000	-3	4700
3.6	20	1880000003	0	4700
3.6	10	1880000002	-1	4700
3.6	0	1880000005	2	4700
3.6	-10	1880000007	4	4700
3.6	-20	1880000008	5	4700
3.6	-30	1880000006	3	4700

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## FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: WCDMA II Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
4.14	20	1880000006	-2	4700
3.60	20	1880000008	0	4700
3.16	20	1880000004	-4	4700
3.16 (End point)	20	1880000006	-2	4700

## FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: WCDMA II Mid Channel 1880				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
3.6	50	1880000008	0	4700
3.6	40	1880000005	-3	4700
3.6	30	1880000007	-1	4700
3.6	20	1880000008	0	4700
3.6	10	1880000005	-3	4700
3.6	0	1880000004	-4	4700
3.6	-10	1880000008	0	4700
3.6	-20	1880000002	-6	4700
3.6	-30	1880000007	-1	4700

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**FREQUENCY ERROR vs. VOLTAGE**

Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
4.14	20	836600005	1	2091
3.60	20	836600004	0	2091
3.16	20	836600005	1	2091
3.16 (End Point)	20	836600002	-2	2091

**FREQUENCY ERROR vs. TEMPERATURE**

Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
3.6	50	836600004	0	2091
3.6	40	836600005	1	2091
3.6	30	836600007	3	2091
3.6	20	836600004	0	2091
3.6	10	836600004	0	2091
3.6	0	836600005	1	2091
3.6	-10	836600006	2	2091
3.6	-20	836600002	-2	2091
3.6	-30	836600003	-1	2091

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**FREQUENCY ERROR vs. VOLTAGE**

Reference Frequency:		LTE B2 Mid Channel	1880	MHz	10M QPSK CH 18900
Power Supply	Environment	Frequency	Delta (Hz)	Limit: +/- 2.5 ppm	
		(MHz)		Limit (Hz)	
Vdc	Temperature ( )				
4.14	25	1880.000005	6.60	4700	
3.60	25	1879.999998	0.00	4700	
3.16	25	1880.000003	4.30	4700	
3.16 (End Point)	25	1880.000006	7.30	4700	

**FREQUENCY ERROR vs. TEMPERATURE**

Reference Frequency:		LTE B2 Mid Channel	1880	MHz	10M QPSK CH 18900
Power Supply	Environment	Frequency	Delta (Hz)	Limit: +/- 2.5 ppm	
		(MHz)		Limit (Hz)	
Vdc	Temperature ( )				
3.6	-30	1880.000001	0.20	4700	
3.6	-20	1880.000003	2.60	4700	
3.6	-10	1879.999999	-2.10	4700	
3.6	0	1879.999996	-4.40	4700	
3.6	10	1880.000000	-0.40	4700	
3.6	20	1880.000001	0.00	4700	
3.6	30	1880.000003	2.20	4700	
3.6	40	1879.999999	-1.90	4700	
3.6	50	1880.000003	1.80	4700	

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**FREQUENCY ERROR vs. VOLTAGE**

Reference Frequency: LTE B5 Mid Channel			836.5	MHz 10M QPSK CH 20525
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
4.14	25	836.499995	-6.90	2091
3.60	25	836.500002	0.00	2091
3.16	25	836.500000	-1.20	2091
3.16 (End Point)	25	836.500003	1.70	2091

**FREQUENCY ERROR vs. TEMPERATURE**

Reference Frequency: LTE B5 Mid Channel			836.5	MHz 10M QPSK CH 20525
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
3.6	-30	836.500004	5.70	2091
3.6	-20	836.500000	1.70	2091
3.6	-10	836.499998	-0.70	2091
3.6	0	836.499998	-1.20	2091
3.6	10	836.500000	0.90	2091
3.6	20	836.499999	0.00	2091
3.6	30	836.500002	3.70	2091
3.6	40	836.500005	6.40	2091
3.6	50	836.500000	1.60	2091

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**FREQUENCY ERROR vs. VOLTAGE**

Reference Frequency: LTE B7 Mid Channel			2535.0	MHz 10M QPSK CH 21100
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
4.14	25	2535.000002	2.40	6338
3.60	25	2535.000000	0.00	6338
3.16	25	2535.000005	5.00	6338
3.16 (End Point)	25	2535.000002	2.80	6338

**FREQUENCY ERROR vs. TEMPERATURE**

Reference Frequency: LTE B7 Mid Channel			2535.0	MHz 10M QPSK CH 21100
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
3.6	-30	2534.999998	-3.00	6338
3.6	-20	2534.999998	-3.10	6338
3.6	-10	2535.000003	1.80	6338
3.6	0	2535.000002	1.10	6338
3.6	10	2534.999999	-2.10	6338
3.6	20	2535.000001	0.00	6338
3.6	30	2535.000007	6.60	6338
3.6	40	2534.999998	-3.00	6338
3.6	50	2534.999998	-2.90	6338

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**FREQUENCY ERROR vs. VOLTAGE**

Reference Frequency: LTE B38 Mid Channel			2595.0	MHz 10M QPSK CH
			38000	
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
		(MHz)		
4.14	25	2595.000002	-2.40	6488
3.60	25	2595.000004	0.00	6488
3.16	25	2595.000004	-0.60	6488
3.16 (End Point)	25	2595.000002	-2.90	6488

**FREQUENCY ERROR vs. TEMPERATURE**

Reference Frequency: LTE B38 Mid Channel			2595.0	MHz 10M QPSK CH
			38000	
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
		(MHz)		
3.6	-30	2594.999996	-4.20	6488
3.6	-20	2595.000004	4.10	6488
3.6	-10	2595.000004	3.80	6488
3.6	0	2595.000006	6.10	6488
3.6	10	2595.000002	2.10	6488
3.6	20	2595.000000	0.00	6488
3.6	30	2595.000005	4.50	6488
3.6	40	2595.000004	3.50	6488
3.6	50	2595.000006	6.20	6488

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**FREQUENCY ERROR vs. VOLTAGE**

Reference Frequency: LTE B41 Mid Channel			2605.0	MHz 10M QPSK CH
			40740	
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
4.14	25	2604.999998	-8.00	6513
3.60	25	2605.000006	0.00	6513
3.16	25	2605.000004	-1.70	6513
3.16 (End Point)	25	2605.000004	-1.40	6513

**FREQUENCY ERROR vs. TEMPERATURE**

Reference Frequency: LTE B41 Mid Channel			710.0	MHz 10M QPSK CH
			40740	
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ( )	(MHz)		
3.6	-30	2605.000000	-4.20	6513
3.6	-20	2605.000007	2.70	6513
3.6	-10	2605.000003	-0.90	6513
3.6	0	2605.000001	-3.30	6513
3.6	10	2605.000002	-2.80	6513
3.6	20	2605.000004	0.00	6513
3.6	30	2605.000004	-0.40	6513
3.6	40	2605.000004	0.00	6513
3.6	50	2605.000000	-4.20	6513

**Note: The battery is rated 3.6V dc.**

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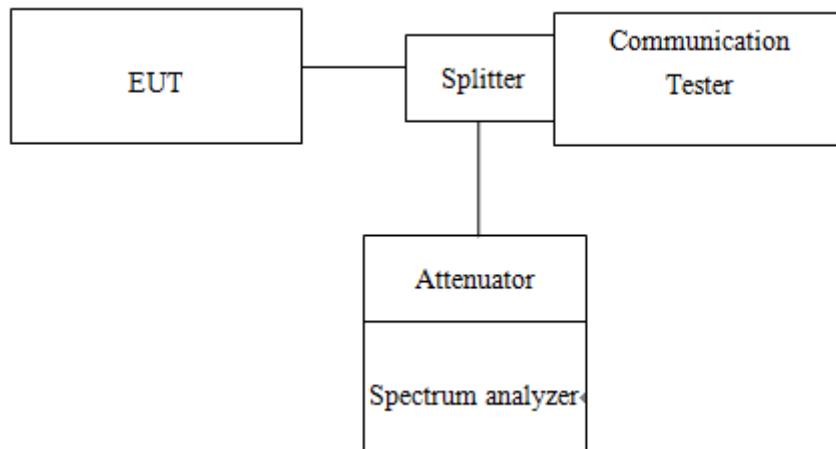
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## 12. PEAK TO AVERAGE RATIO

### 12.1. Standard Applicable

The peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

### 12.2. Test SET-UP



### 12.3. Measurement Procedure

1. KDB 971168 D01 is employed as the following procedure is proper adjusted accordingly:
2. Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth; & internal =1ms
3. Set the number of counts to a value that stabilizes the measured CCDF curve.

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## 12.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power Meter	Anritsu	ML2495A	1005007	12/09/2015	12/08/2016
Power Sensor	Anritsu	MA2411B	917032	12/09/2015	12/08/2016
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	02/26/2016	02/25/2017
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2016	01/01/2017
Coaxial Cable	HUBER+SUHNE R	SUCOFLEX 102	23670/2	01/02/2016	01/01/2017
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2016	01/01/2017
Splitter	Agilent	11636B	N/A	01/02/2016	01/01/2017
DC Power Supply	Agilent	E3640A	MY52410006	11/05/2015	11/04/2016
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2016	05/16/2017
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	09/25/2015	09/24/2016
Radio Communication Analyzer	Anritsu	MT8820C	6201465317	12/10/2015	12/09/2016

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## 12.5. Measurement Result

### Tabular Results:

Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		
		GSM	GPRS	EDGE
1850.20	9296	8.36	<b>10.14</b>	12.60
1880.00	9400	<b>9.66</b>	9.03	11.95
1909.80	9538	9.47	9.61	<b>12.71</b>

Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA II	HSDPA II	HSUPA II
1852.4	1312	2.72	3.50	3.63
1880.0	1413	<b>2.97</b>	<b>3.82</b>	<b>3.85</b>
1907.6	1513	2.83	3.64	3.80

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LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		Frequency (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
1850.7	18607	5.96	13	1851.5	18615	5.95	13
1880.0	18900	<b>6.40</b>	13	1880.0	18900	<b>6.47</b>	13
1909.3	19193	6.04	13	1908.5	19185	5.98	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		Frequency (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
1852.5	18625	6.17	13	1855.0	18650	6.24	13
1880.0	18900	<b>6.63</b>	13	1880.0	18900	<b>6.53</b>	13
1907.5	19175	6.18	13	1905.0	19150	6.19	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		Frequency (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
1857.5	18675	6.75	13	1860.0	18700	7.12	13
1880.0	18900	<b>6.80</b>	13	1880.0	18900	<b>7.18</b>	13
1902.5	19125	6.59	13	1900.0	19100	7.14	13

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LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		Frequency (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
2502.5	20775	6.03	13	2505.0	20800	6.17	13
2535.0	21100	6.23	13	2535.0	21100	6.18	13
2567.5	21425	<b>6.24</b>	13	2565.0	21400	<b>6.24</b>	13

LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		Frequency (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
2507.5	20425	6.57	13	2510.0	20850	6.95	13
2535.0	20525	<b>6.63</b>	13	2535.0	21100	6.91	13
2562.5	20625	6.61	13	2560.0	21350	<b>7.07</b>	13

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LTE BAND 38							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		Frequency (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
2572.5	37775	8.38	13	2575.0	37800	8.07	13
2595.0	38000	7.02	13	2595.0	38000	10.53	13
2617.5	38225	<b>8.79</b>	13	2615.0	38200	<b>11.32</b>	13

LTE BAND 38							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		Frequency (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
2577.5	37825	8.23	13	2580.0	37850	9.55	13
2595.0	38000	<b>8.77</b>	13	2595.0	38000	<b>10.90</b>	13
2612.5	38175	8.17	13	2610.0	38150	9.42	13

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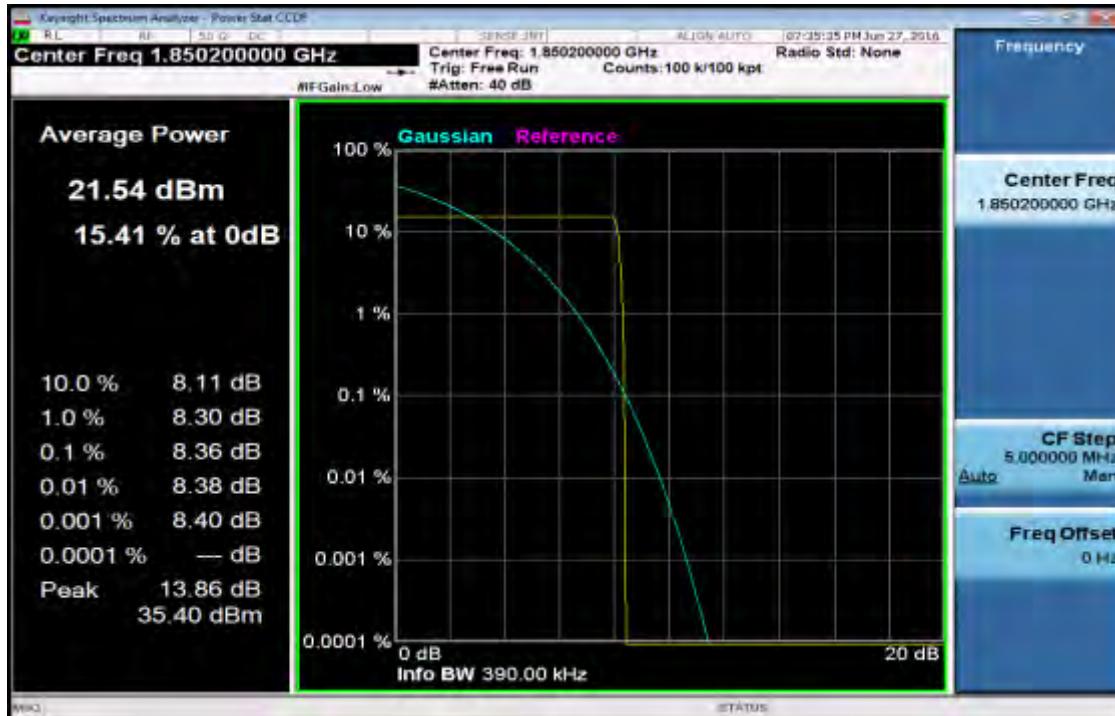
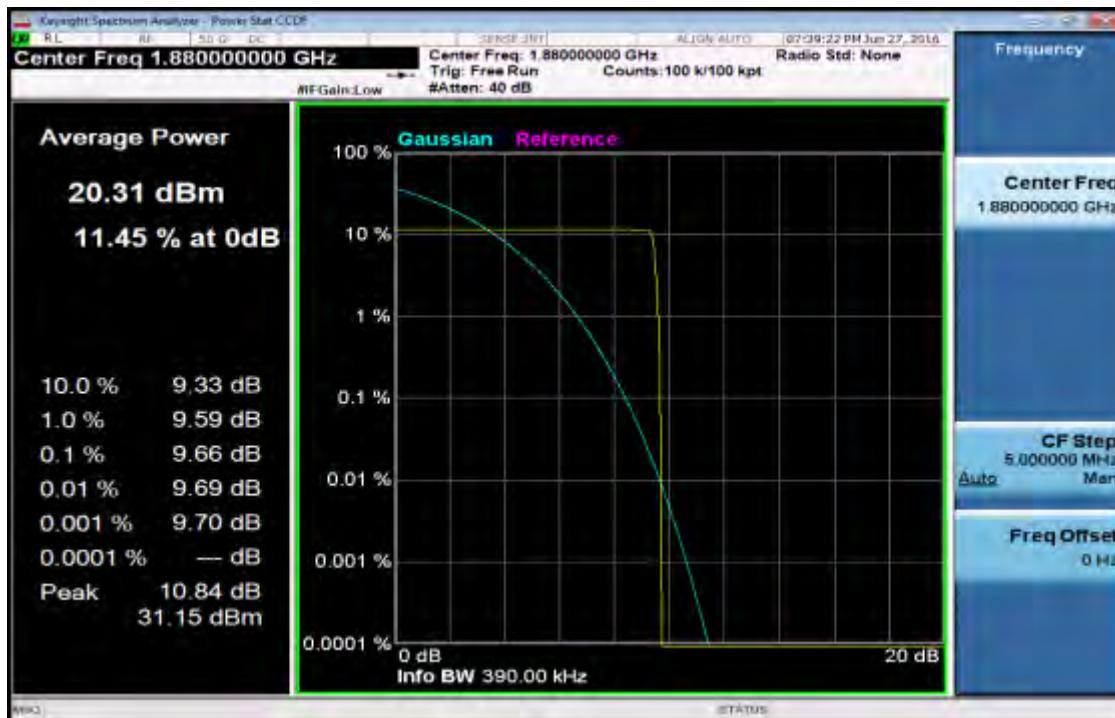
LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		Frequency (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
2557.5	40265	8.20	13	2560.0	40290	8.57	13
2605.0	40740	<b>8.77</b>	13	2605.0	40740	7.14	13
2652.5	41215	8.37	13	2650.0	41190	<b>9.27</b>	13

LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Frequency (MHz)	CH	Peak-to-Average Ratio (dB)		Frequency (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
2562.5	40315	7.57	13	2565.0	40340	8.26	13
2605.0	40740	<b>8.63</b>	13	2605.0	40740	<b>9.71</b>	13
2647.5	41165	7.41	13	2645.0	41140	9.58	13

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**Measurement Results:****GSM 1900 Channel Low****GSM 1900 Channel Mid**

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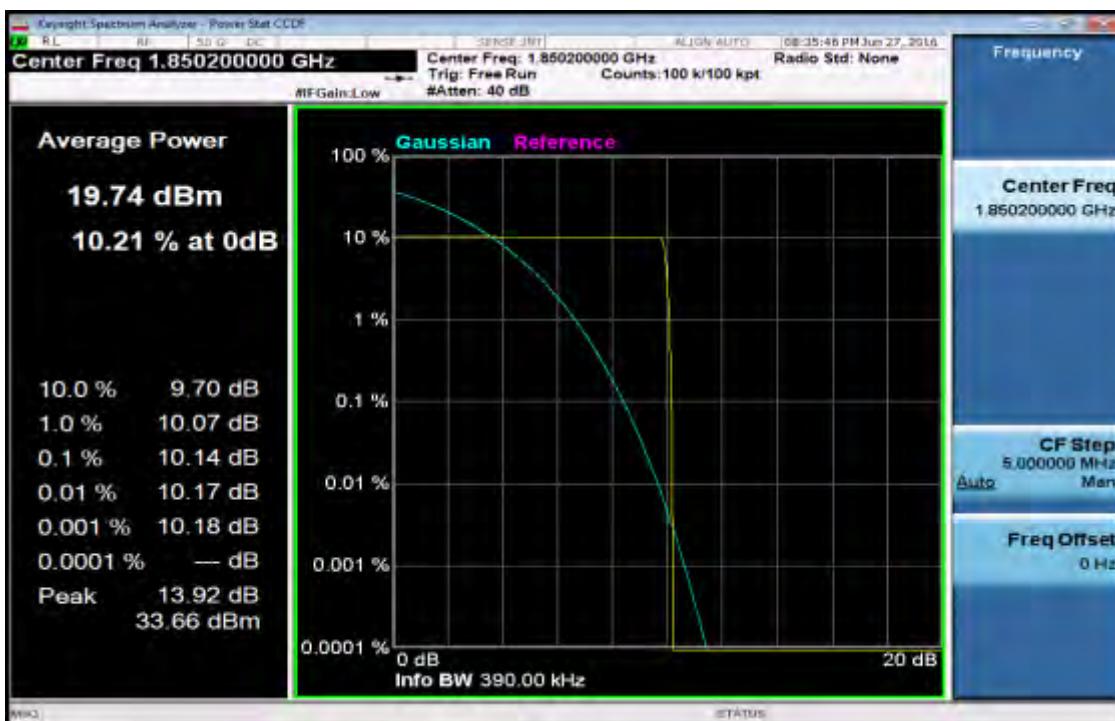
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### GSM 1900 Channel High



### GPRS 1900 Channel Low



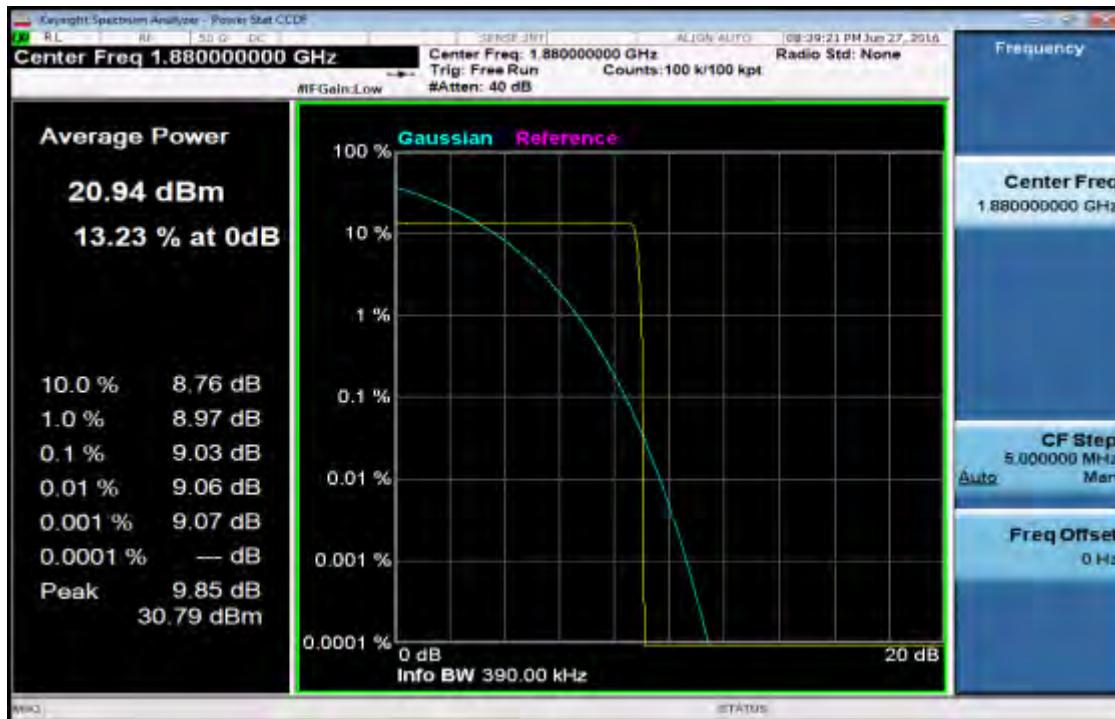
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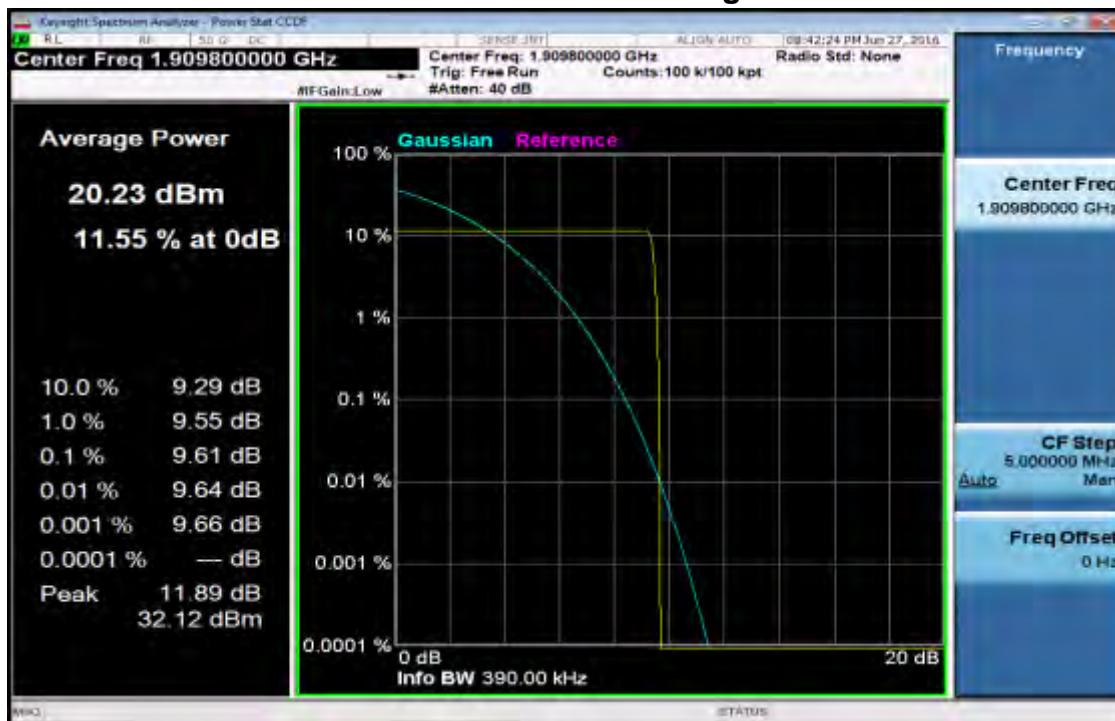
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## GPRS 1900 Channel Mid



## GPRS 1900 Channel High



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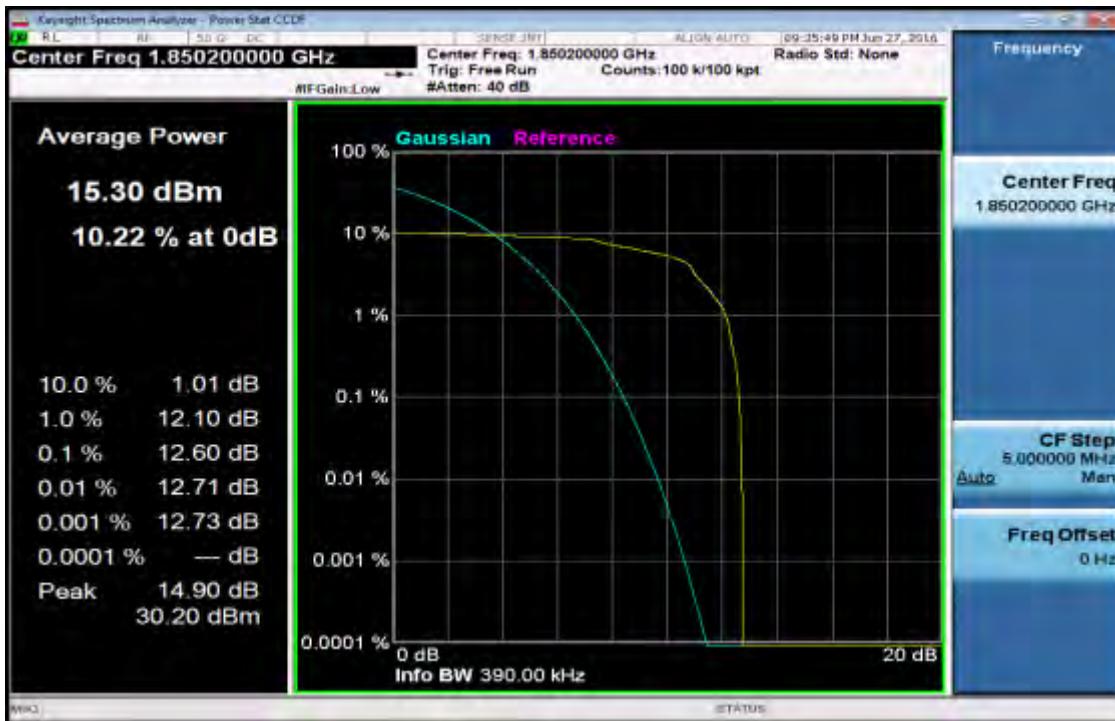
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## EDGE 1900 Channel Low



## EDGE 1900 Channel Mid



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## EDGE 1900 Channel High



## WCDMA Band II Channel Low



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### WCDMA Band II Channel Mid



### WCDMA Band II Channel High



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### HSDPA Band II Channel Low



### HSDPA Band II Channel Mid



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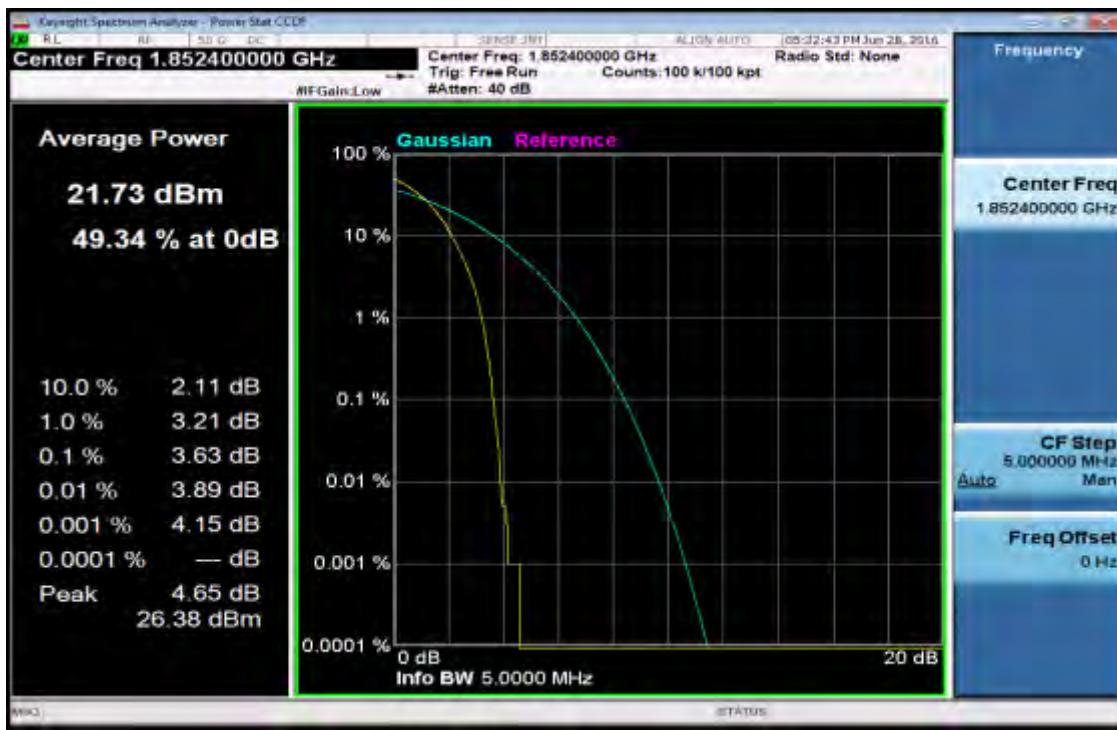
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### HSDPA Band II Channel High



### HSUPA Band II Channel Low



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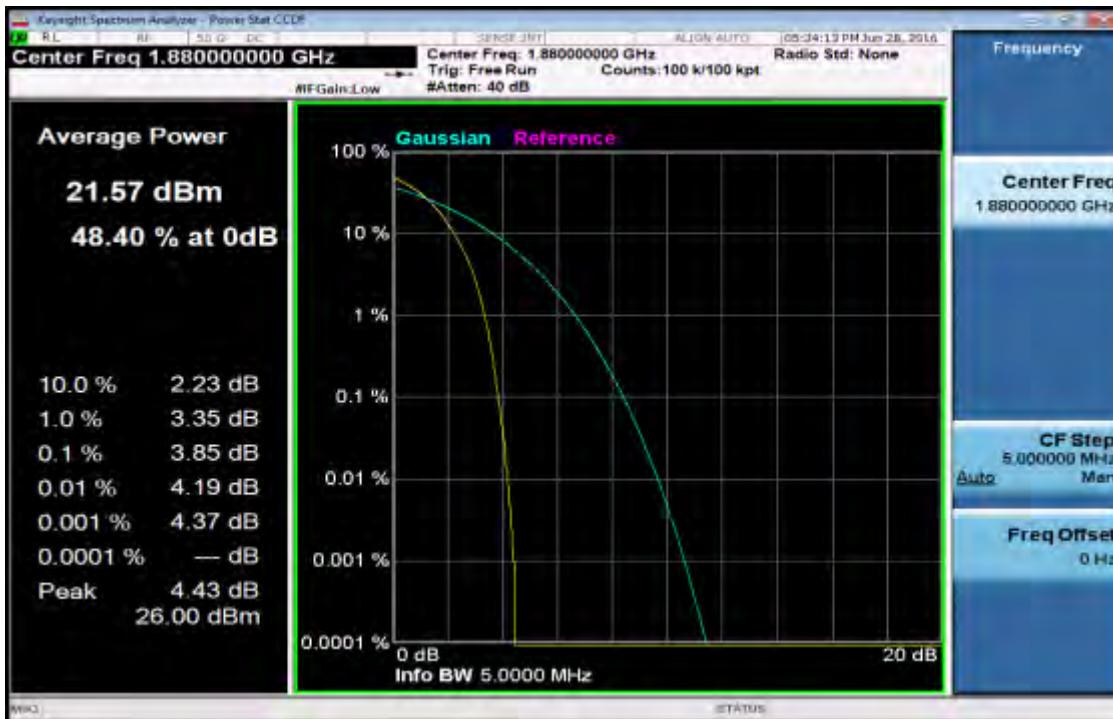
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### HSUPA Band II Channel Mid



### HSUPA Band II Channel High



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## 1.4MHz BW LTE-Band 2(16QAM Number: 6 Offset: 0) Channel Low



## 1.4MHz BW LTE-Band 2(16QAM Number: 6 Offset: 0) Channel Mid



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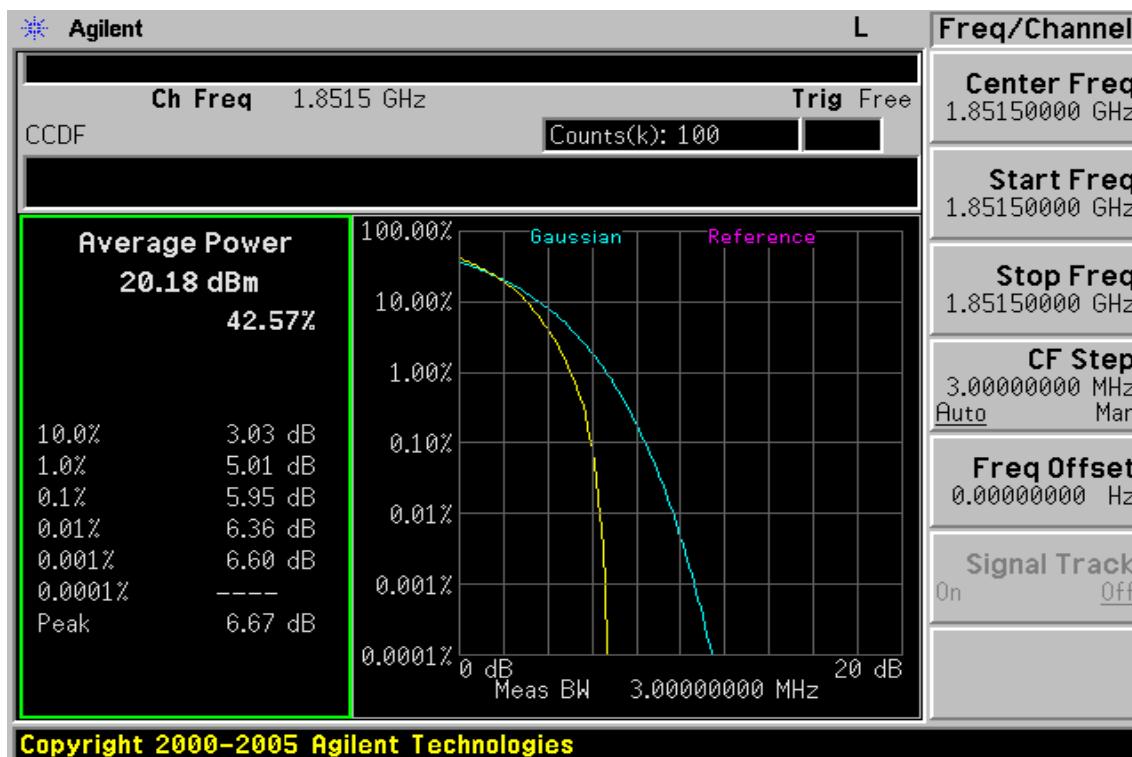
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## 1.4MHz BW LTE-Band 2(16QAM Number: 6 Offset: 0) Channel High



## 3MHz BW LTE-Band 2(16QAM Number: 15 Offset: 0) Channel Low



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## 3MHz BW LTE-Band 2(16QAM Number: 15 Offset: 0) Channel Mid



## 3MHz BW LTE-Band 2(16QAM Number: 15 Offset: 0) Channel High



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## 5MHz BW LTE-Band 2(16QAM Number: 25 Offset: 0) Channel Low



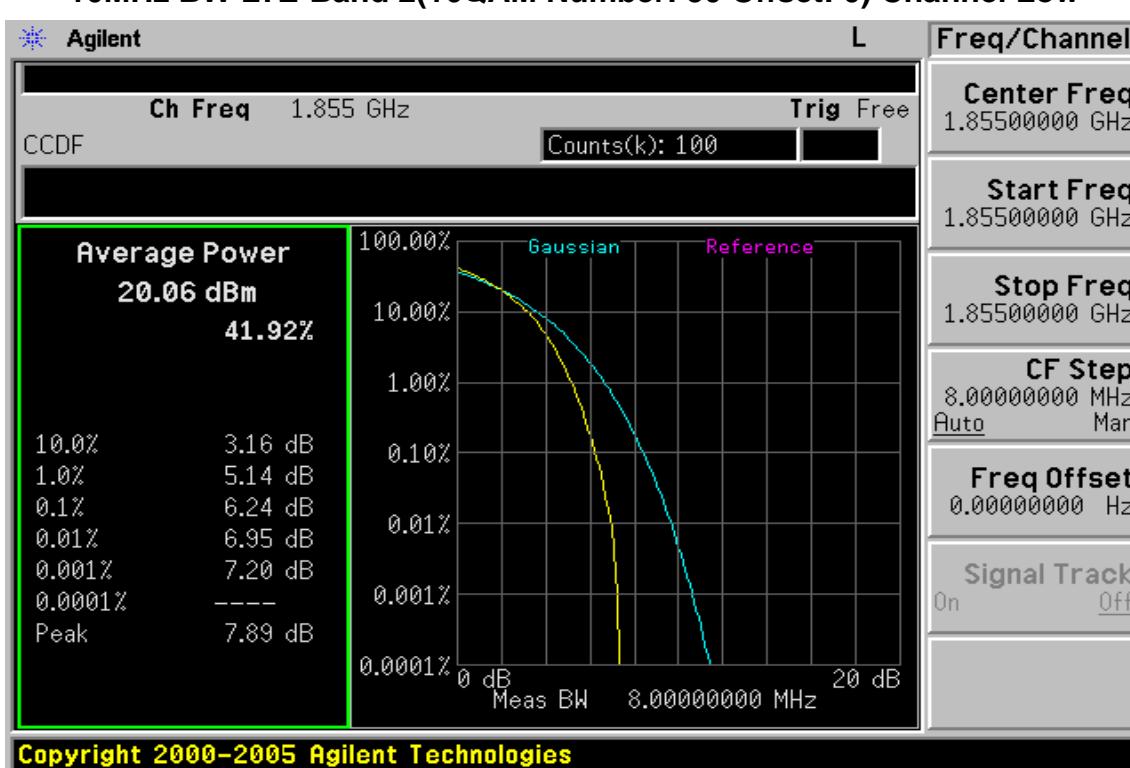
## 5MHz BW LTE-Band 2(16QAM Number: 25 Offset: 0) Channel Mid



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**5MHz BW LTE-Band 2(16QAM Number: 25 Offset: 0) Channel High****10MHz BW LTE-Band 2(16QAM Number: 50 Offset: 0) Channel Low**

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**10MHz BW LTE-Band 2(16QAM Number: 50 Offset: 0) Channel Mid****10MHz BW LTE-Band 2(16QAM Number: 50 Offset: 0) Channel High**

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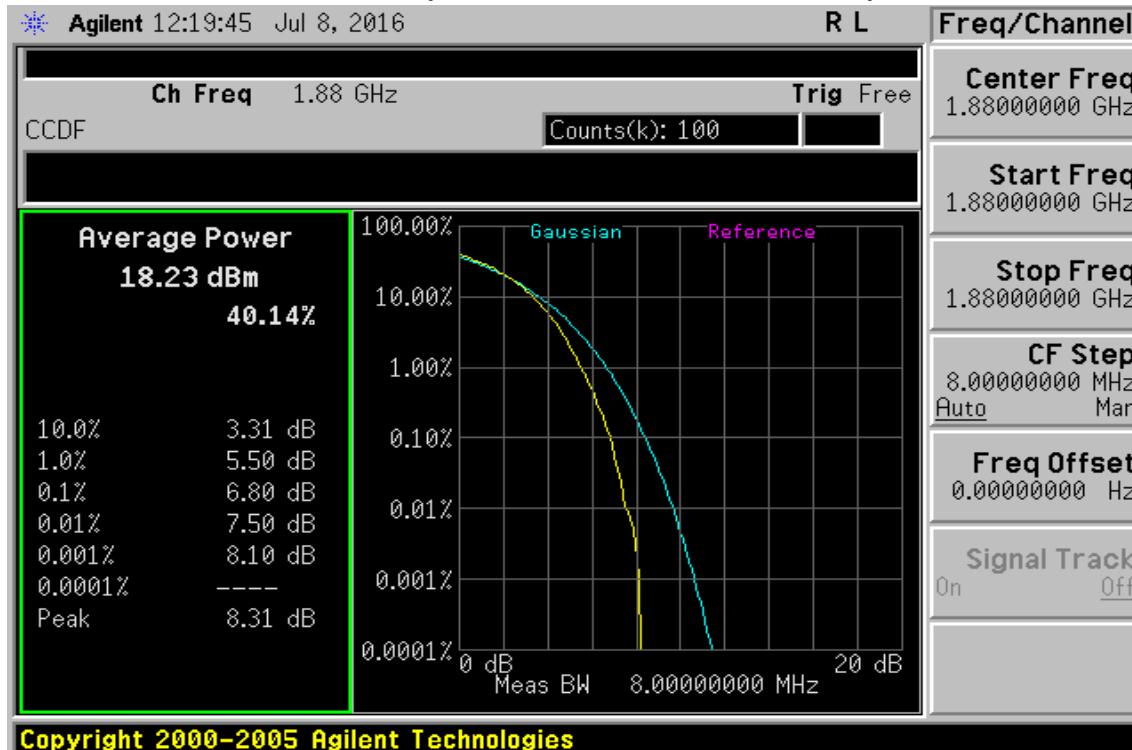
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## 15MHz BW LTE-Band 2(16QAM Number: 75 Offset: 0) Channel Low



## 15MHz BW LTE-Band 2(16QAM Number: 75 Offset: 0) Channel Mid



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**15MHz BW LTE-Band 2(16QAM Number: 75 Offset: 0) Channel High****20MHz BW LTE-Band 2(16QAM Number: 100 Offset: 0) Channel Low**

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**20MHz BW LTE-Band 2(16QAM Number: 100 Offset: 0) Channel Mid****20MHz BW LTE-Band 2(16QAM Number: 100 Offset: 0) Channel High**

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## 5MHz BW LTE-Band 7(16QAM Number: 25 Offset: 0) Channel Low



## 5MHz BW LTE-Band 7(16QAM Number: 25 Offset: 0) Channel Mid



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## 5MHz BW LTE-Band 7(16QAM Number: 25 Offset: 0) Channel High



## 10MHz BW LTE-Band 7(16QAM Number: 50 Offset: 0) Channel Low



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## 10MHz BW LTE-Band 7(16QAM Number: 50 Offset: 0) Channel Mid



## 10MHz BW LTE-Band 7(16QAM Number: 50 Offset: 0) Channel High



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## 15MHz BW LTE-Band 7(16QAM Number: 75 Offset: 0) Channel Low



## 15MHz BW LTE-Band 7(16QAM Number: 75 Offset: 0) Channel Mid



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## 15MHz BW LTE-Band 7(16QAM Number: 75 Offset: 0) Channel High



## 20MHz BW LTE-Band 7(16QAM Number: 100 Offset: 0) Channel Low



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## 20MHz BW LTE-Band 7(16QAM Number: 100 Offset: 0) Channel Mid



## 20MHz BW LTE-Band 7(16QAM Number: 100 Offset: 0) Channel High

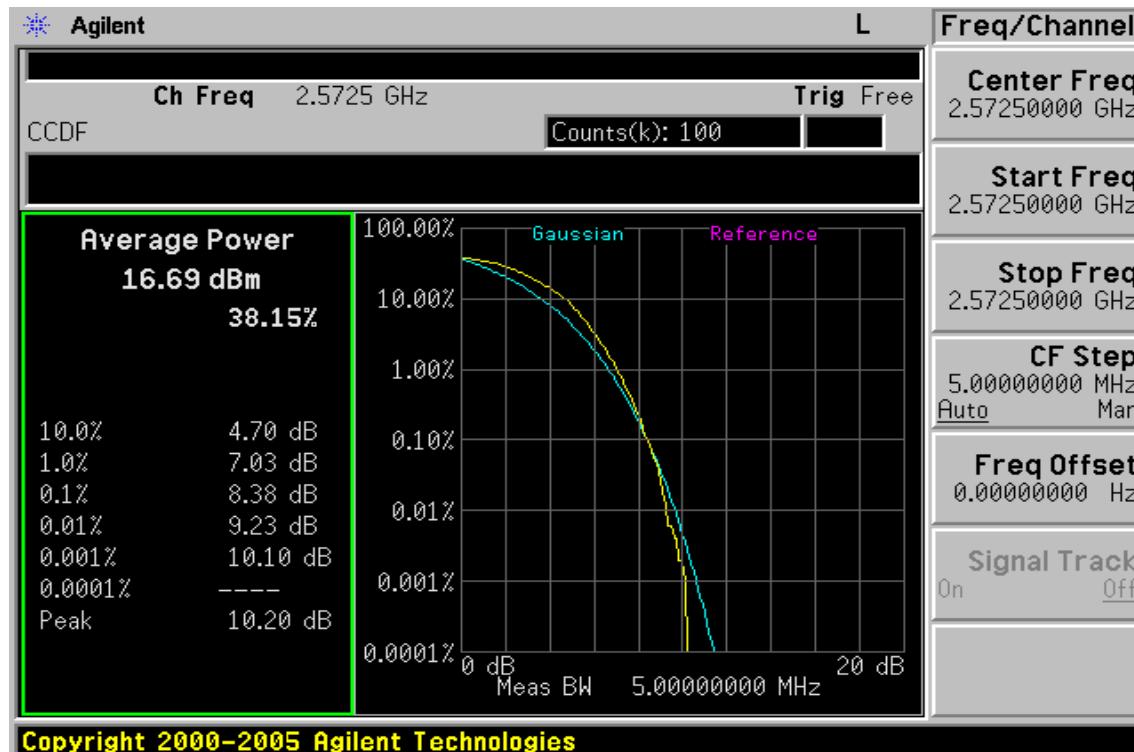


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## 5MHz BW LTE-Band 38(16QAM Number: 25 Offset: 0) Channel Low



## 5MHz BW LTE-Band 38(16QAM Number: 25 Offset: 0) Channel Mid



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## 5MHz BW LTE-Band 38(16QAM Number: 25 Offset: 0) Channel High



## 10MHz BW LTE-Band 38(16QAM Number: 50 Offset: 0) Channel Low



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## 10MHz BW LTE-Band 38(16QAM Number: 50 Offset: 0) Channel Mid



## 10MHz BW LTE-Band 38(16QAM Number: 50 Offset: 0) Channel High



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## 15MHz BW LTE-Band 38(16QAM Number: 75 Offset: 0) Channel Low



## 15MHz BW LTE-Band 38(16QAM Number: 75 Offset: 0) Channel Mid



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## 15MHz BW LTE-Band 38(16QAM Number: 75 Offset: 0) Channel High



## 20MHz BW LTE-Band 38(16QAM Number: 100 Offset: 0) Channel Low



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## 20MHz BW LTE-Band 38(16QAM Number: 100 Offset: 0) Channel Mid



## 20MHz BW LTE-Band 38(16QAM Number: 100 Offset: 0) Channel High

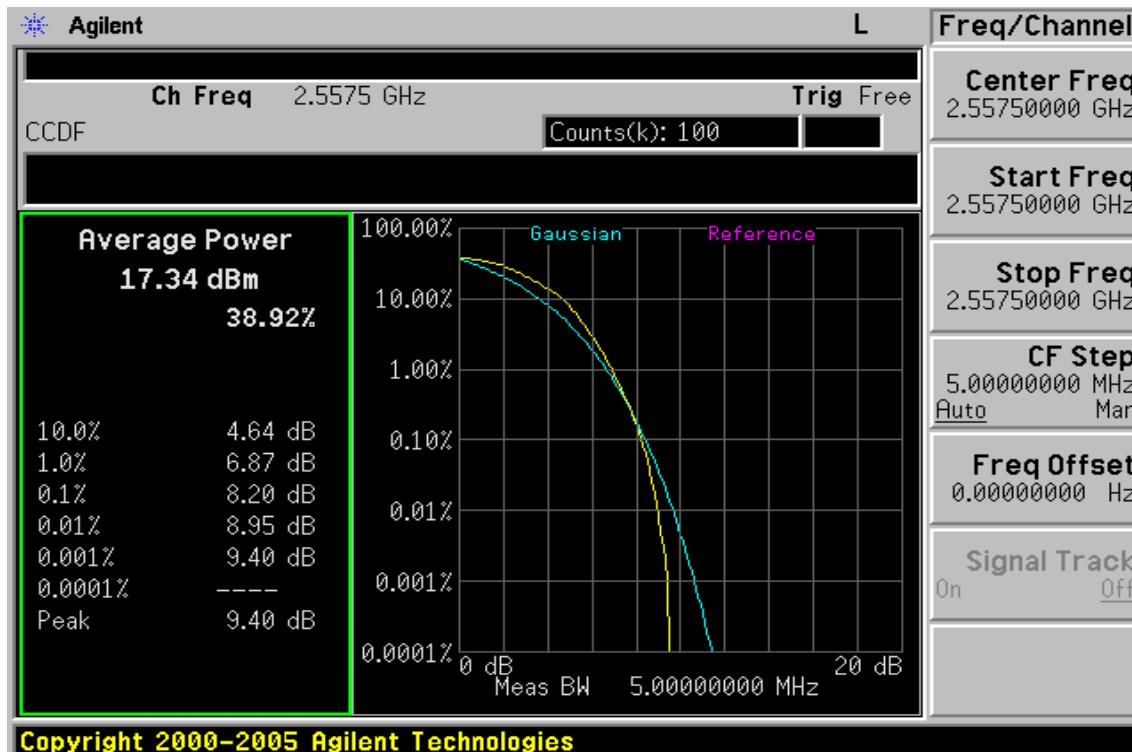


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## 5MHz BW LTE-Band 41(16QAM Number: 25 Offset: 0) Channel Low



## 5MHz BW LTE-Band 41(16QAM Number: 25 Offset: 0) Channel Mid



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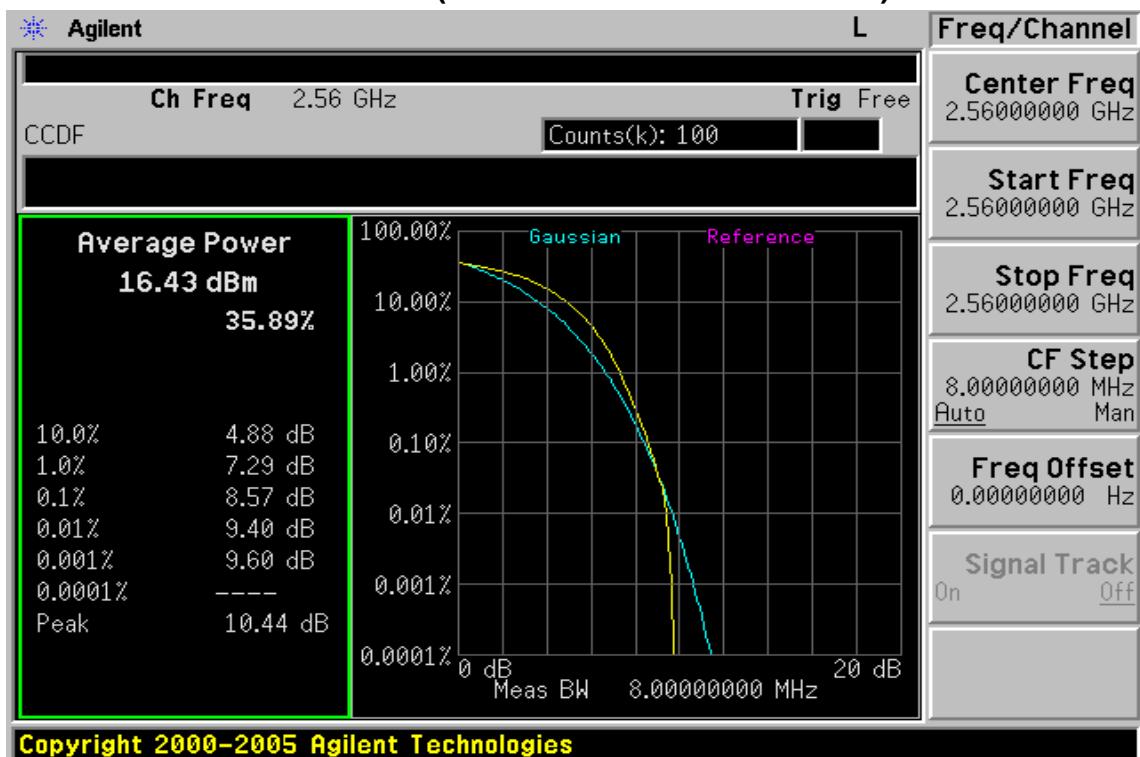
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## 5MHz BW LTE-Band 41(16QAM Number: 25 Offset: 0) Channel High



## 10MHz BW LTE-Band 41(16QAM Number: 50 Offset: 0) Channel Low



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## 10MHz BW LTE-Band 41(16QAM Number: 50 Offset: 0) Channel Mid



## 10MHz BW LTE-Band 41(16QAM Number: 50 Offset: 0) Channel High



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## 15MHz BW LTE-Band 41(16QAM Number: 75 Offset: 0) Channel Low



## 15MHz BW LTE-Band 41(16QAM Number: 75 Offset: 0) Channel Mid



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## 15MHz BW LTE-Band 41(16QAM Number: 75 Offset: 0) Channel High



## 20MHz BW LTE-Band 41(16QAM Number: 100 Offset: 0) Channel Low



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## 20MHz BW LTE-Band 41(16QAM Number: 100 Offset: 0) Channel Mid



## 20MHz BW LTE-Band 41(16QAM Number: 100 Offset: 0) Channel High



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