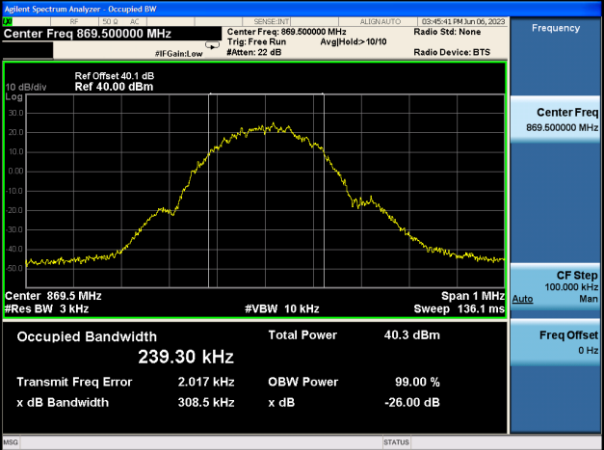
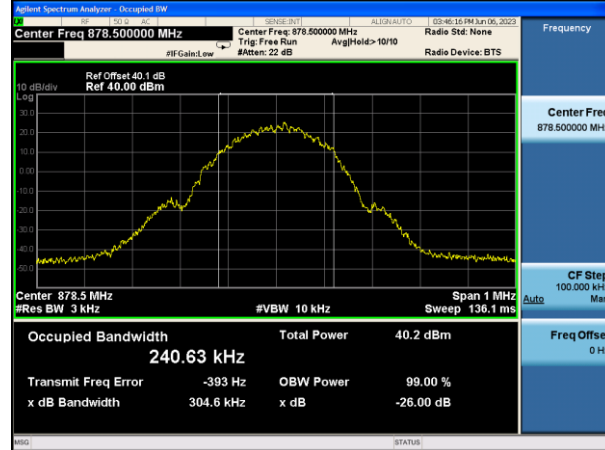
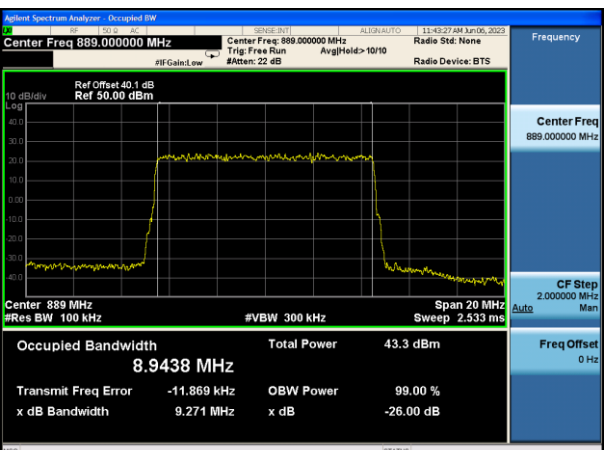
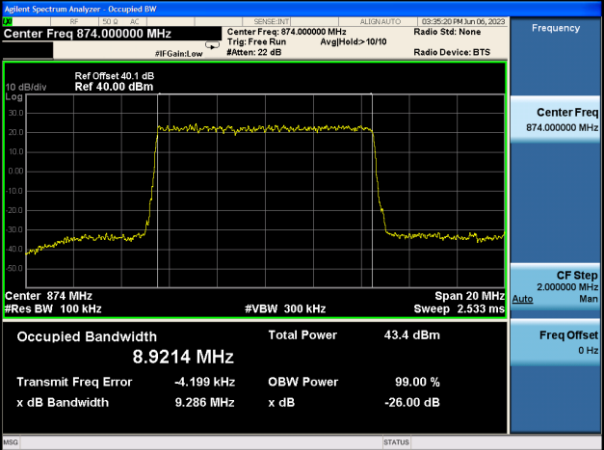
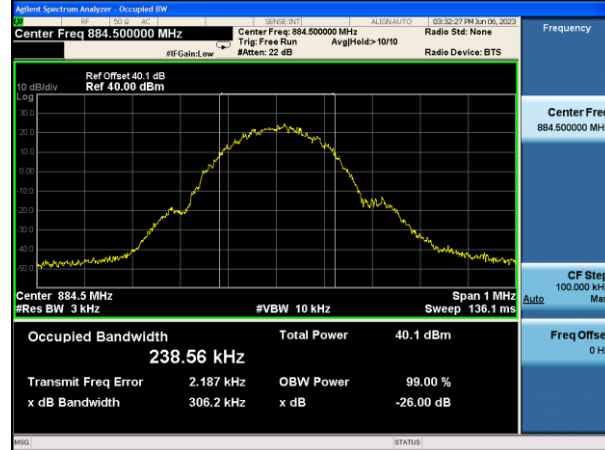
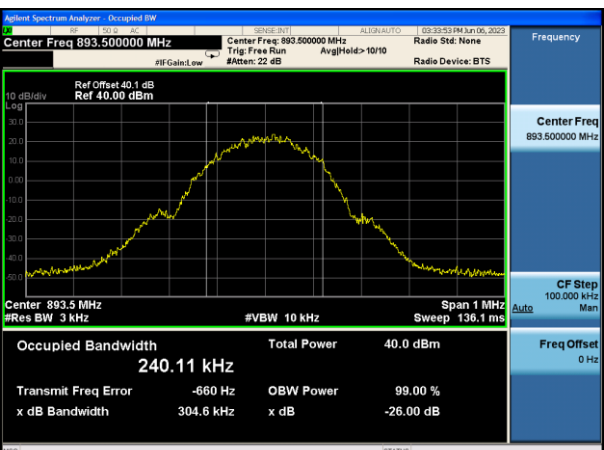


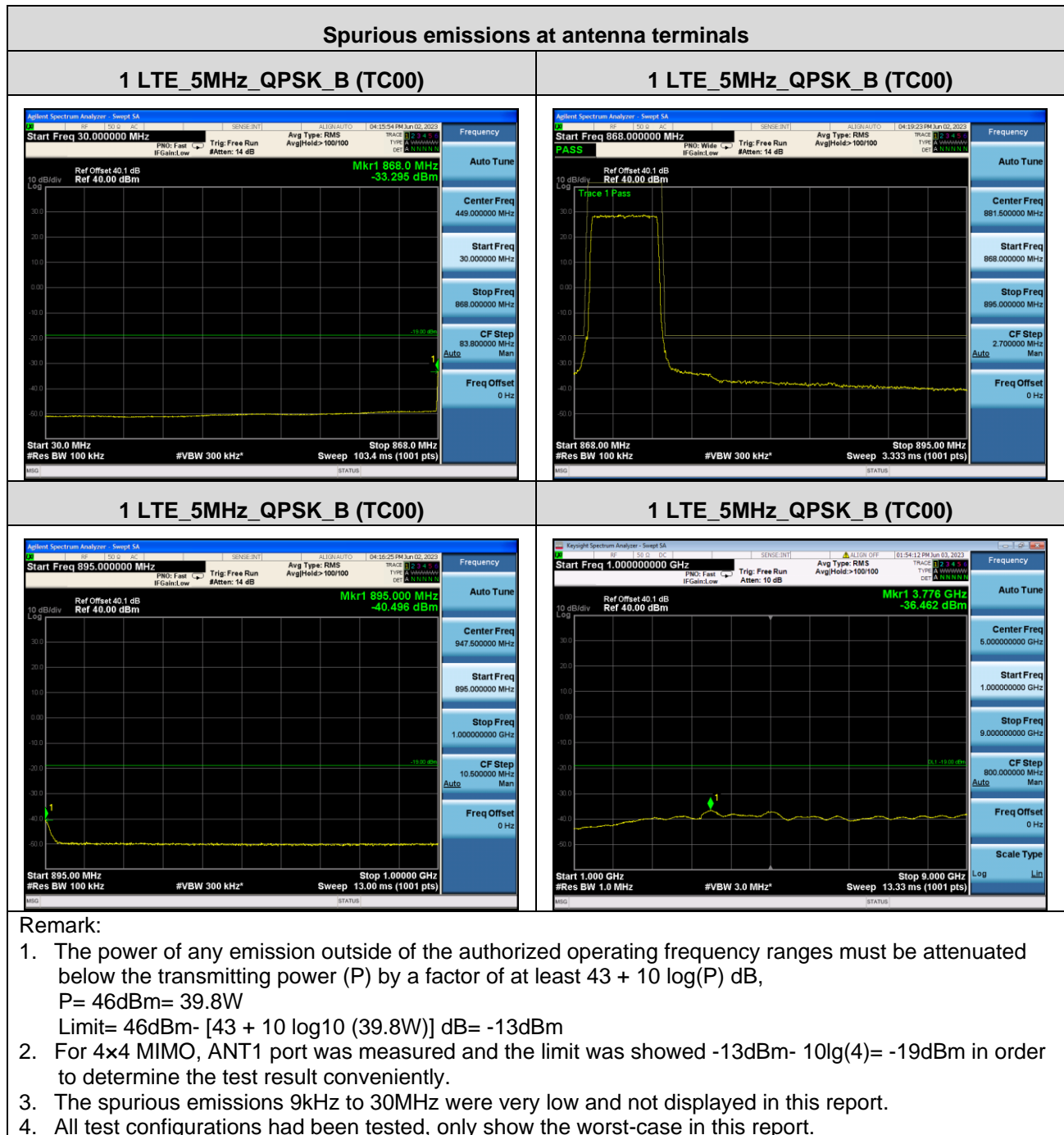
Bandwidth	
<p>2 GSM+ 1 LTE_10MHz_GMSK+QPSK (TC66)</p> 	<p>2 GSM+ 1 LTE_10MHz_GMSK+QPSK (TC66)</p> 
<p>2 GSM+ 1 LTE_10MHz_GMSK+QPSK (TC66)</p> 	<p>/</p>
<p>Remark:</p> <ol style="list-style-type: none"> 1. All test configurations had been tested, only show the worst-case of 3 carries (2 GSM+1 LTE)in this report. 2. ANT1 port was measured. 	

Bandwidth	
<p>2 GSM+ 1 LTE_10MHz_QPSK+GMSK (TC72)</p> 	<p>2 GSM+ 1 LTE_10MHz_QPSK+GMSK (TC72)</p> 
<p>2 GSM+ 1 LTE_10MHz_QPSK+GMSK (TC72)</p> 	<p>/</p>

Remark:

1. All test configurations had been tested, only show the worst-case of 3 carries (2 GSM+1 LTE)in this report.
2. ANT1 port was measured.

4 Spurious emissions at antenna terminals



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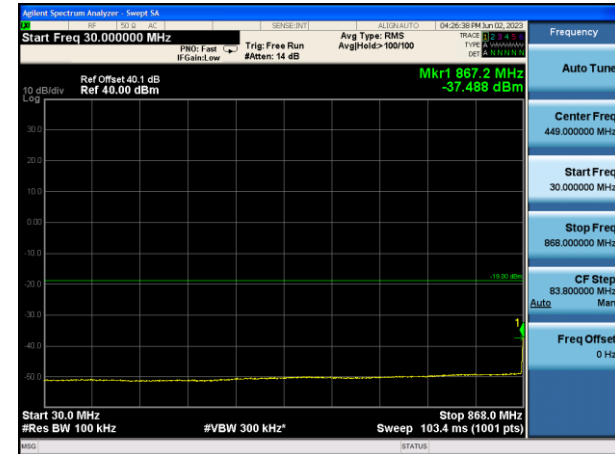
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch, EEC Laboratory

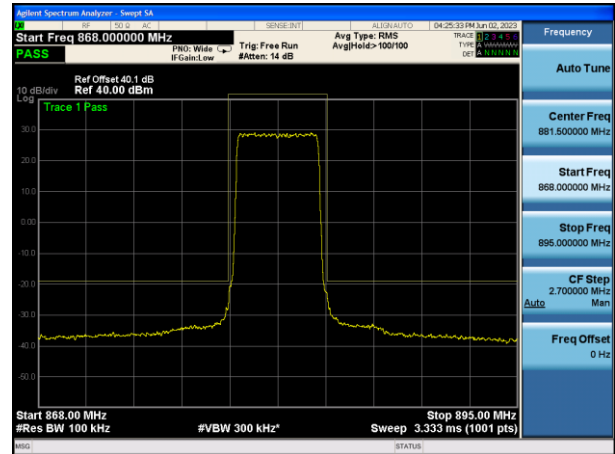
No.196 Kexhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgs.com
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

Spurious emissions at antenna terminals

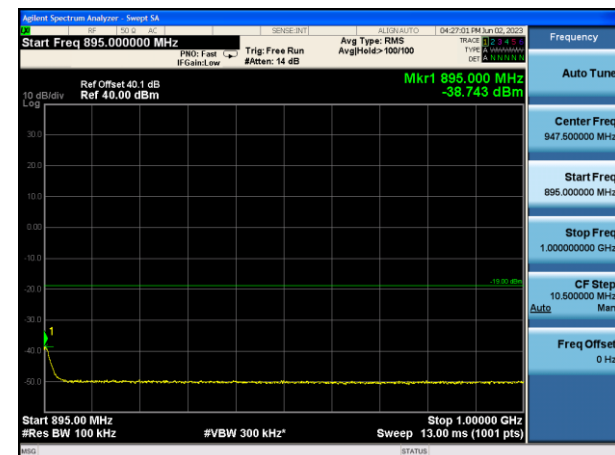
1 LTE_5MHz_QPSK_M (TC00)



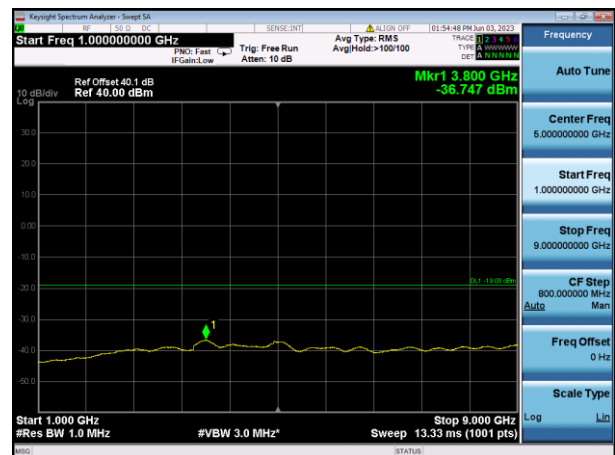
1 LTE_5MHz_QPSK_M (TC00)



1 LTE_5MHz_QPSK_M (TC00)



1 LTE_5MHz_QPSK_M (TC00)

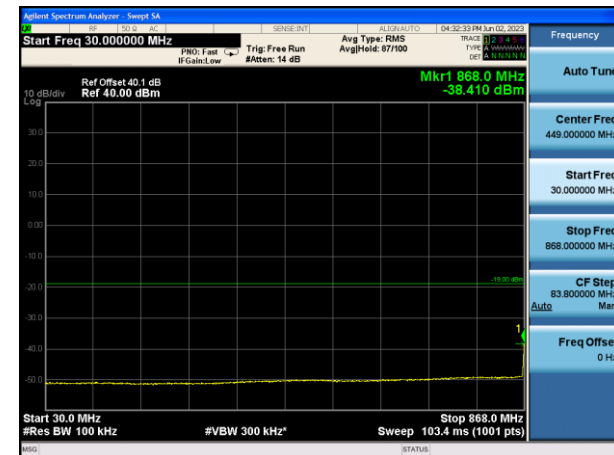


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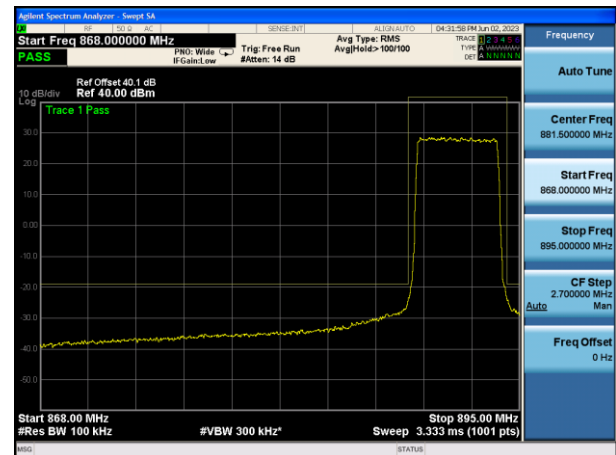
1. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB,
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 $\text{Limit} = 46\text{dBm} - [43 + 10 \log_{10}(39.8\text{W})] \text{dB} = -13\text{dBm}$
2. For 4x4 MIMO, ANT1 port was measured and the limit was showed $-13\text{dBm} - 10\lg(4) = -19\text{dBm}$ in order to determine the test result conveniently.
3. The spurious emissions 9kHz to 30MHz were very low and not displayed in this report.
4. All test configurations had been tested, only show the worst-case in this report.

Spurious emissions at antenna terminals

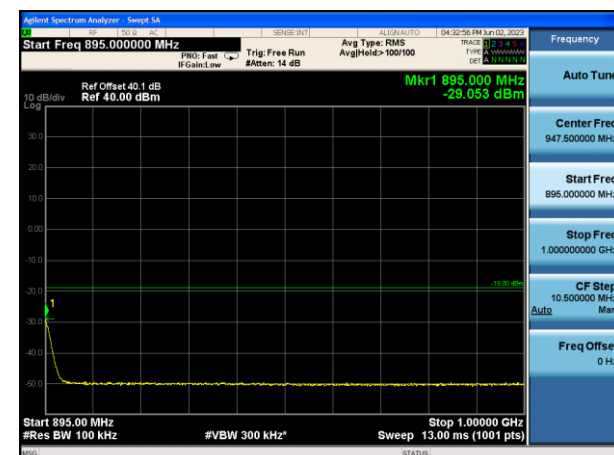
1 LTE_5MHz_QPSK_T (TC00)



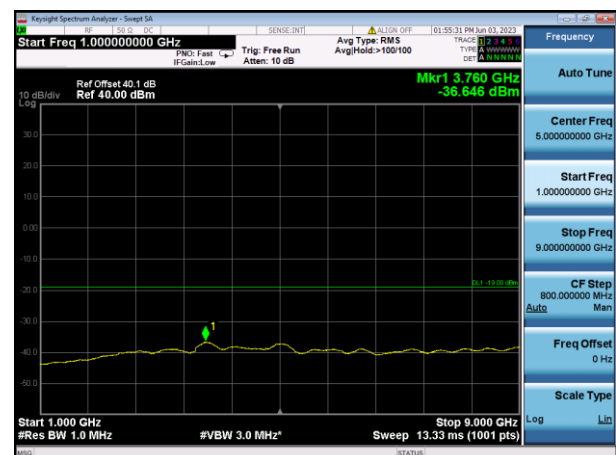
1 LTE_5MHz_QPSK_T (TC00)



1 LTE_5MHz_QPSK_T (TC00)



1 LTE_5MHz_QPSK_T (TC00)

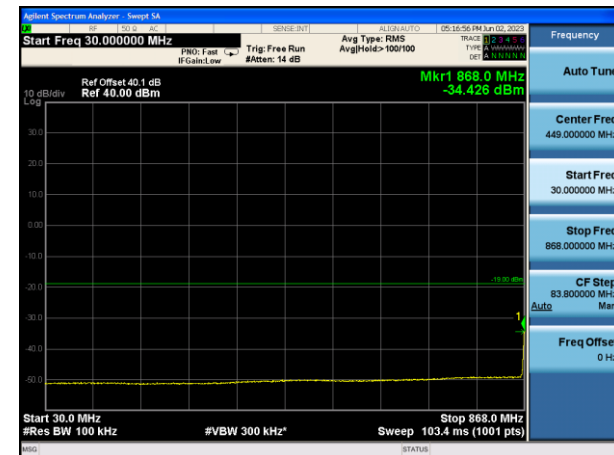


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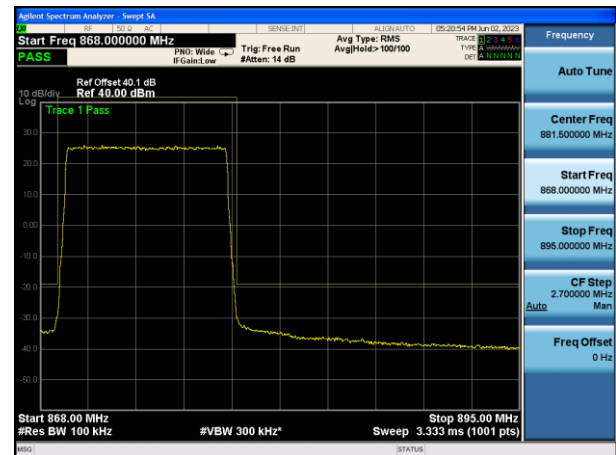
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Spurious emissions at antenna terminals

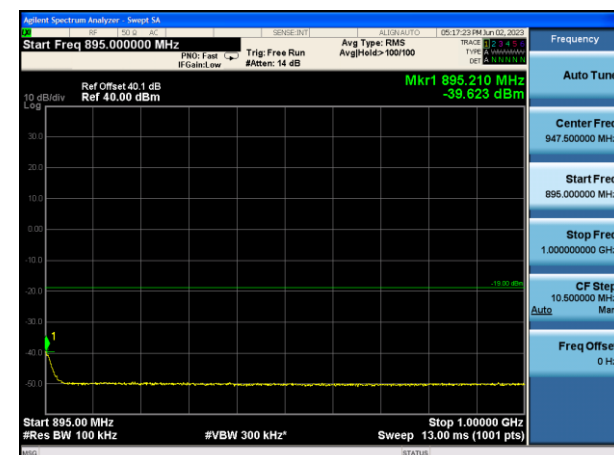
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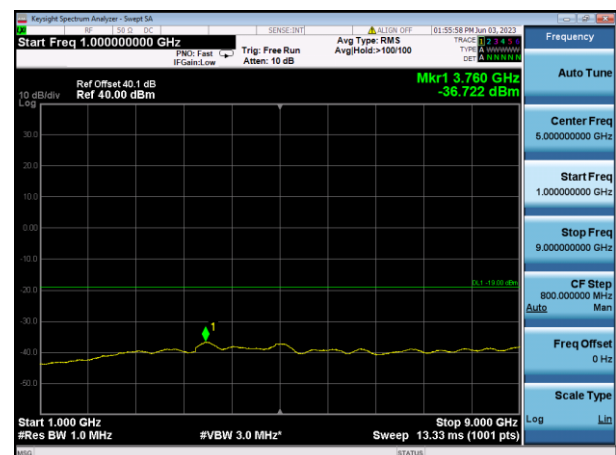
1 LTE_10MHz_QPSK_B (TC03)



1 LTE_10MHz_QPSK_B (TC03)



1 LTE_10MHz_QPSK_B (TC03)

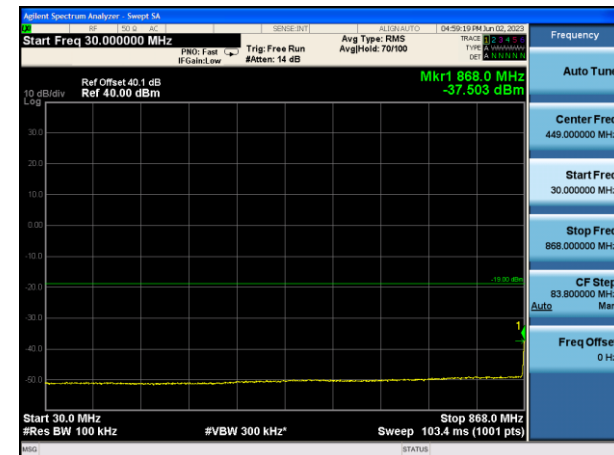


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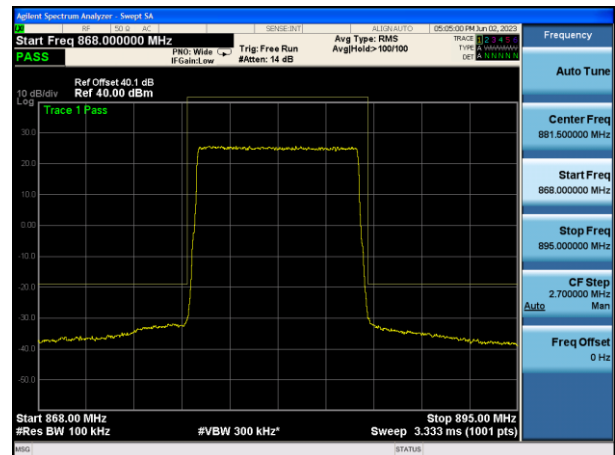
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Spurious emissions at antenna terminals

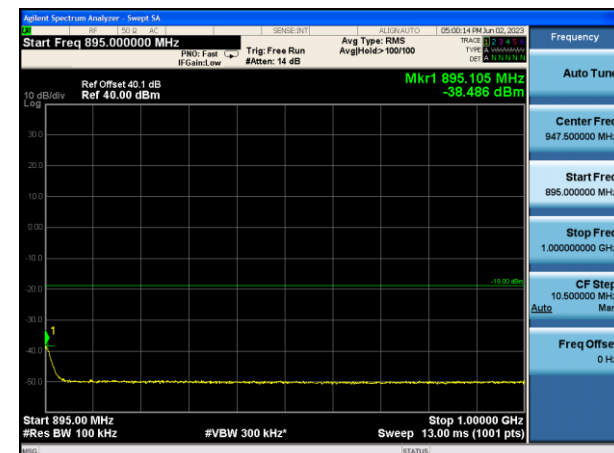
1 LTE_10MHz_QPSK_M (TC03)



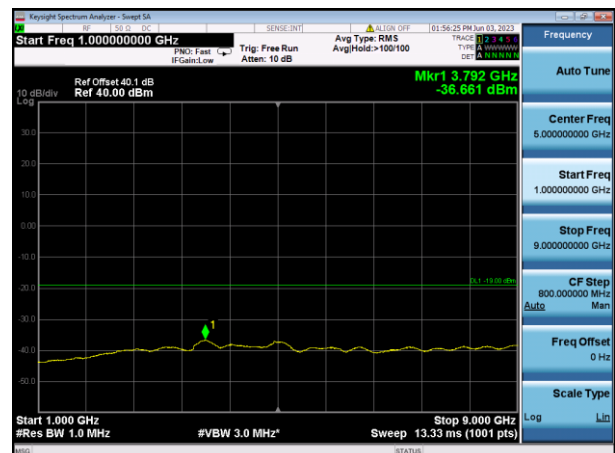
1 LTE_10MHz_QPSK_M (TC03)



1 LTE_10MHz_QPSK_M (TC03)



1 LTE_10MHz_QPSK_M (TC03)

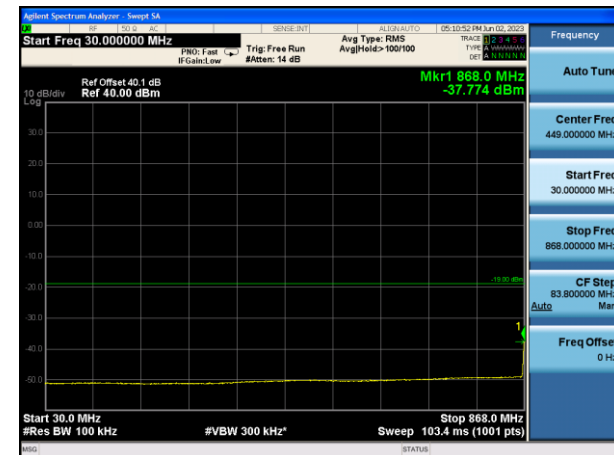


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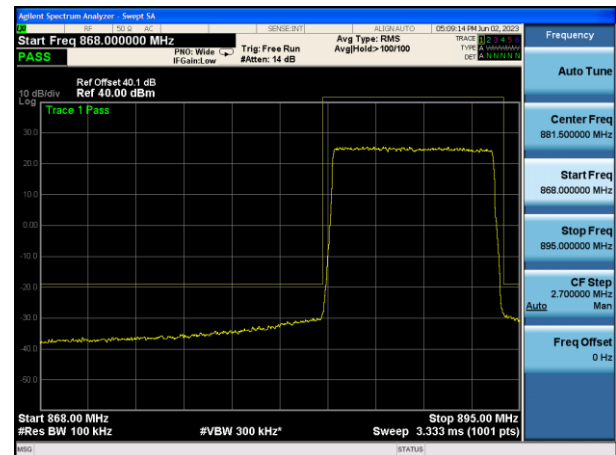
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Spurious emissions at antenna terminals

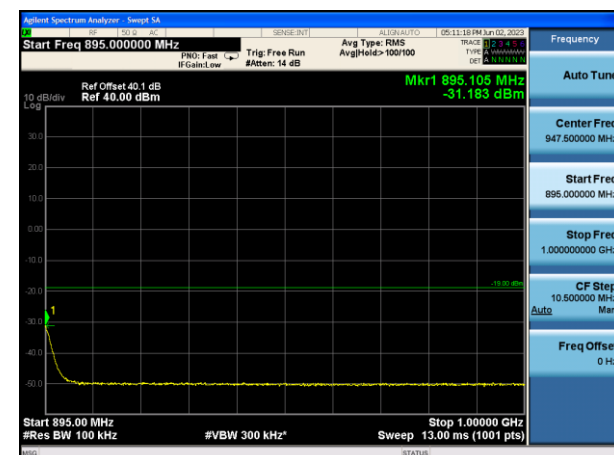
1 LTE_10MHz_QPSK_T (TC03)



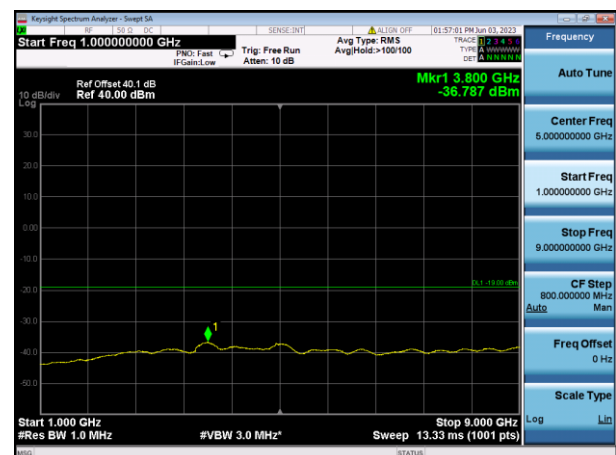
1 LTE_10MHz_QPSK_T (TC03)



1 LTE_10MHz_QPSK_T (TC03)



1 LTE_10MHz_QPSK_T (TC03)

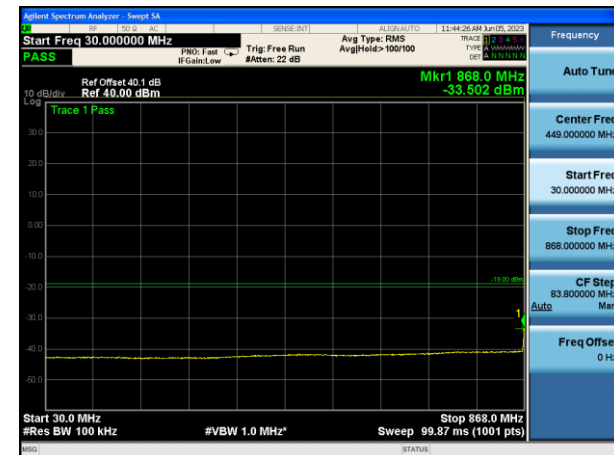


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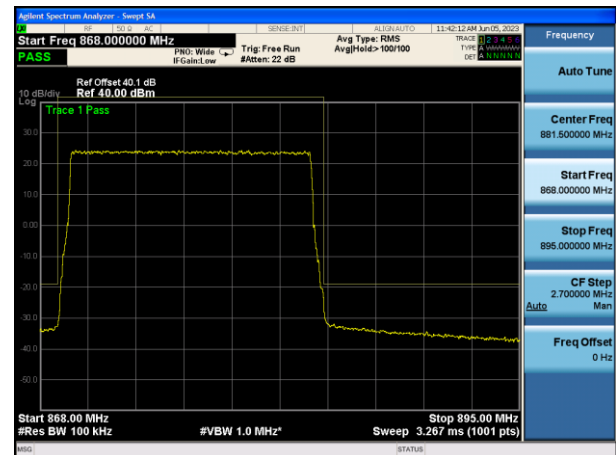
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Spurious emissions at antenna terminals

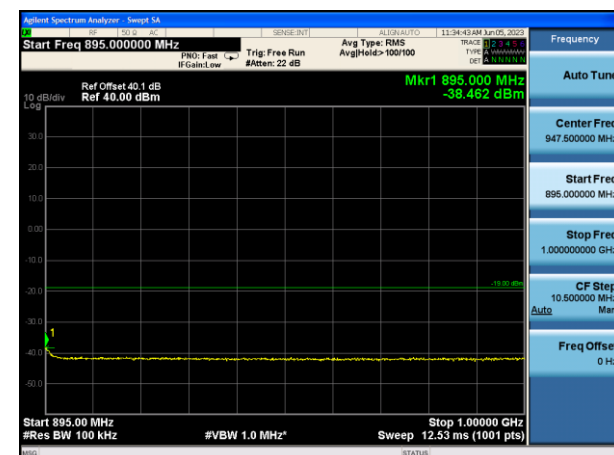
1 LTE_15MHz_QPSK_B (TC06)



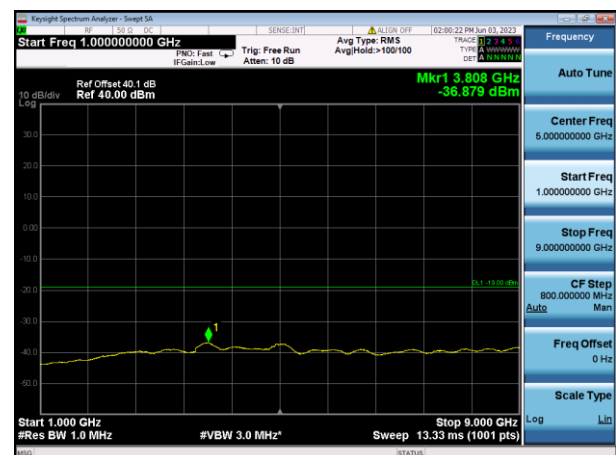
1 LTE_15MHz_QPSK_B (TC06)



1 LTE_15MHz_QPSK_B (TC06)



1 LTE_15MHz_QPSK_B (TC06)



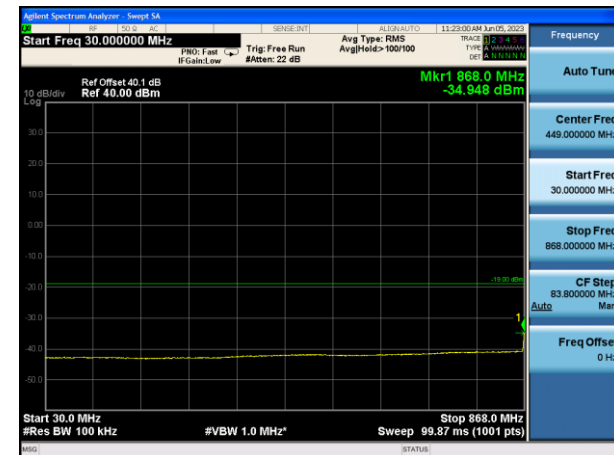
Remark:

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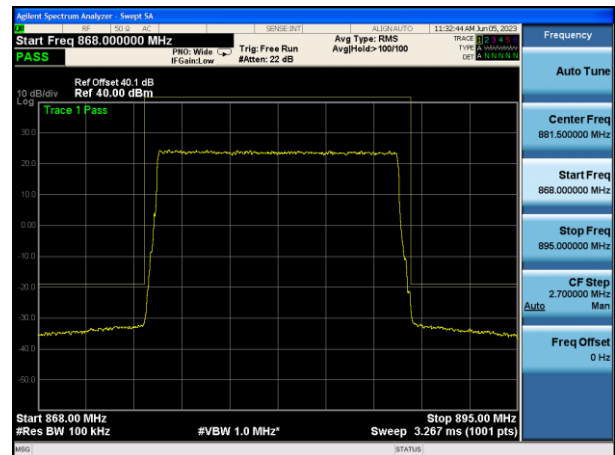


Spurious emissions at antenna terminals

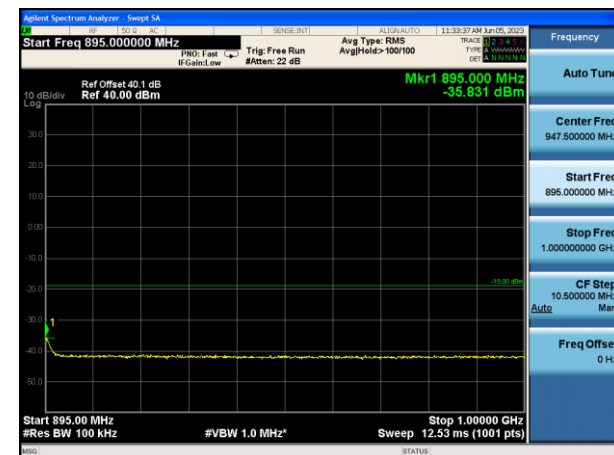
1 LTE_15MHz_QPSK_M (TC06)



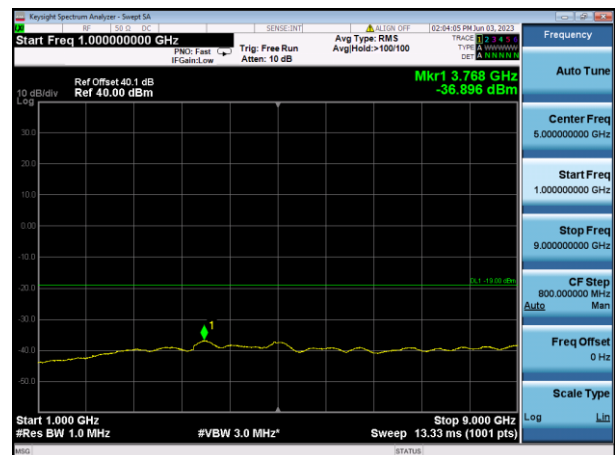
1 LTE_15MHz_QPSK_M (TC06)



1 LTE_15MHz_QPSK_M (TC06)



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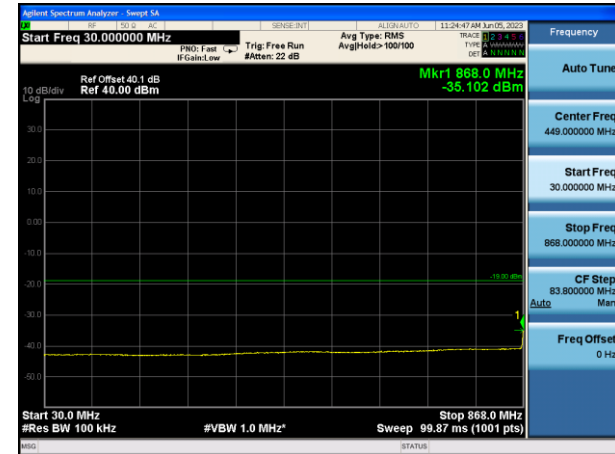
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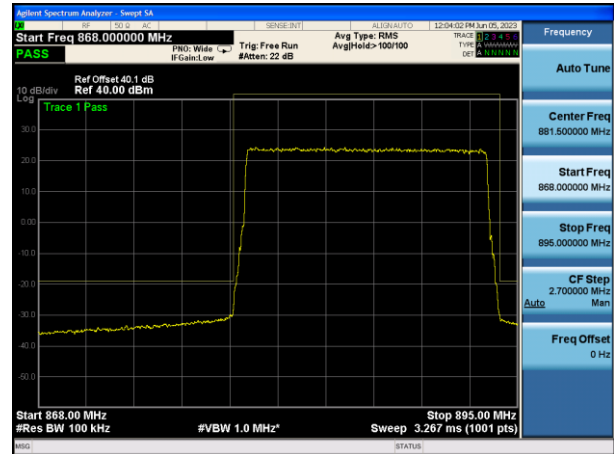


Spurious emissions at antenna terminals

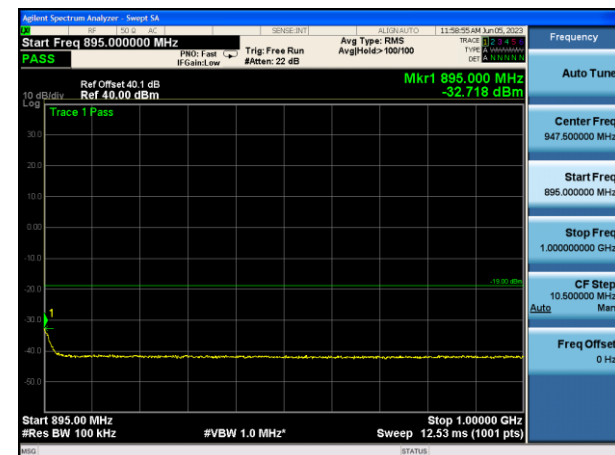
1 LTE_15MHz_QPSK_T (TC06)



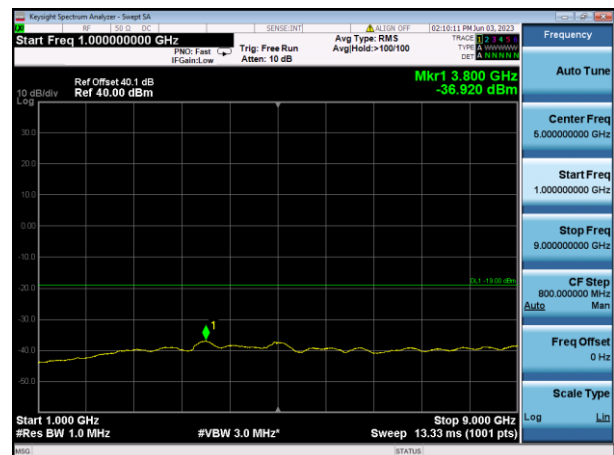
1 LTE_15MHz_QPSK_T (TC06)



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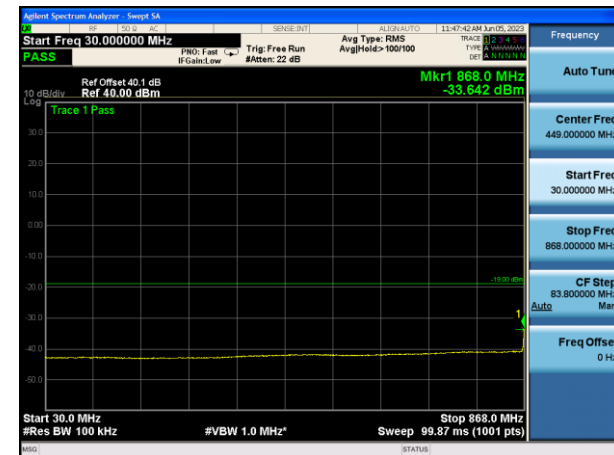


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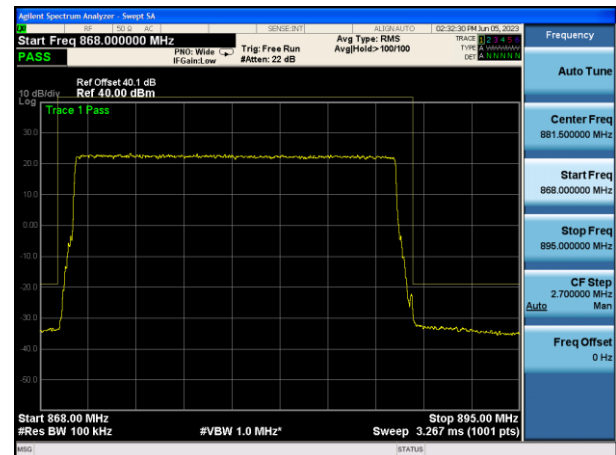
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Spurious emissions at antenna terminals

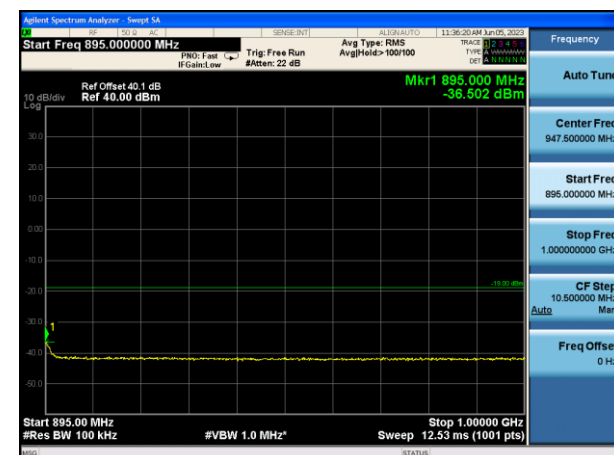
1 LTE_20MHz_QPSK_B (TC09)



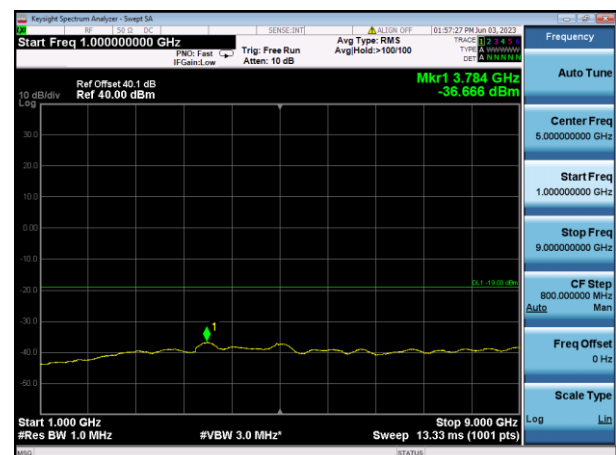
1 LTE_20MHz_QPSK_B (TC09)



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1 LTE_20MHz_QPSK_B (TC09)

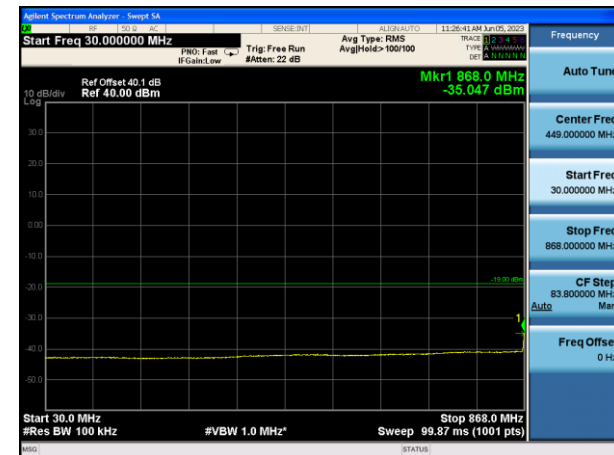


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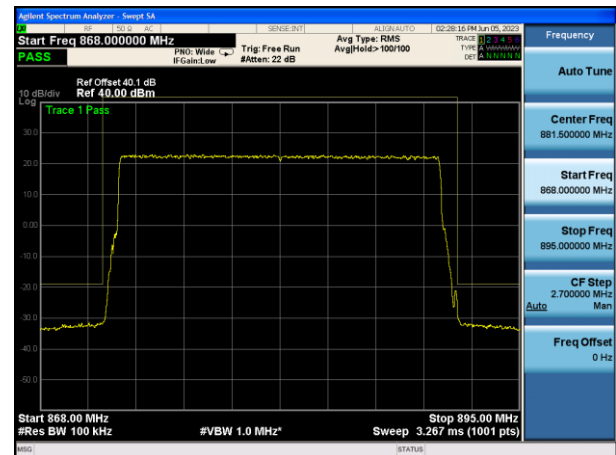
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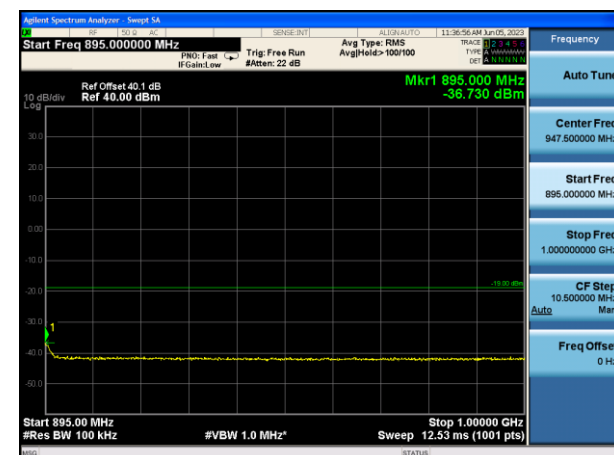
1 LTE_20MHz_QPSK_M (TC09)



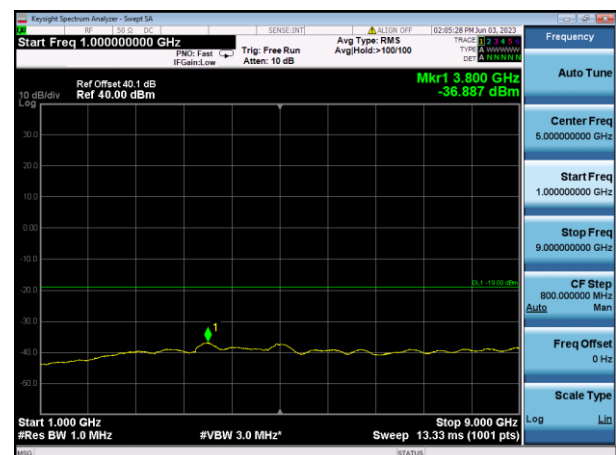
1 LTE_20MHz_QPSK_M (TC09)



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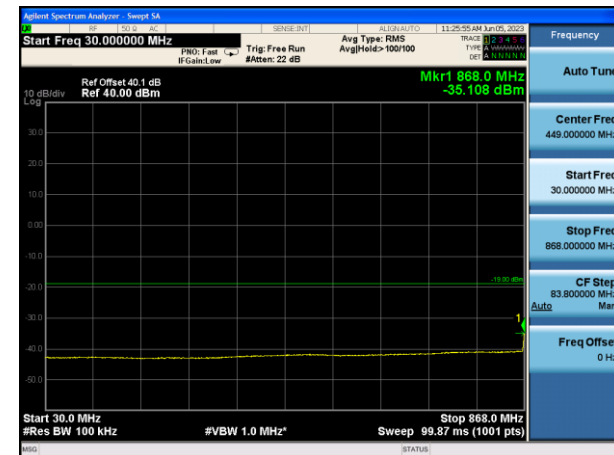


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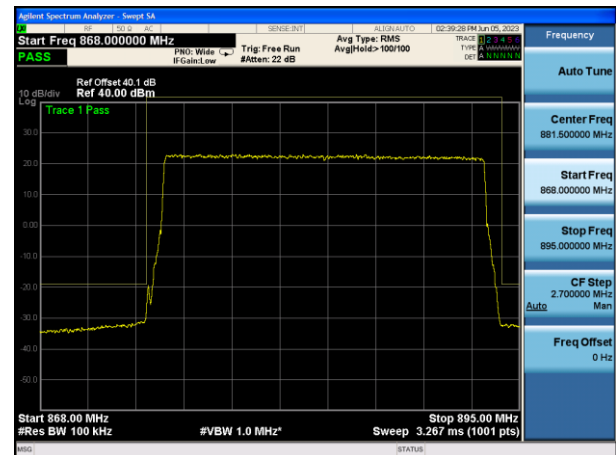
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Spurious emissions at antenna terminals

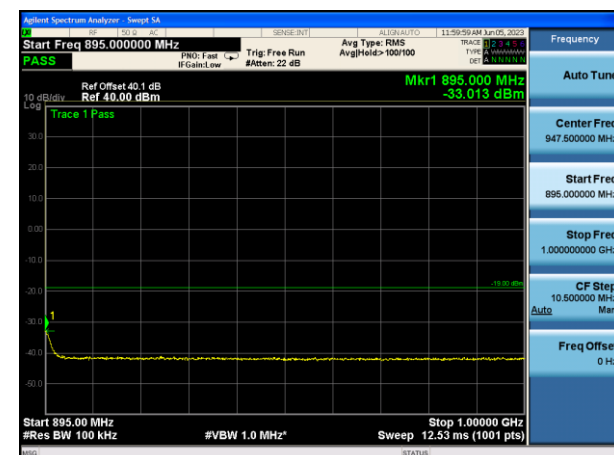
1 LTE_20MHz_QPSK_T (TC09)



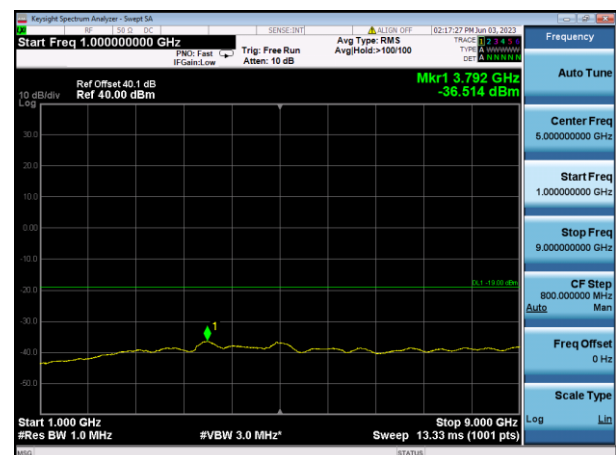
1 LTE_20MHz_QPSK_T (TC09)



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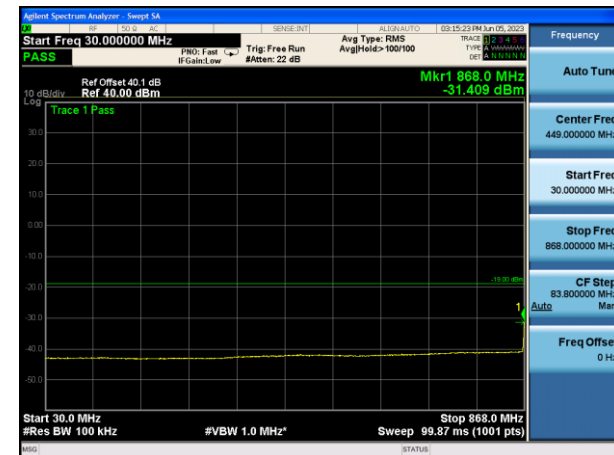


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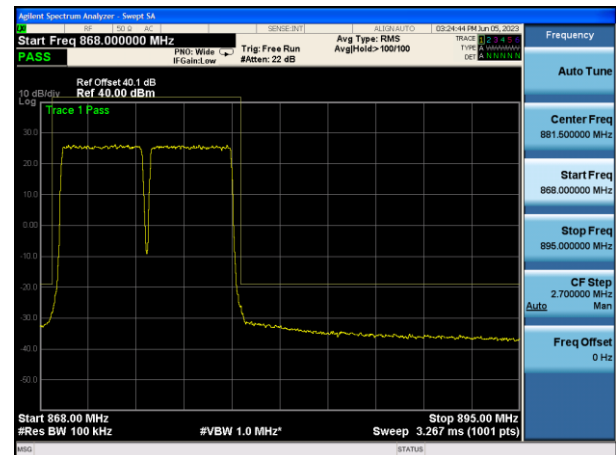
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 $P = 46 \text{ dBm} = 39.8 \text{ W}$
 $\text{Limit} = 46 \text{ dBm} - [43 + 10 \log_{10}(39.8 \text{ W})] \text{ dB} = -13 \text{ dBm}$
2. For 4x4 MIMO, ANT1 port was measured and the limit was showed $-13 \text{ dBm} - 10 \lg(4) = -19 \text{ dBm}$ in order to determine the test result conveniently.
3. The spurious emissions 9kHz to 30MHz were very low and not displayed in this report.
4. All test configurations had been tested, only show the worst-case in this report.

Spurious emissions at antenna terminals

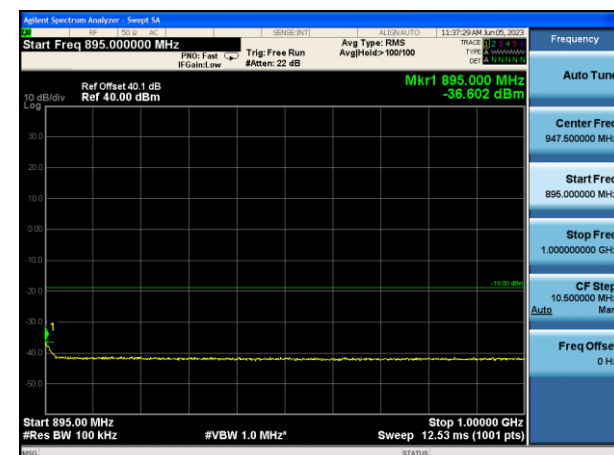
2 LTE_5+5MHz_QPSK_B (TC12)



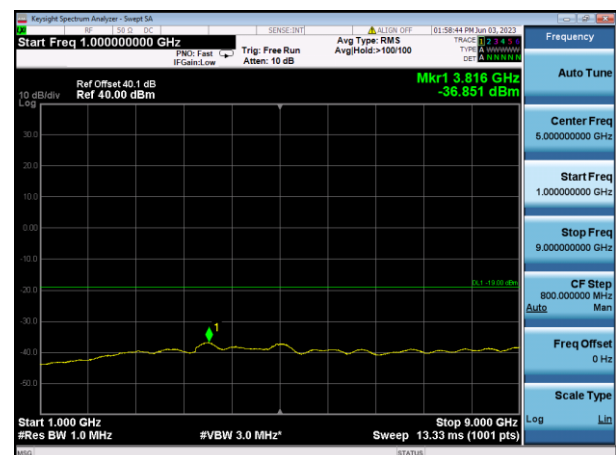
2 LTE_5+5MHz_QPSK_B (TC12)



2 LTE_5+5MHz_QPSK_B (TC12)



2 LTE_5+5MHz_QPSK_B (TC12)

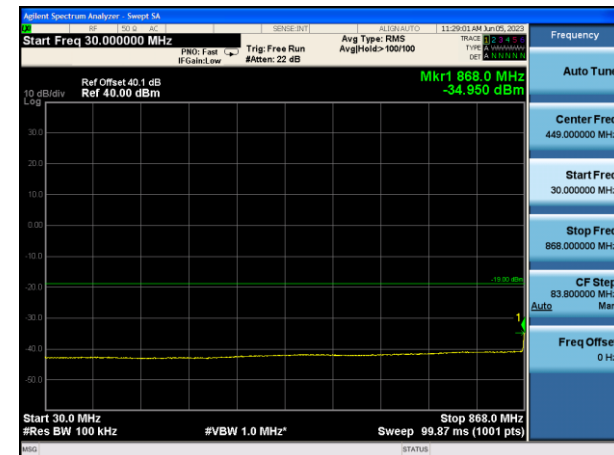


Remark:

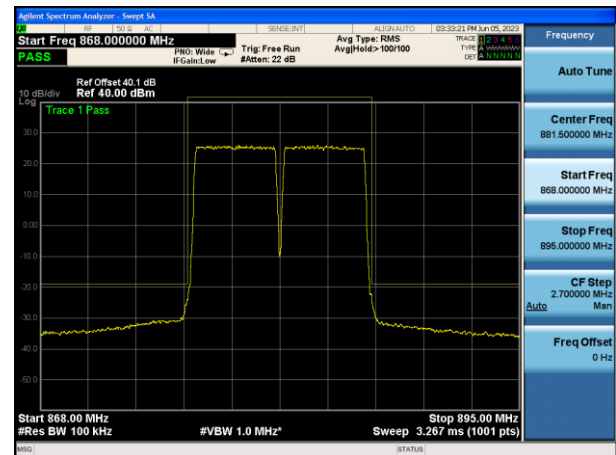
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Spurious emissions at antenna terminals

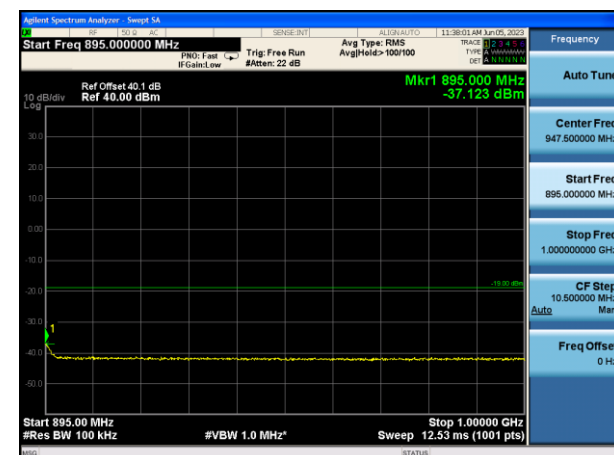
2 LTE_5+5MHz_QPSK_M (TC12)



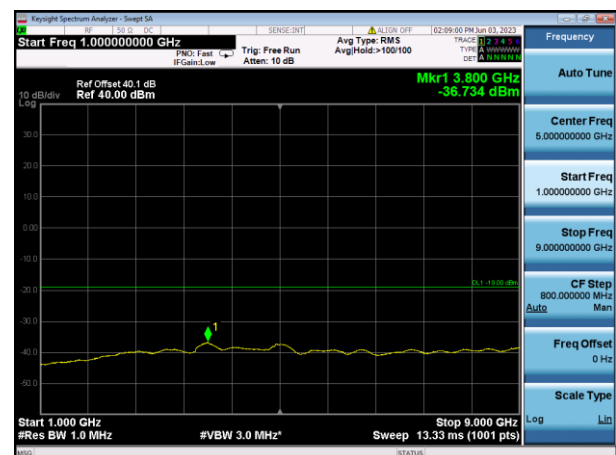
2 LTE_5+5MHz_QPSK_M (TC12)



2 LTE_5+5MHz_QPSK_M (TC12)



2 LTE_5+5MHz_QPSK_M (TC12)

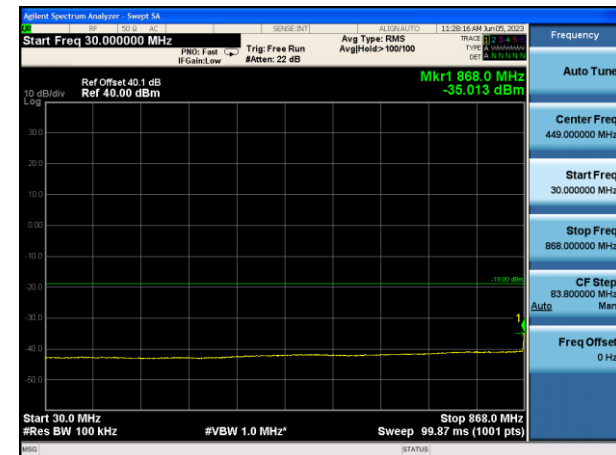


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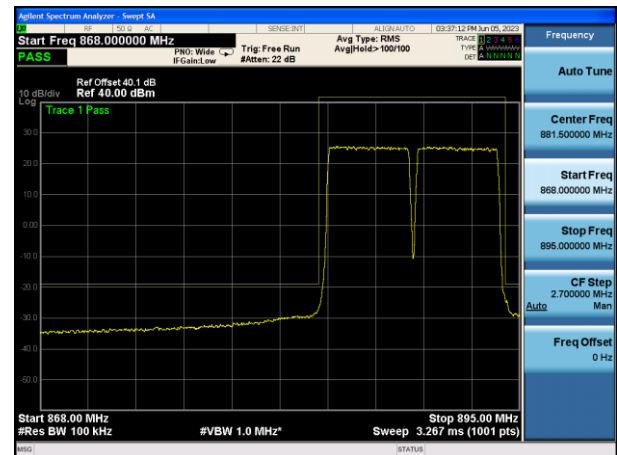
1. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB,
 $P = 46\text{dBm} = 39.8\text{W}$
 $\text{Limit} = 46\text{dBm} - [43 + 10 \log_{10}(39.8\text{W})] \text{dB} = -13\text{dBm}$
2. For 4x4 MIMO, ANT1 port was measured and the limit was showed $-13\text{dBm} - 10\lg(4) = -19\text{dBm}$ in order to determine the test result conveniently.
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4. All test configurations had been tested, only show the worst-case in this report.

Spurious emissions at antenna terminals

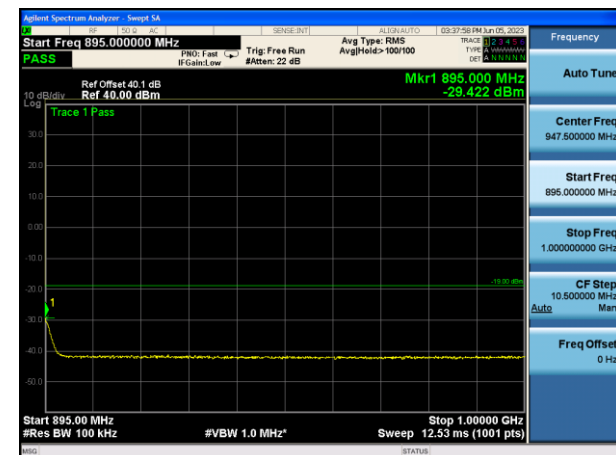
2 LTE_5+5MHz_QPSK_T (TC12)



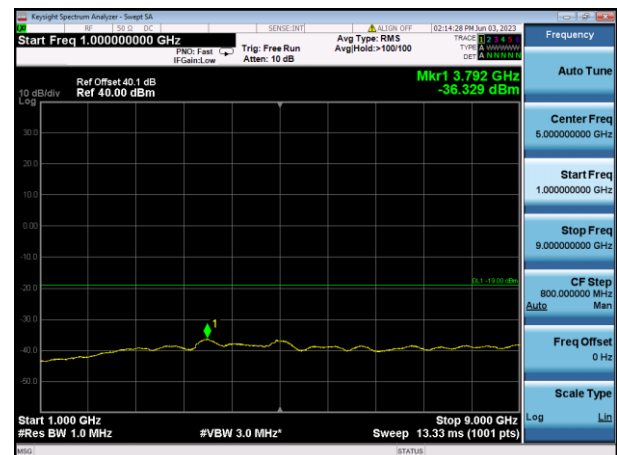
2 LTE_5+5MHz_QPSK_T (TC12)



2 LTE_5+5MHz_QPSK_T (TC12)



2 LTE_5+5MHz_QPSK_T (TC12)

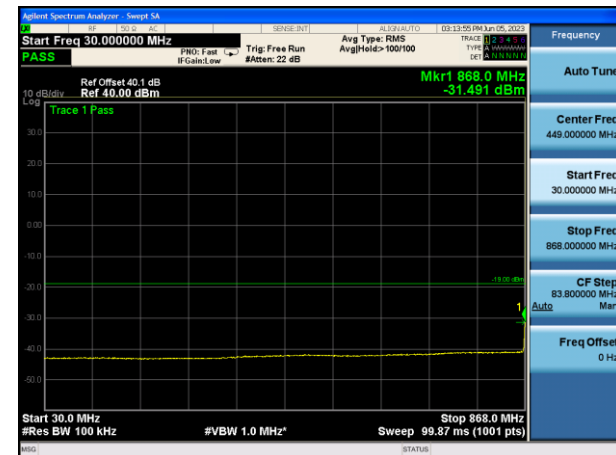


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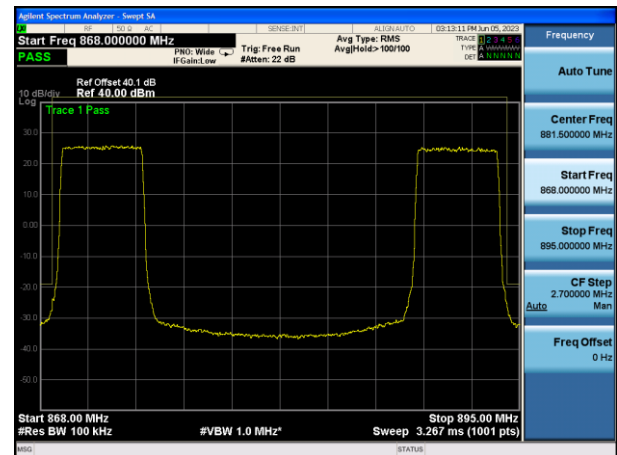
1. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB,
 $P = 46\text{dBm} = 39.8\text{W}$
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4. All test configurations had been tested, only show the worst-case in this report.

Spurious emissions at antenna terminals

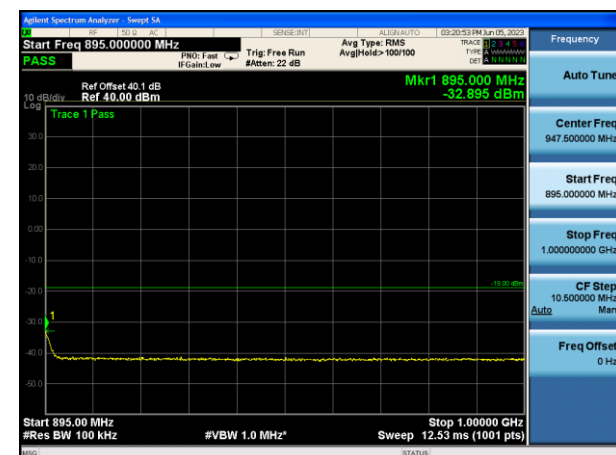
2 LTE_5+5MHz_QPSK (TC15)



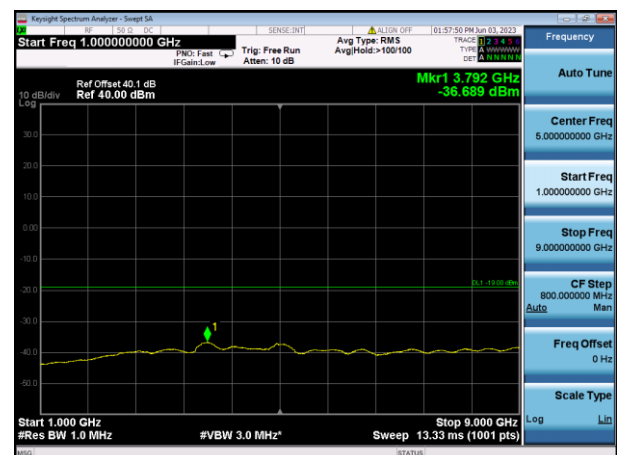
2 LTE_5+5MHz_QPSK (TC15)



2 LTE_5+5MHz_QPSK (TC15)



2 LTE_5+5MHz_QPSK (TC15)

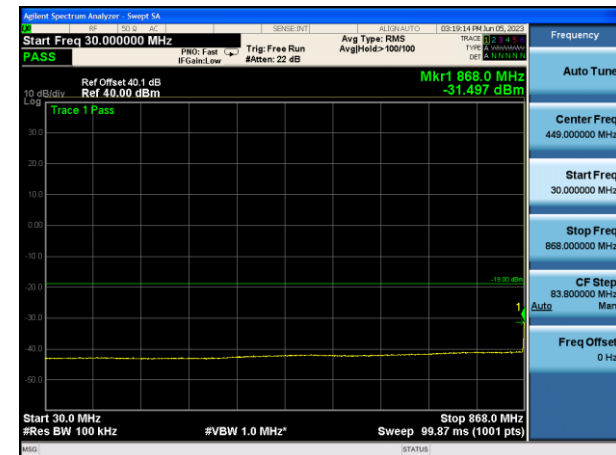


Remark:

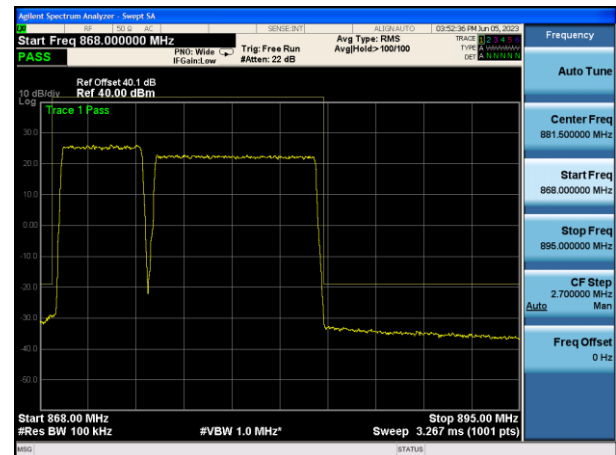
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Spurious emissions at antenna terminals

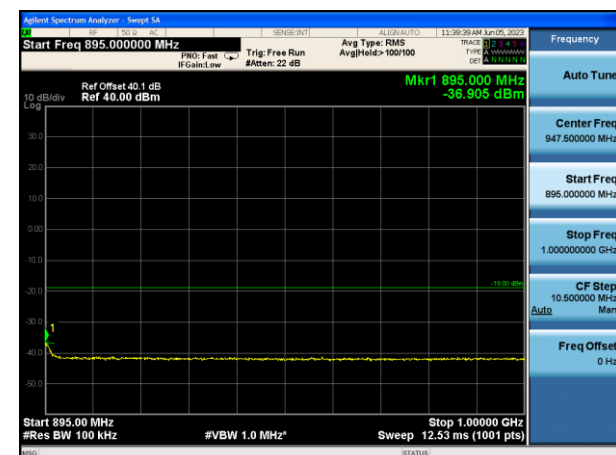
2 LTE_5+10MHz_QPSK_B (TC18)



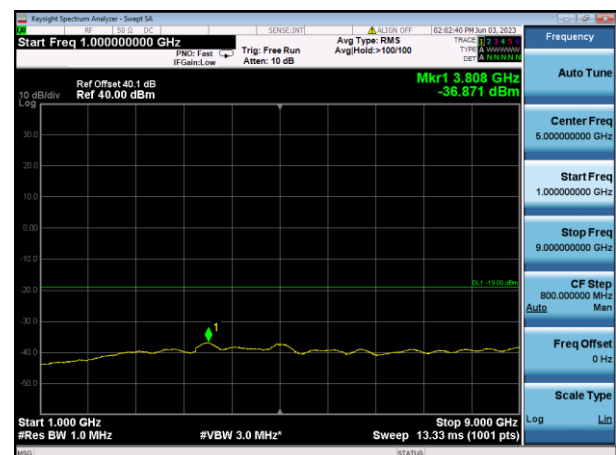
2 LTE_5+10MHz_QPSK_B (TC18)



2 LTE_5+10MHz_QPSK_B (TC18)



2 LTE_5+10MHz_QPSK_B (TC18)



Remark:

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