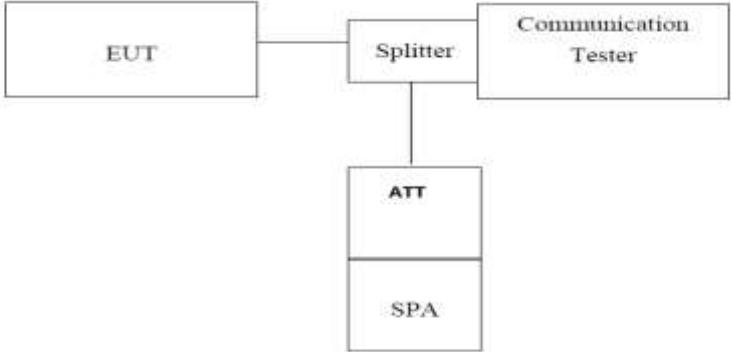


## 6.8 Modulation Characteristic

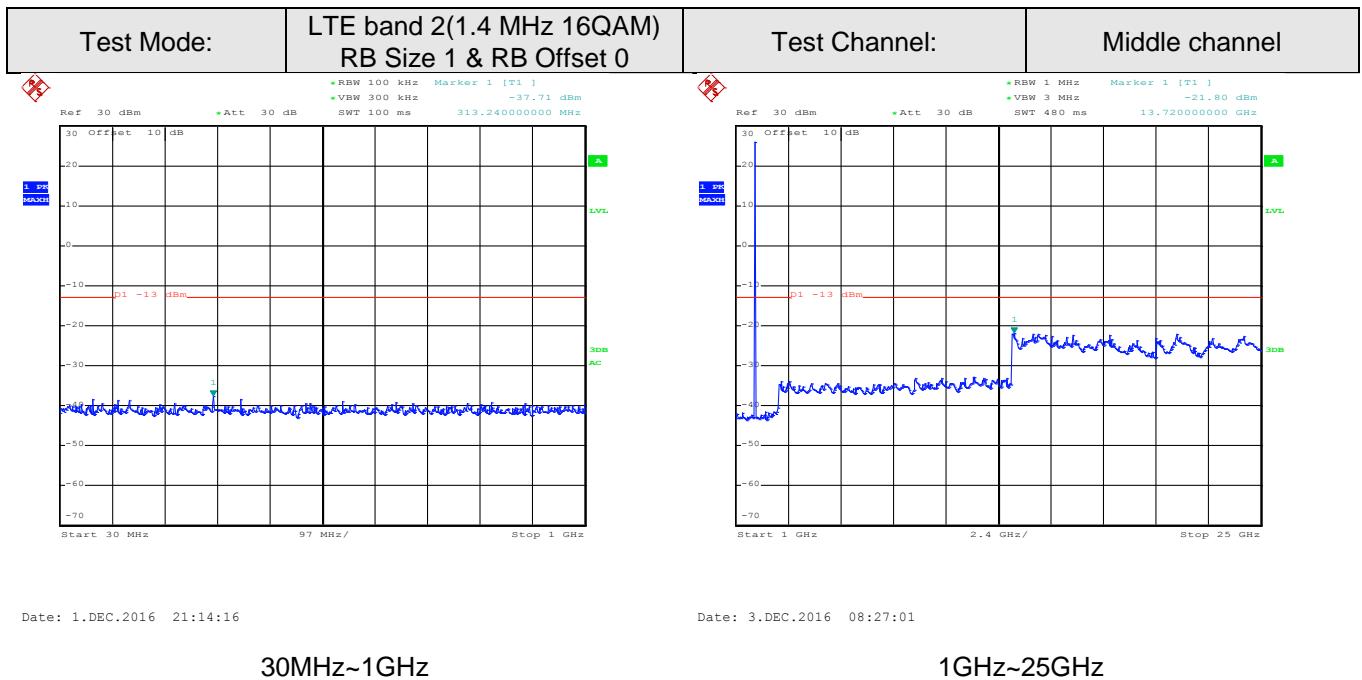
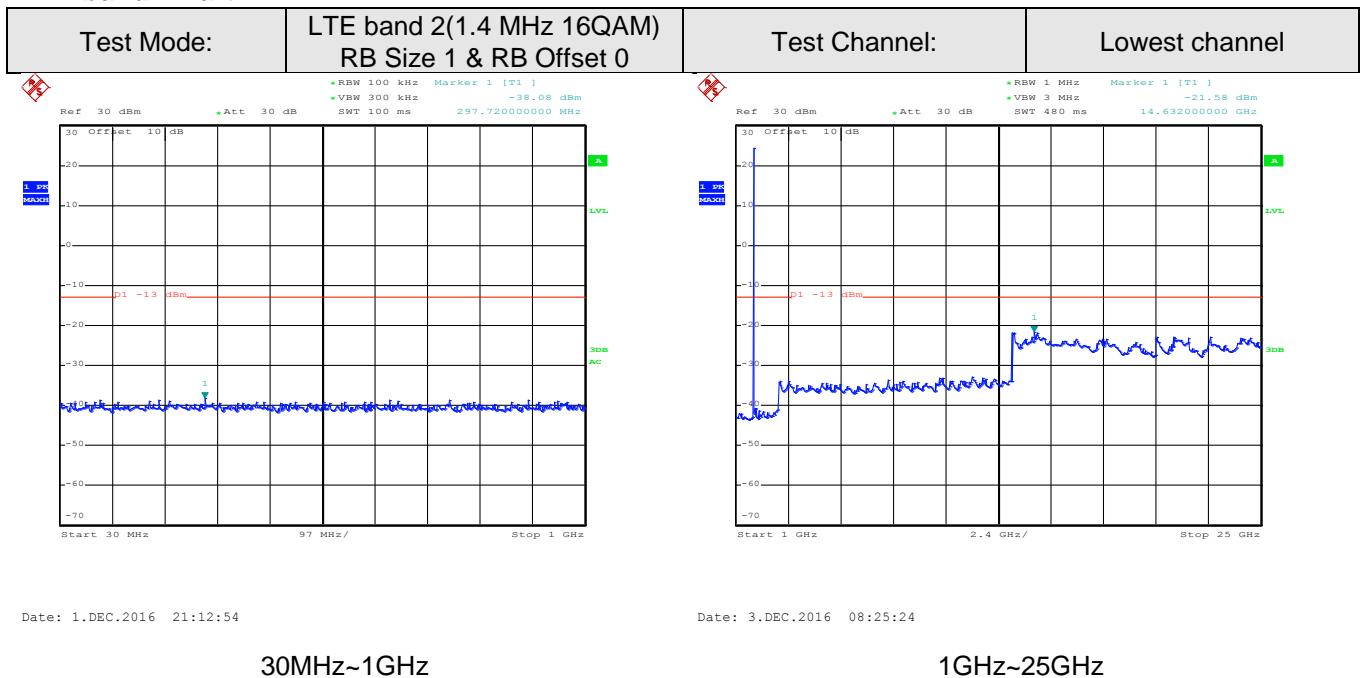
According to FCC § 2.1047(d), Part 24E & 27H & 27L & 27M there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

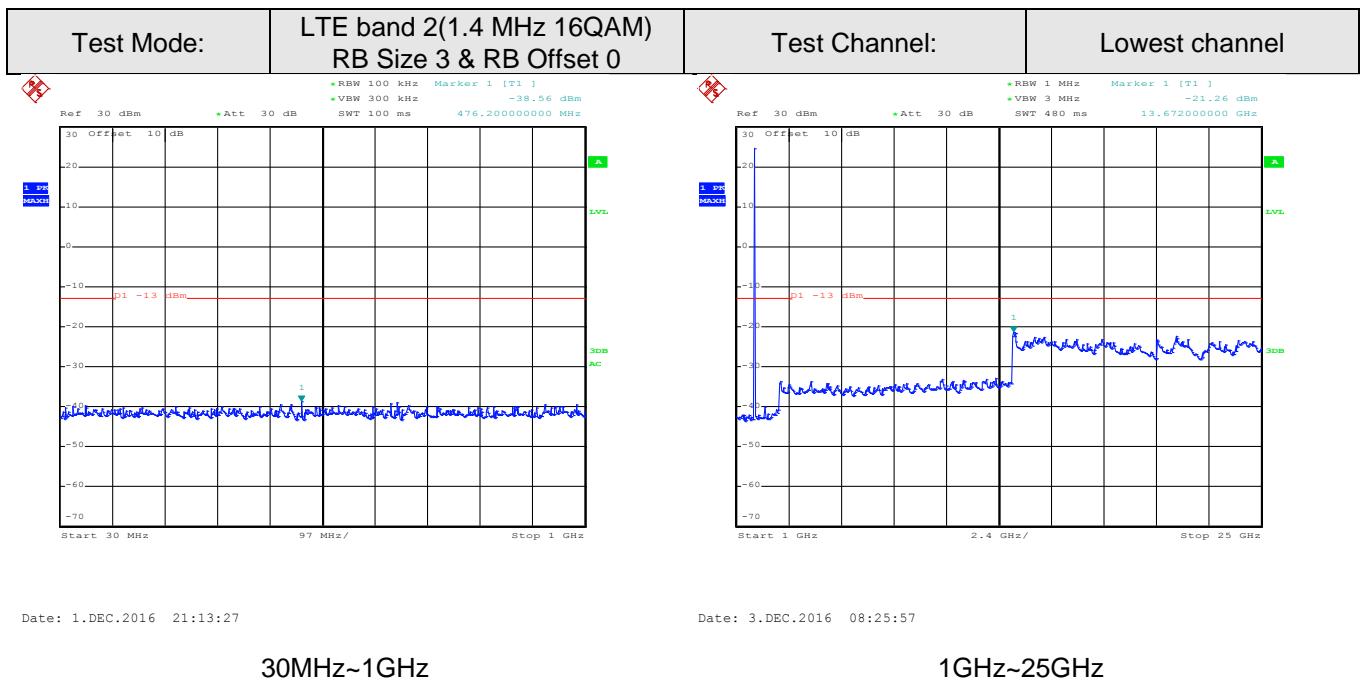
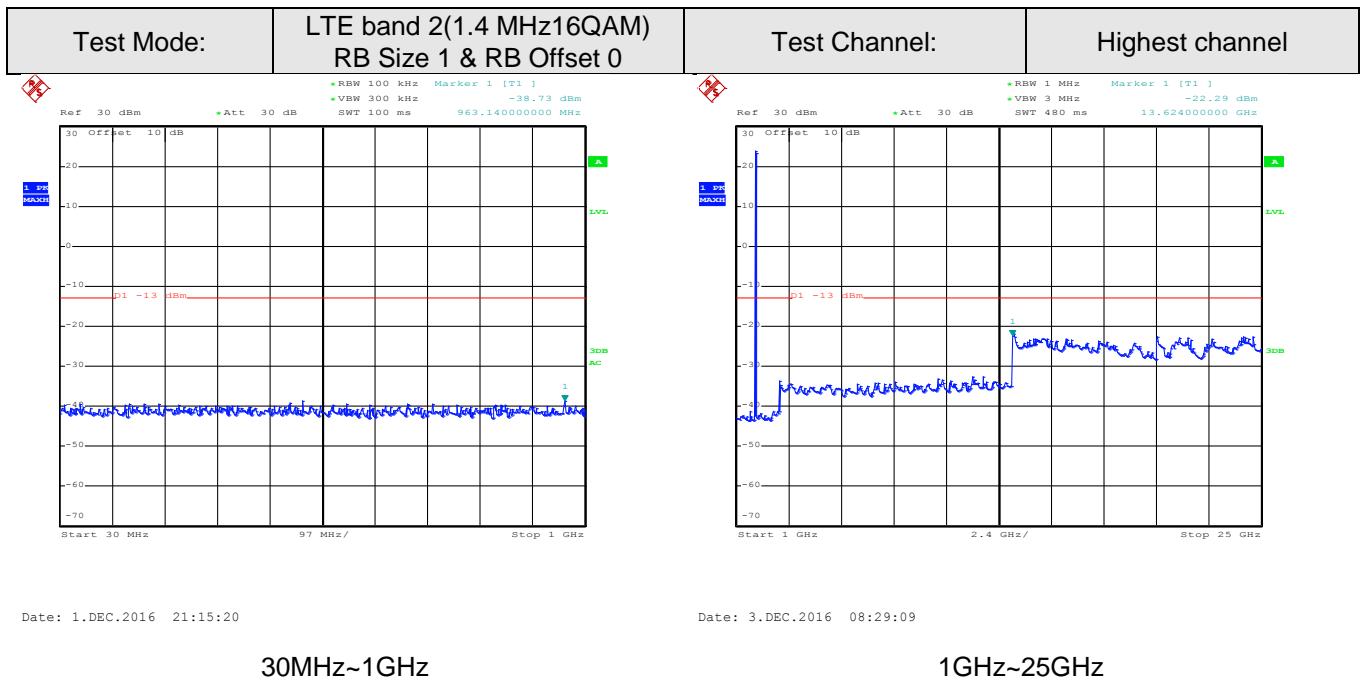
## 6.9 Out of band emission at antenna terminals

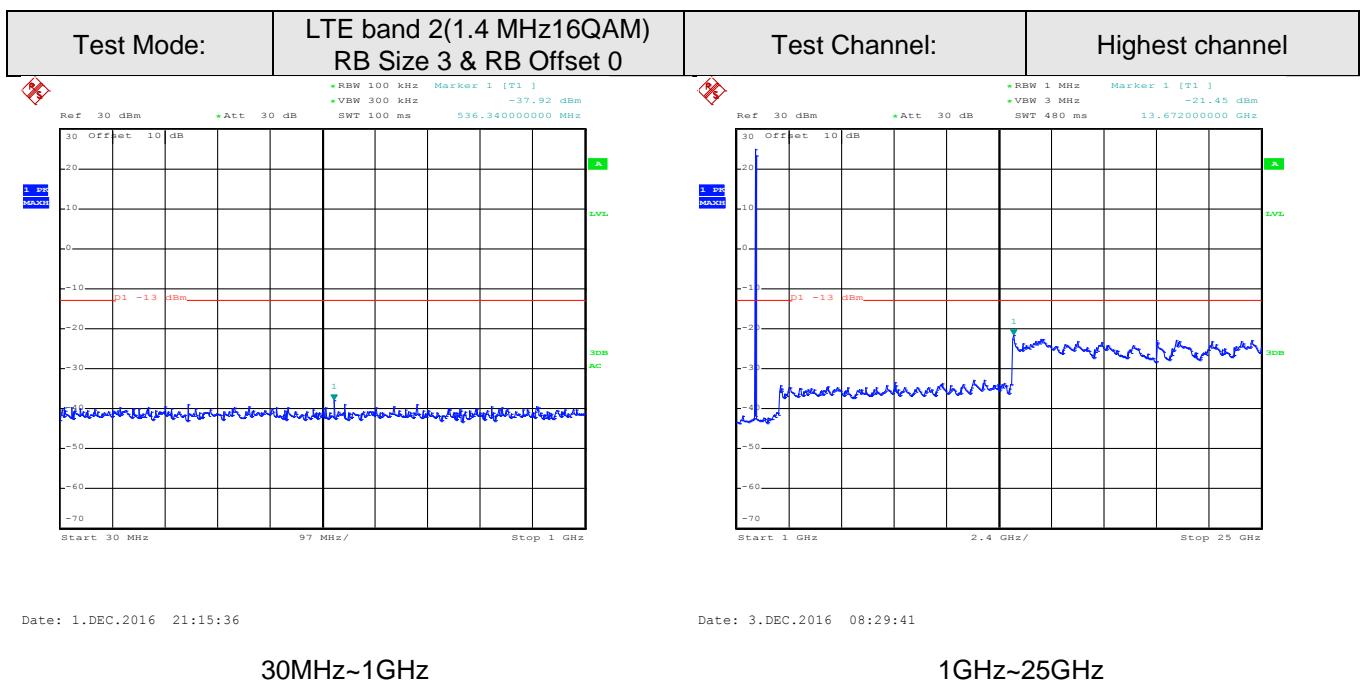
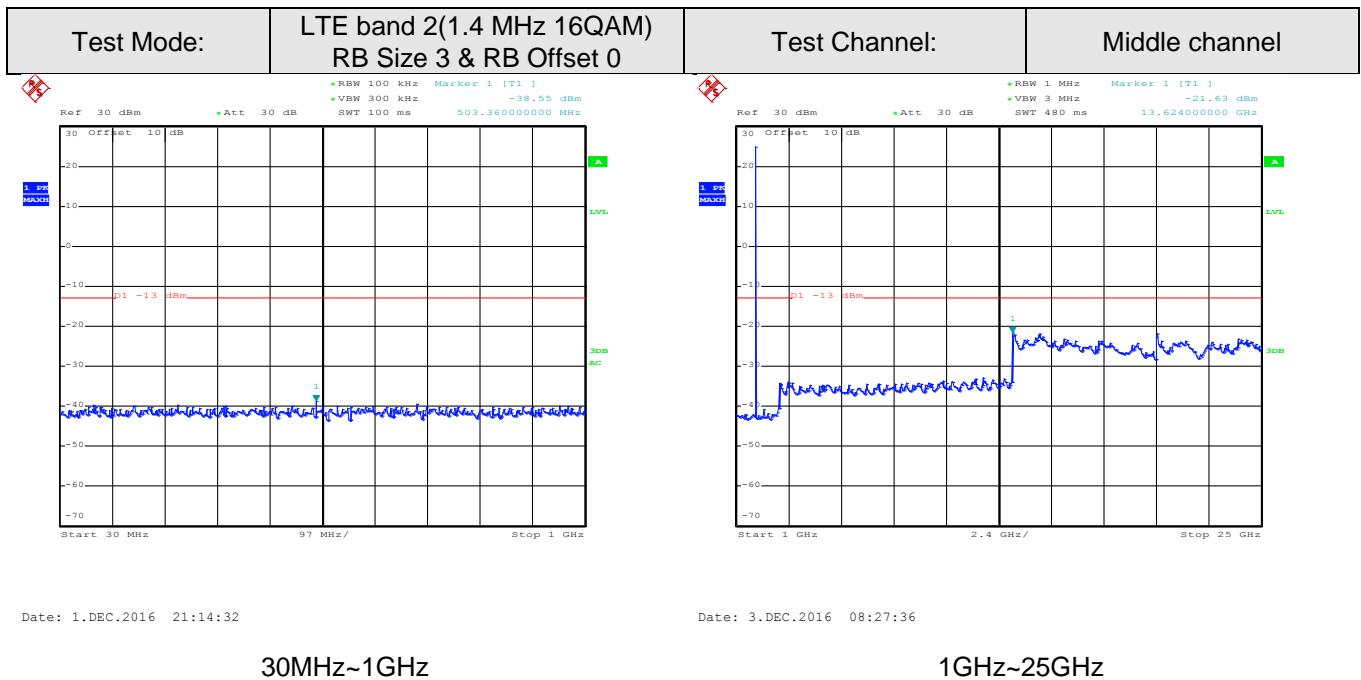
Test Requirement:	FCC Part 24.238 (a), part 27.53(g), part 27.53(h), Part 27.53(m)
Test Method:	FCC part2.1051
Limit:	Band2, Band4, Band5, Band12, Band17: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB (-13 dBm). Band7: 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 paragraph (m)(6) of this section. 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.
Test setup:	 <p><i>Note: Measurement setup for testing on Antenna connector</i></p>
Test Procedure:	<ol style="list-style-type: none"> <li>The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.</li> <li>The resolution bandwidth of the spectrum analyzer was set at 100 kHz when below 1GHz, 1MHz when above 1 GHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.</li> <li>For the out of band: Set the RBW=100 kHz, VBW=300 kHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic.</li> <li>Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.</li> </ol>
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

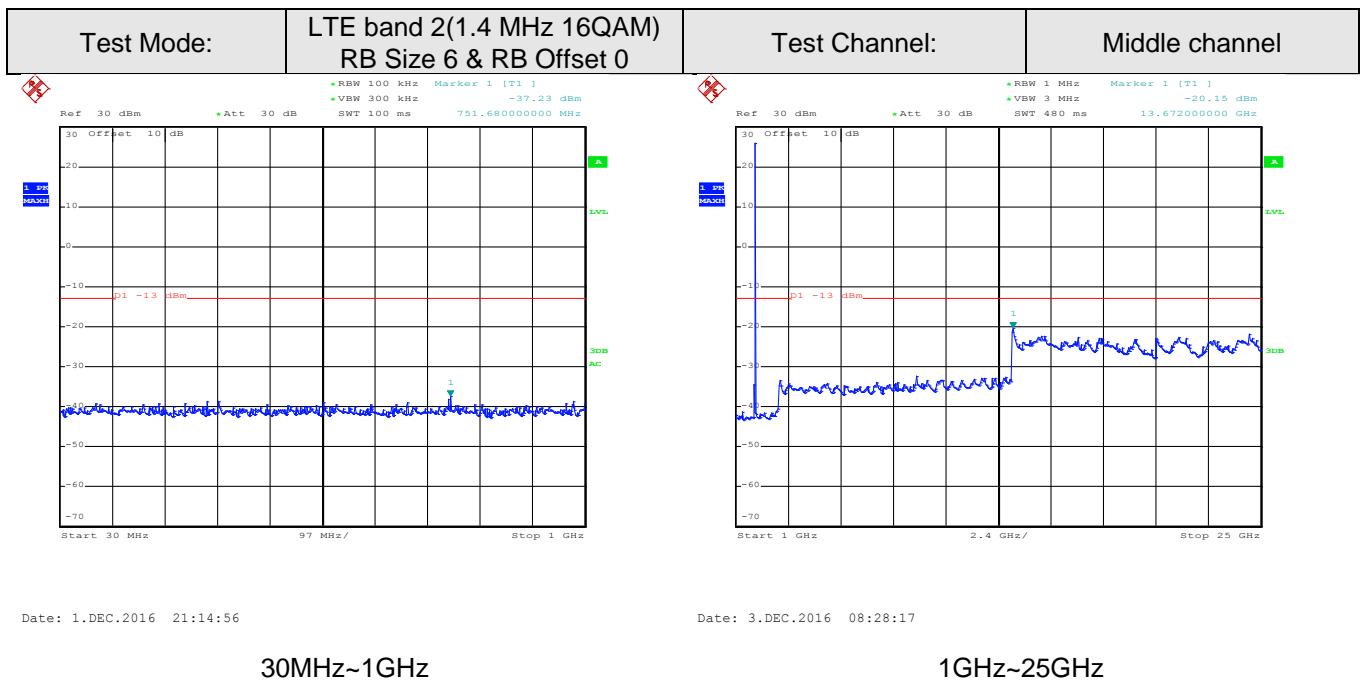
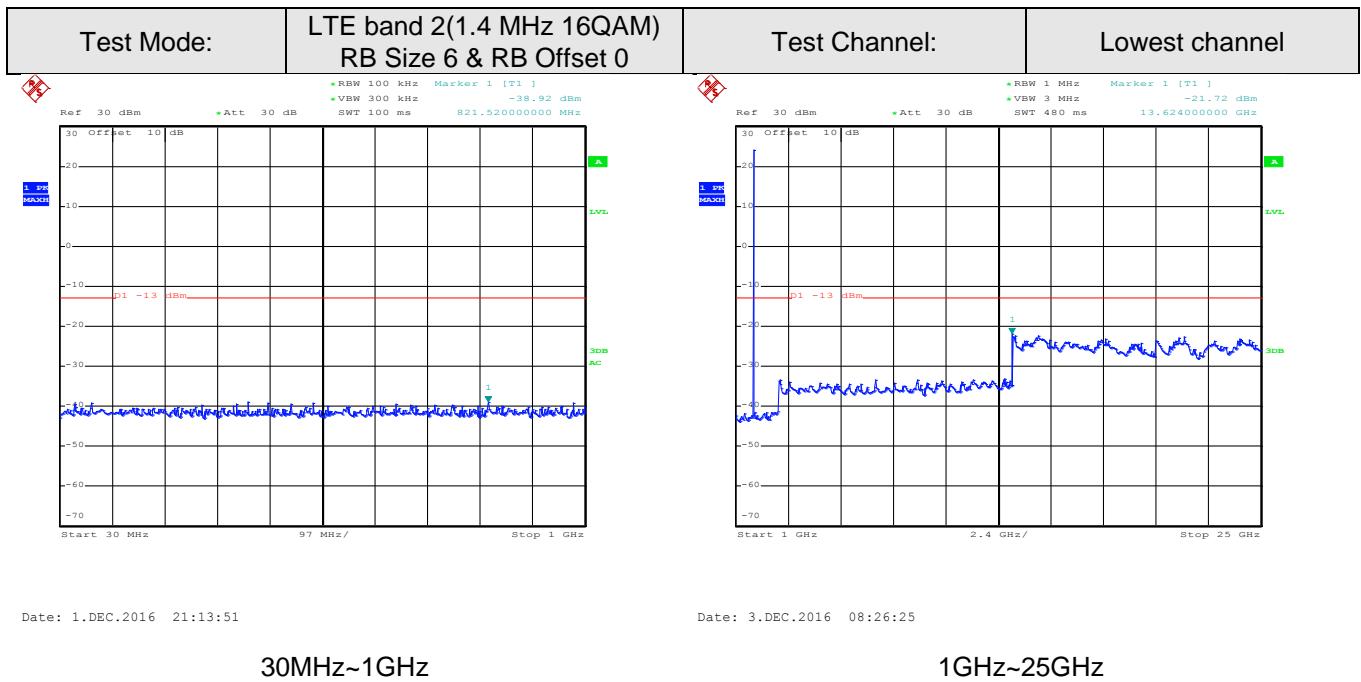
Test plots as follows:

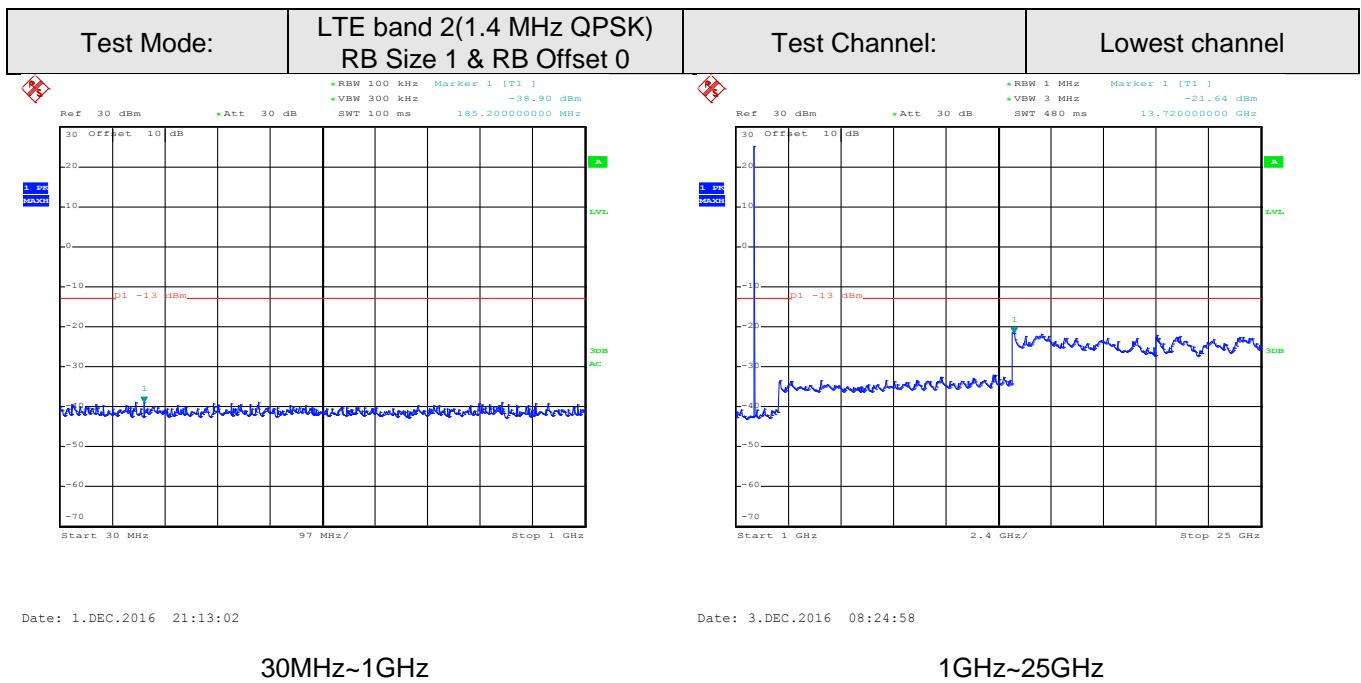
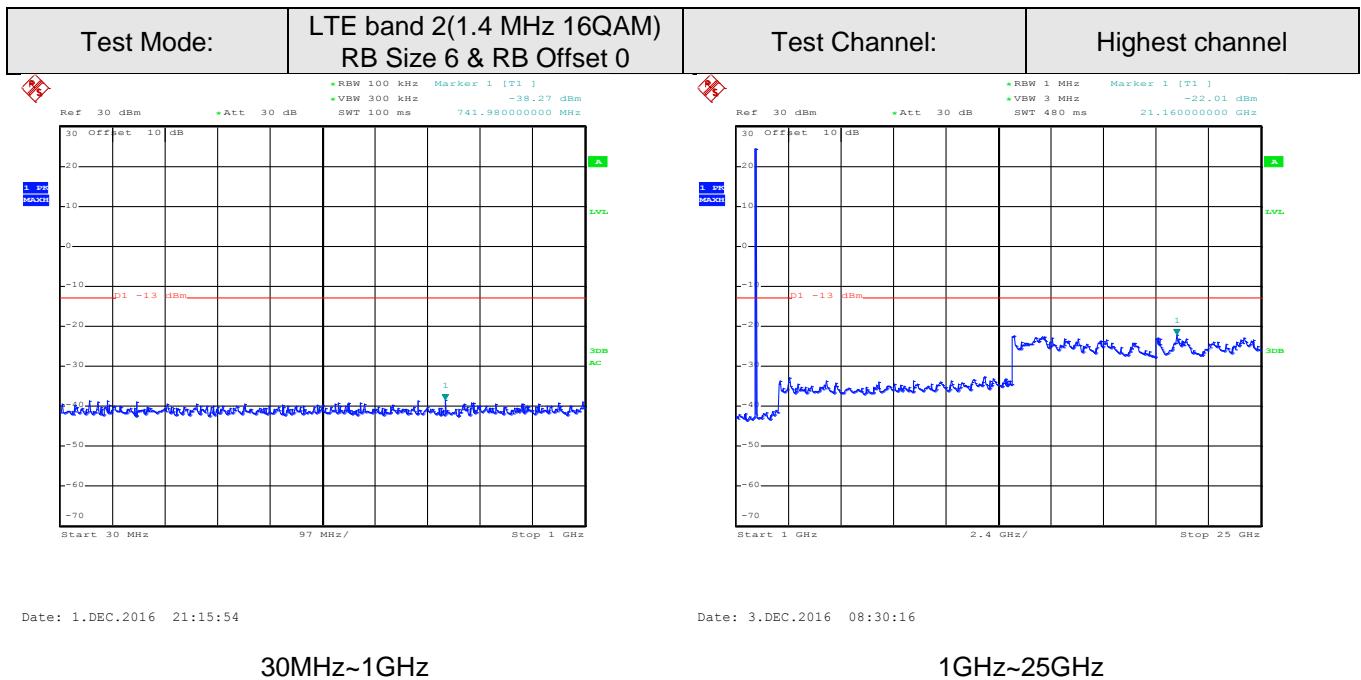
**Spurious emission  
LTE band 2 Part: 1.4MHz**

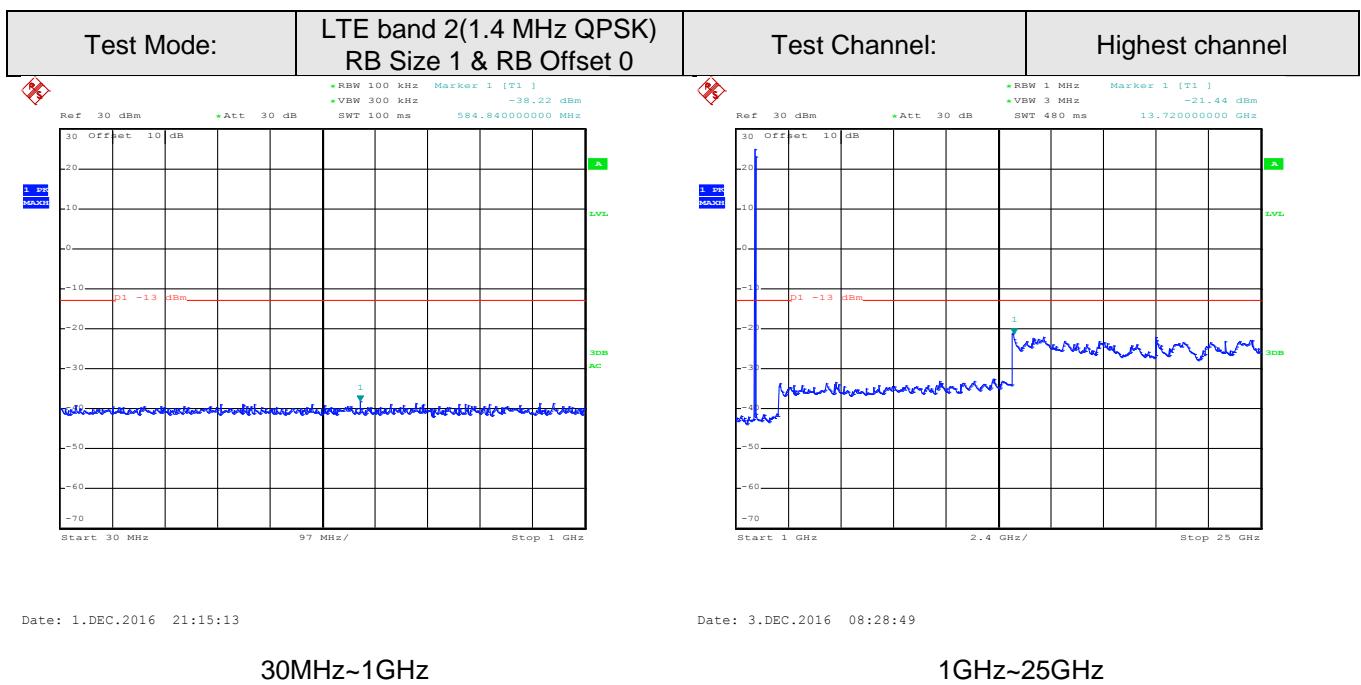
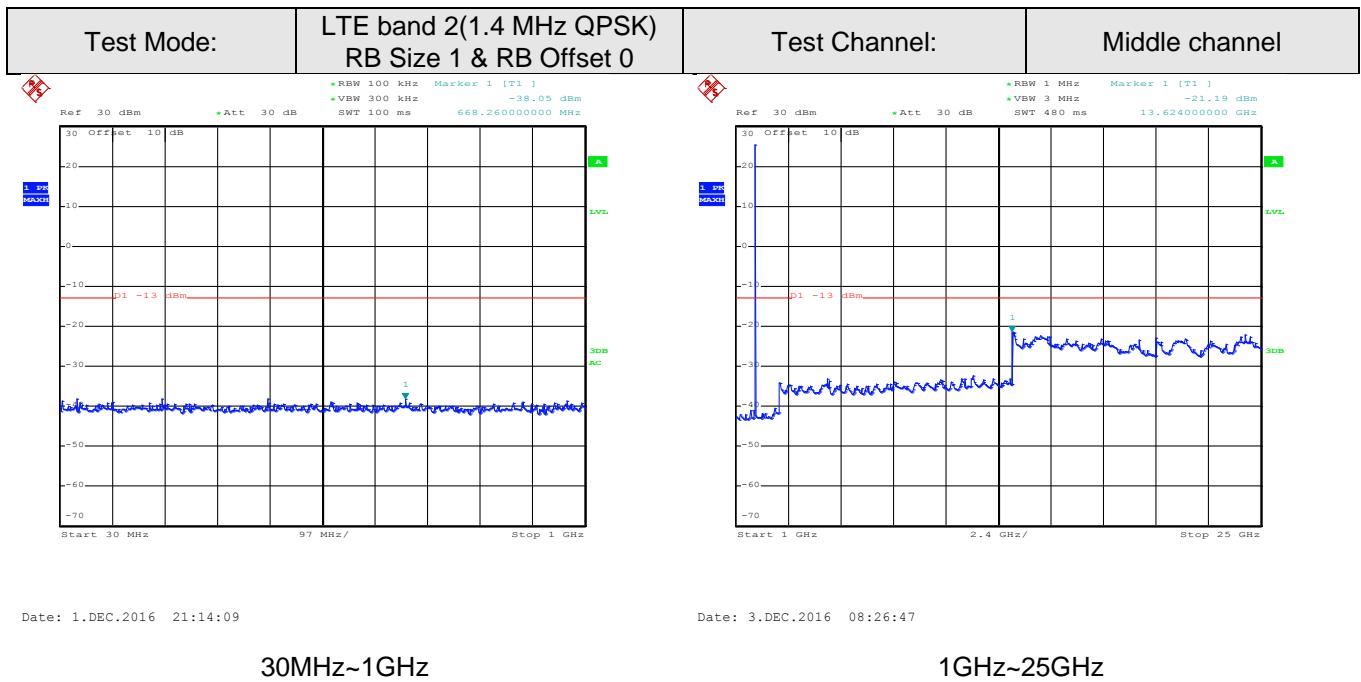


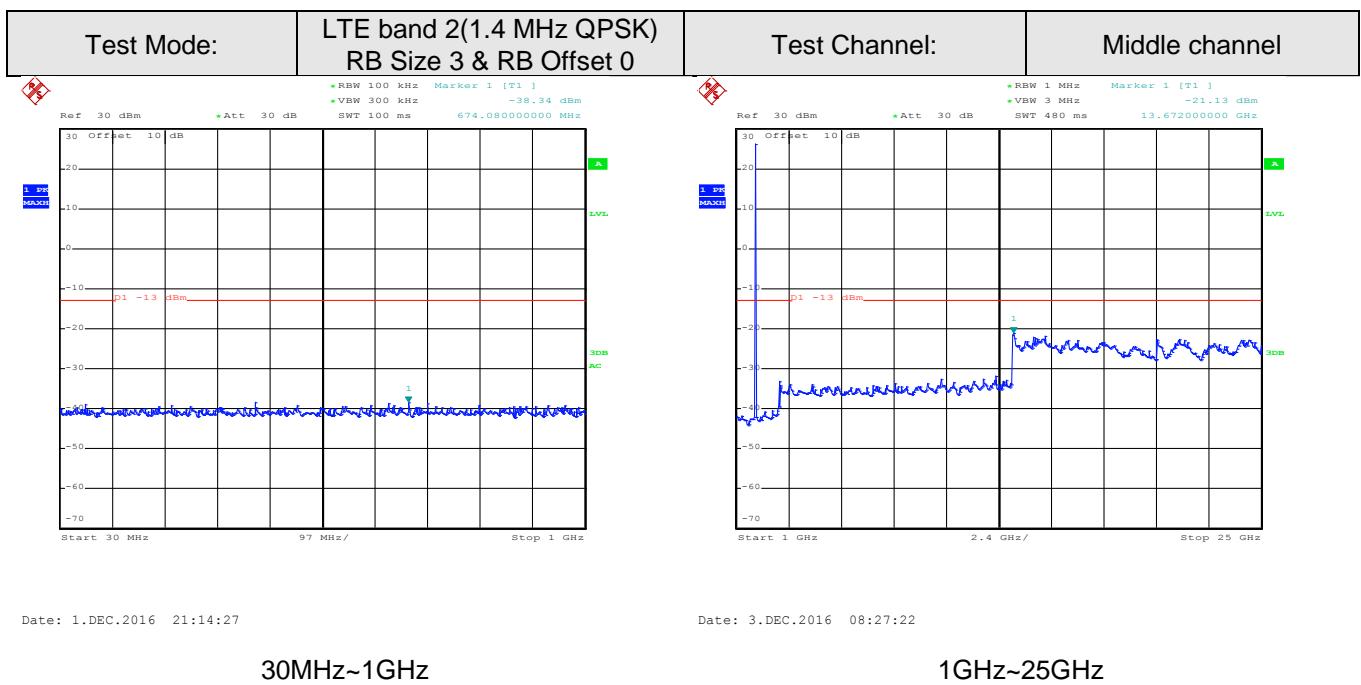
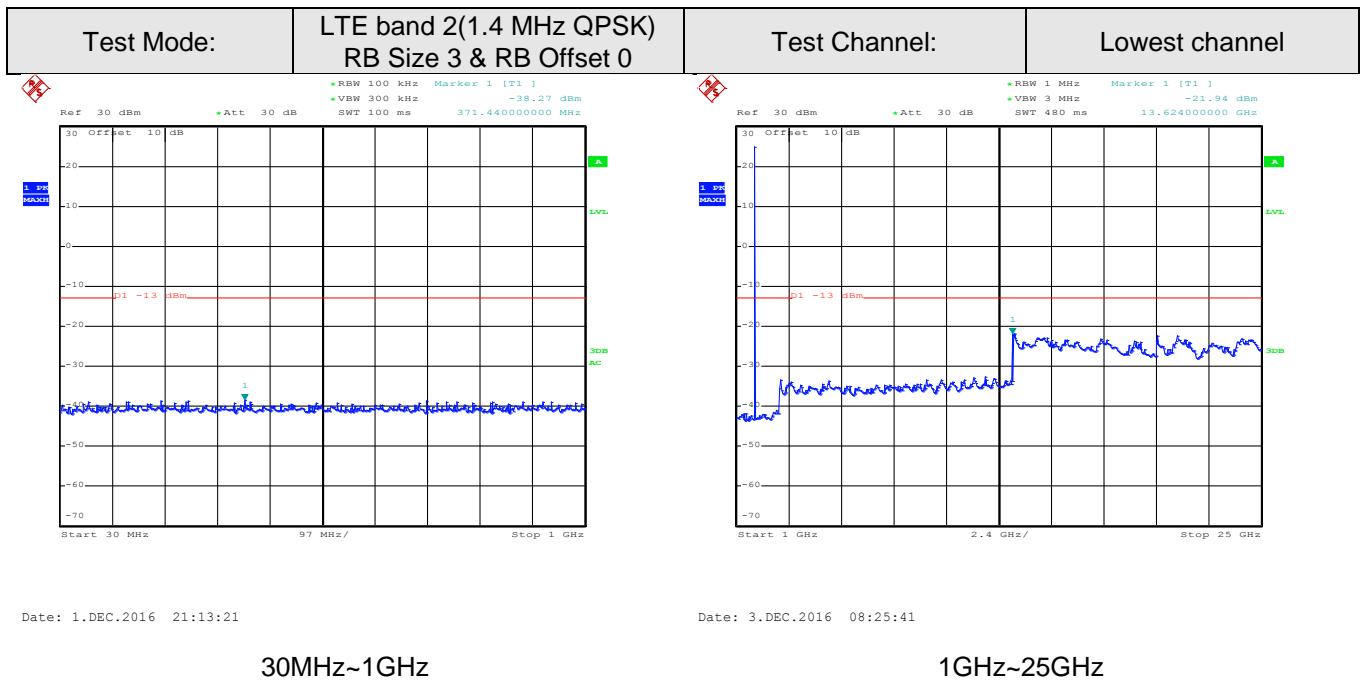


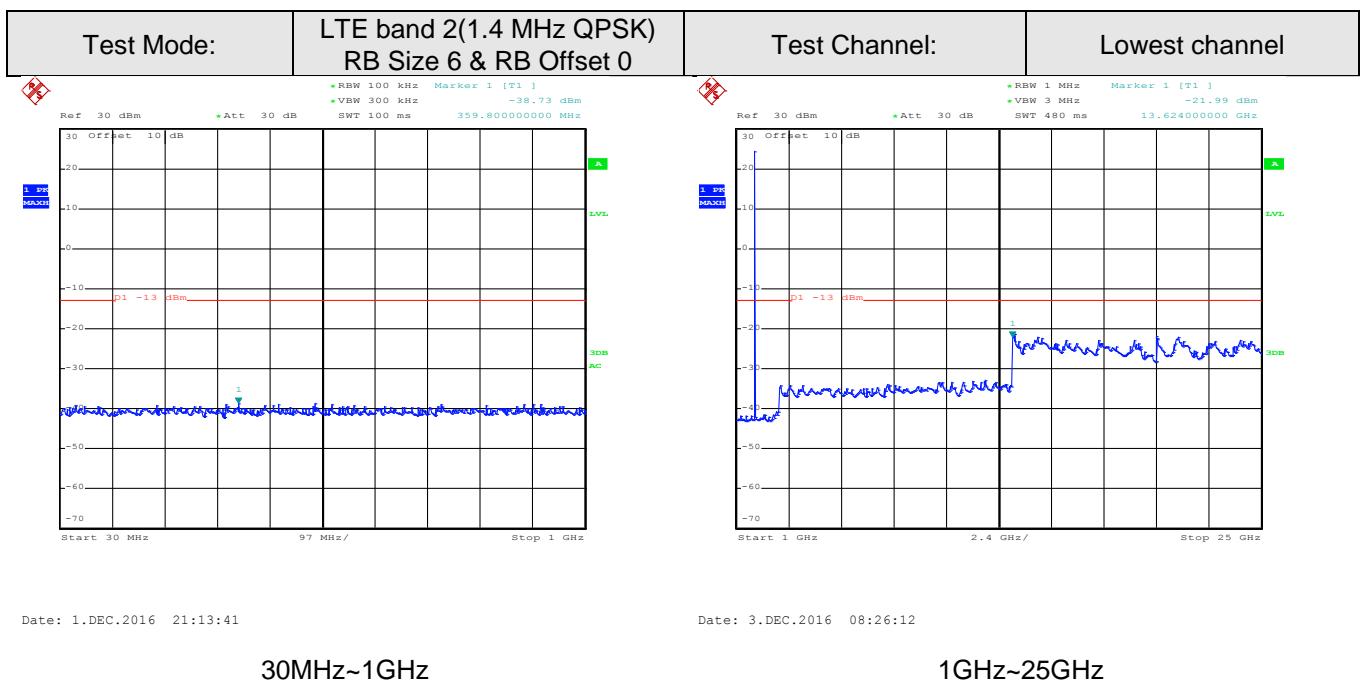
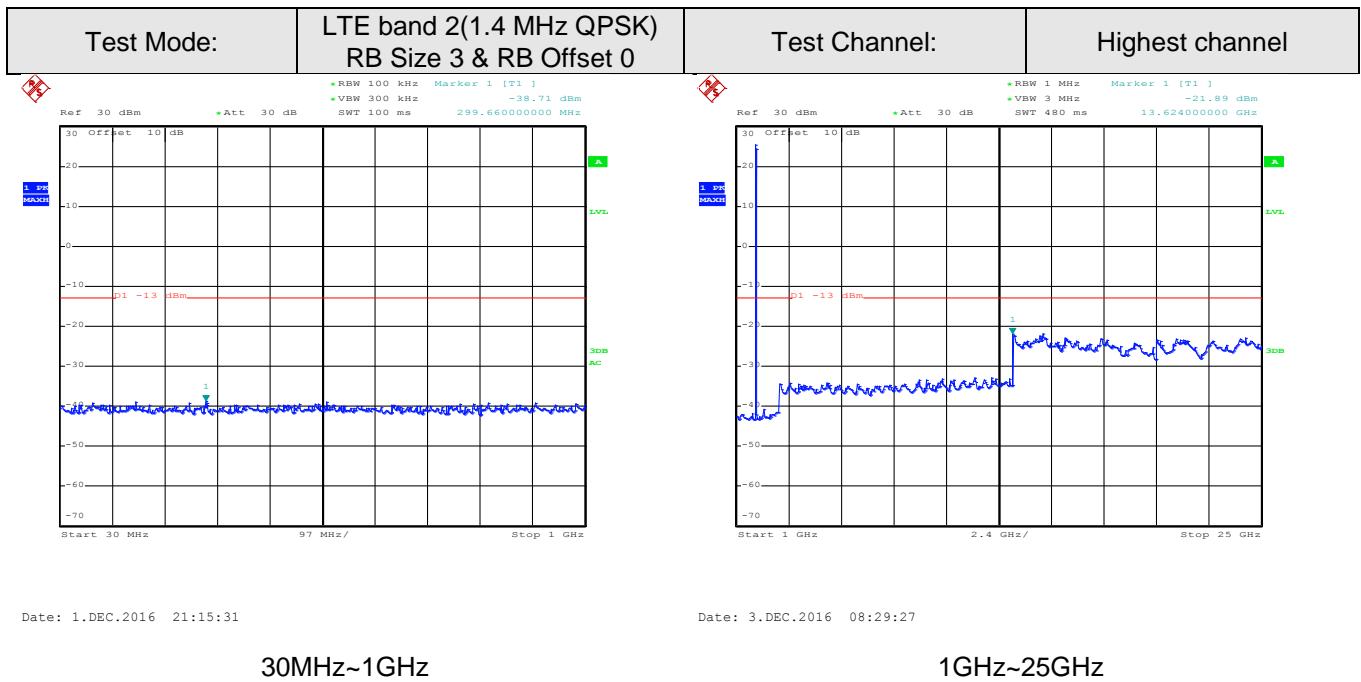


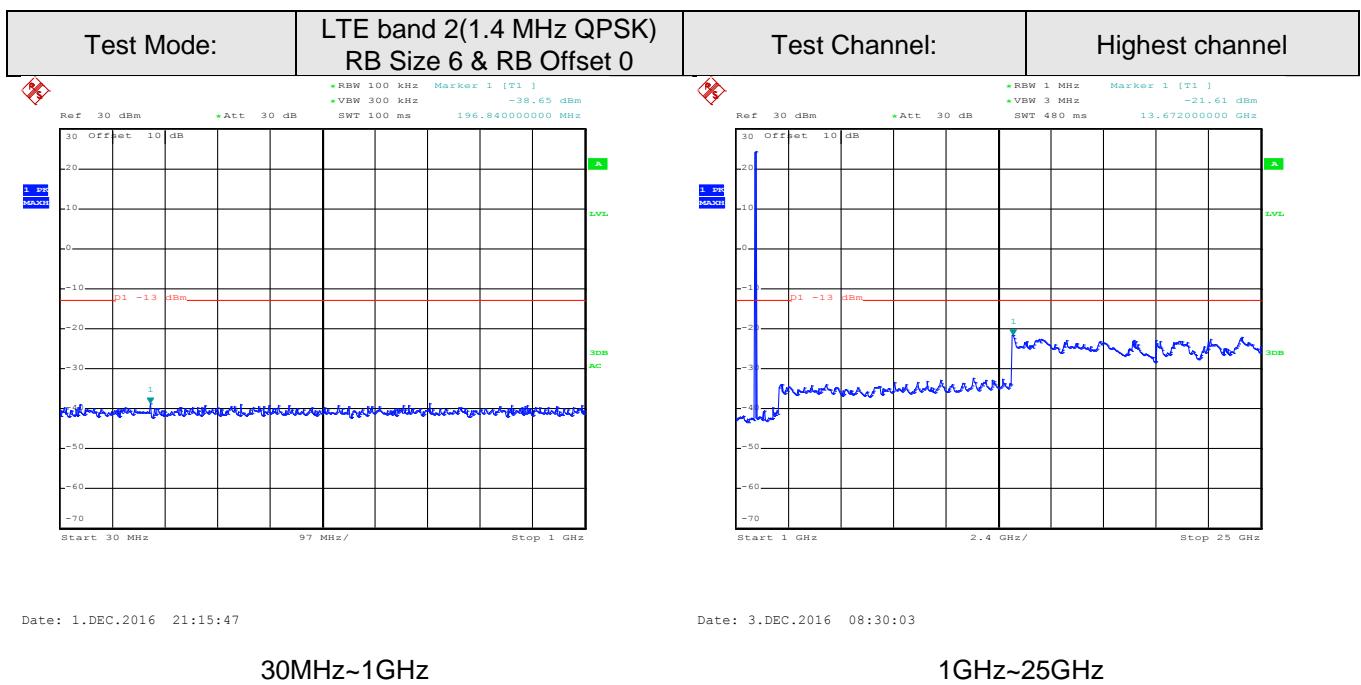
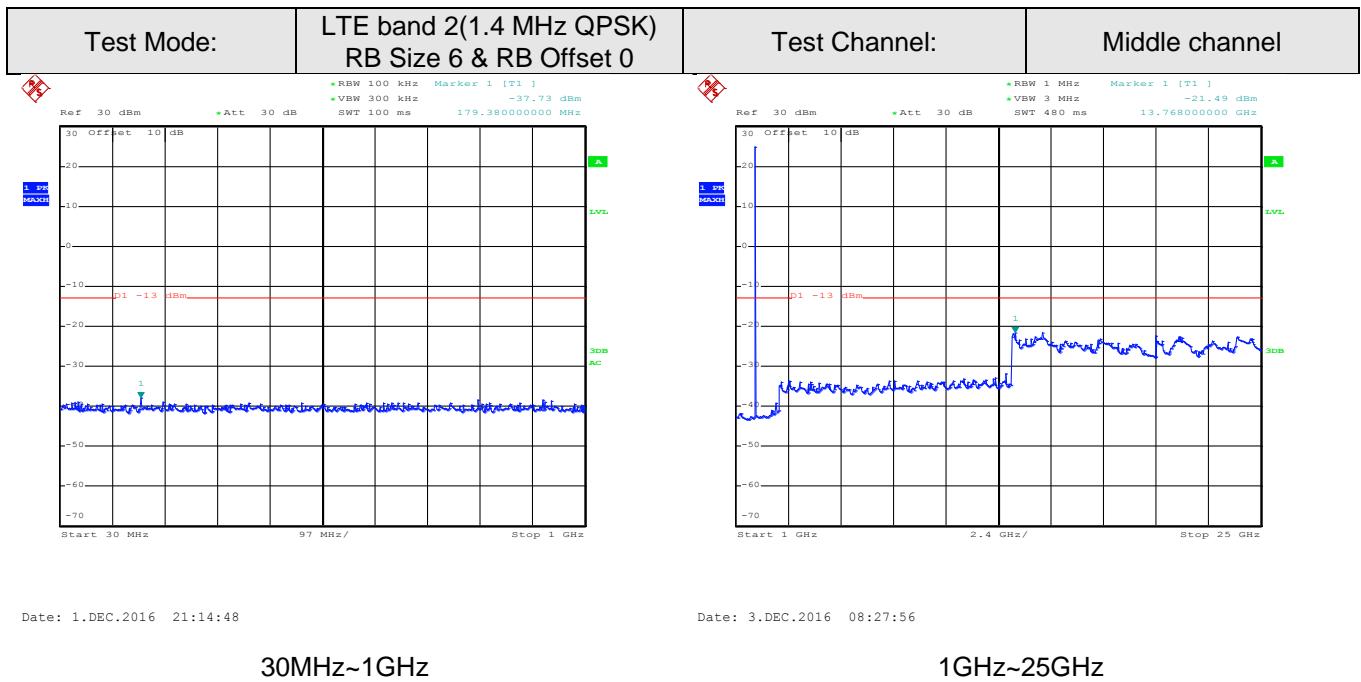




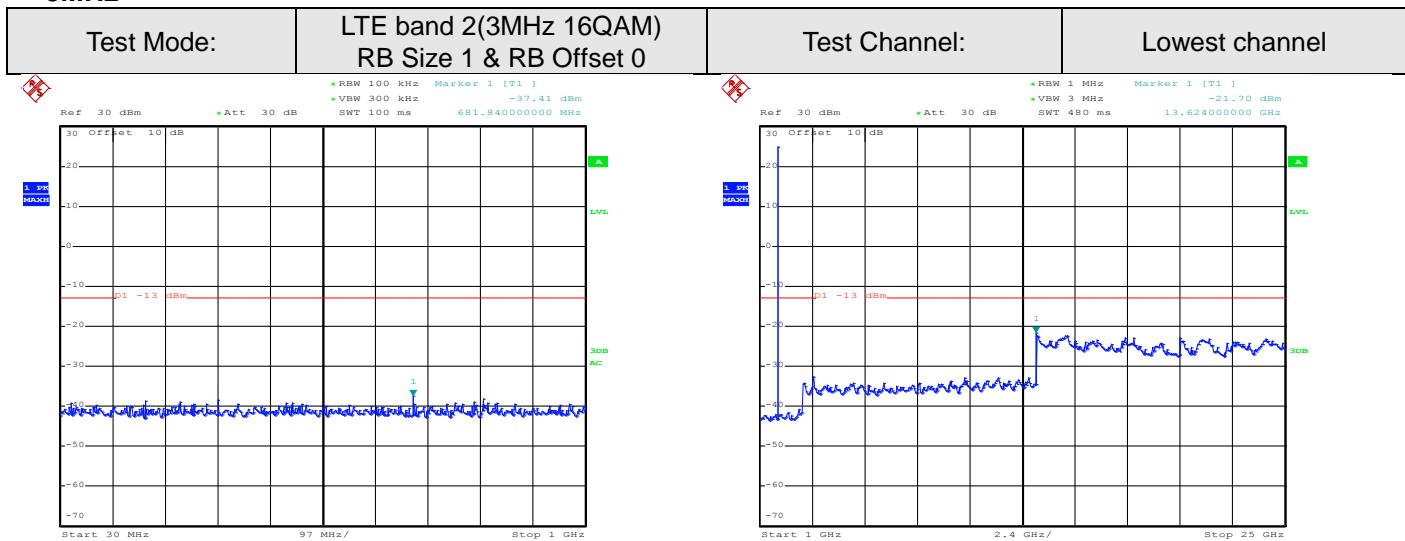








## 3MHz

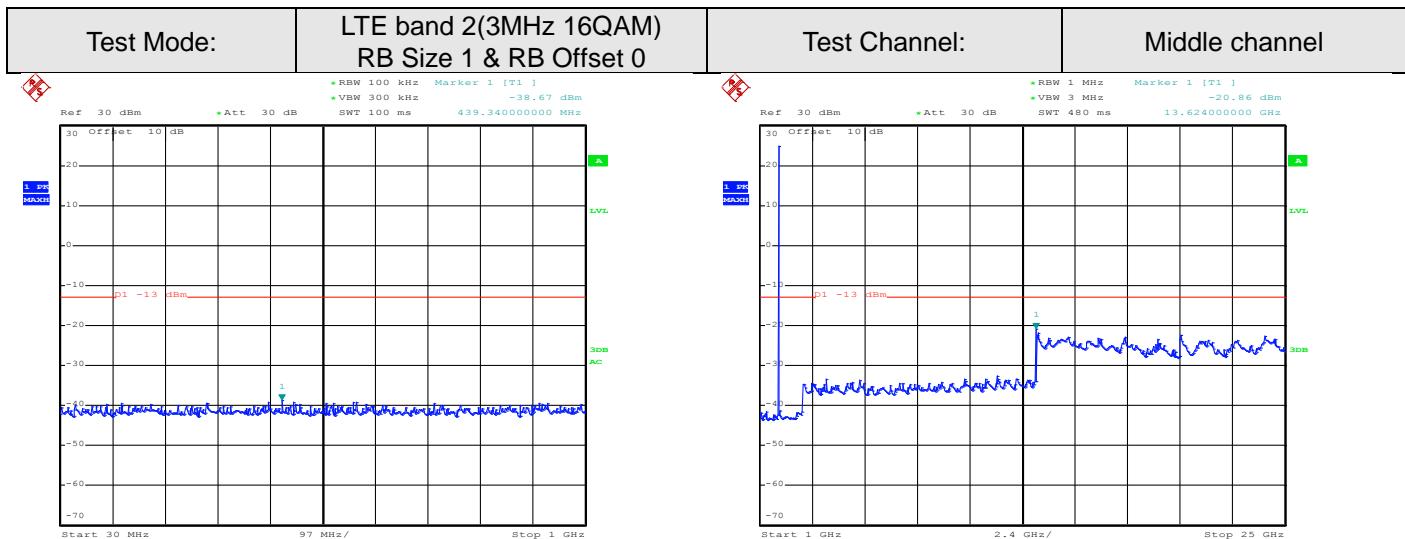


Date: 1.DEC.2016 21:17:01

30MHz~1GHz

Date: 3.DEC.2016 08:31:33

1GHz~25GHz

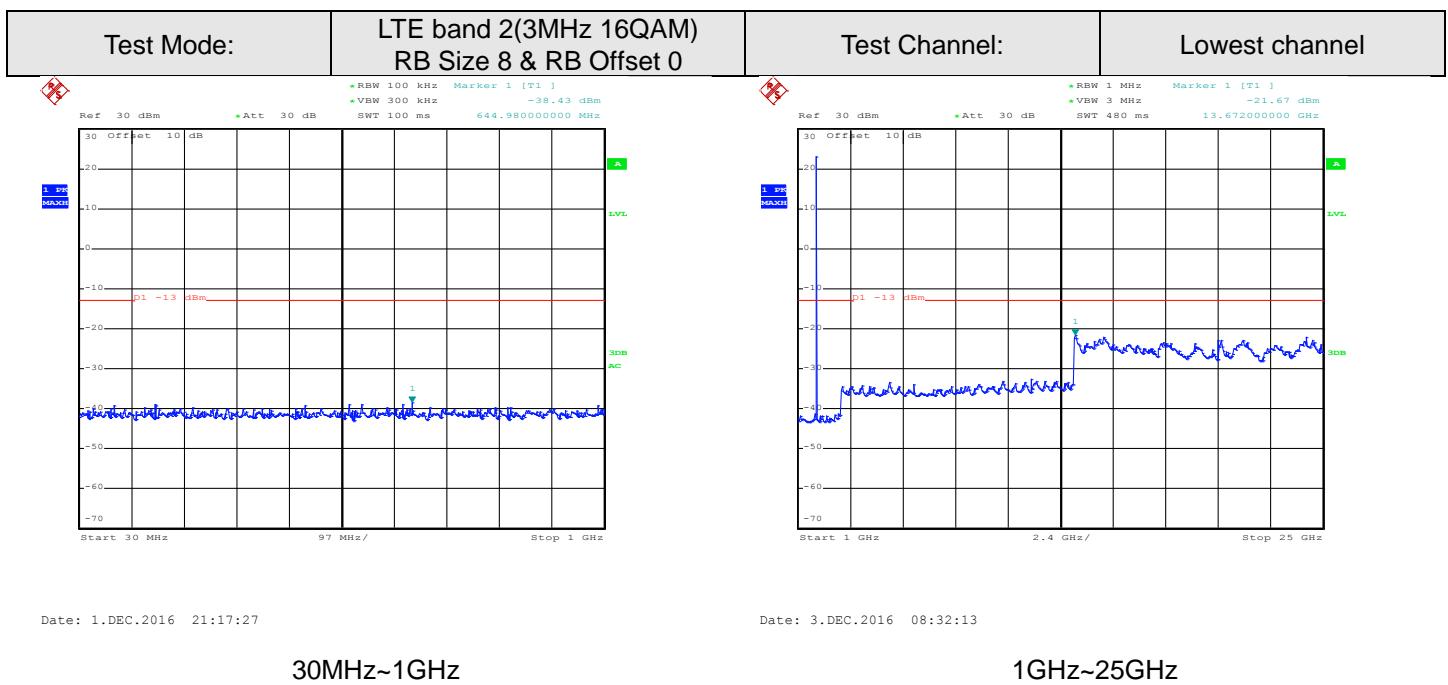
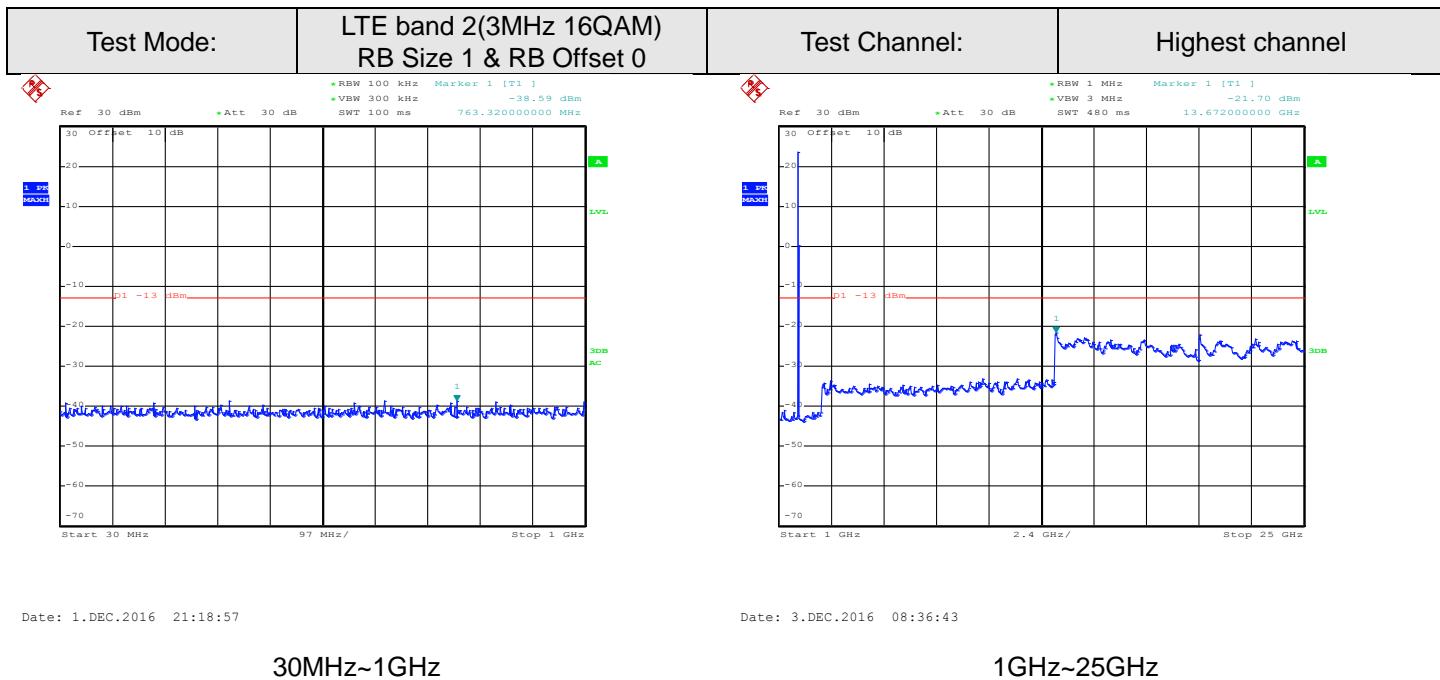


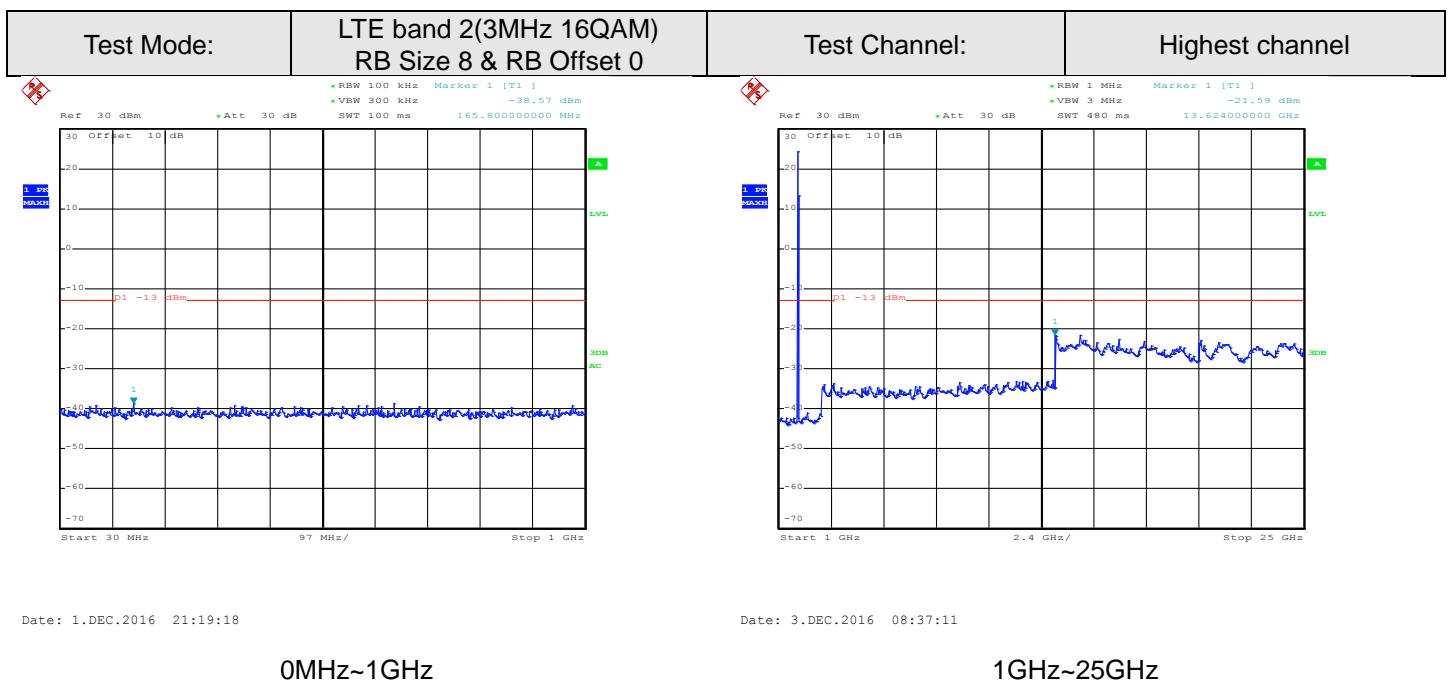
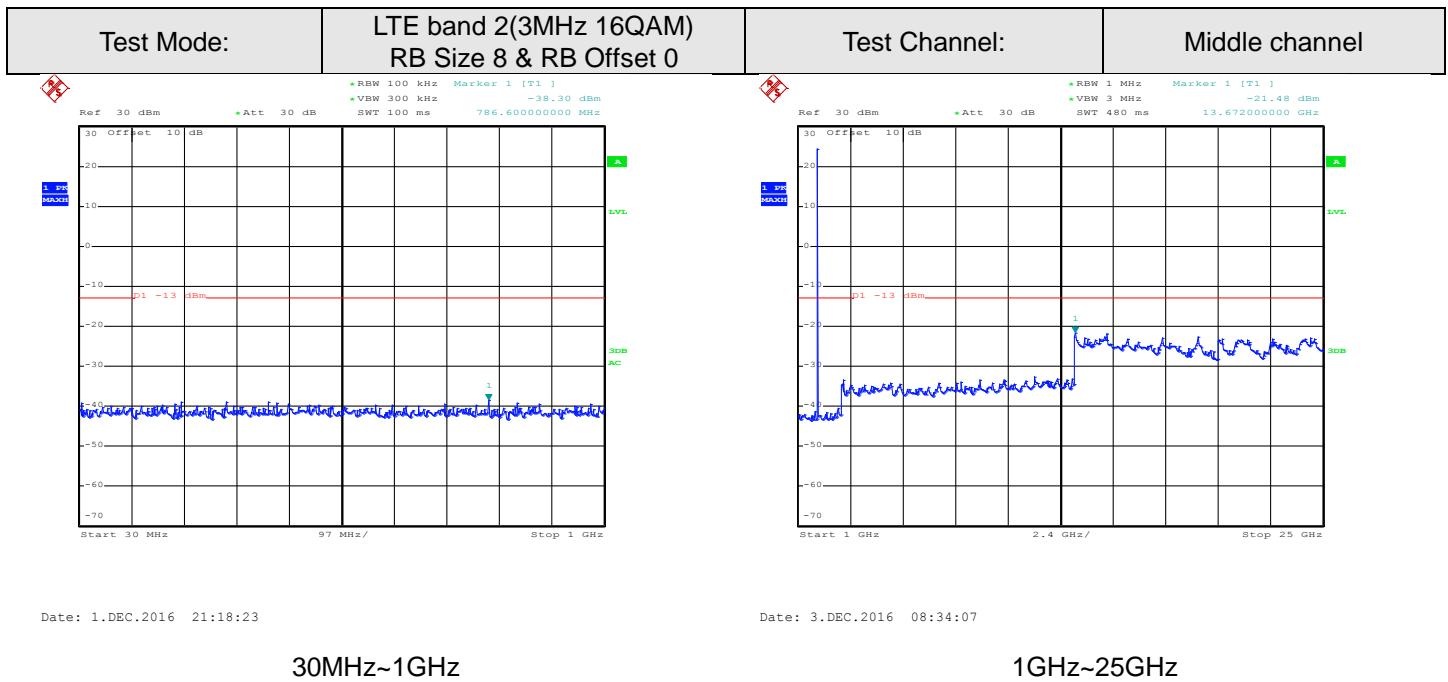
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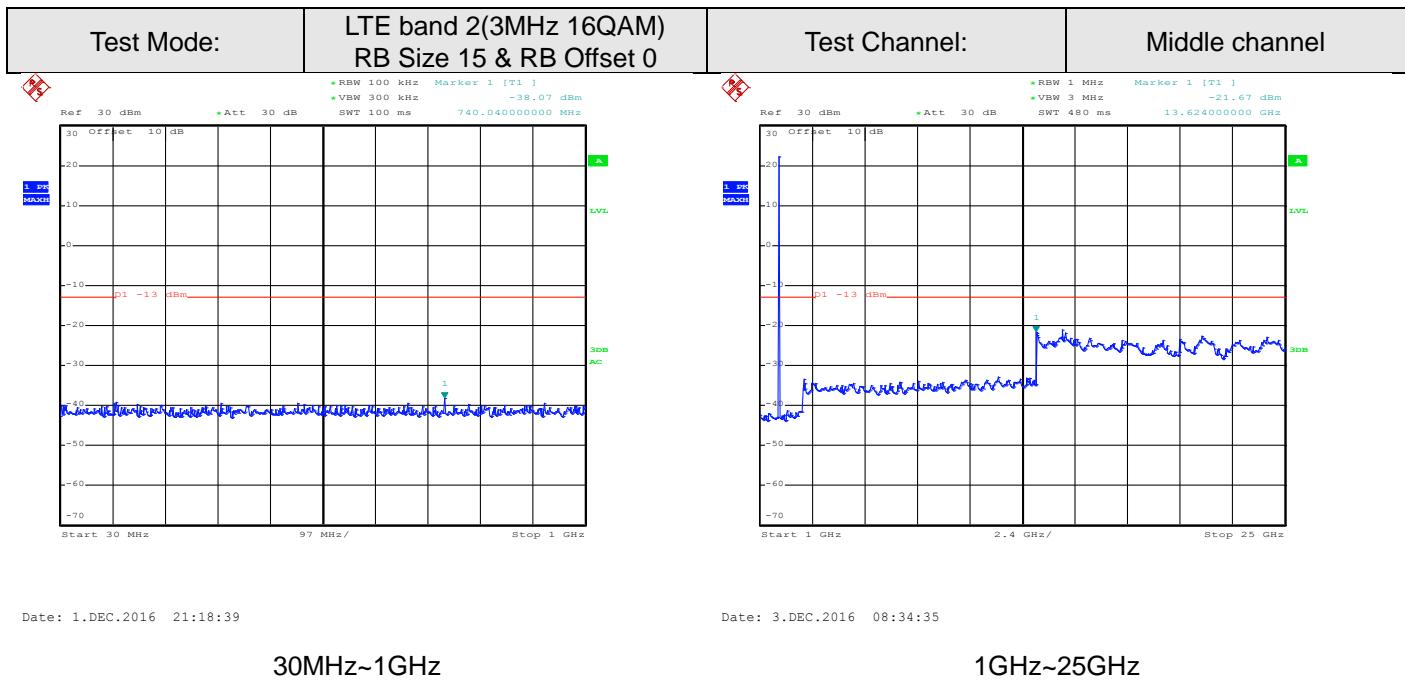
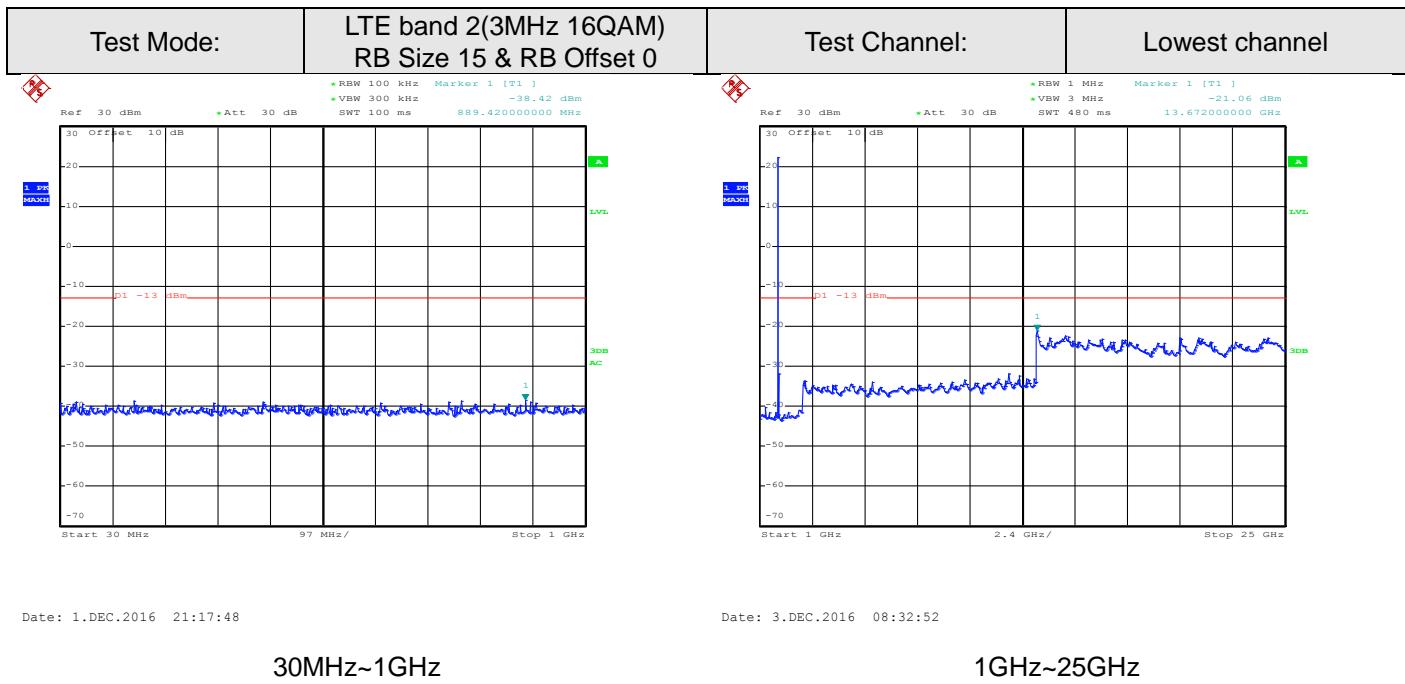
30MHz~1GHz

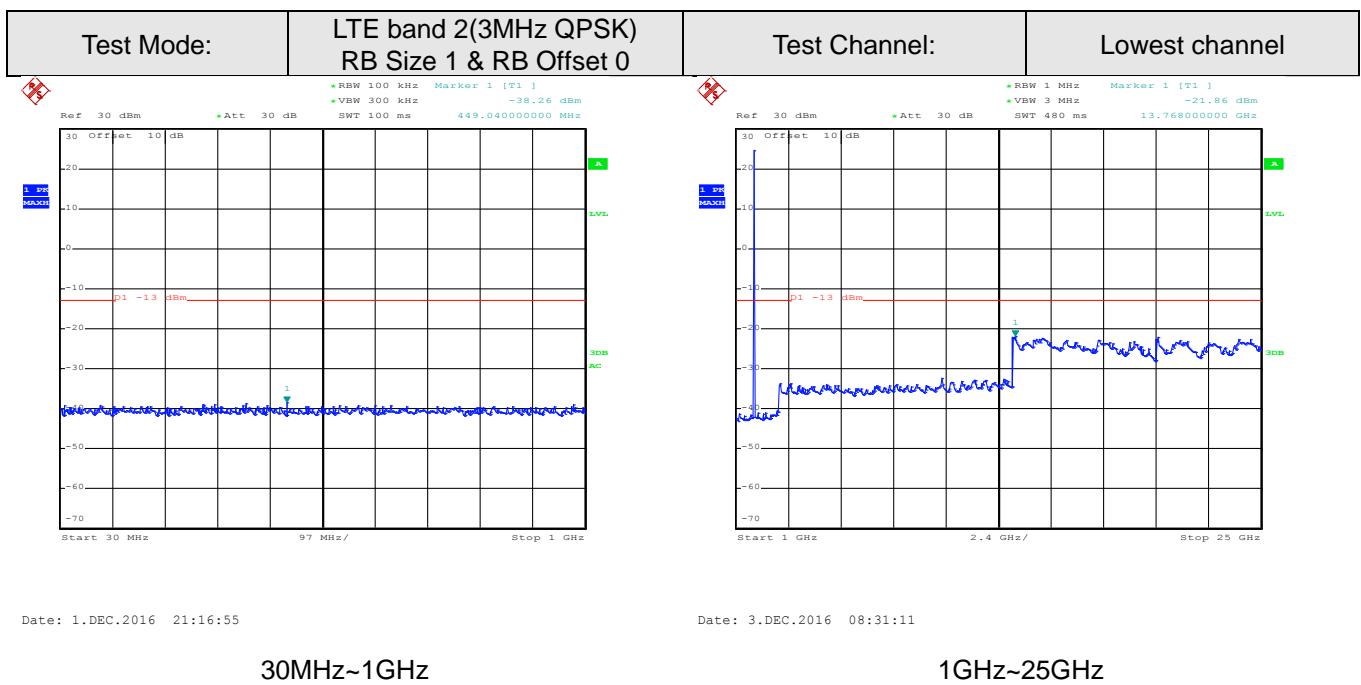
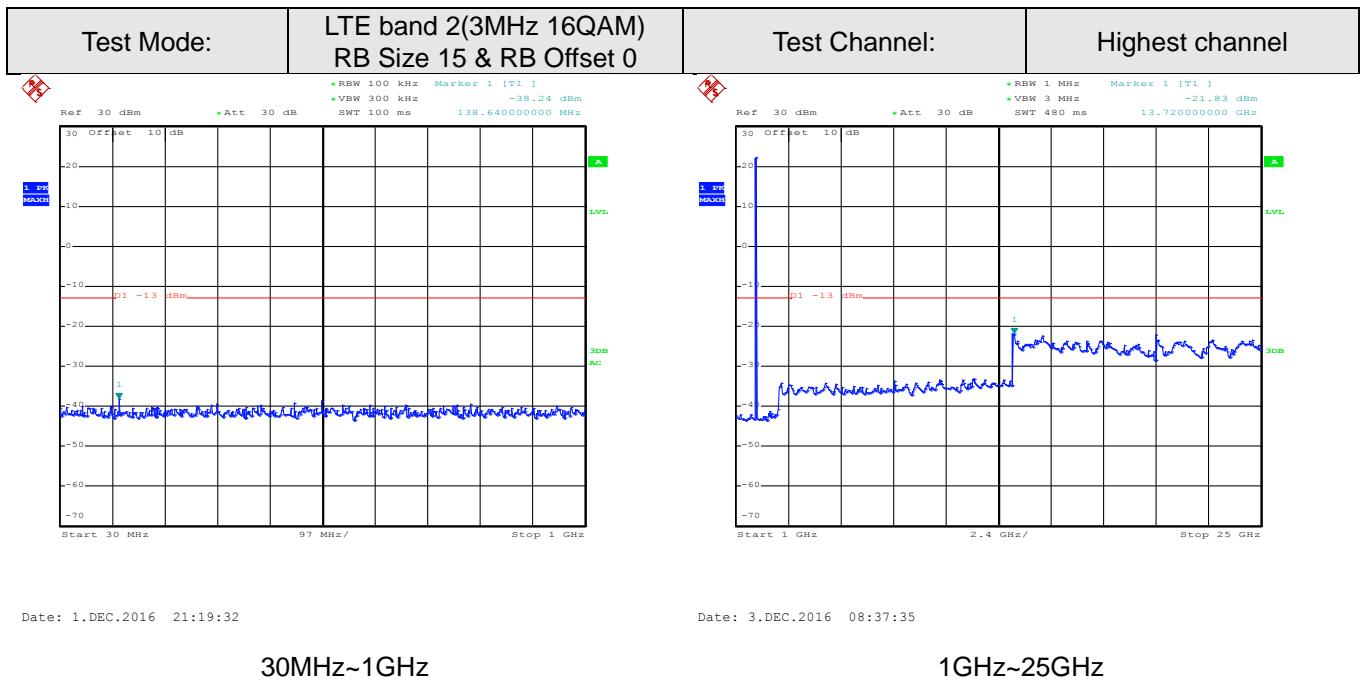
Date: 3.DEC.2016 08:33:36

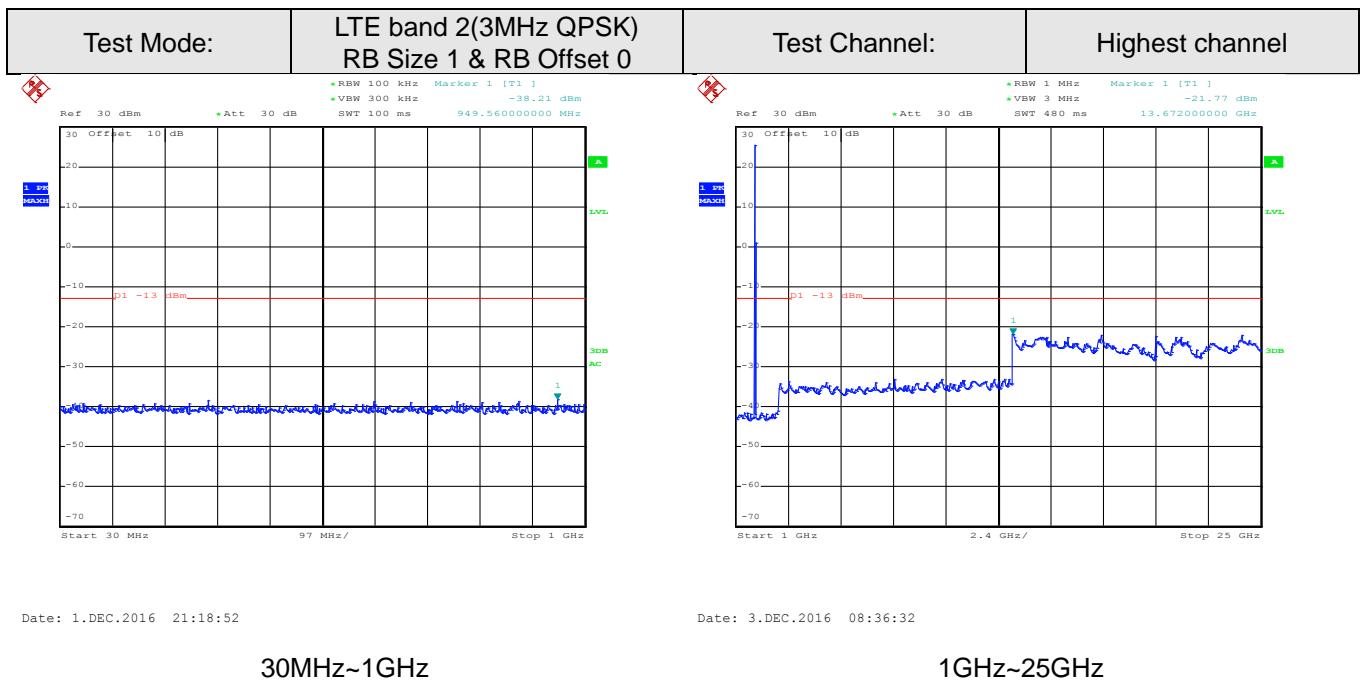
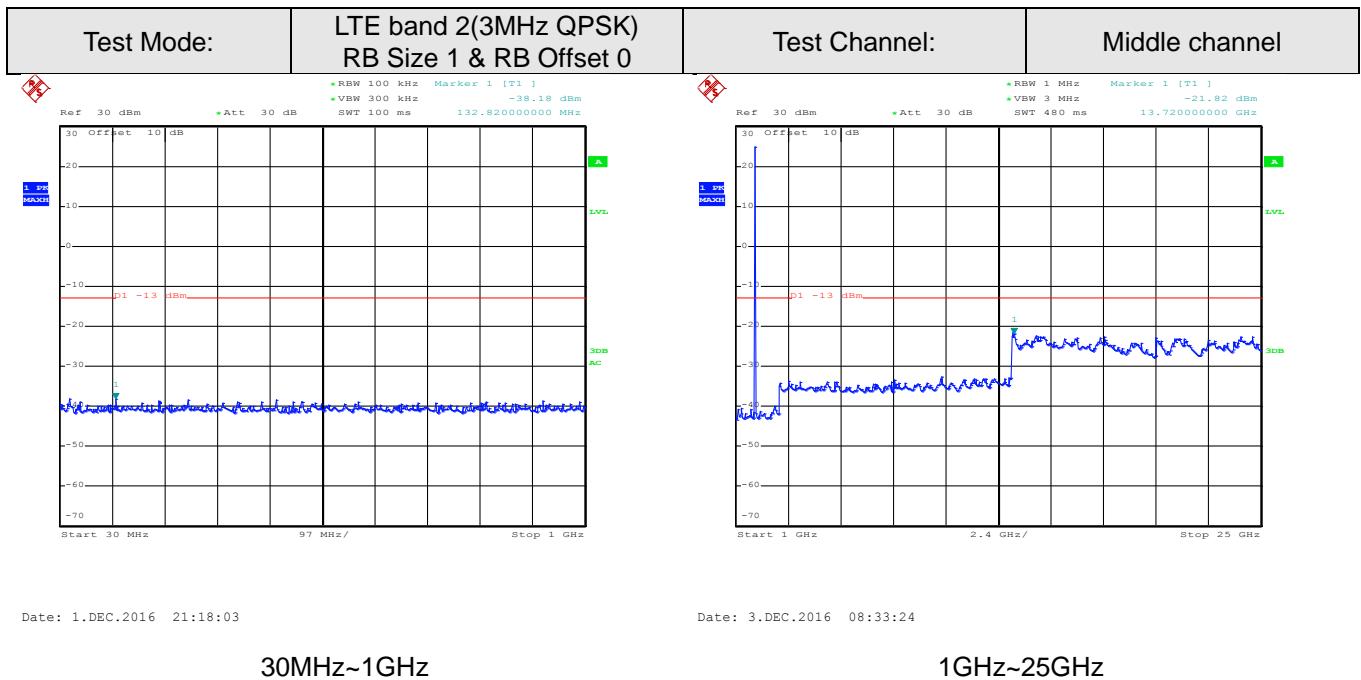
1GHz~25GHz

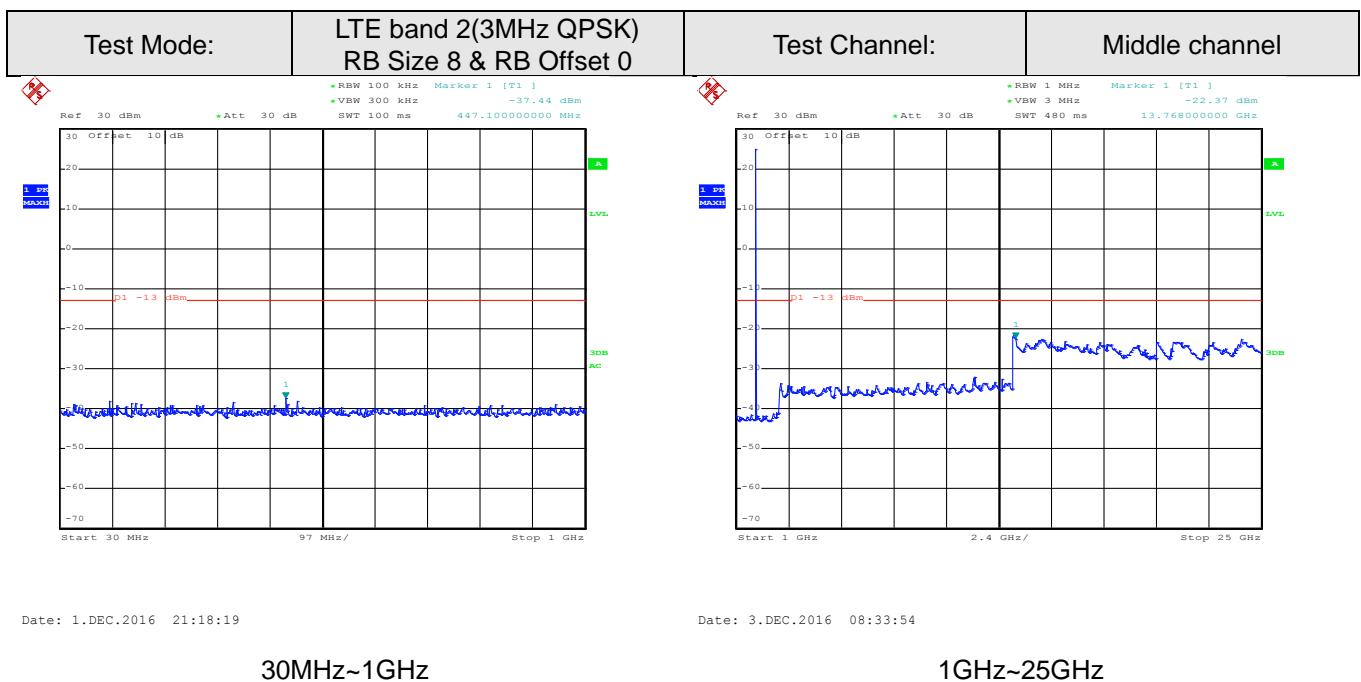
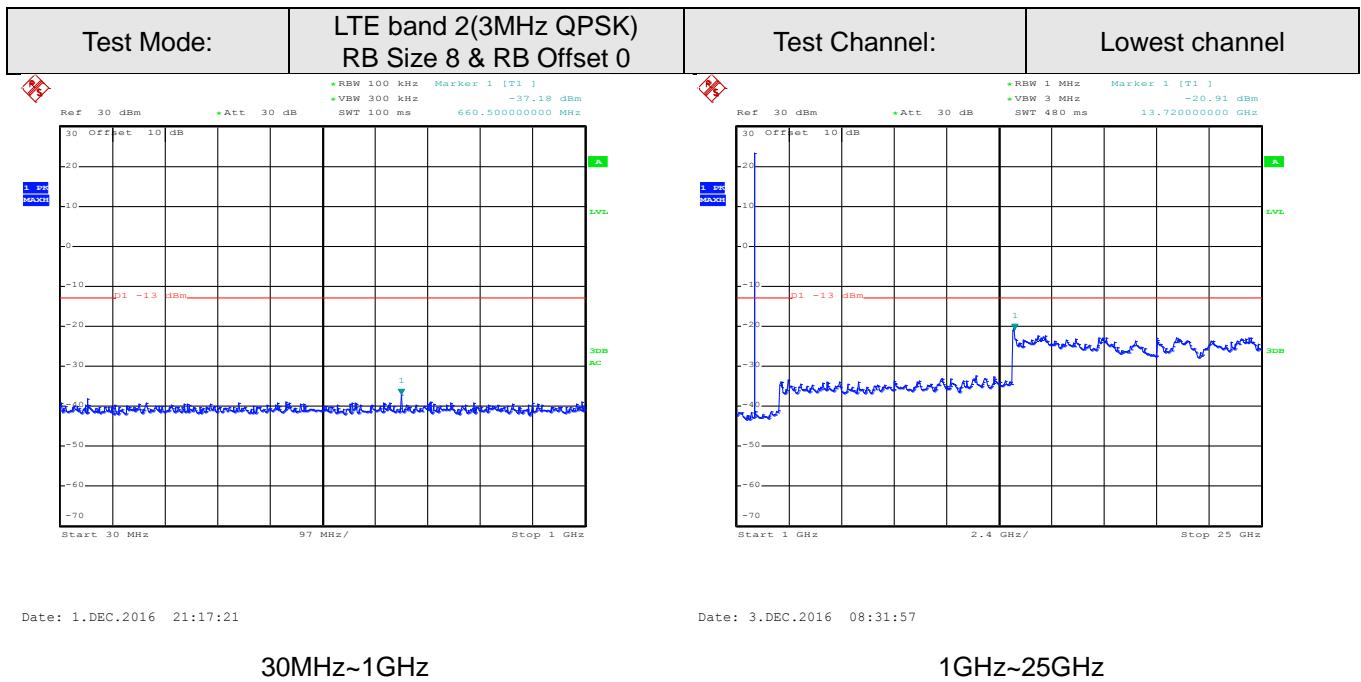


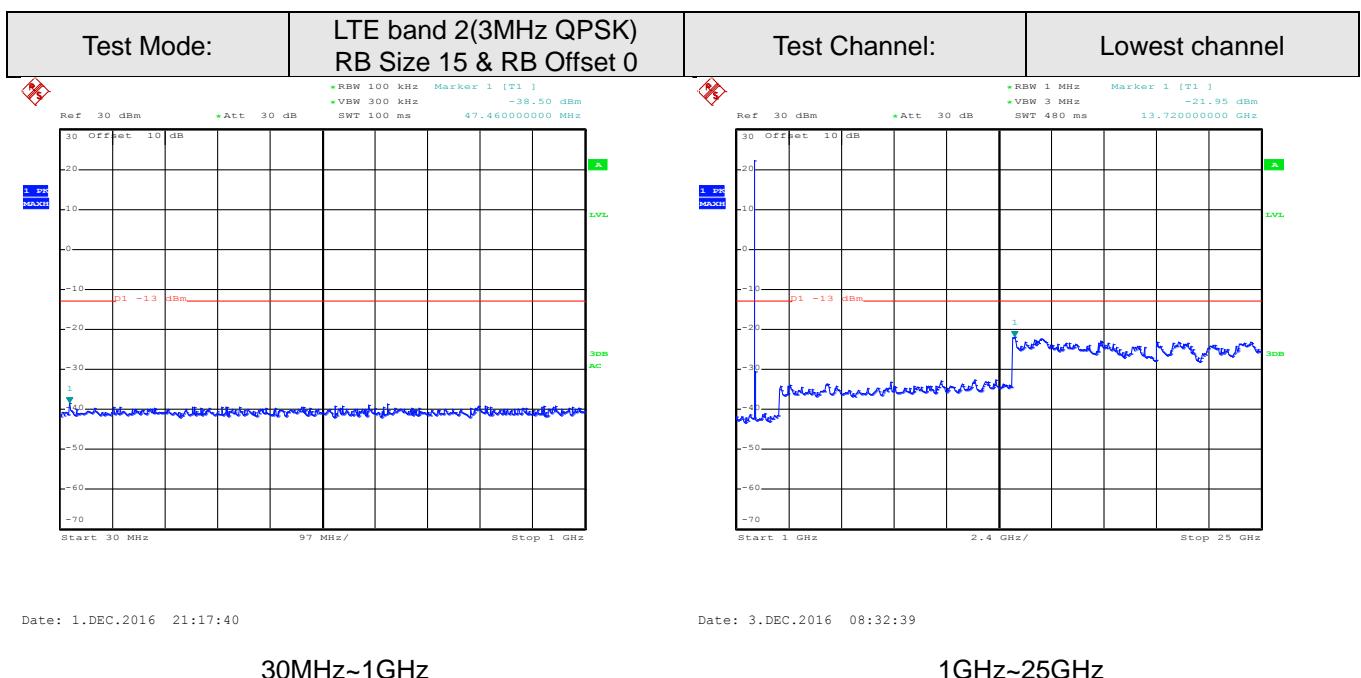
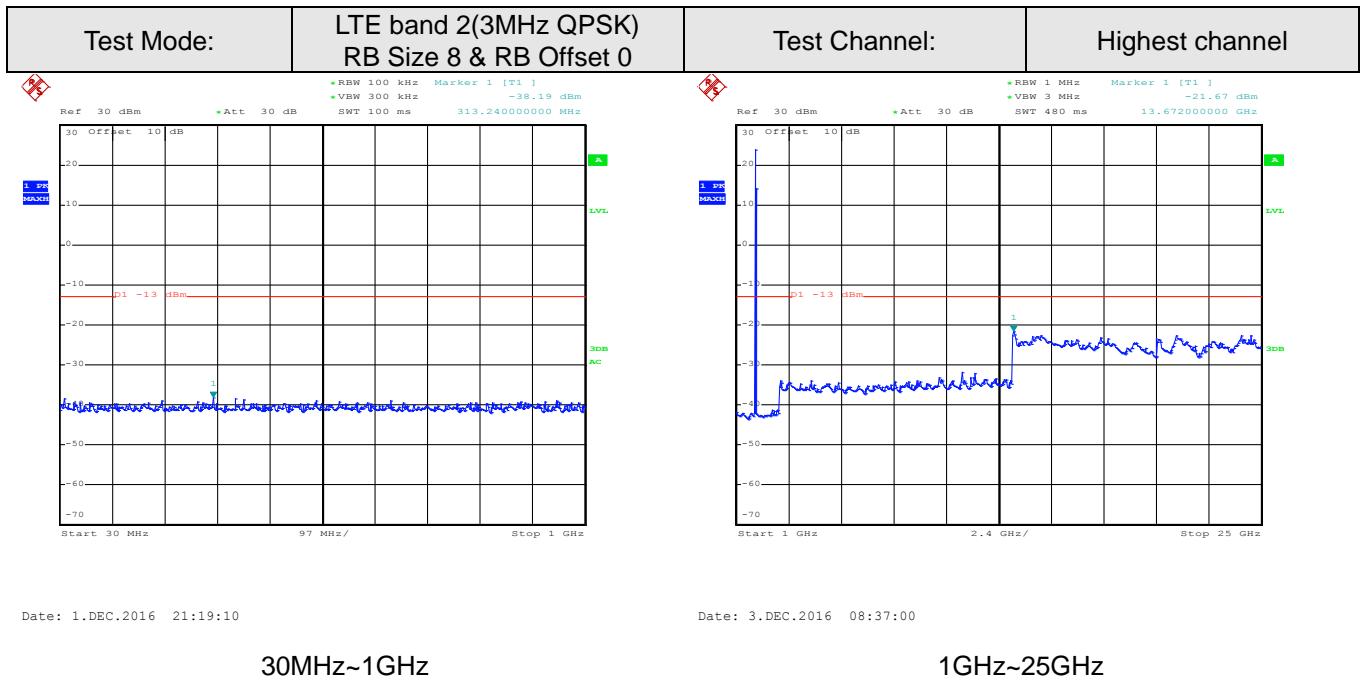


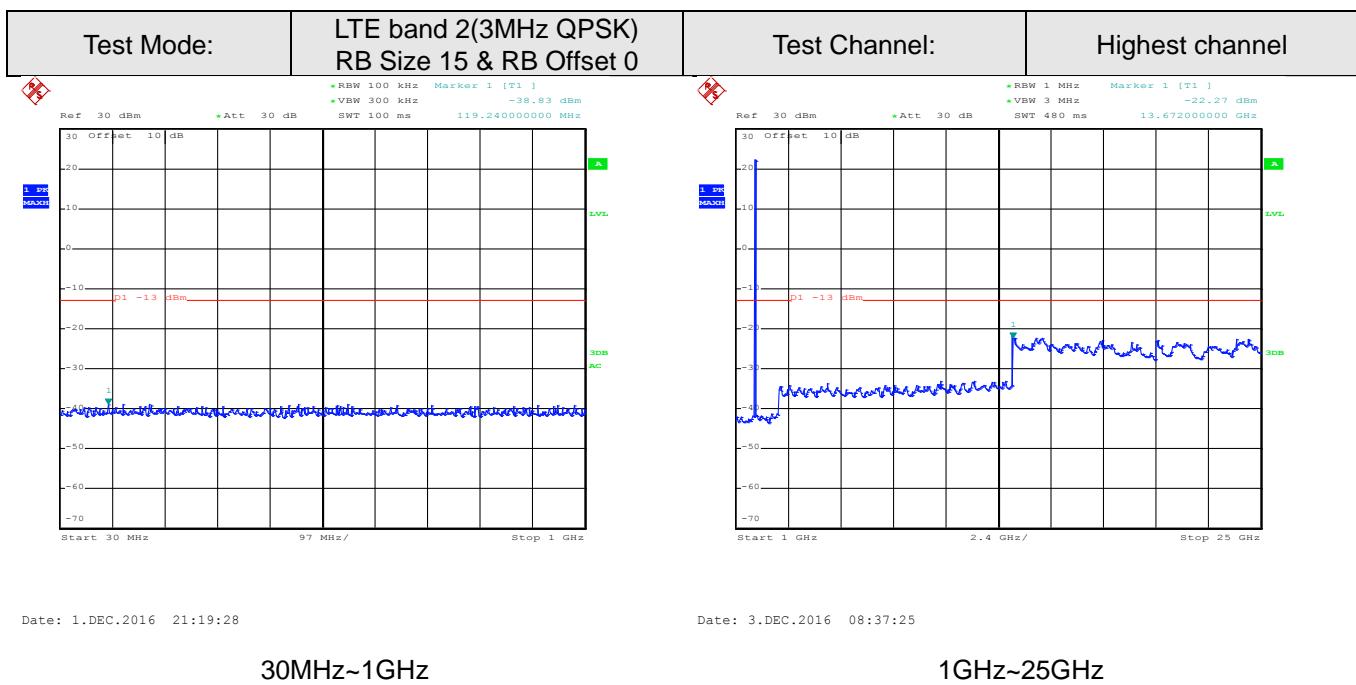
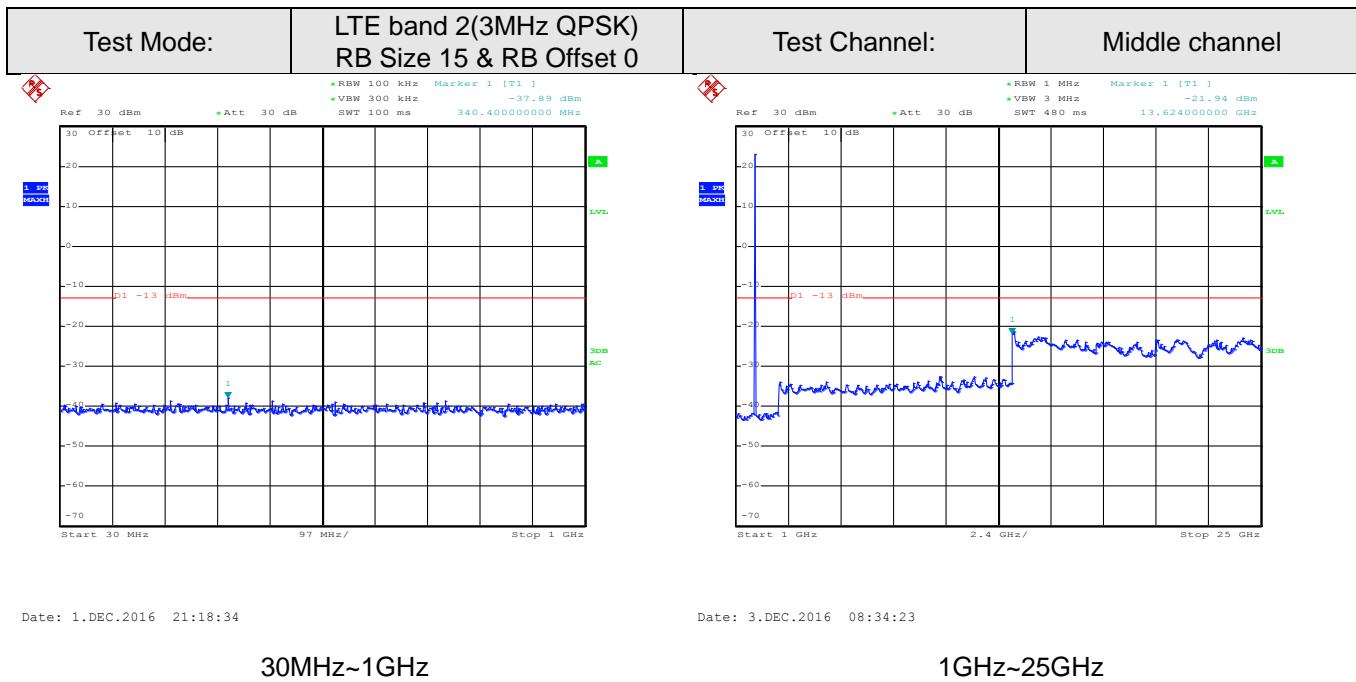




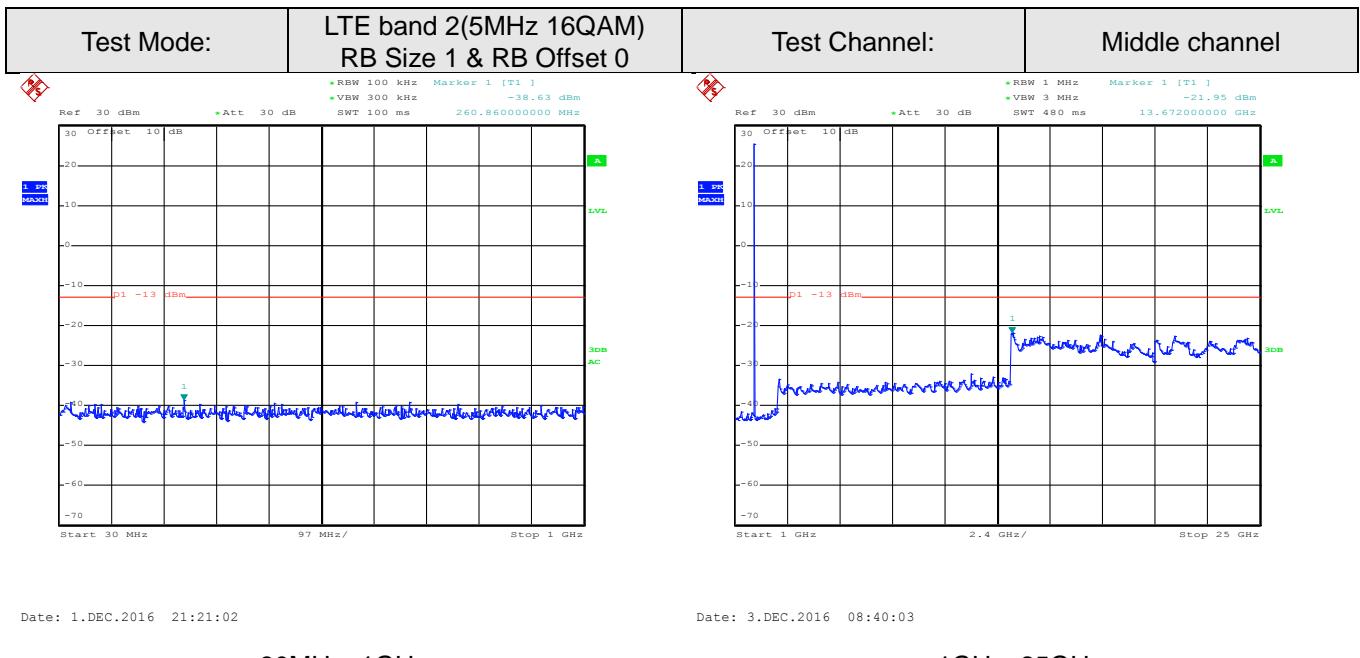
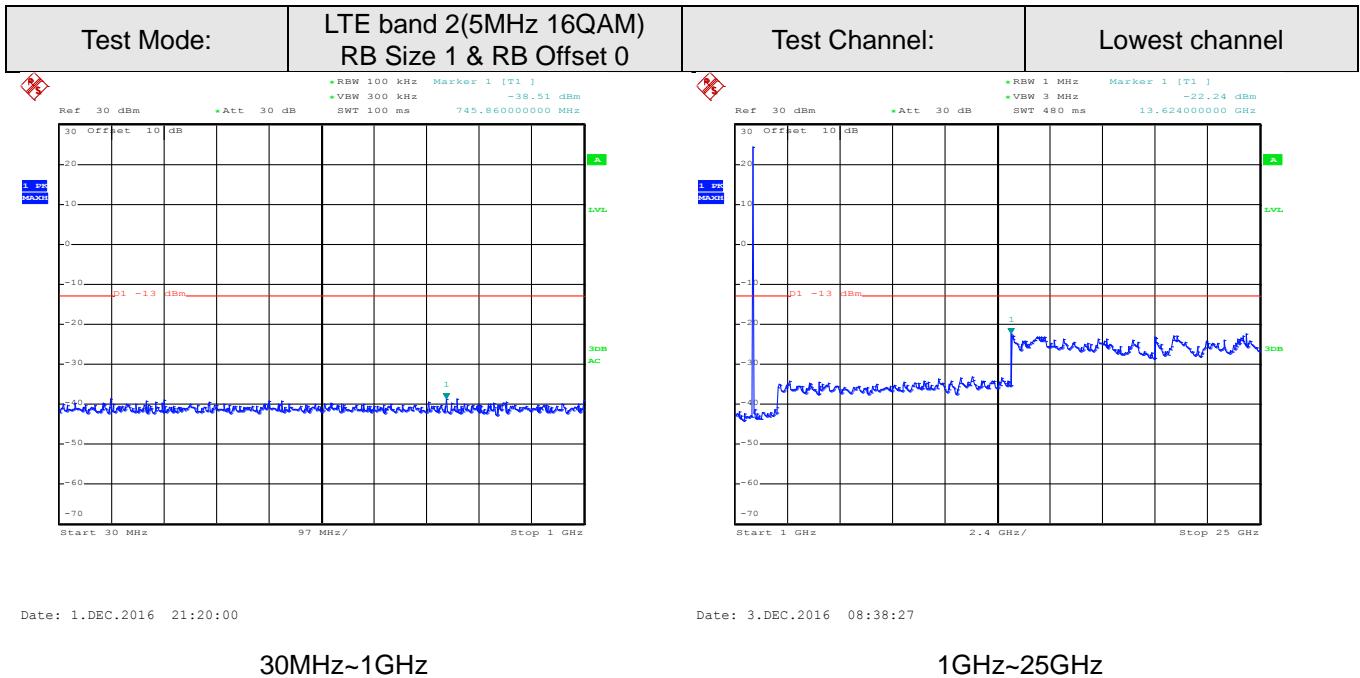


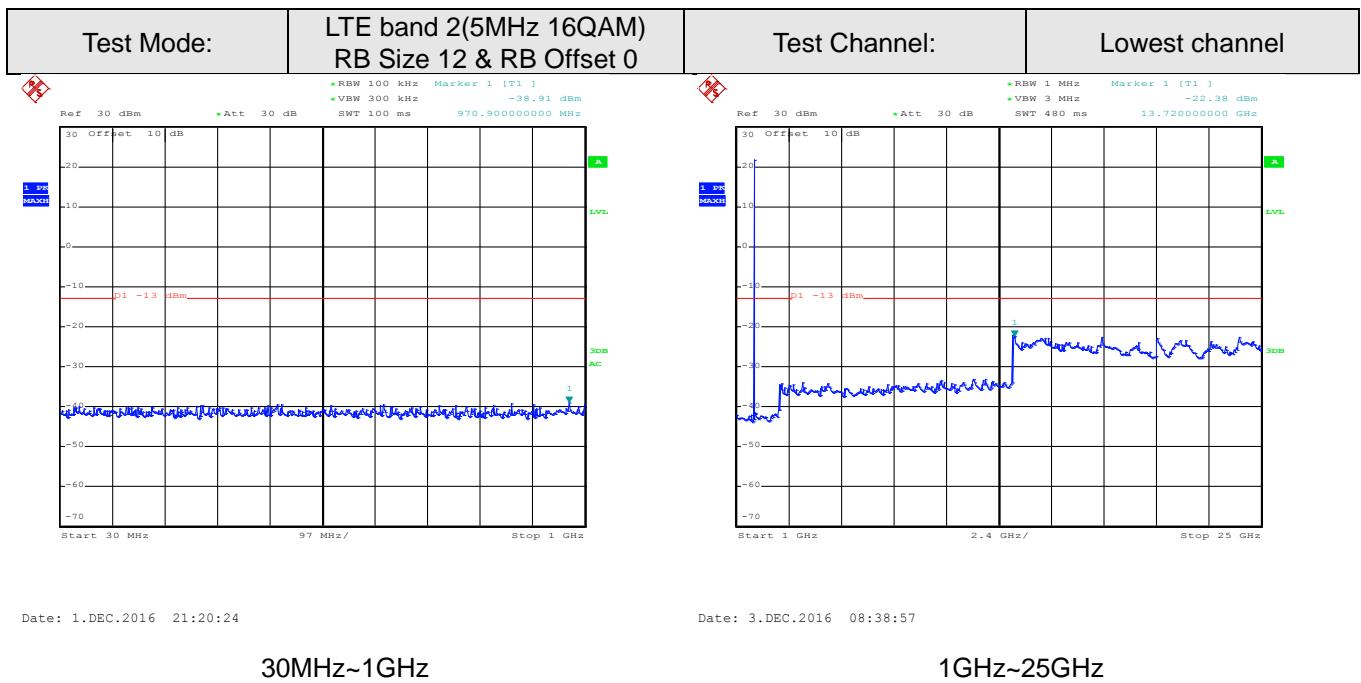
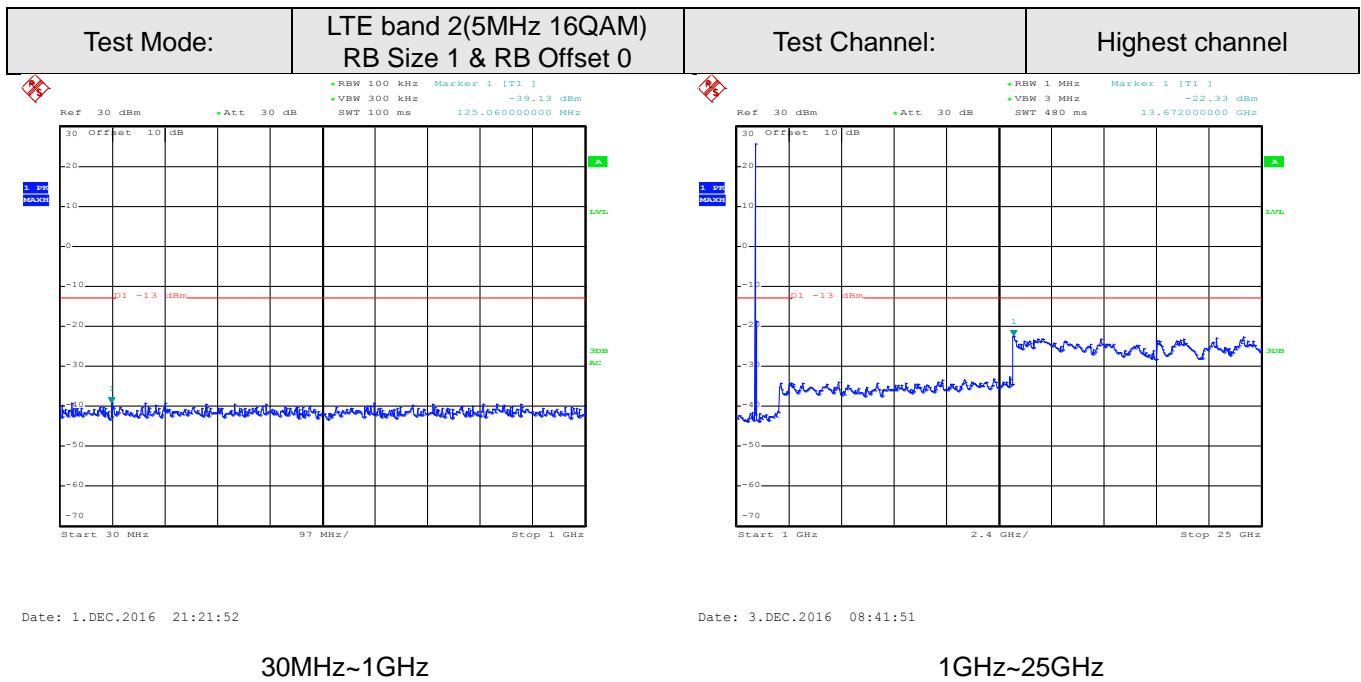


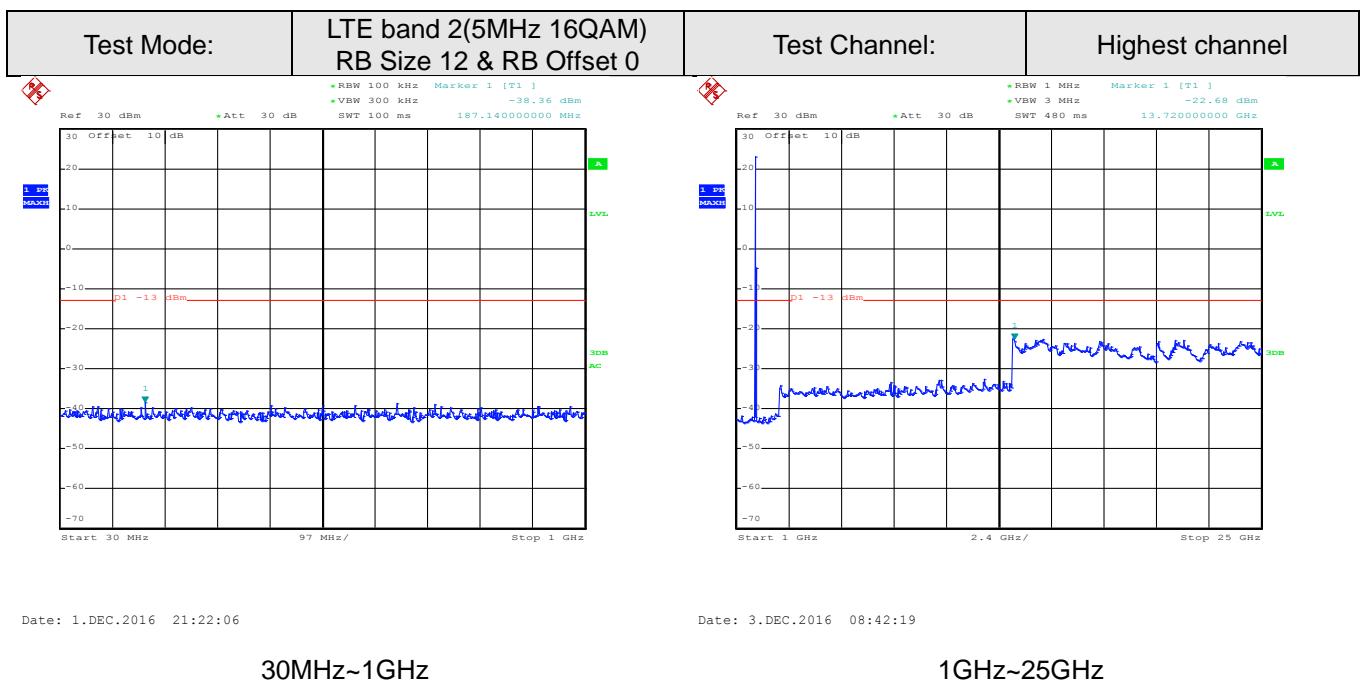
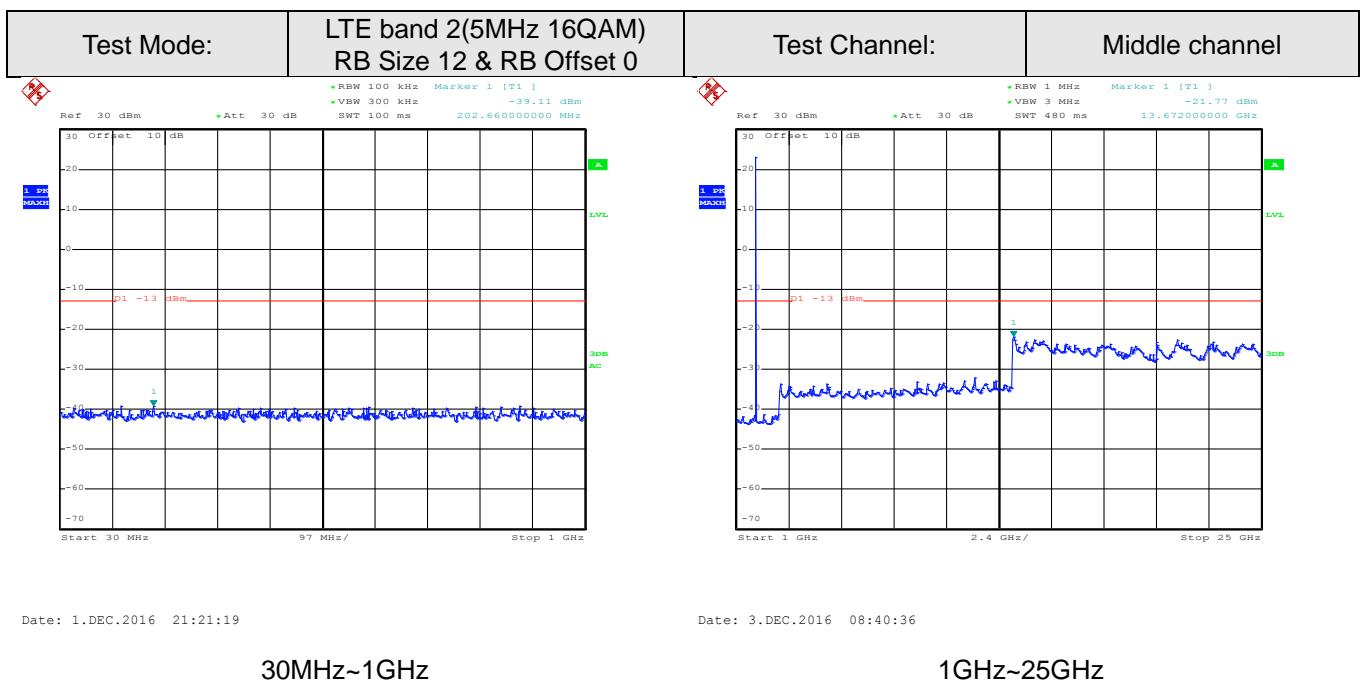


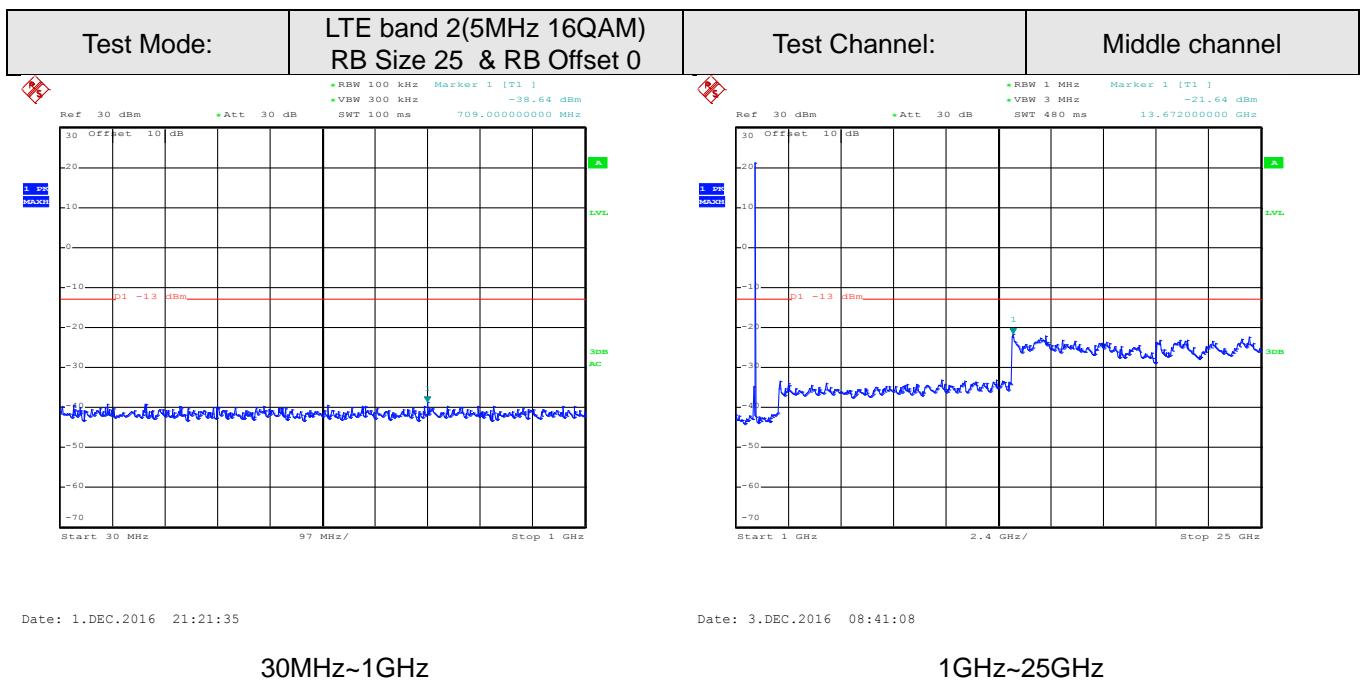
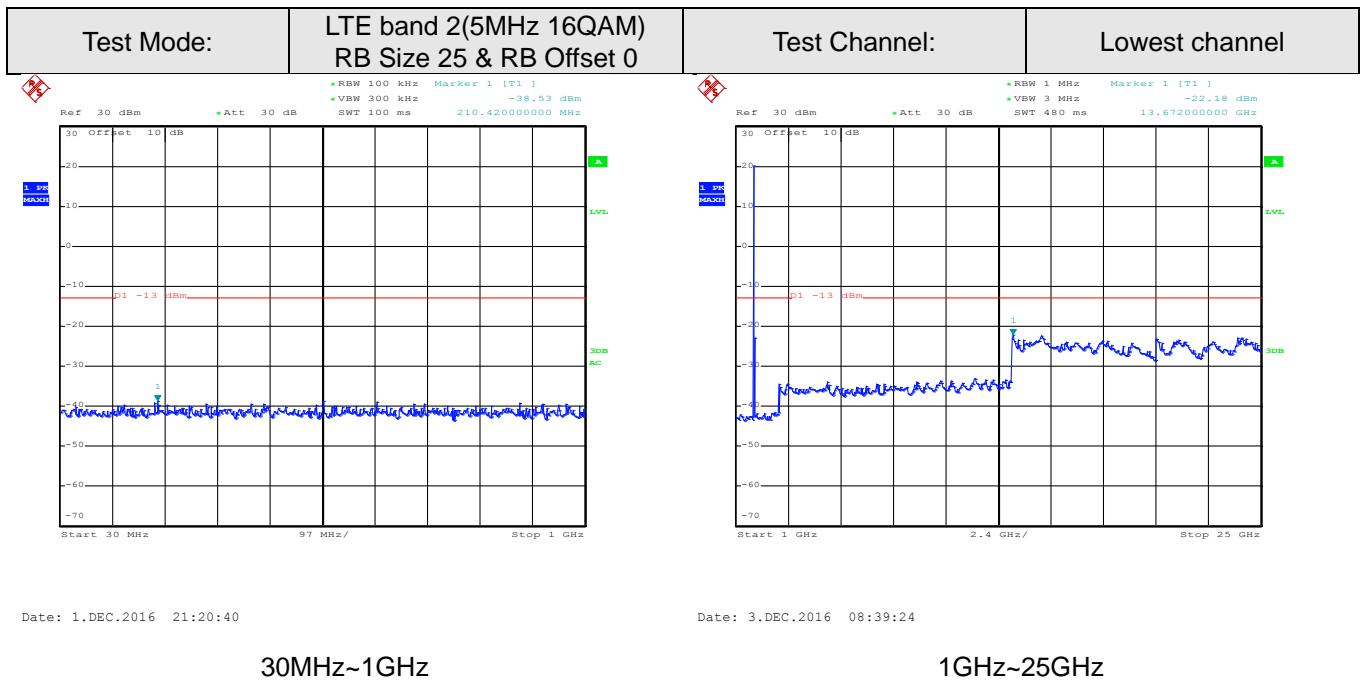


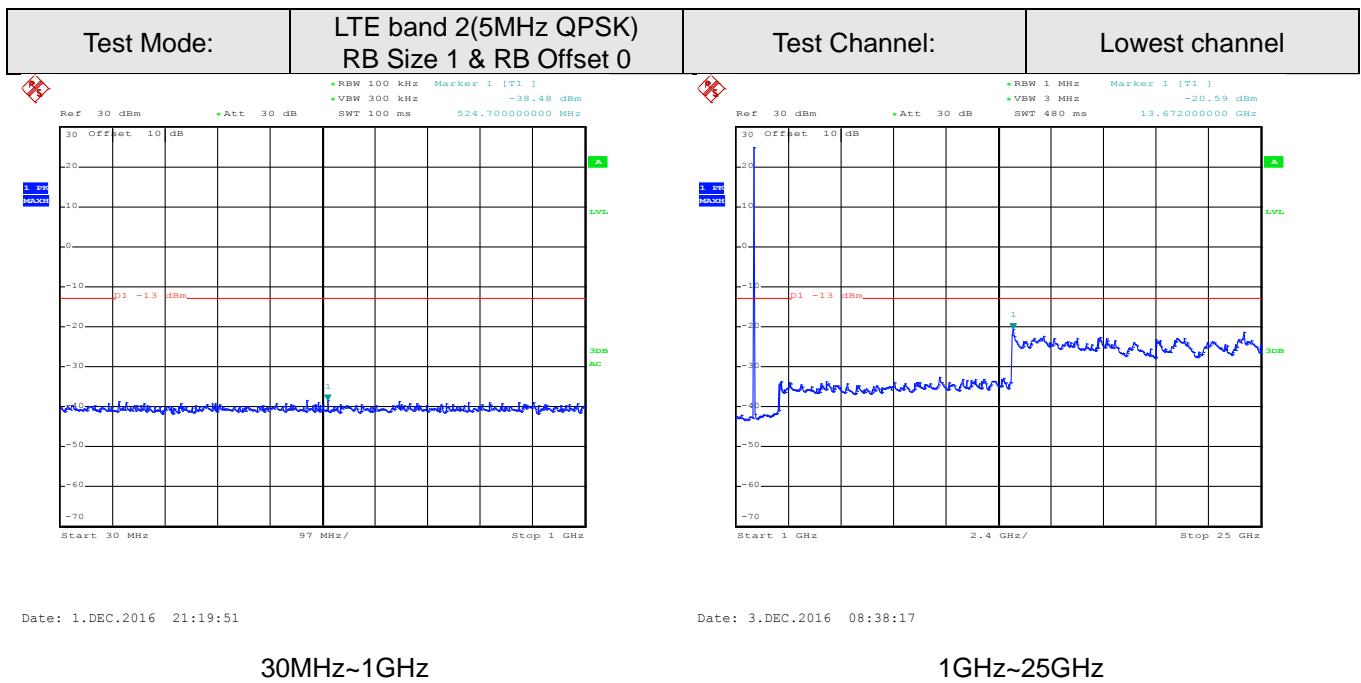
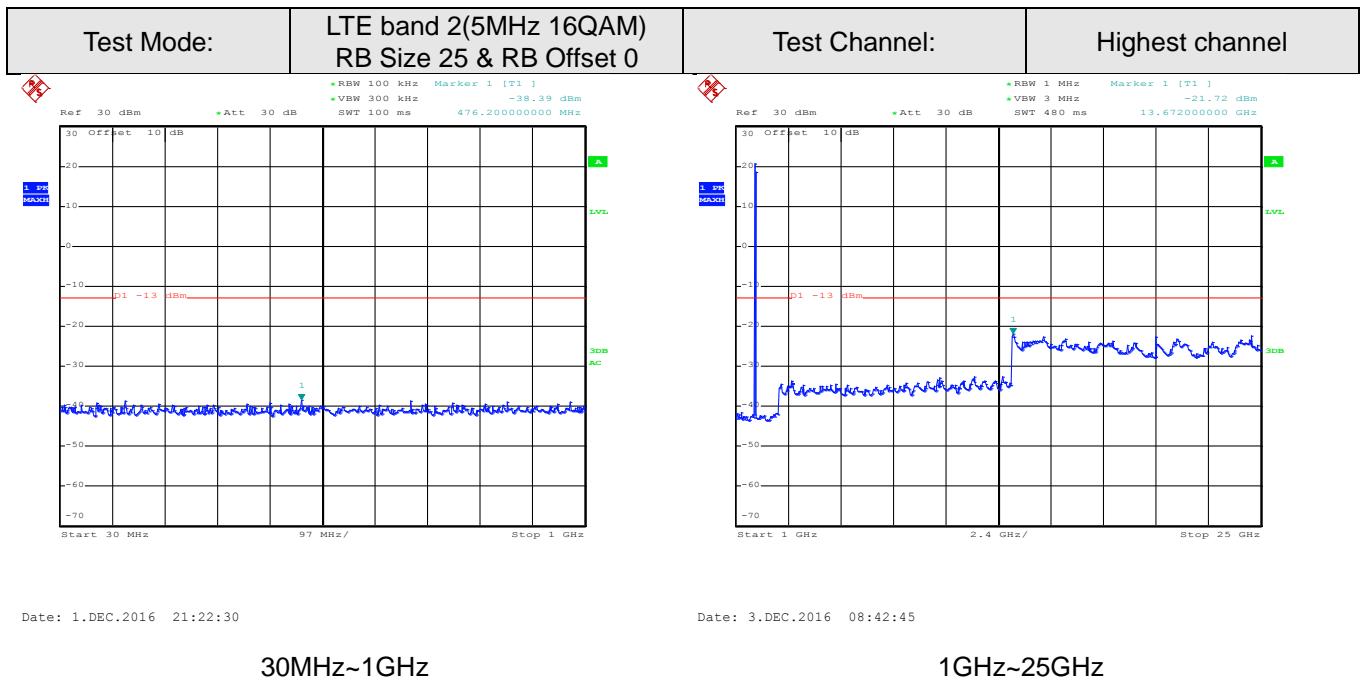
## 5MHz

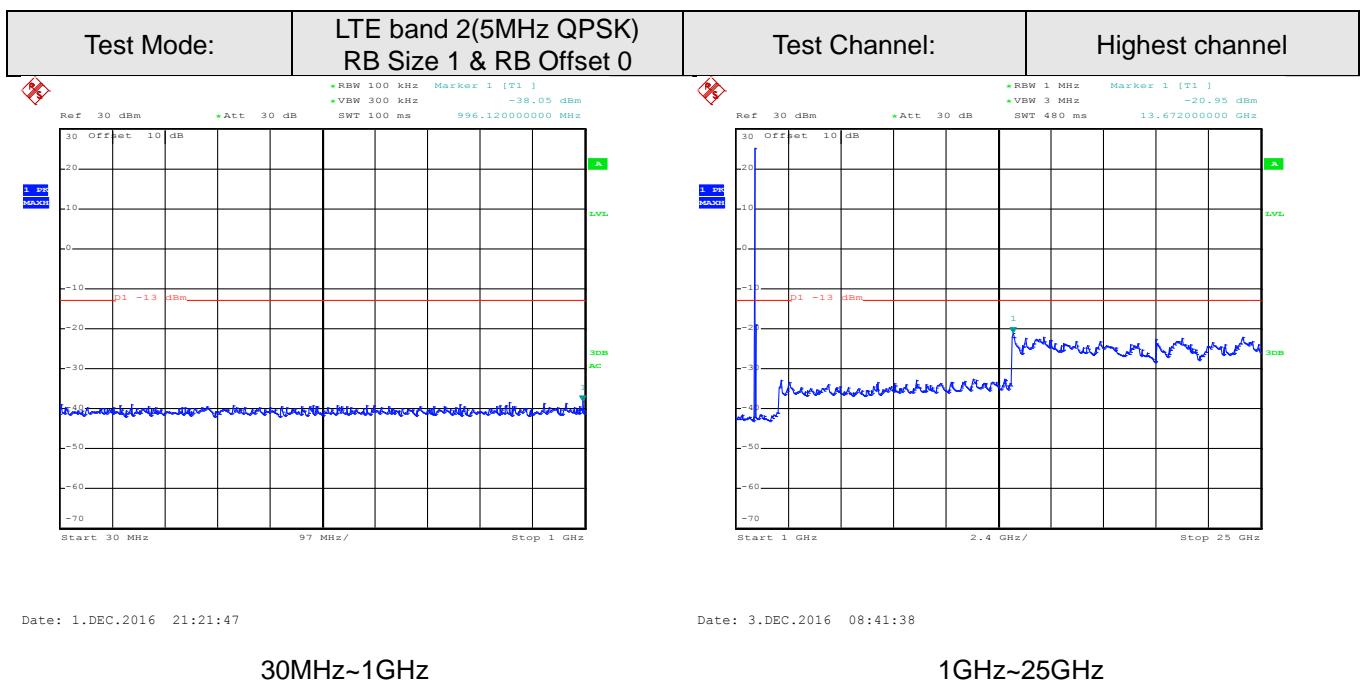
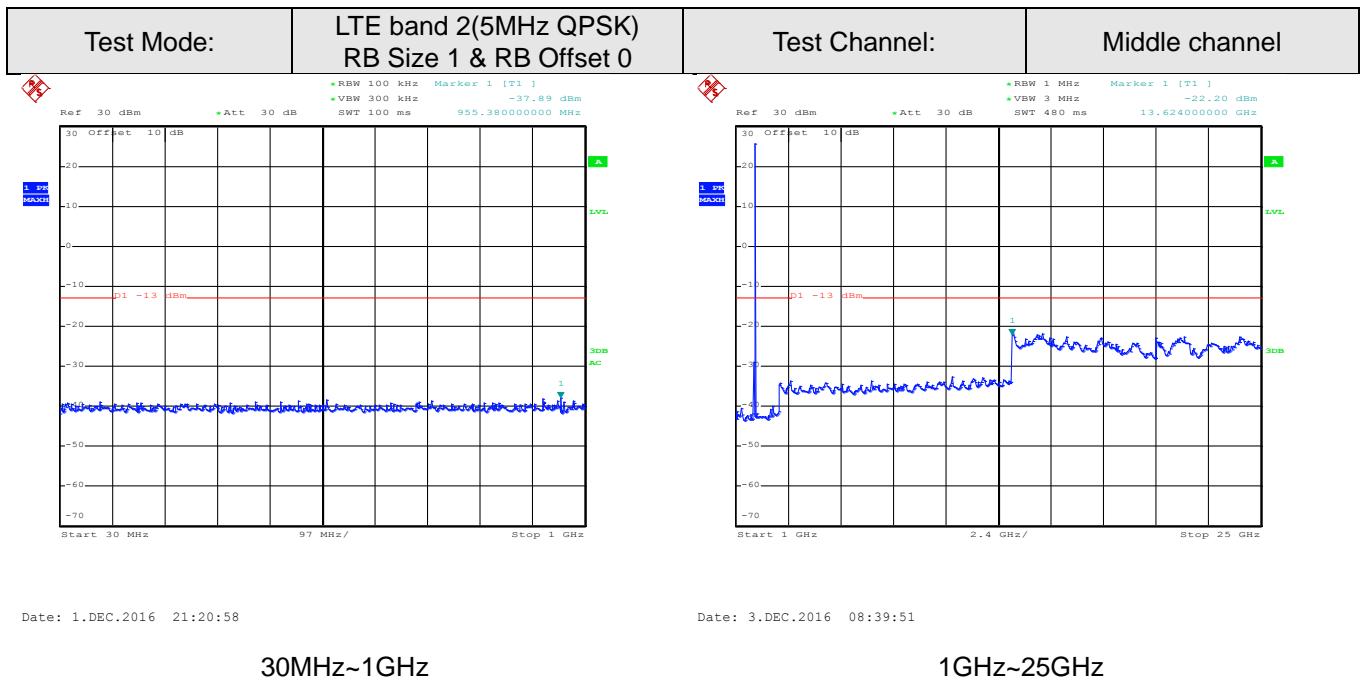


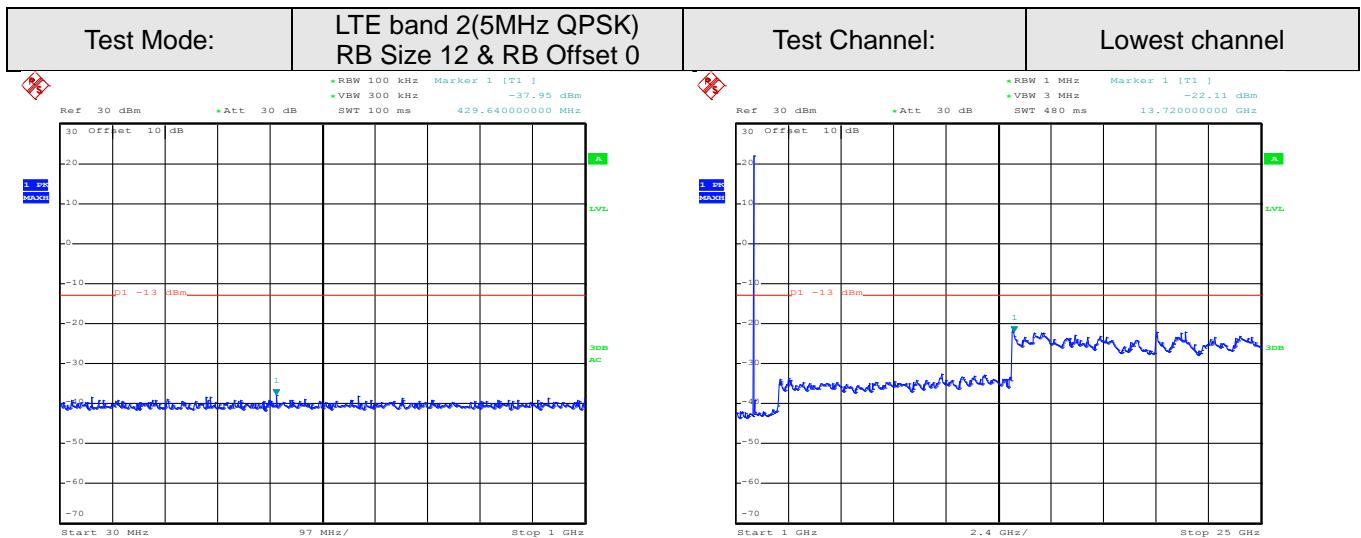










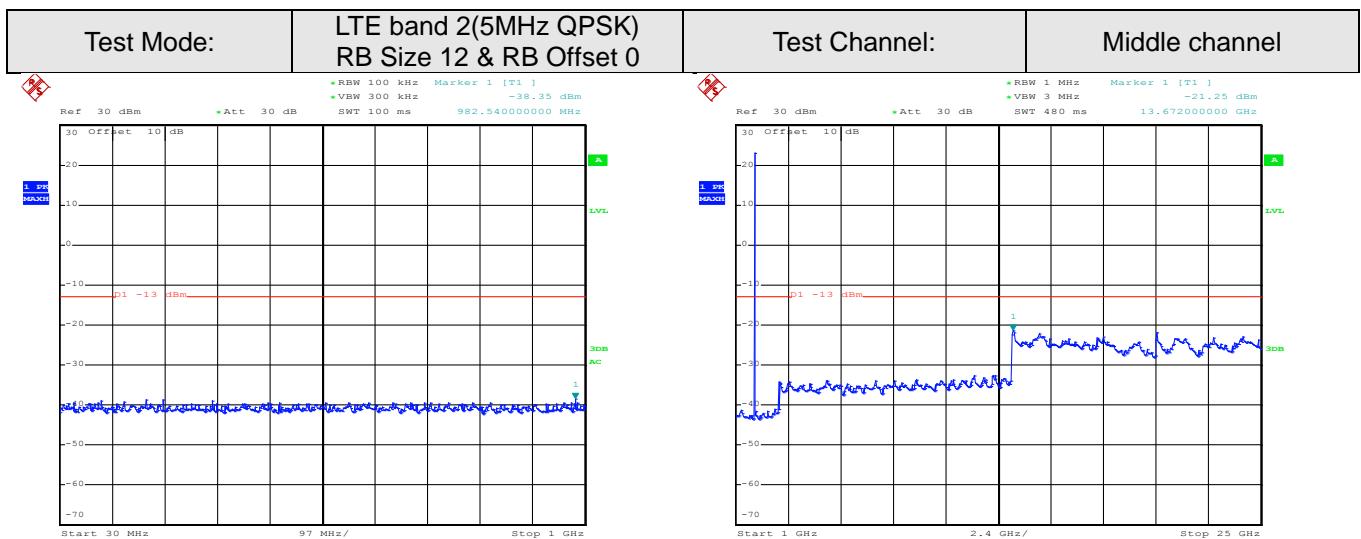


Date: 1.DEC.2016 21:20:19

30MHz~1GHz

Date: 3.DEC.2016 08:38:44

1GHz~25GHz

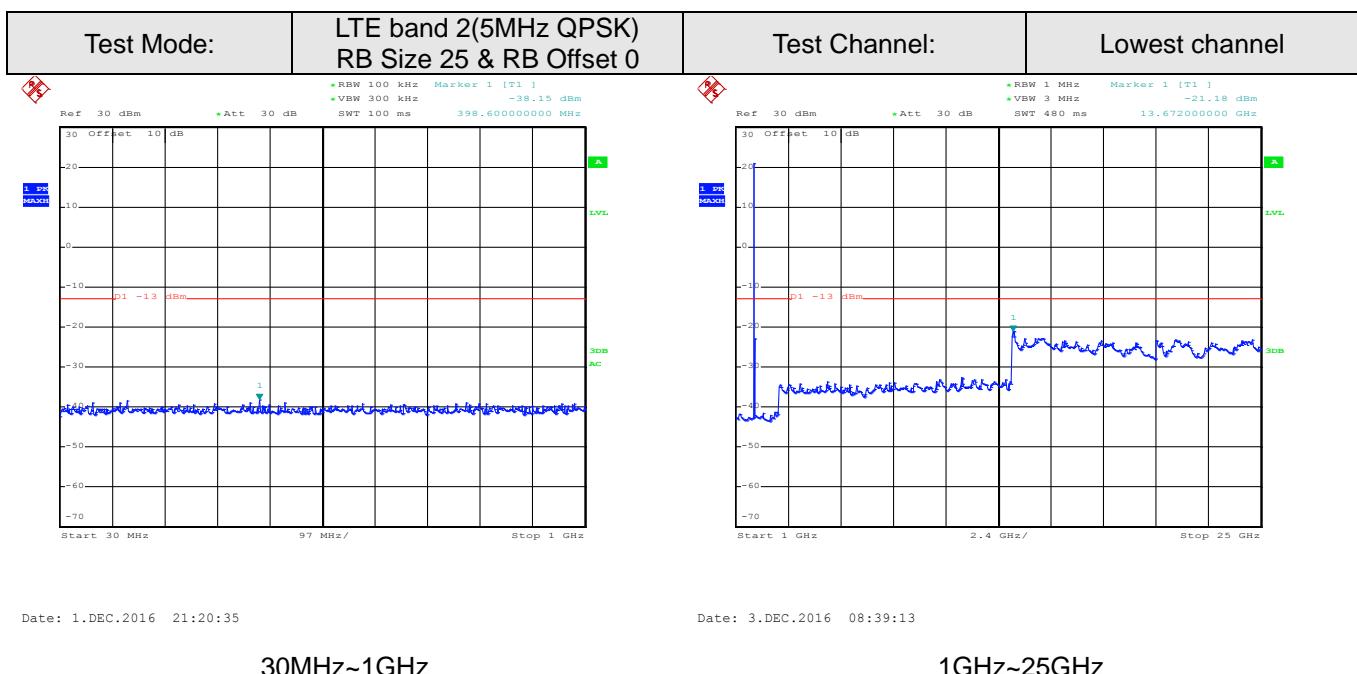
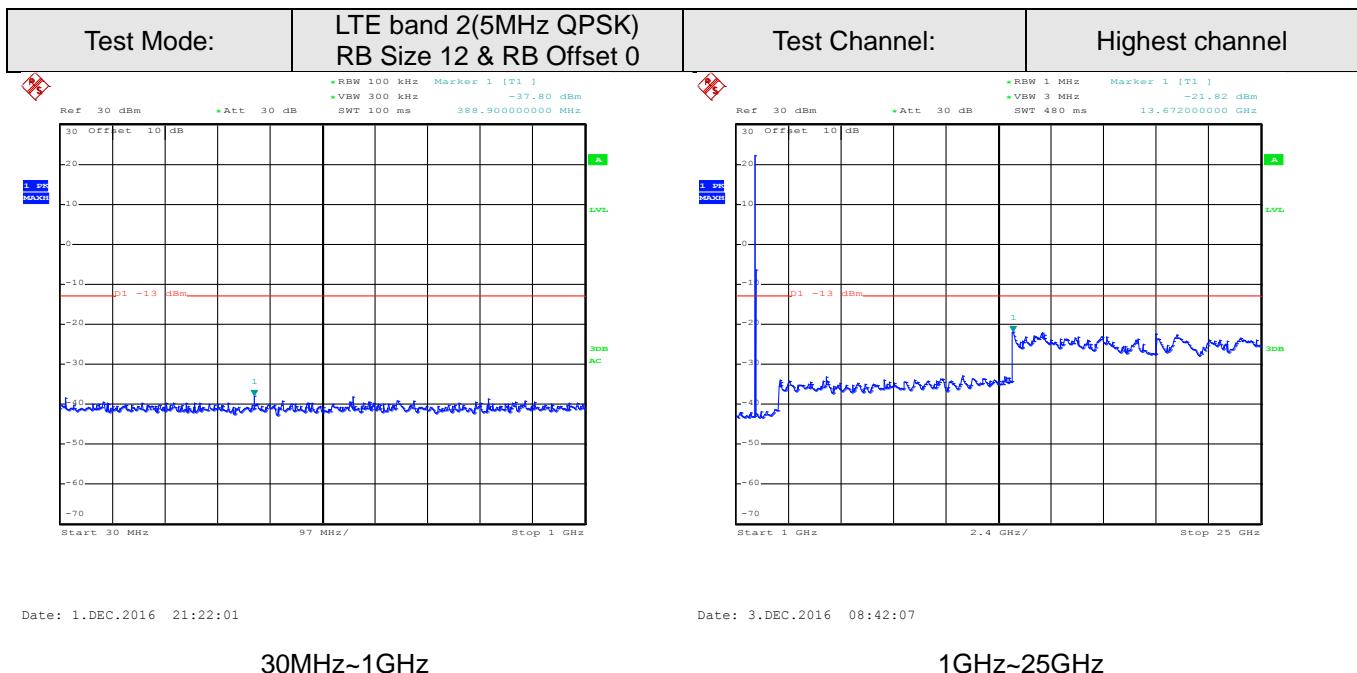


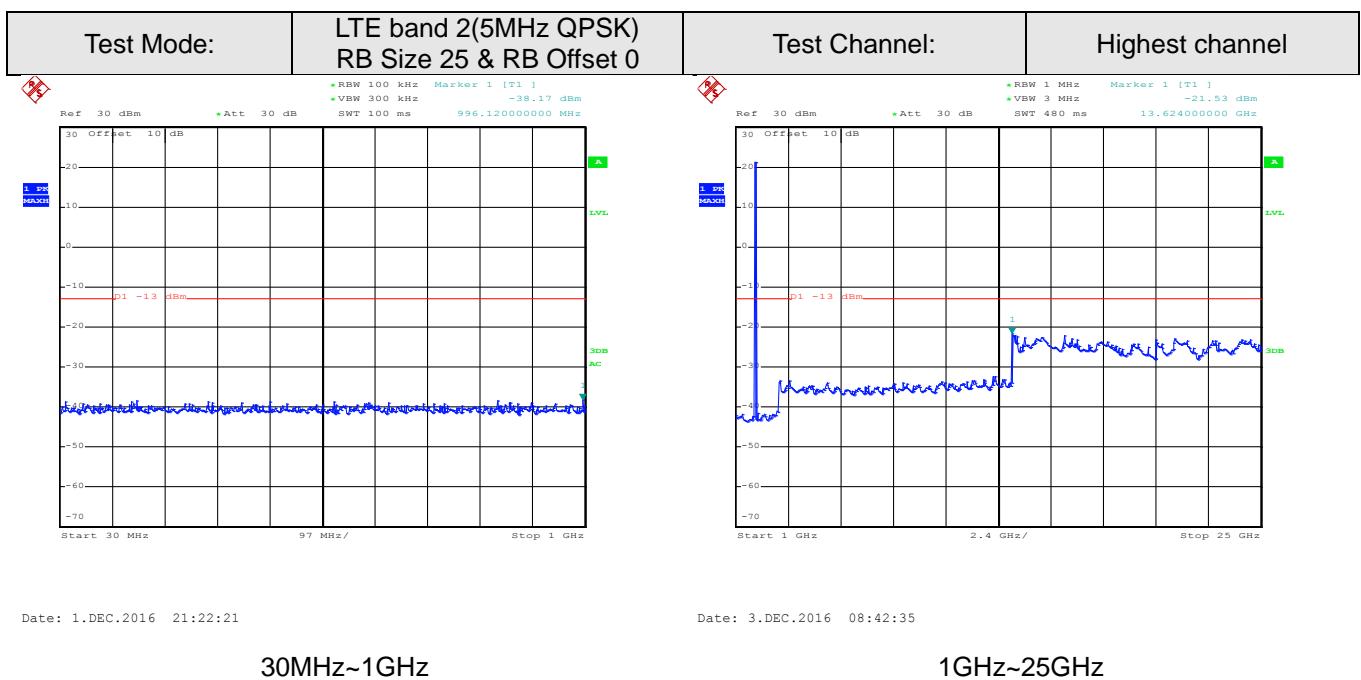
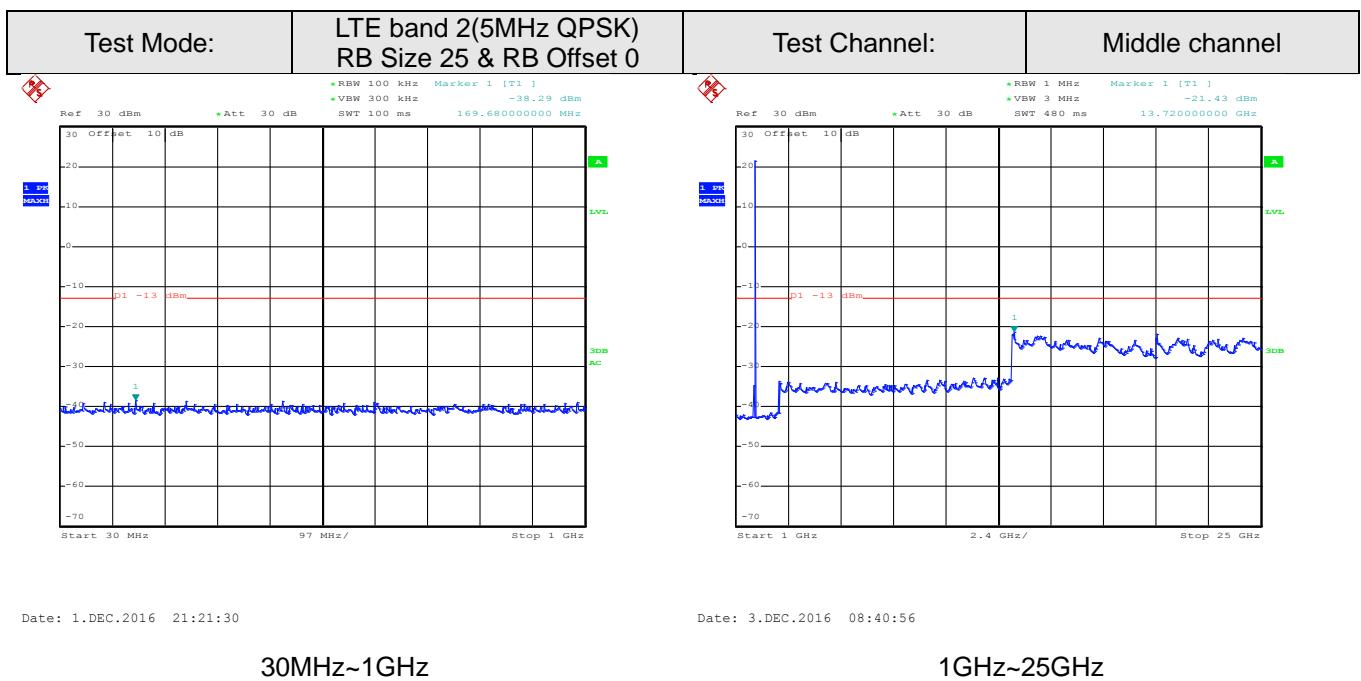
Date: 1.DEC.2016 21:21:13

30MHz~1GHz

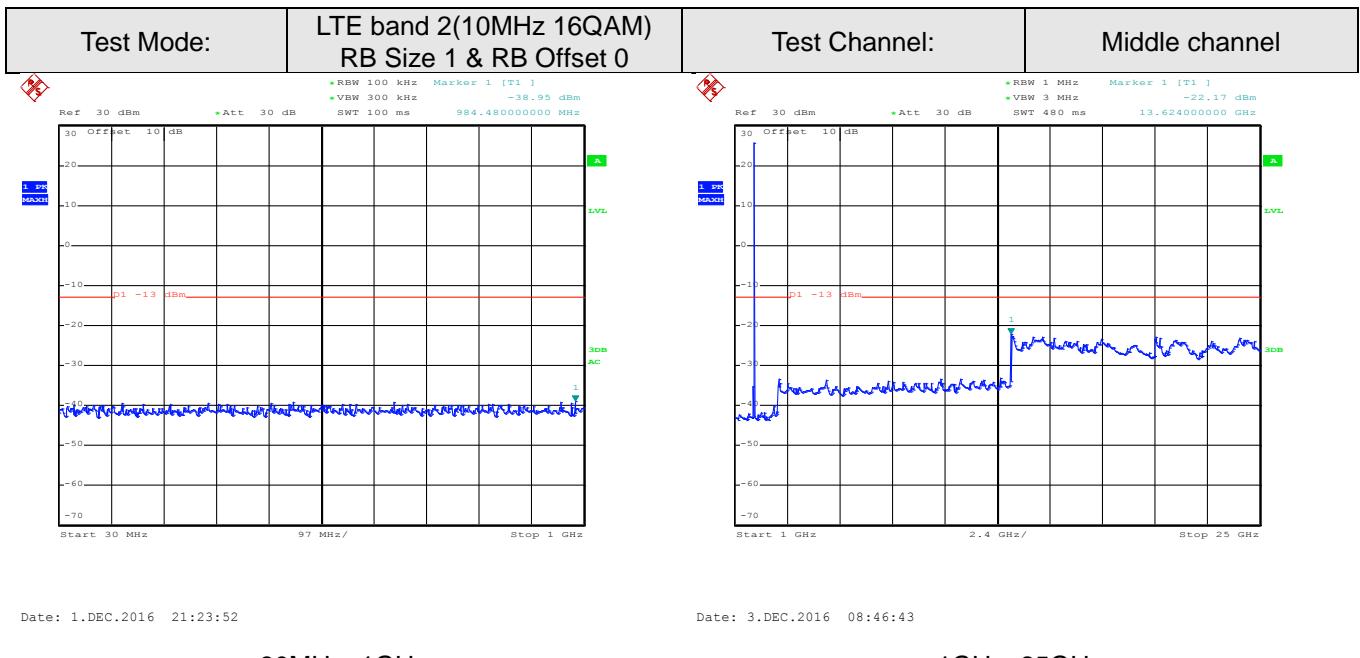
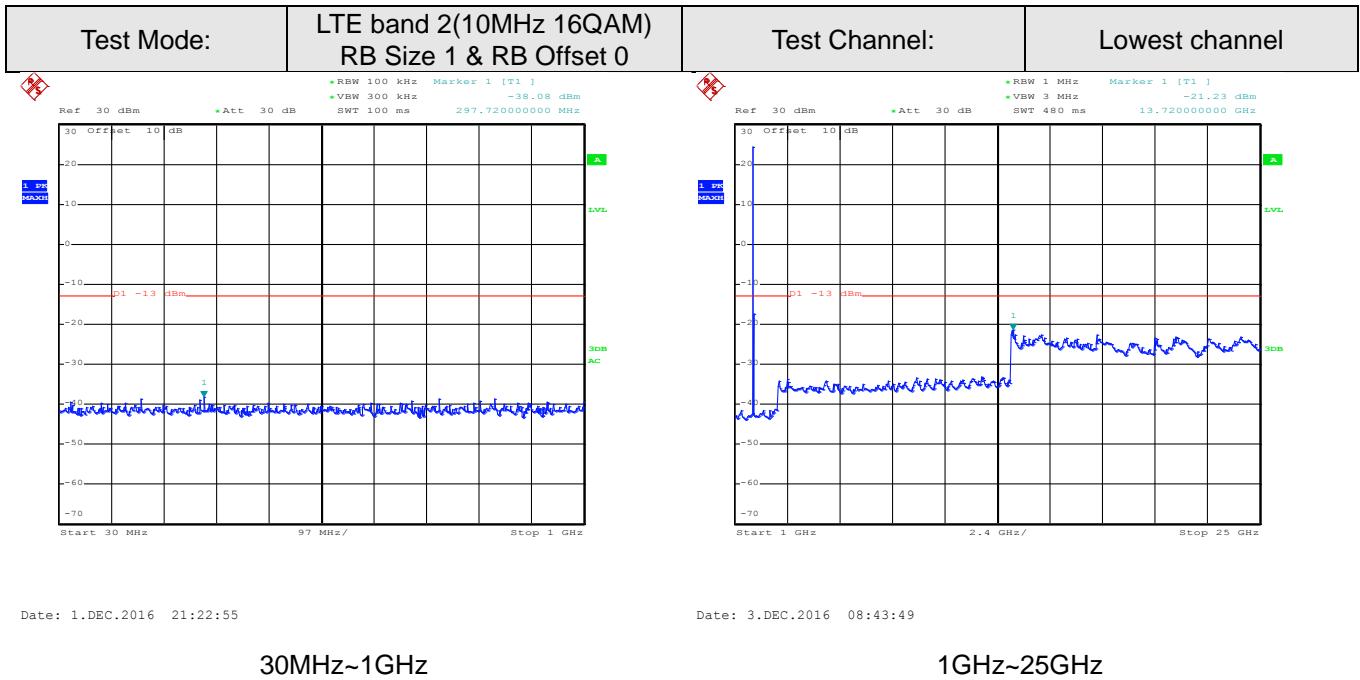
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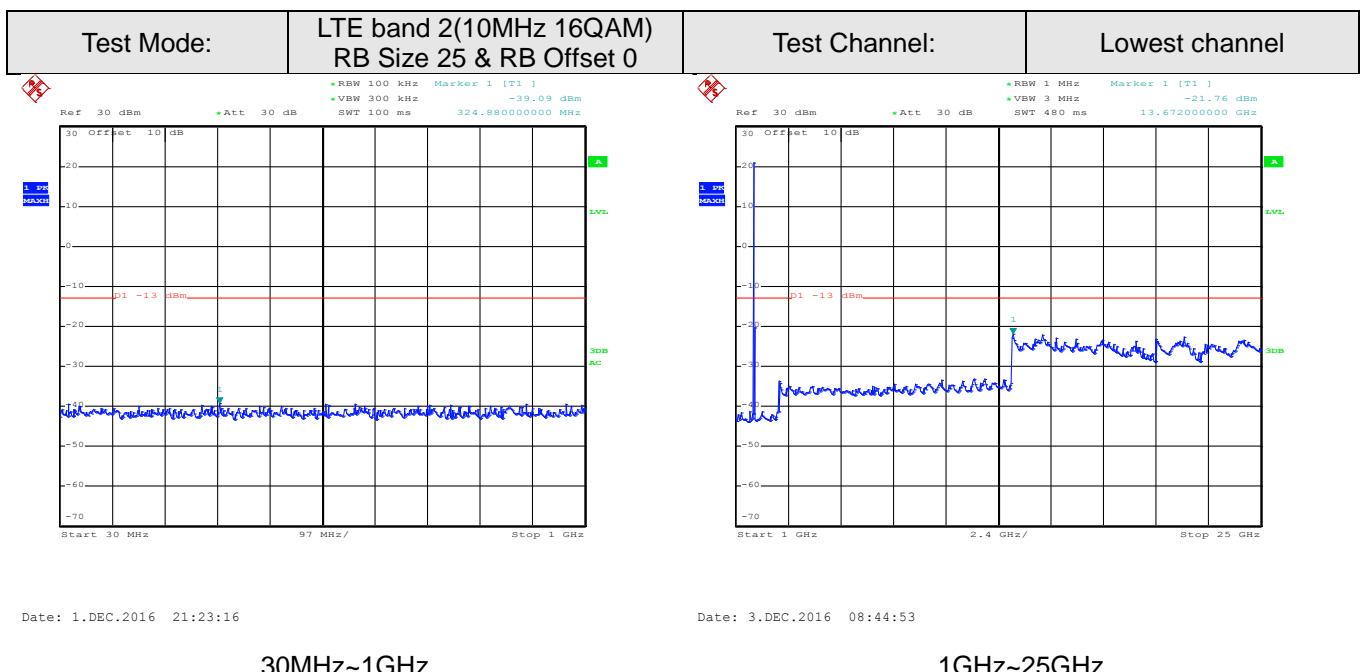
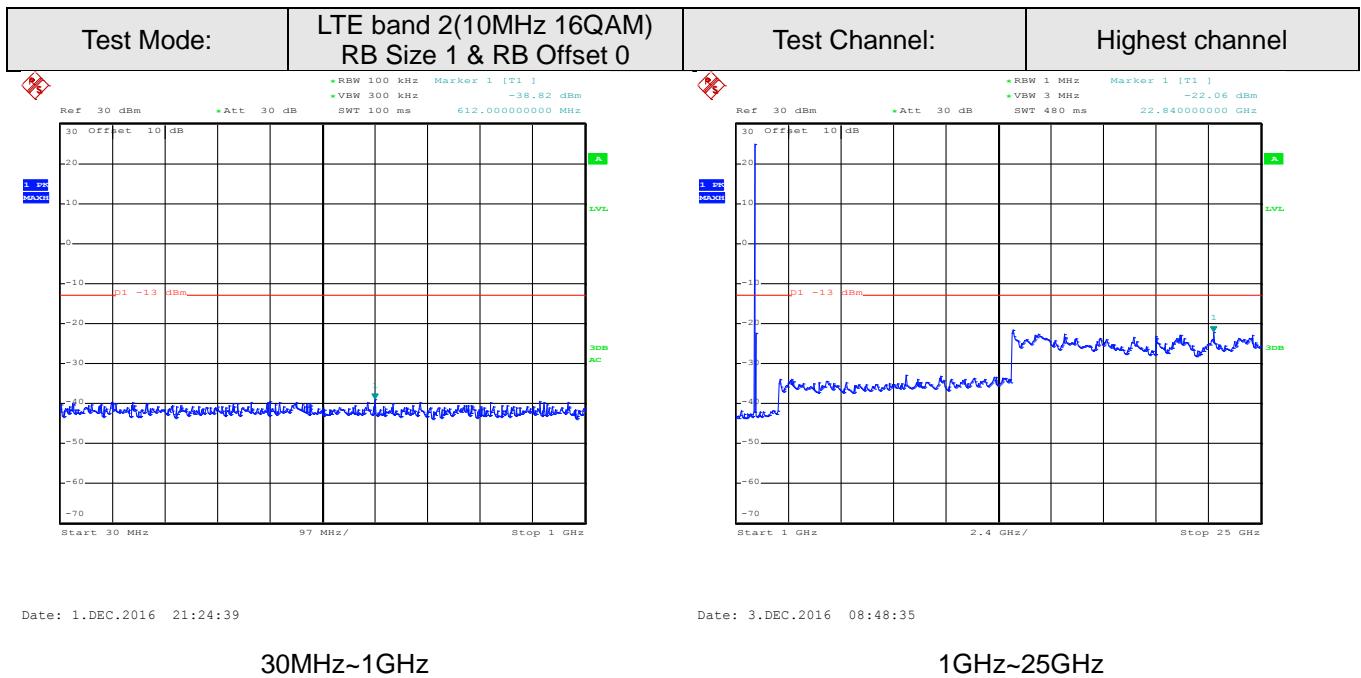
1GHz~25GHz

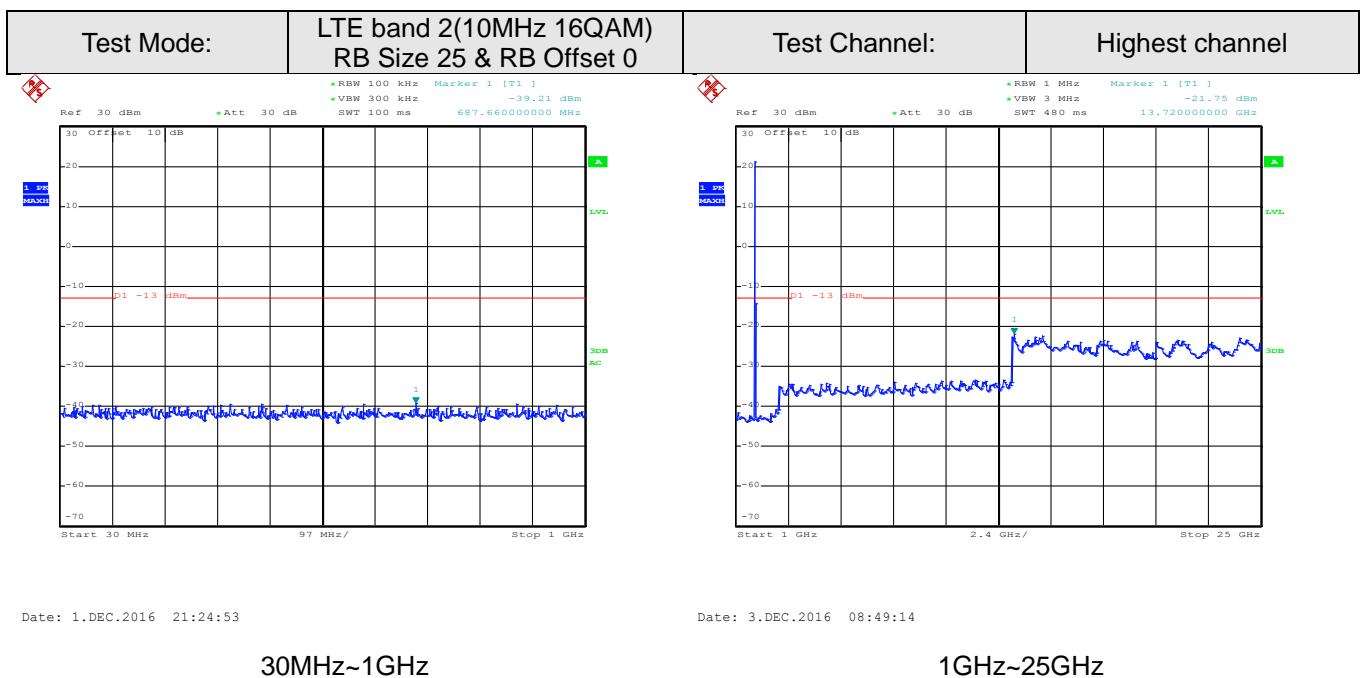
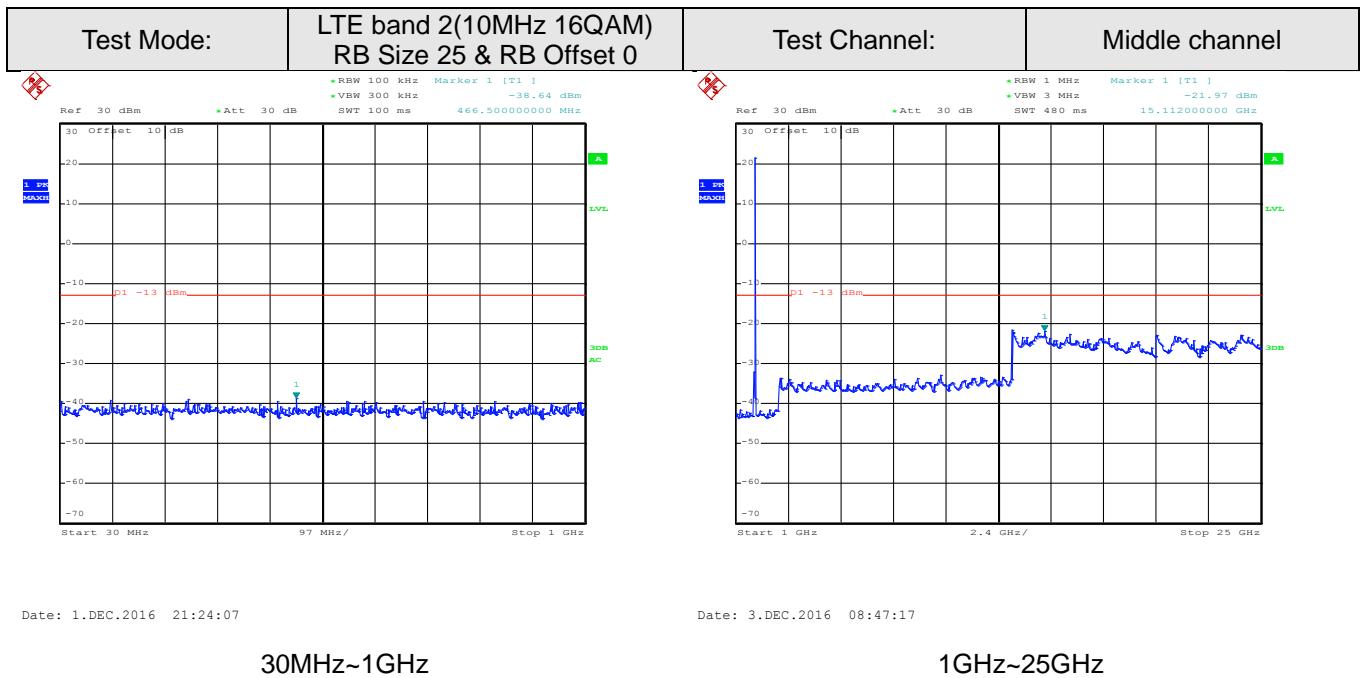


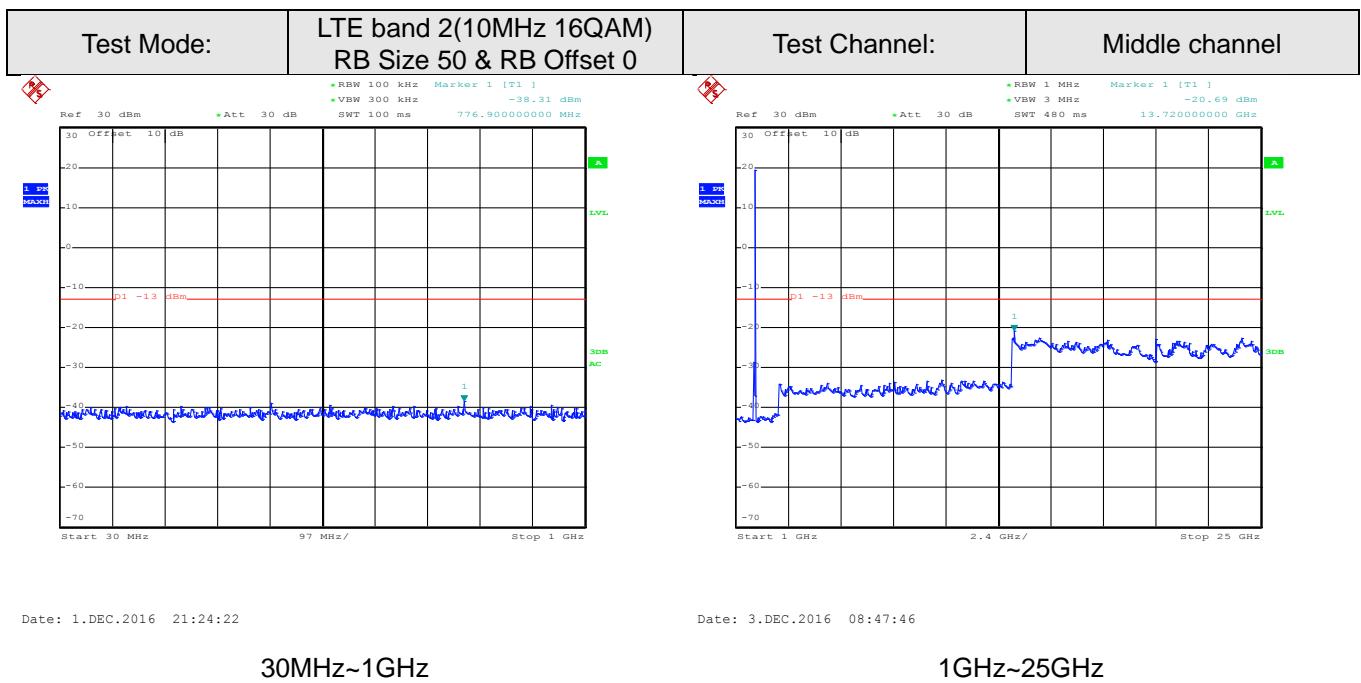
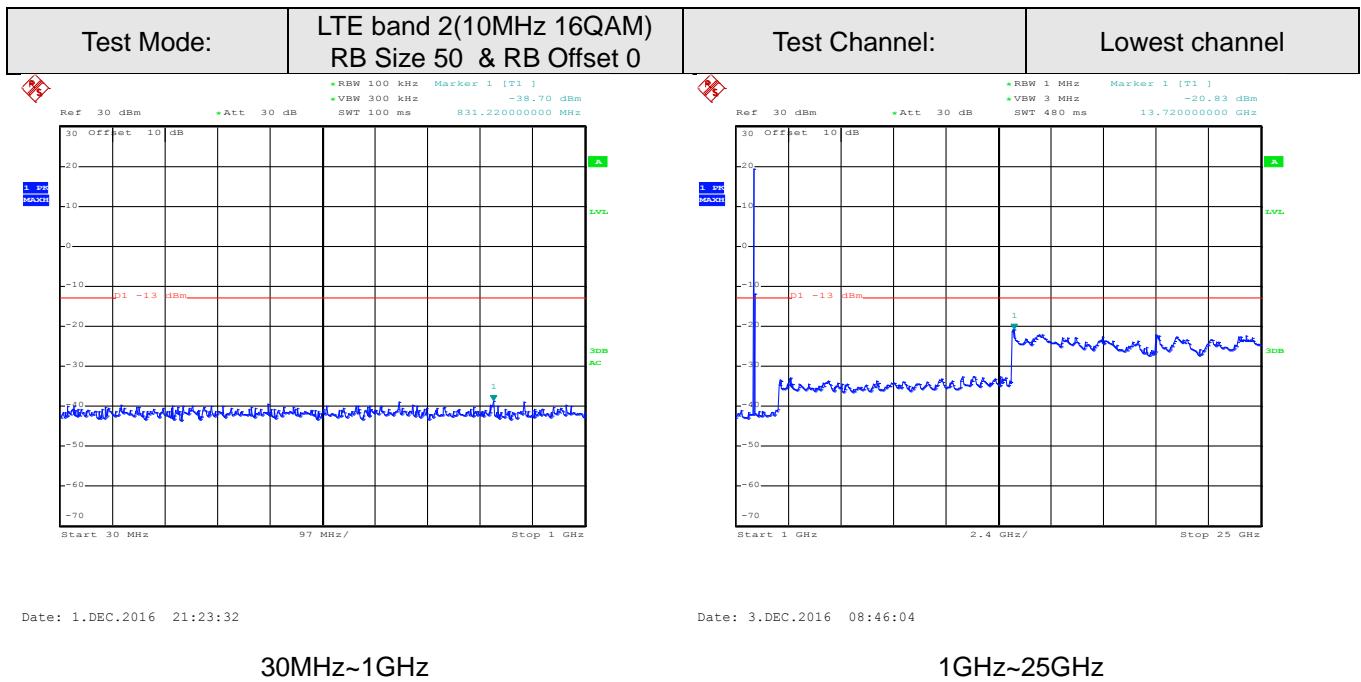


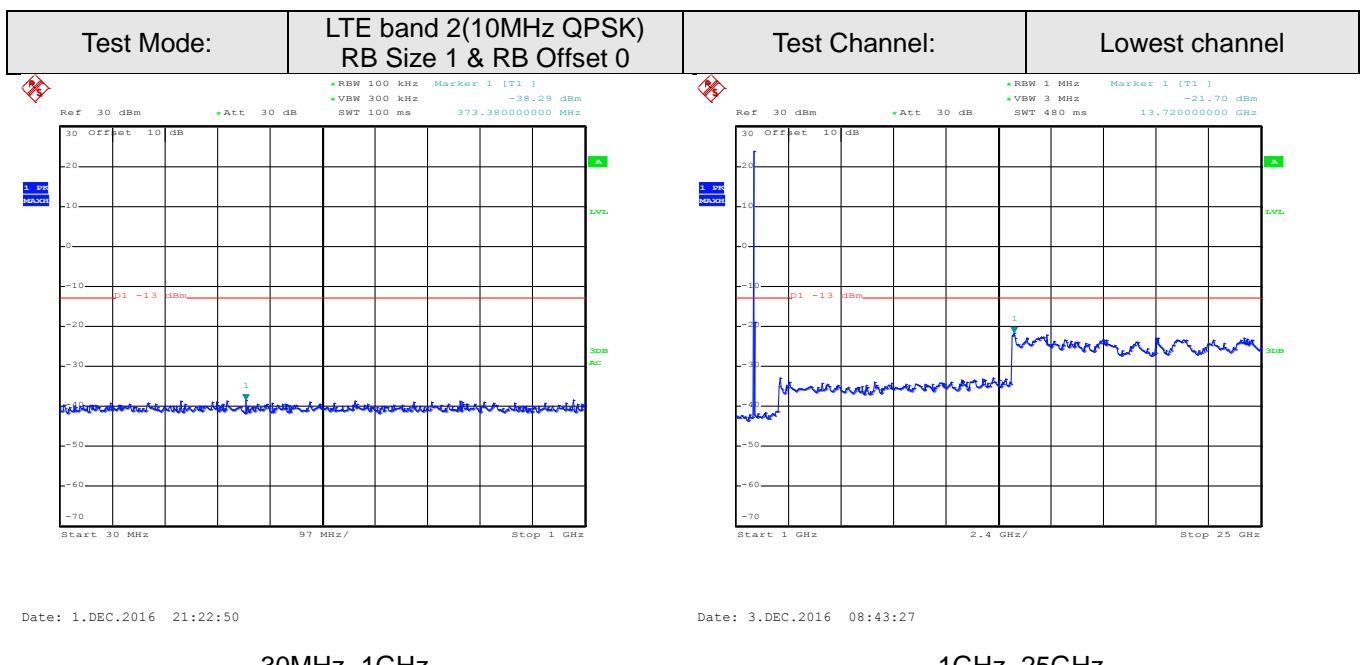
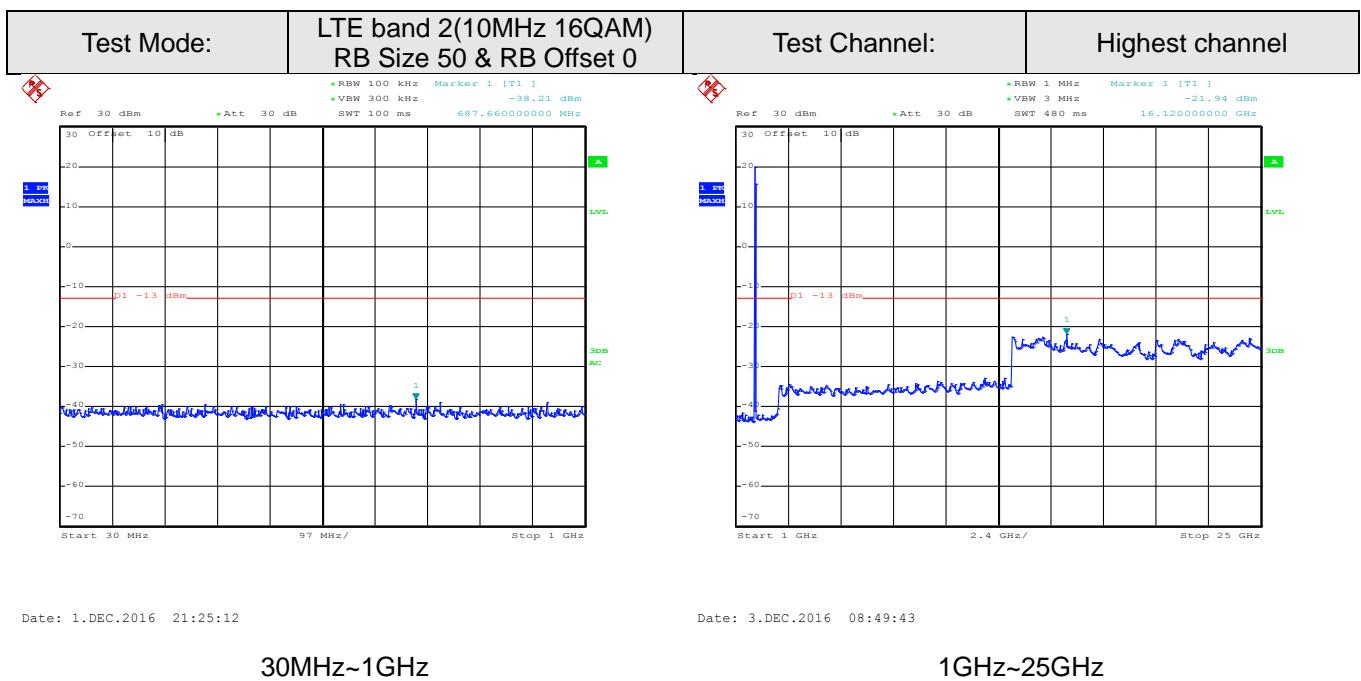
## 10MHz

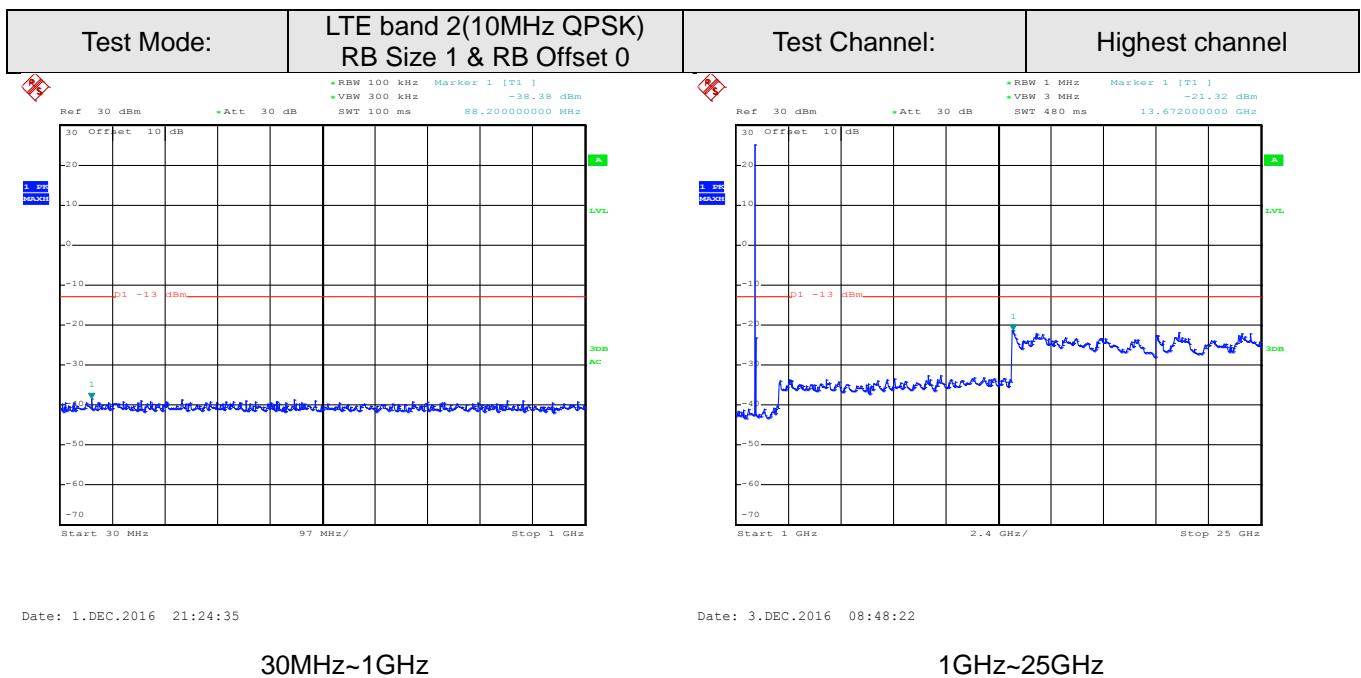
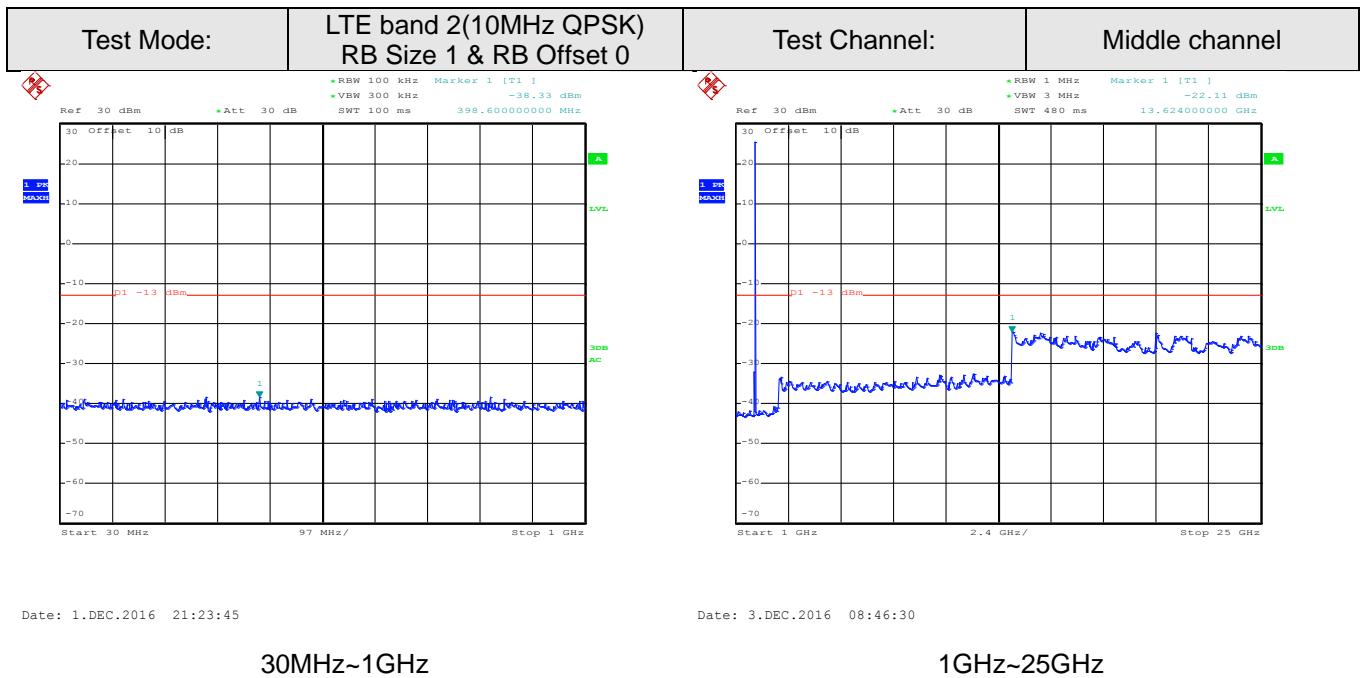


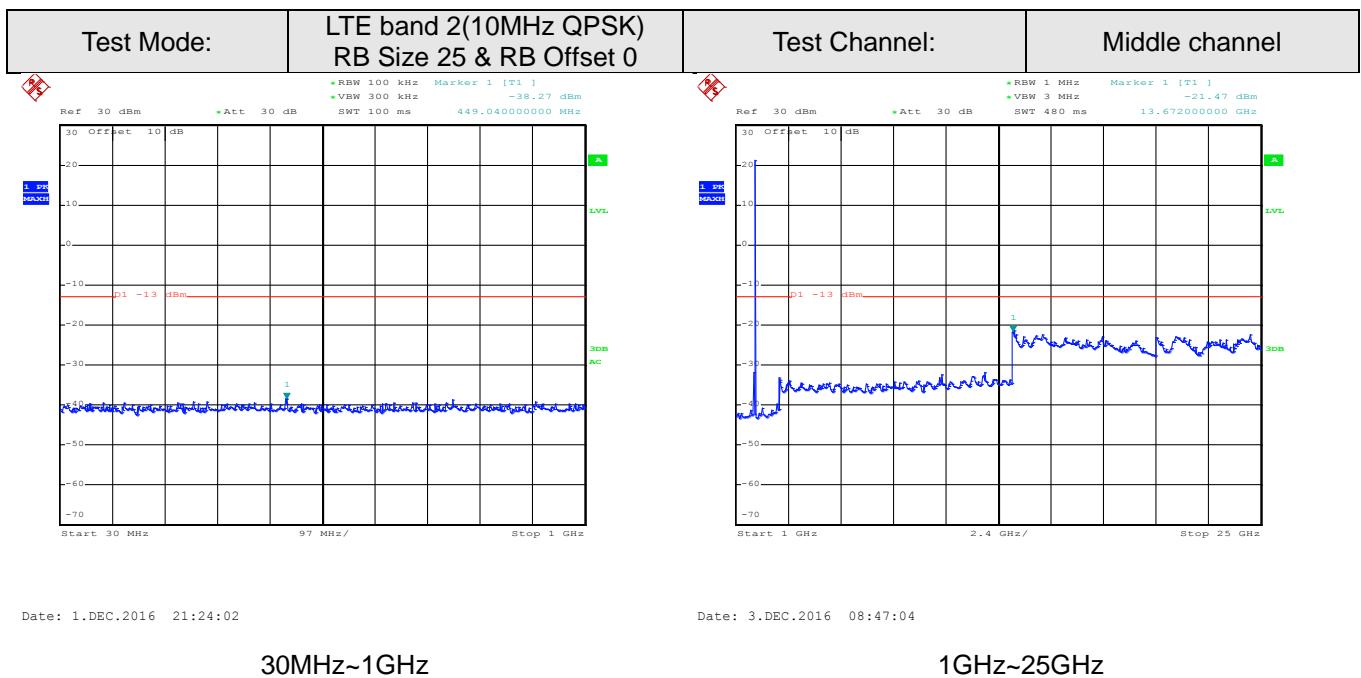
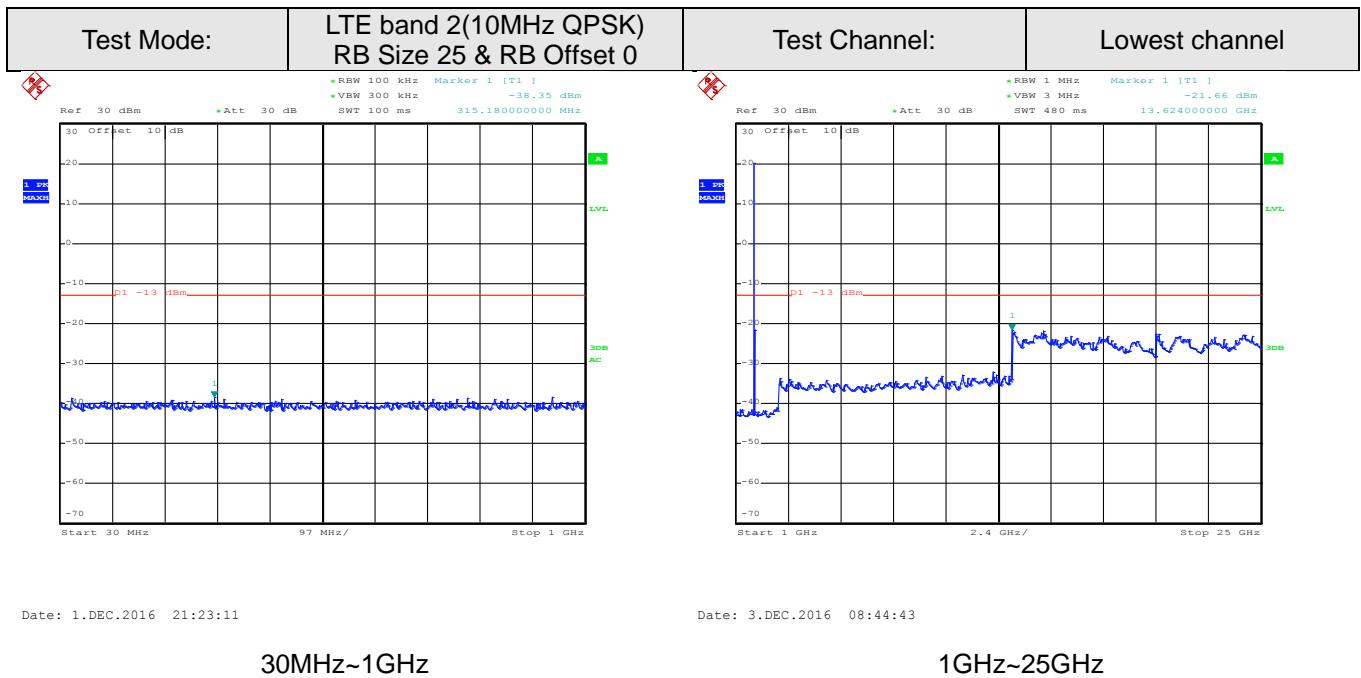


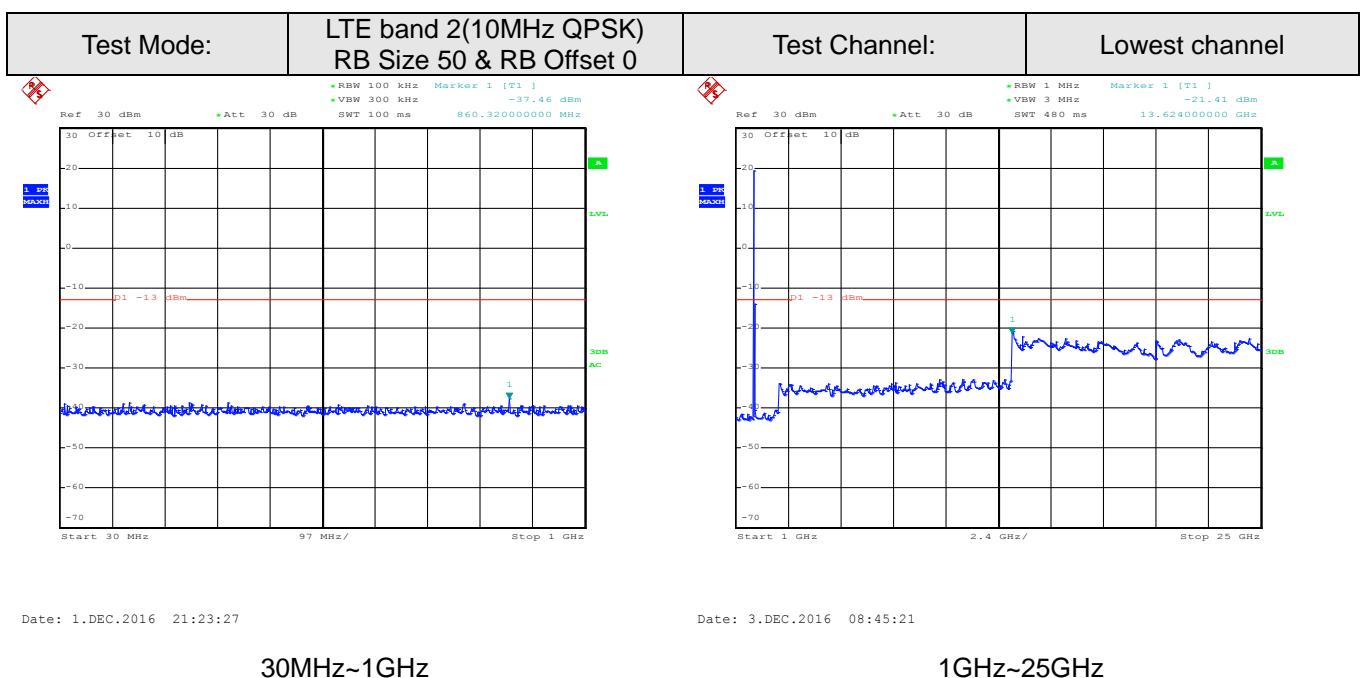
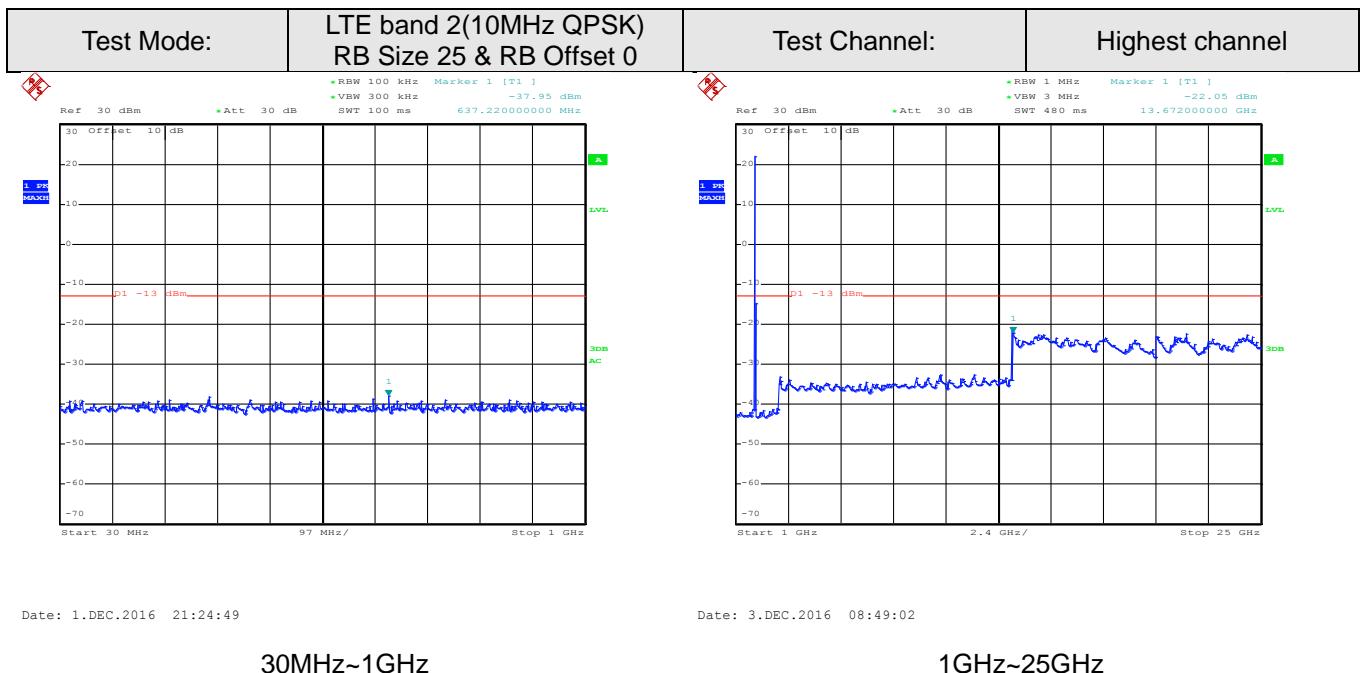


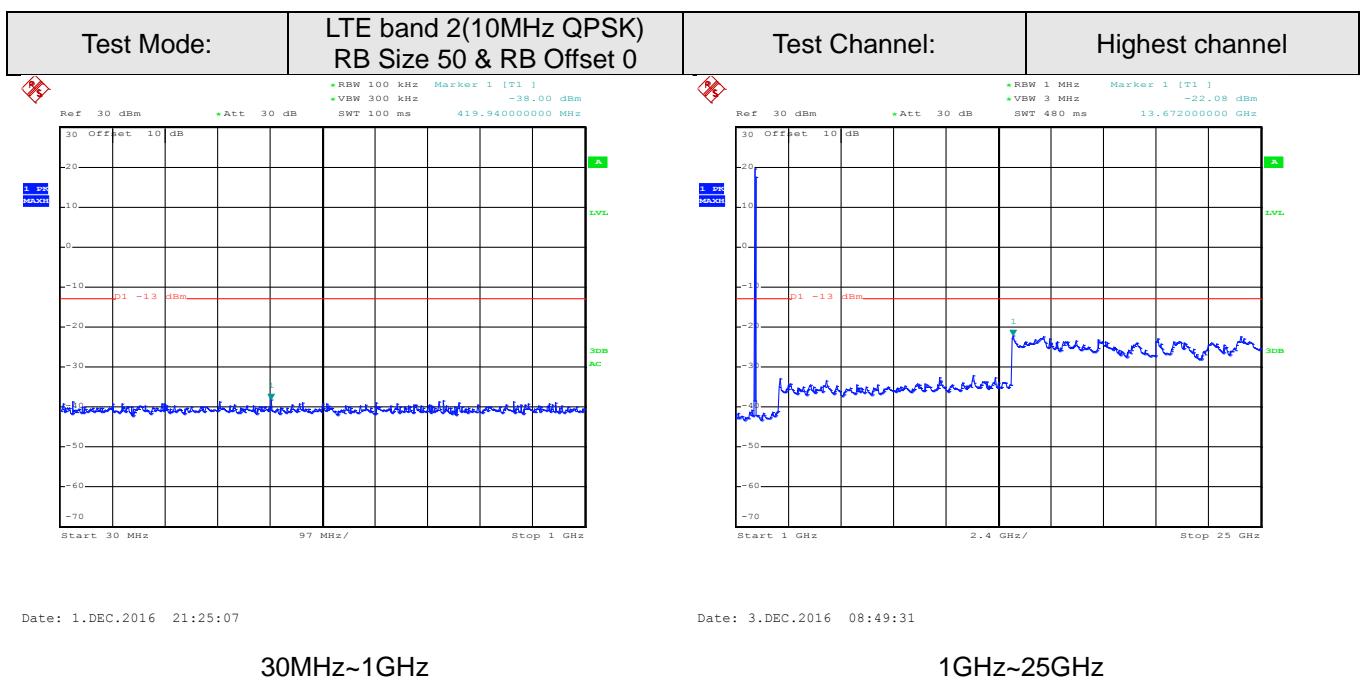
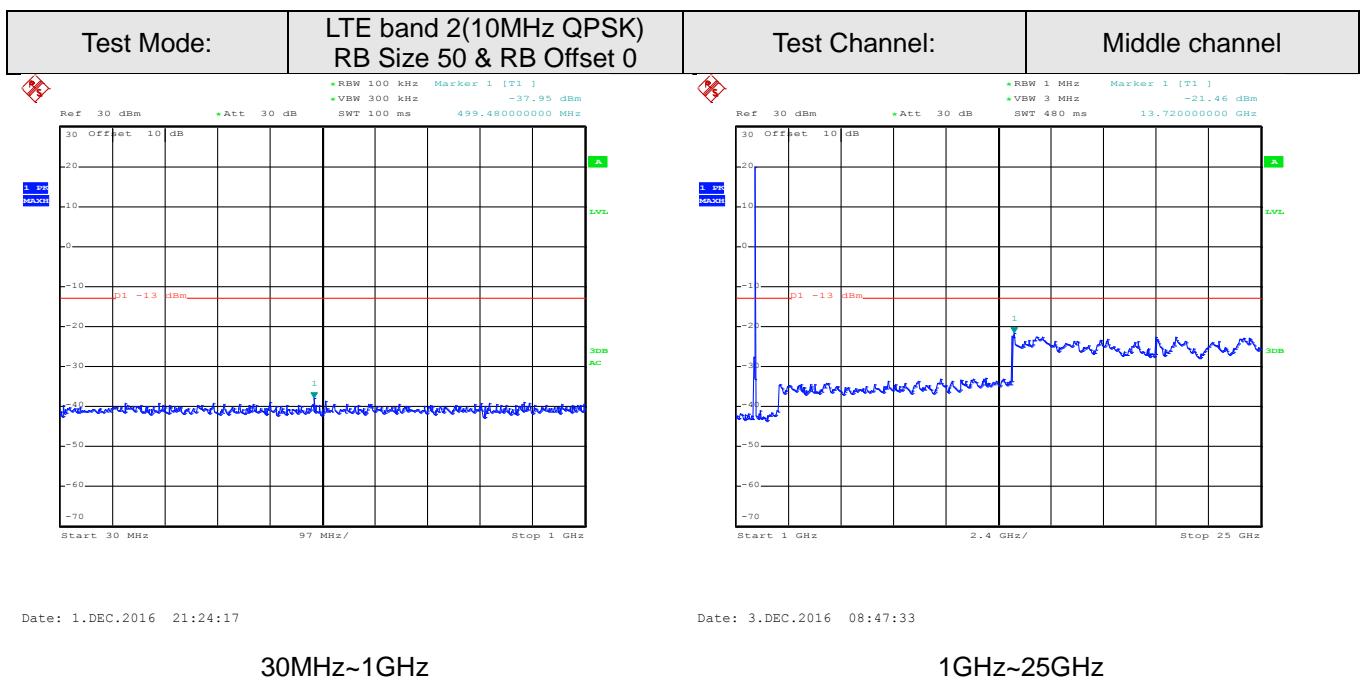




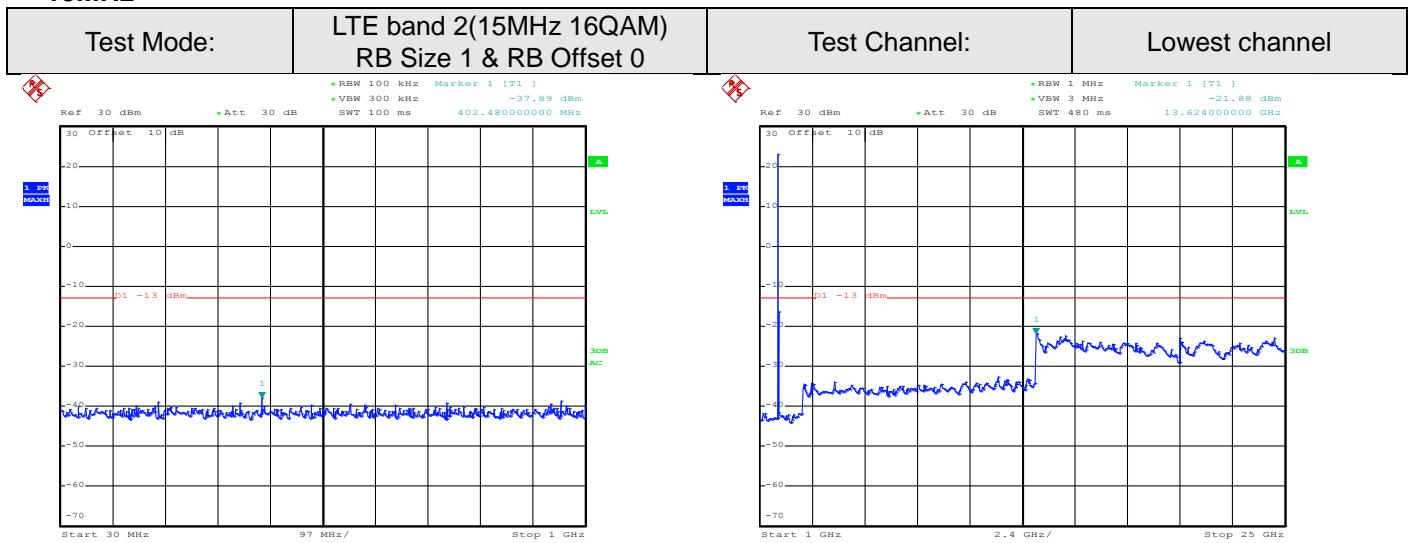








## 15MHz

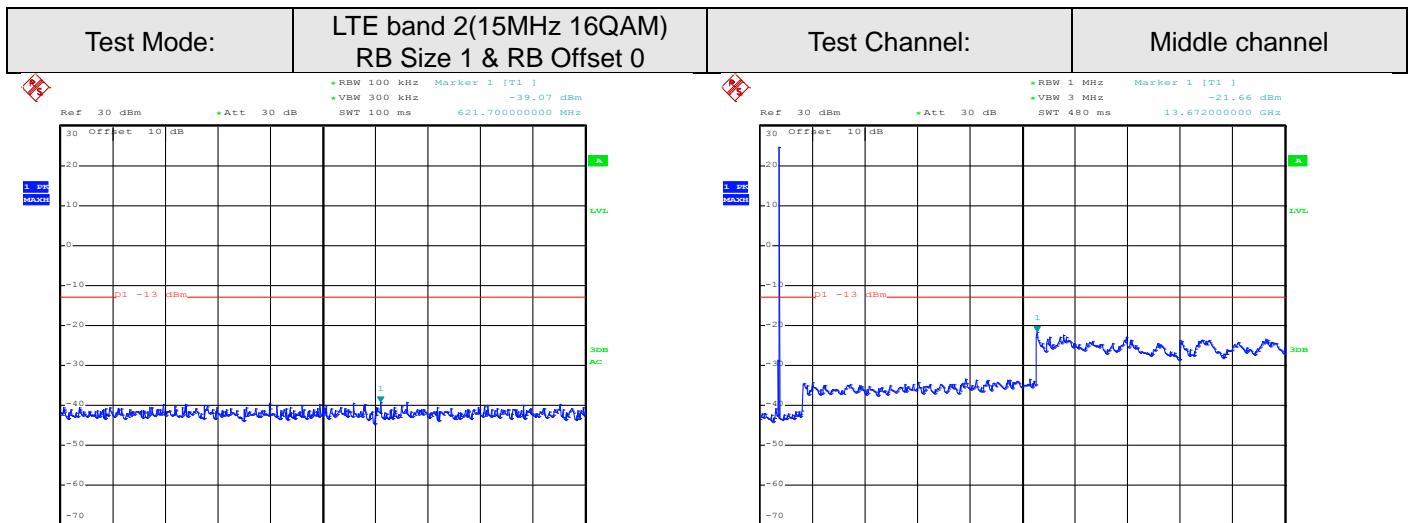


Date: 1.DEC.2016 21:25:34

30MHz~1GHz

Date: 3.DEC.2016 08:50:52

1GHz~25GHz

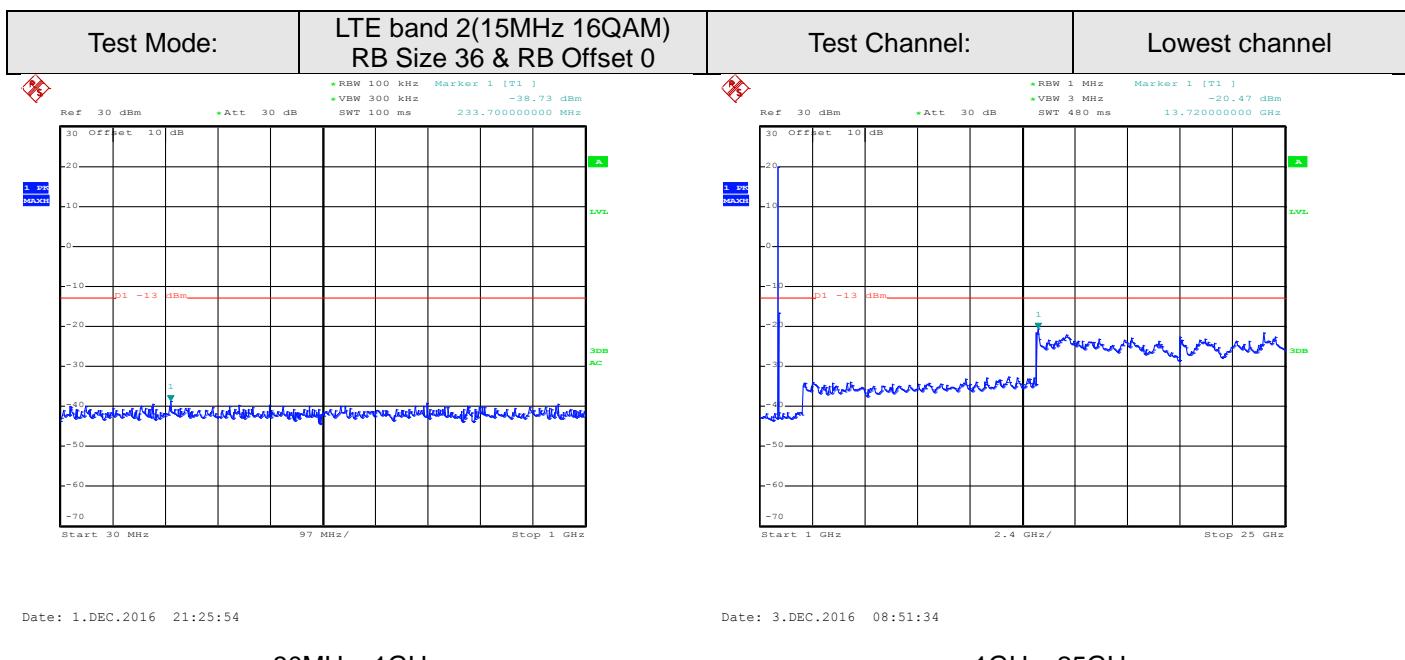
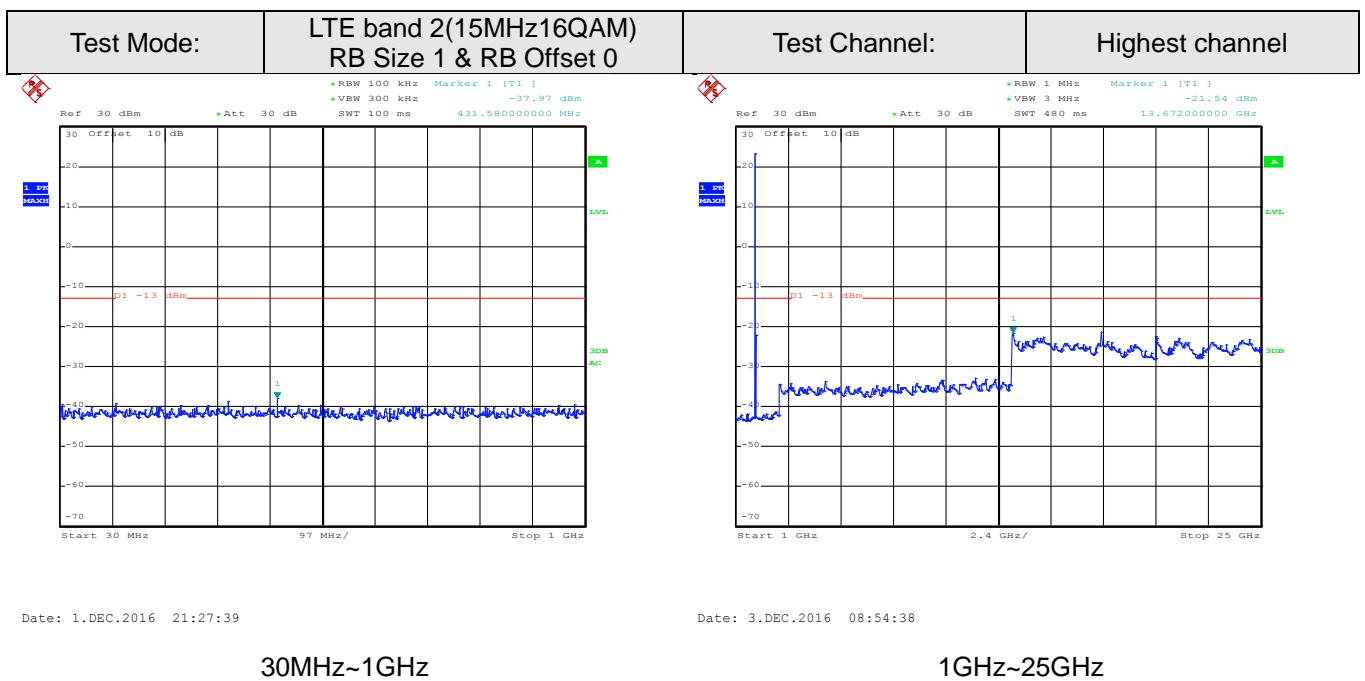


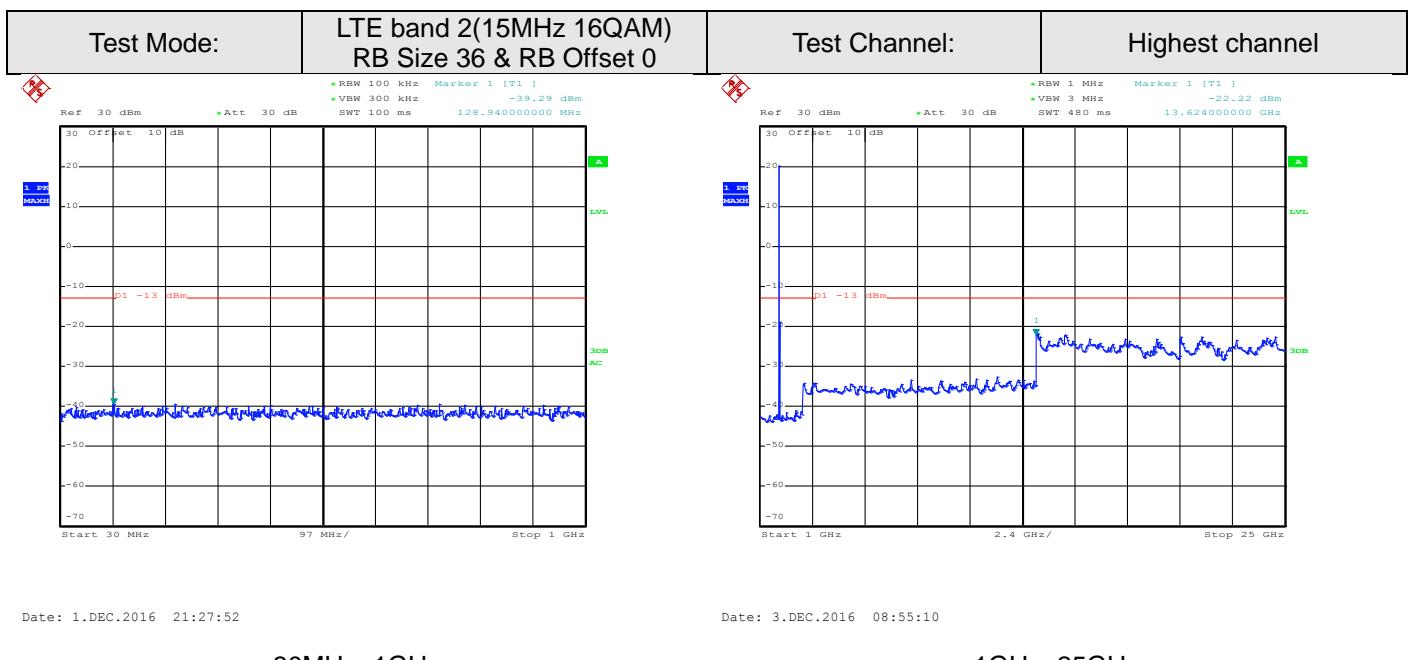
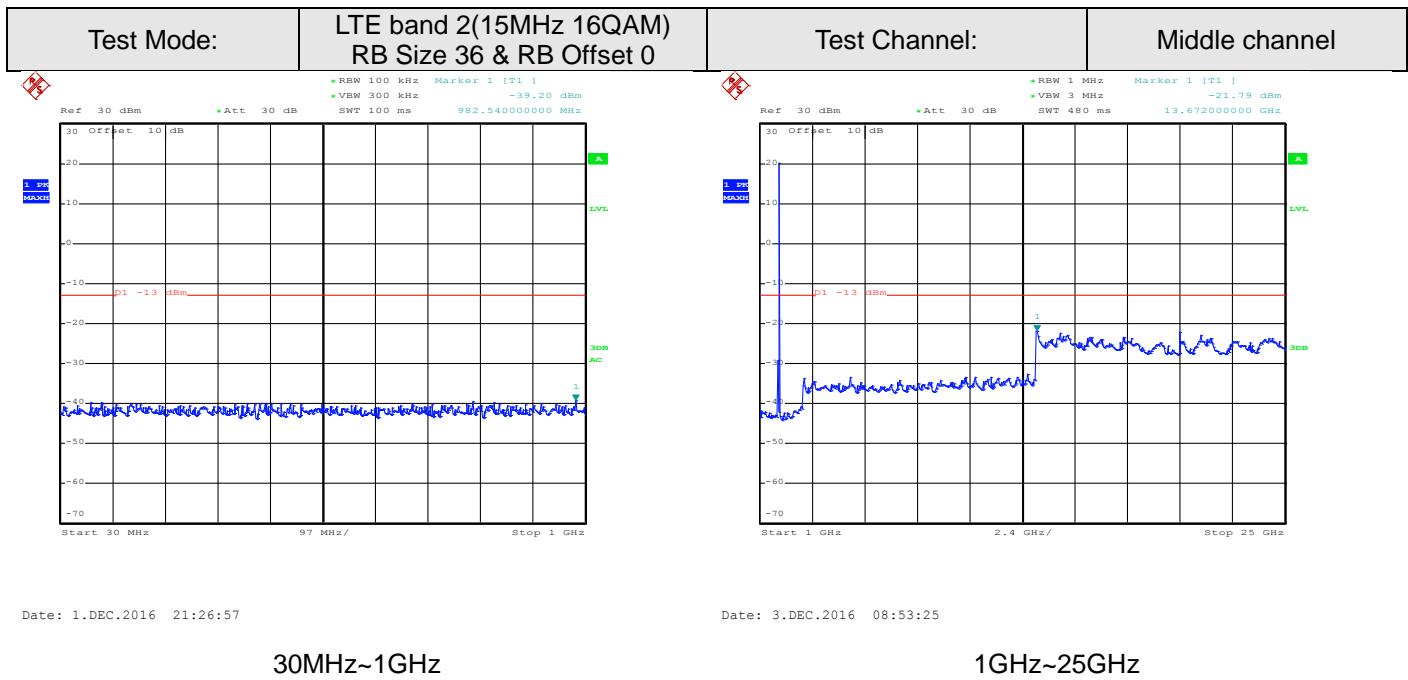
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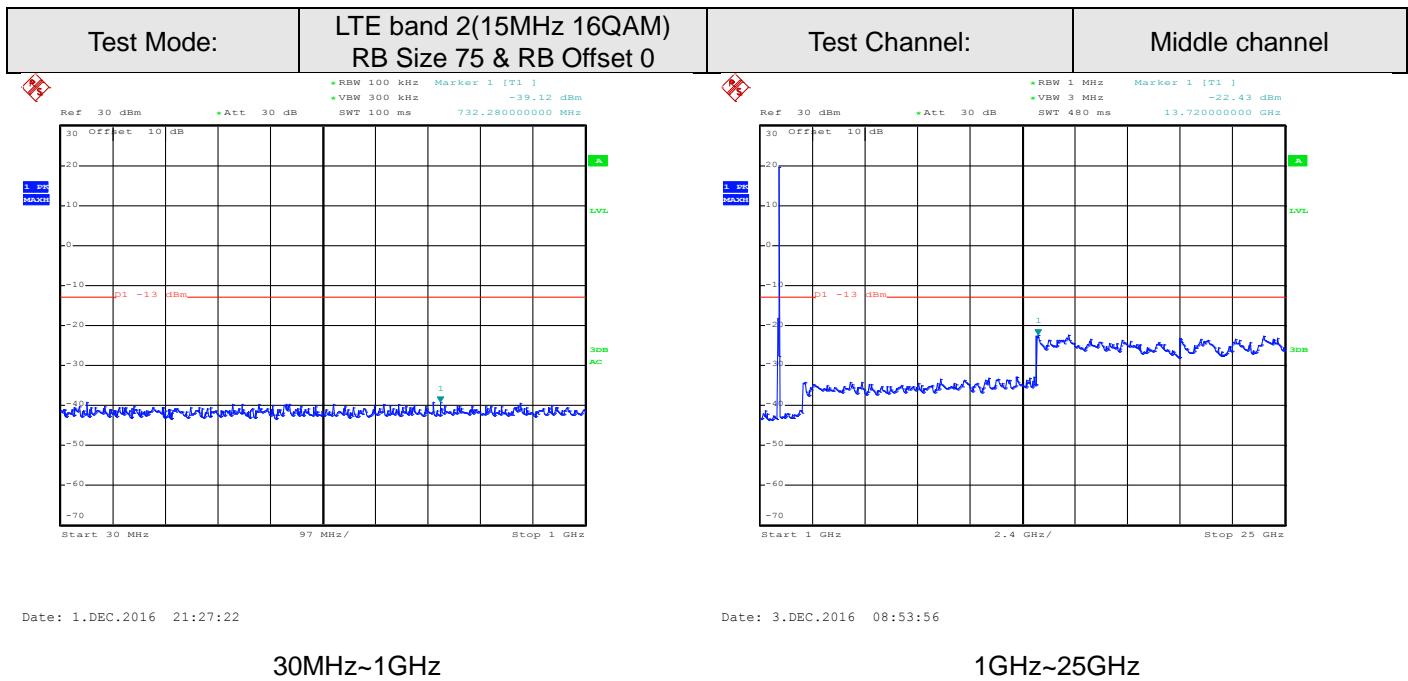
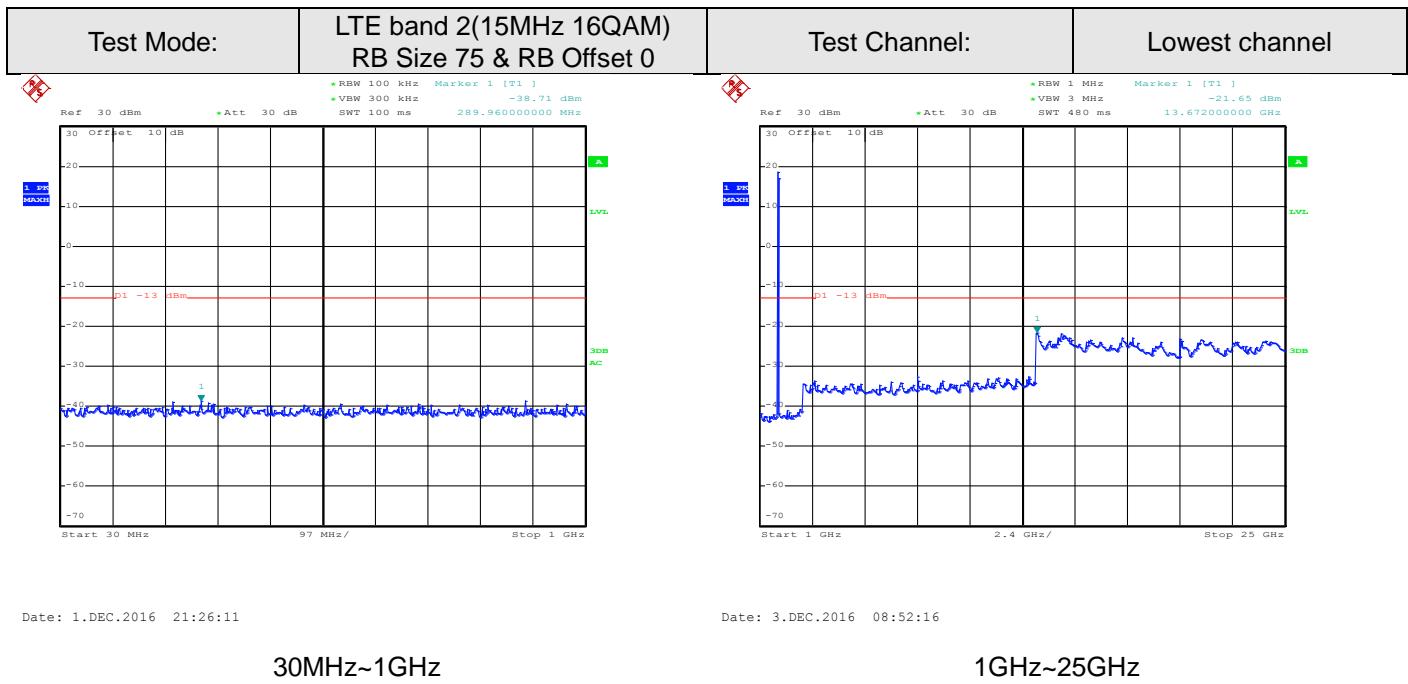
30MHz~1GHz

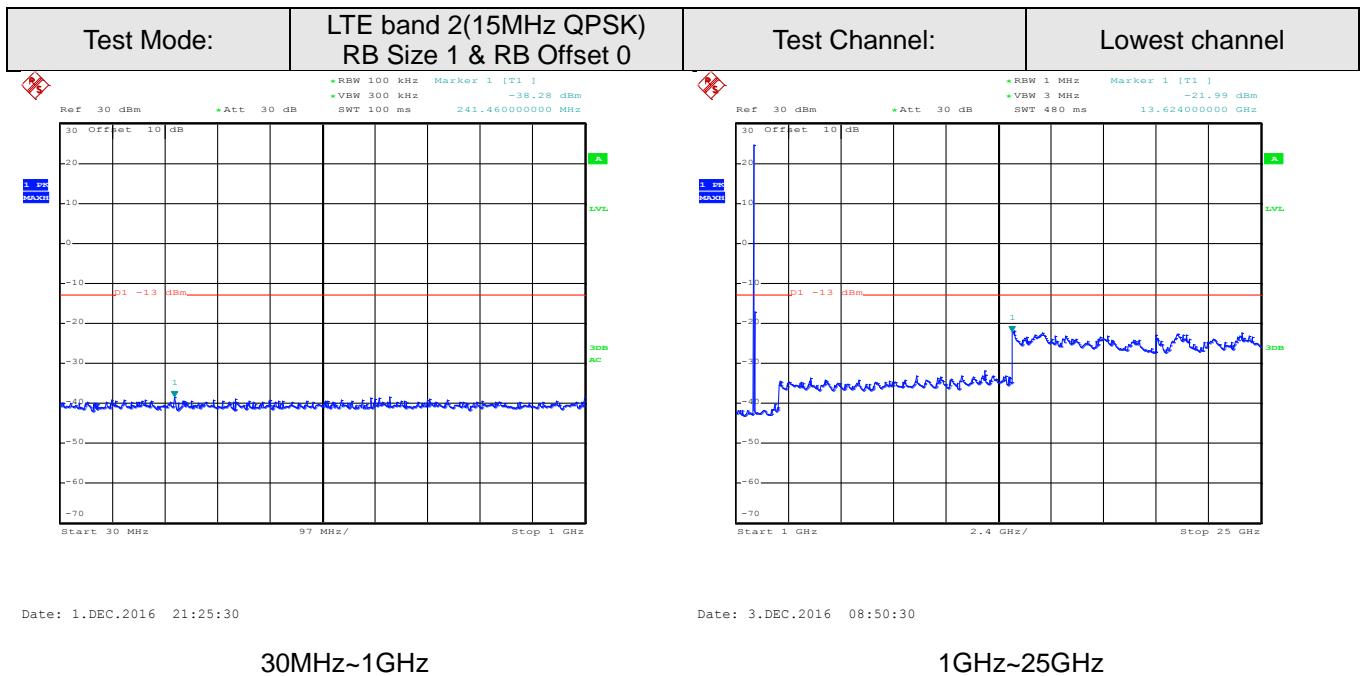
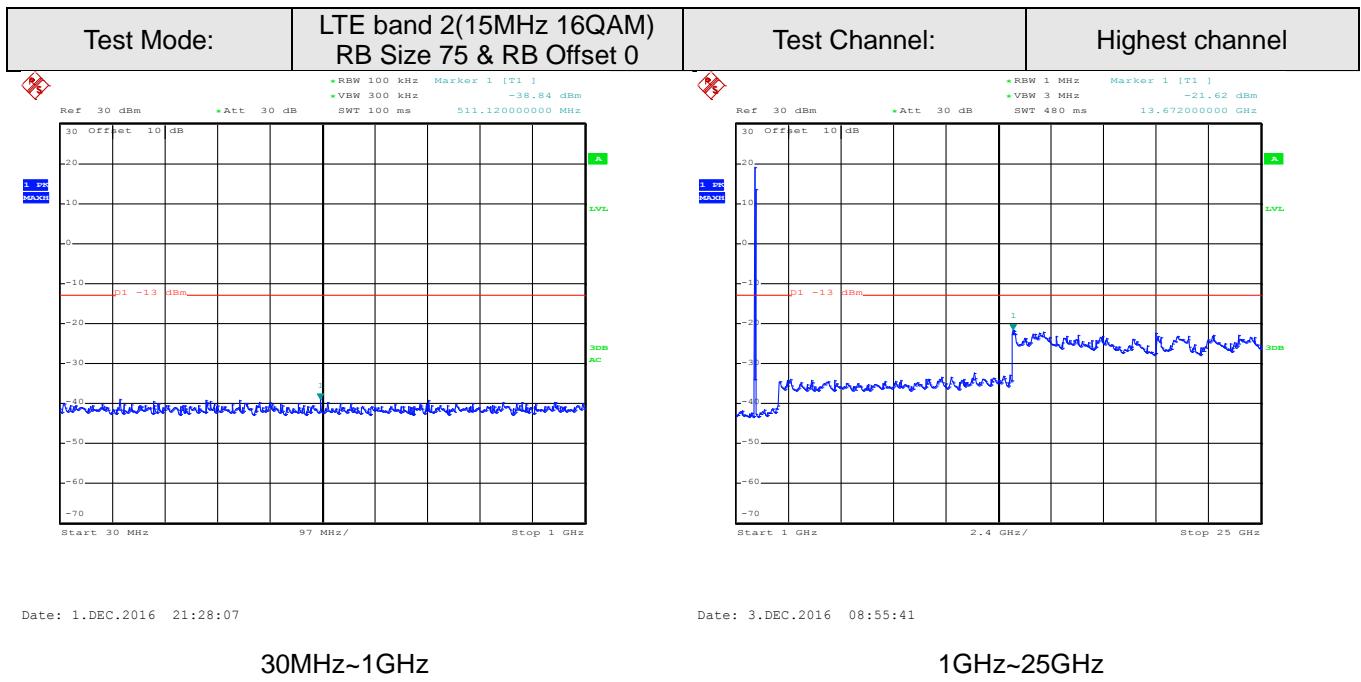
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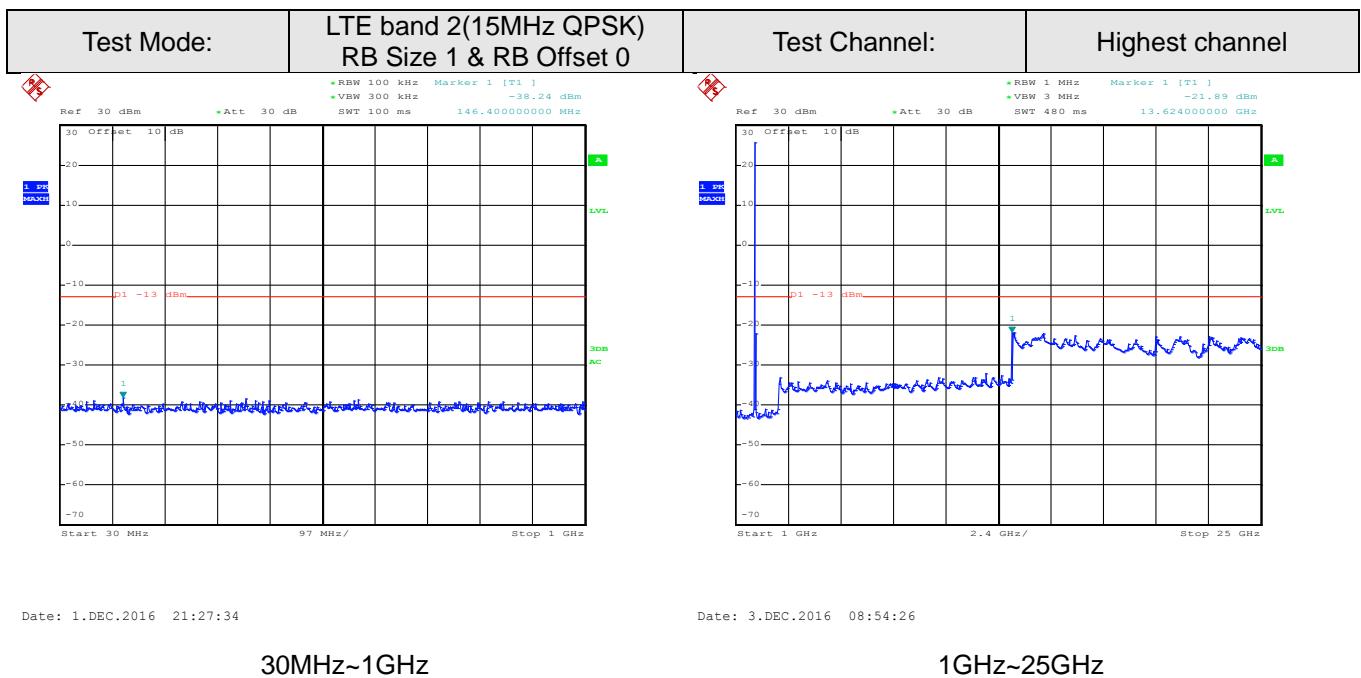
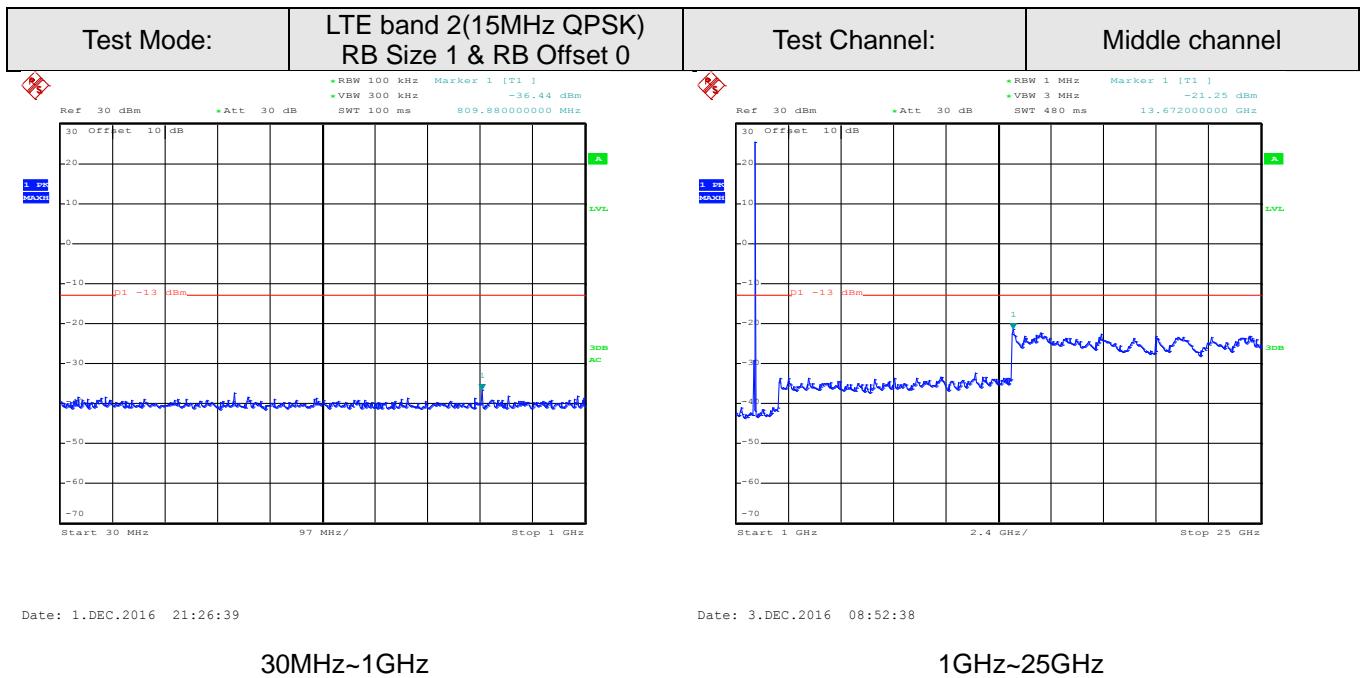
1GHz~25GHz

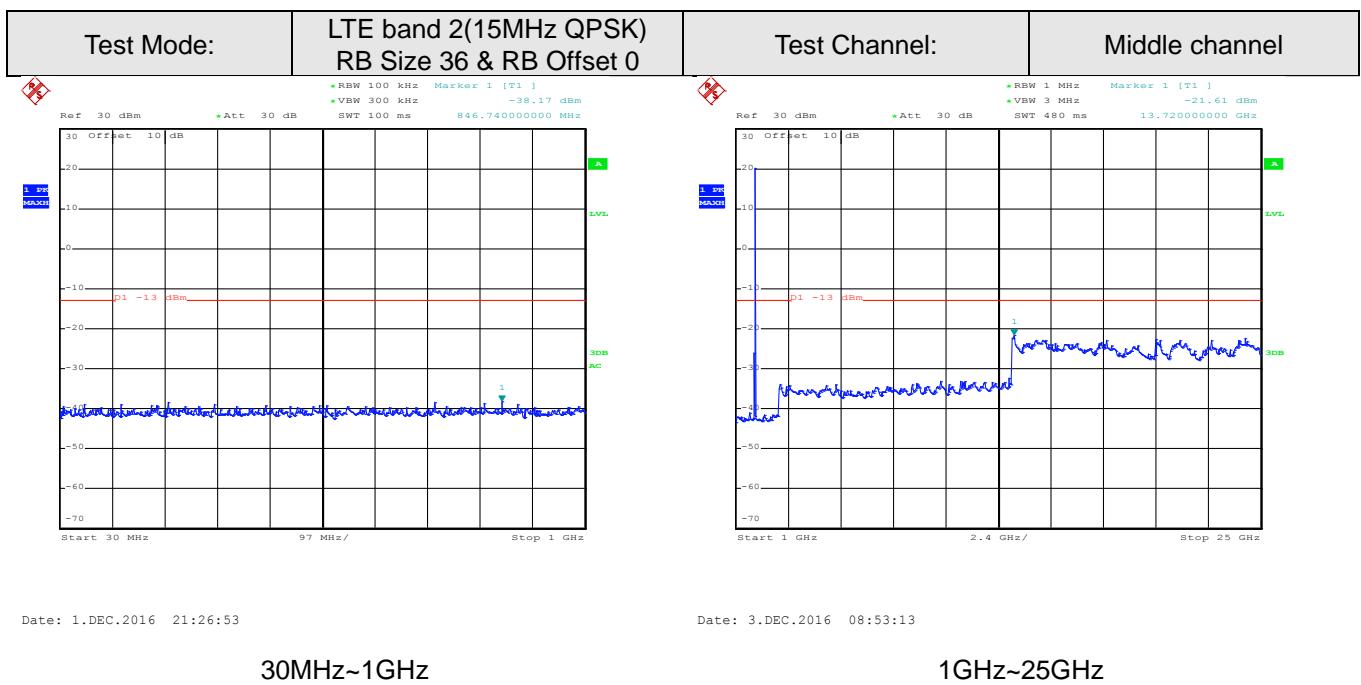
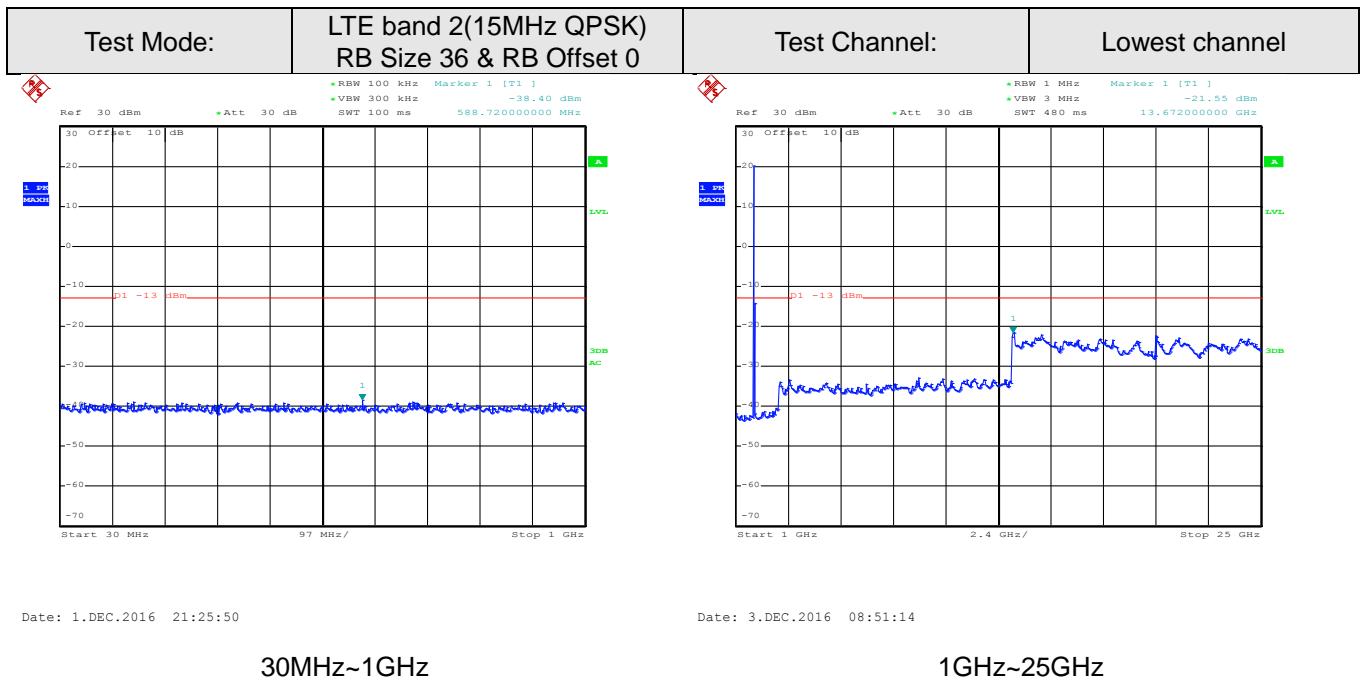


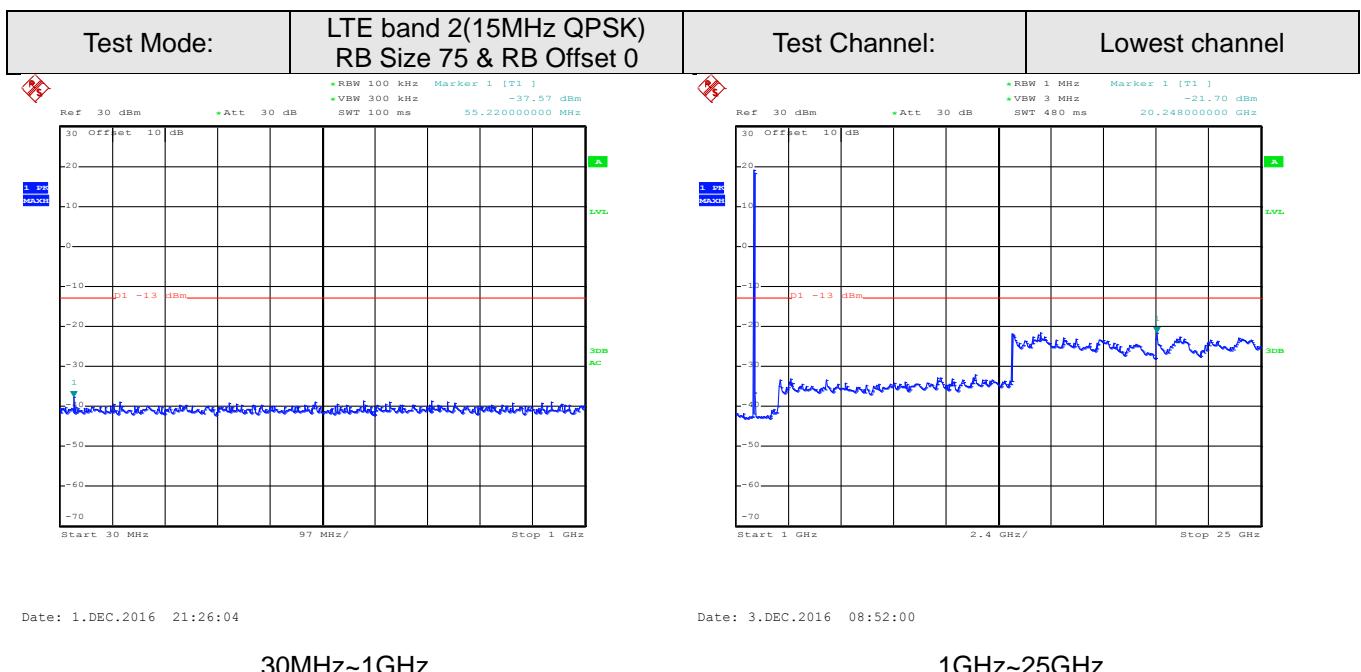
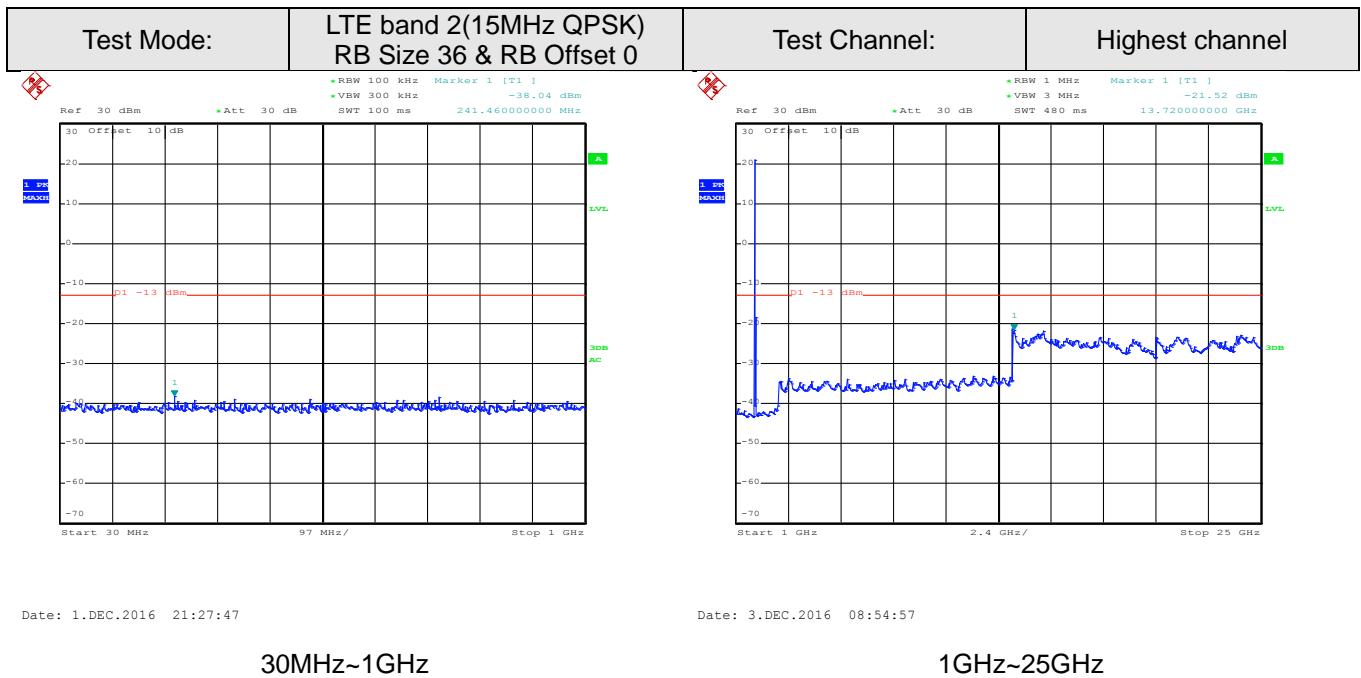


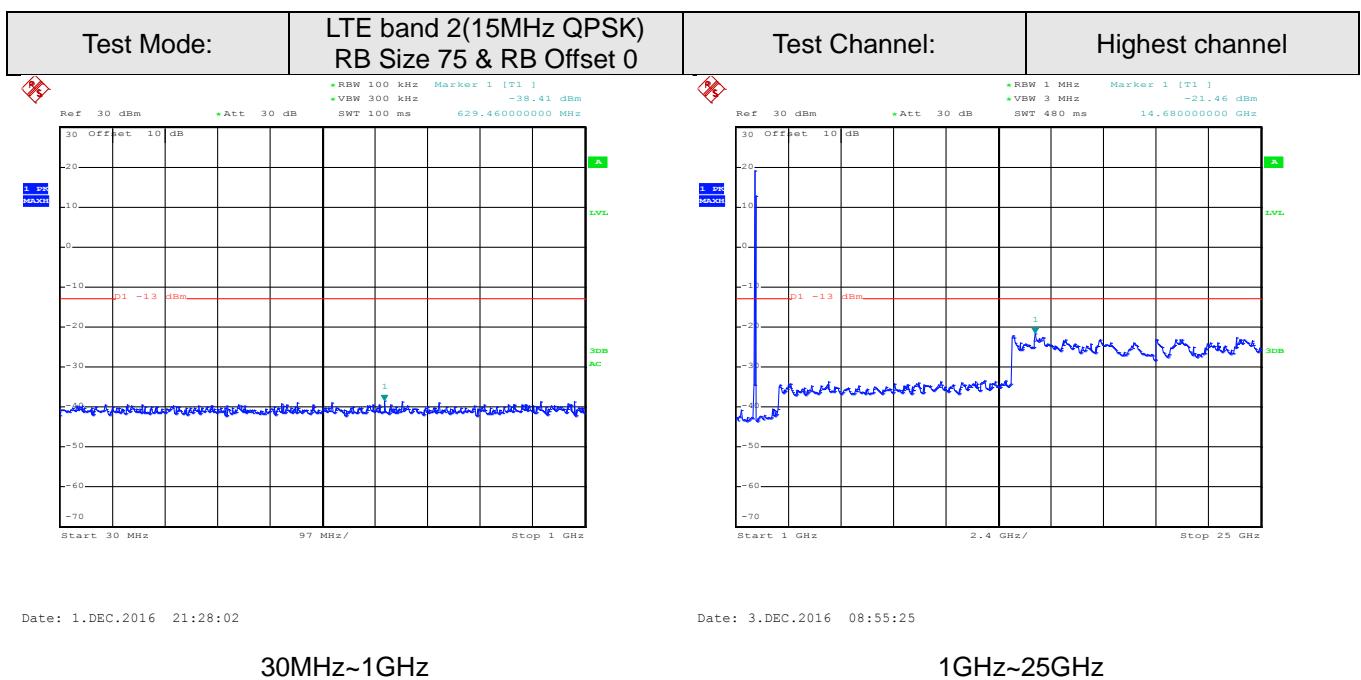
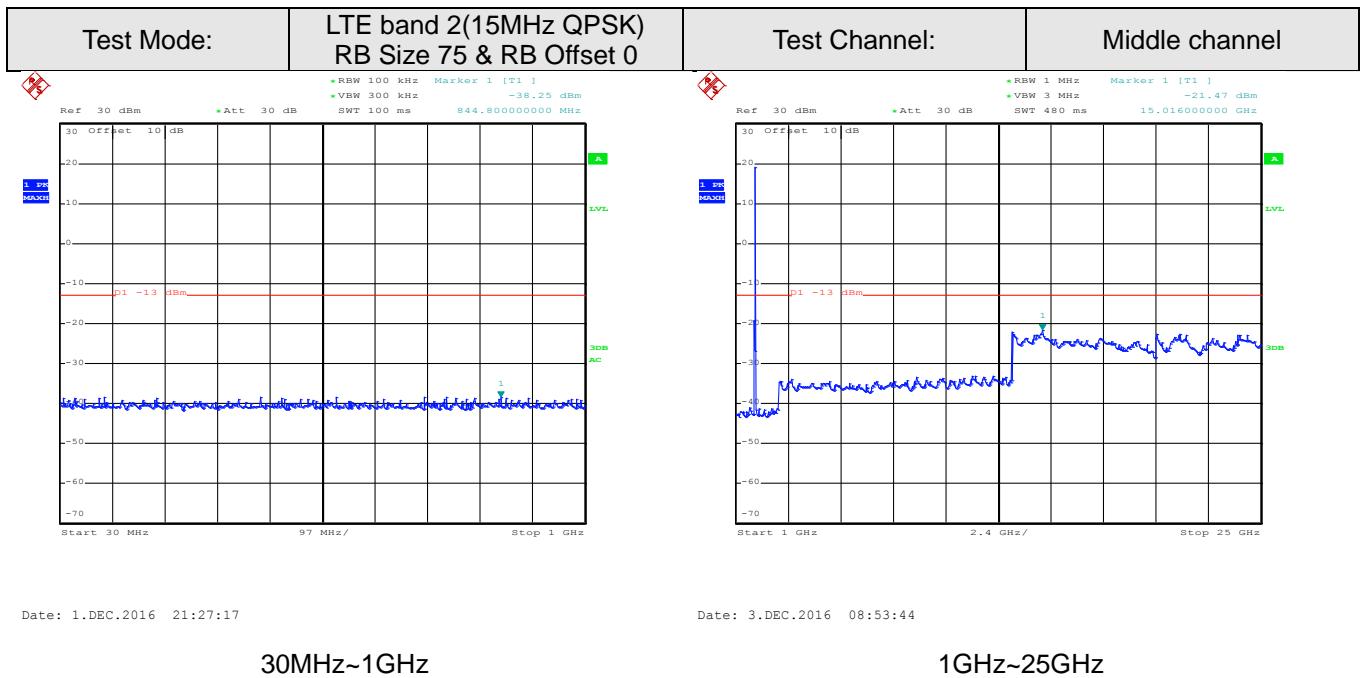




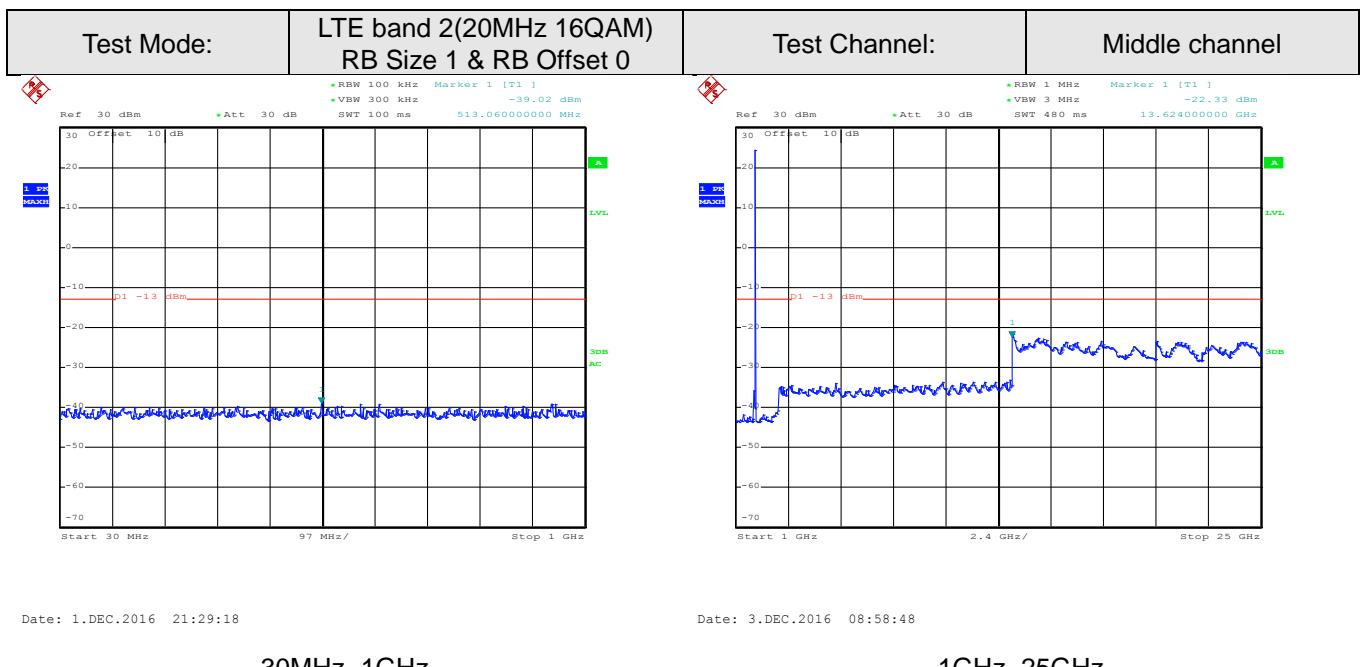
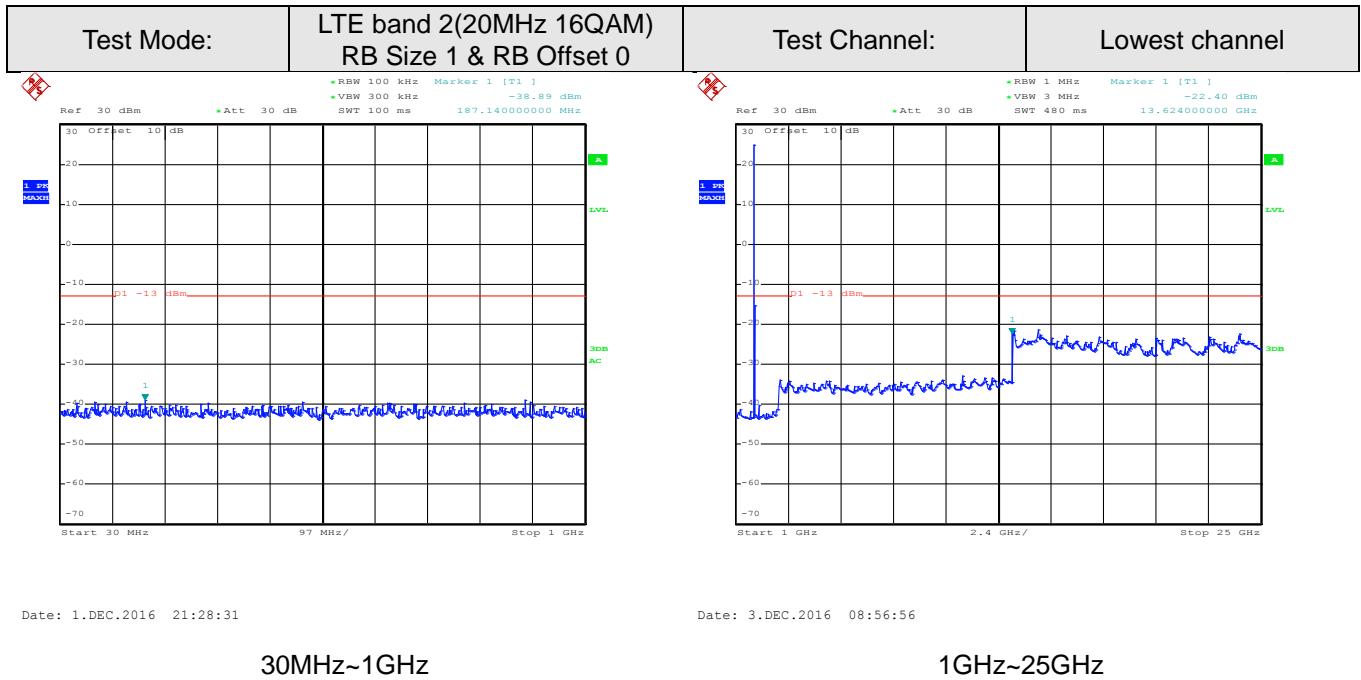


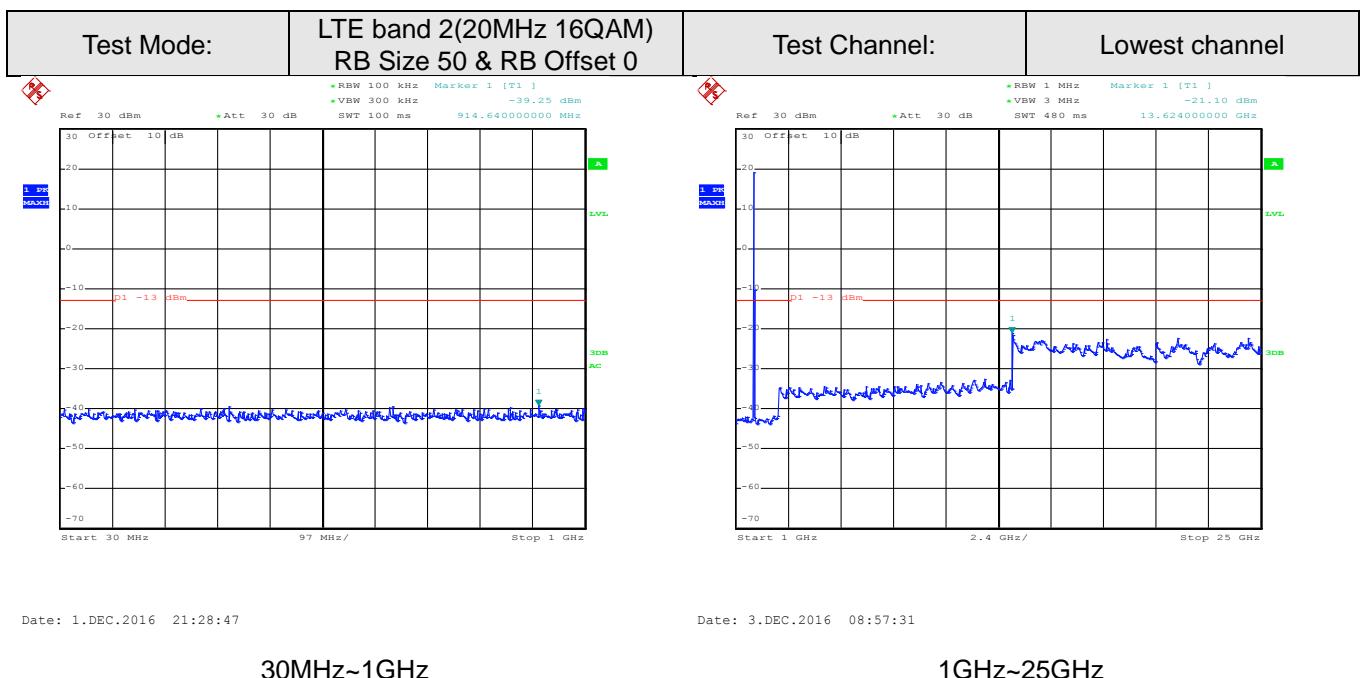
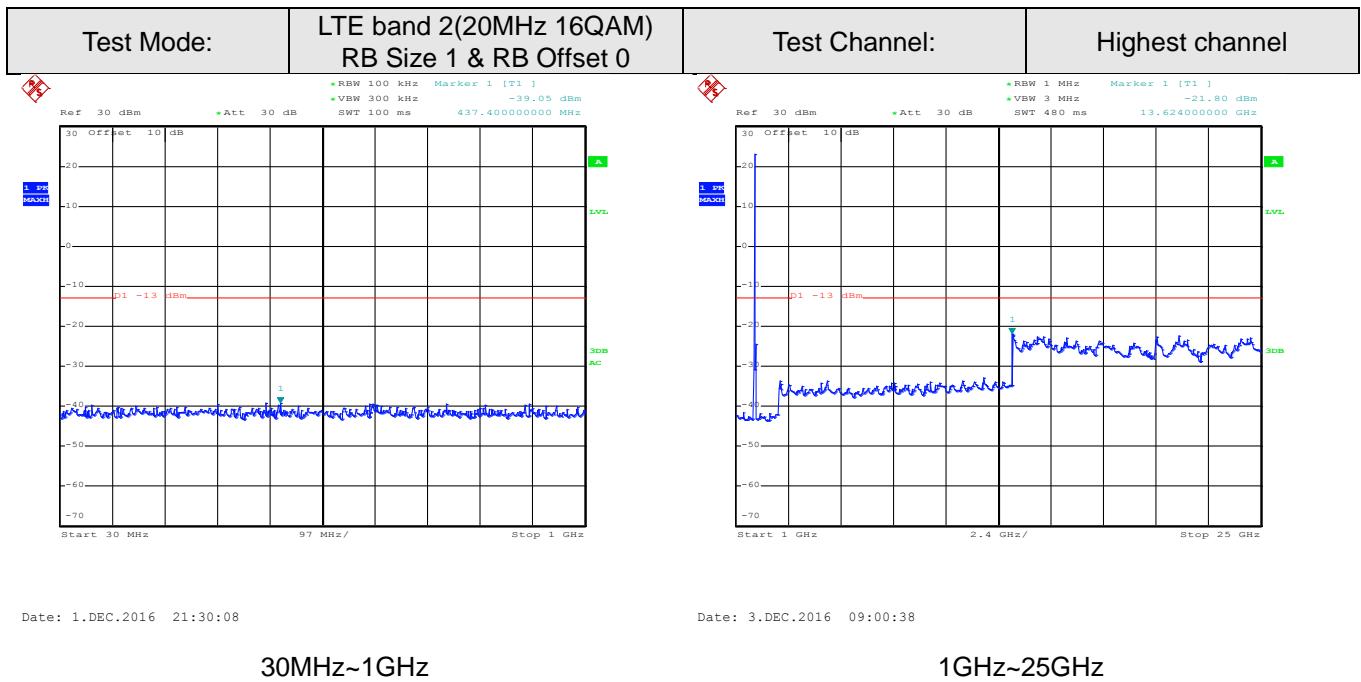


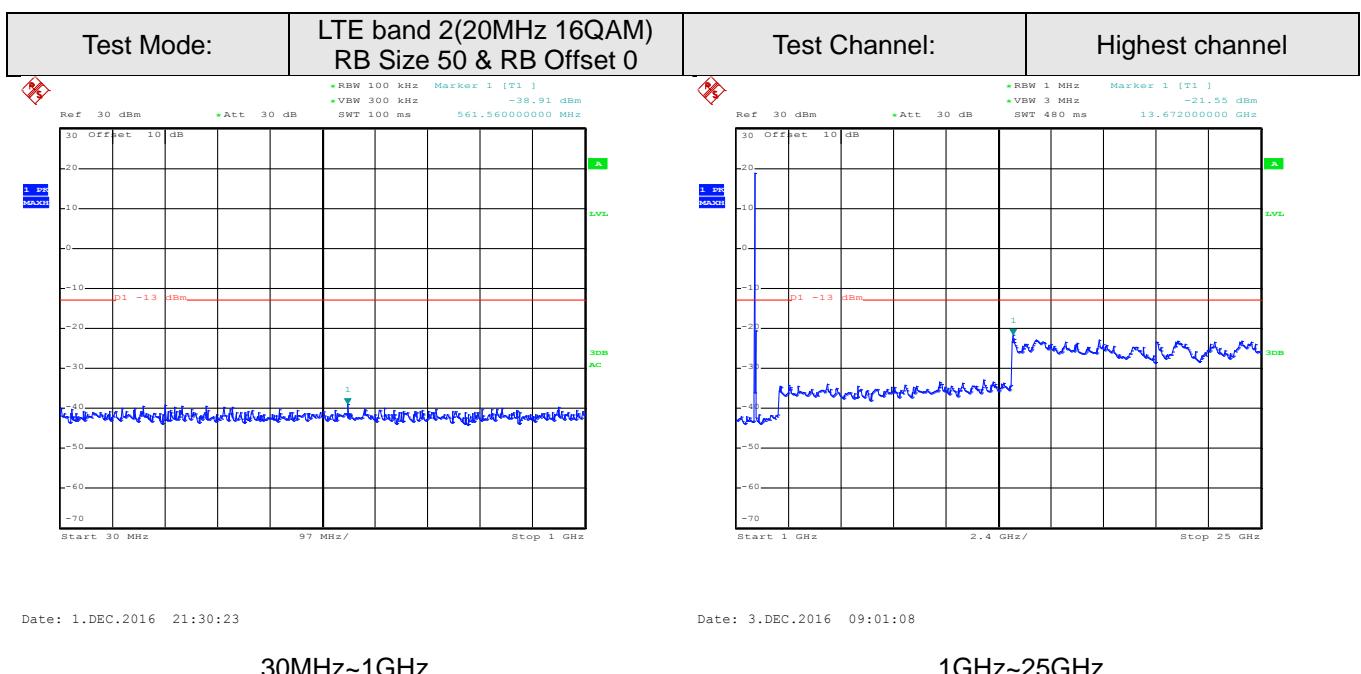
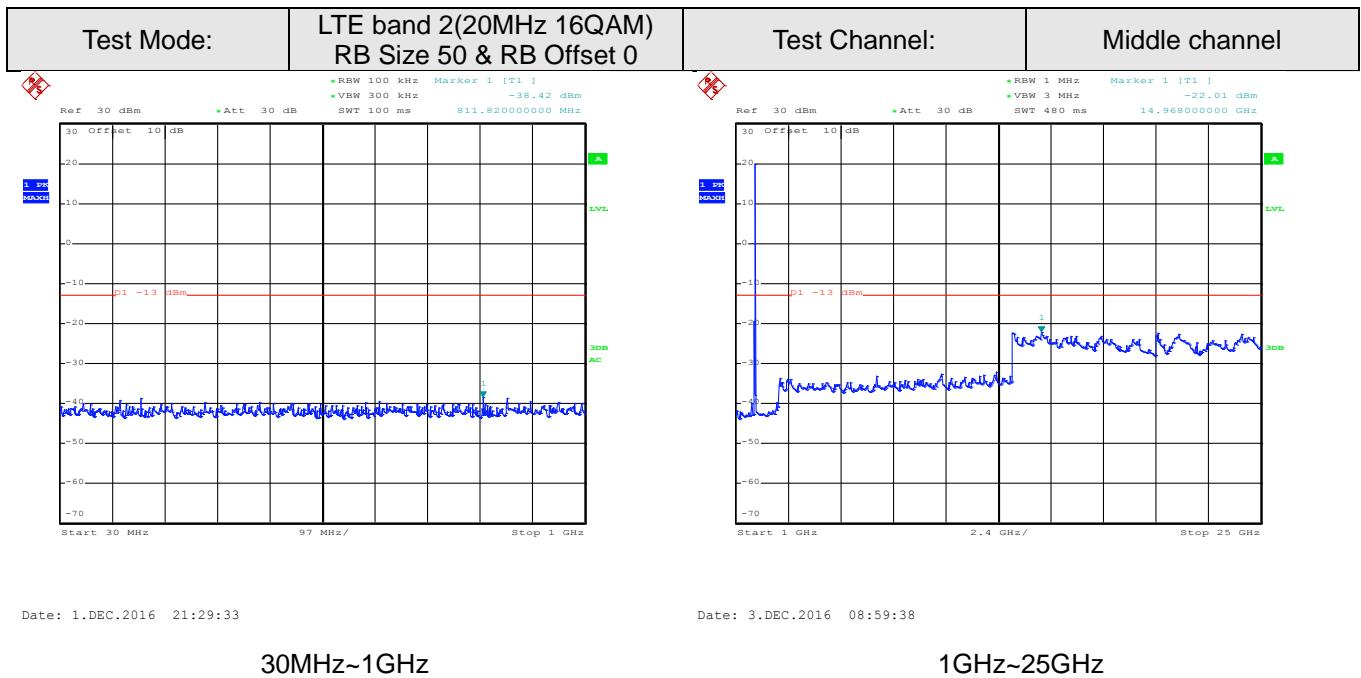


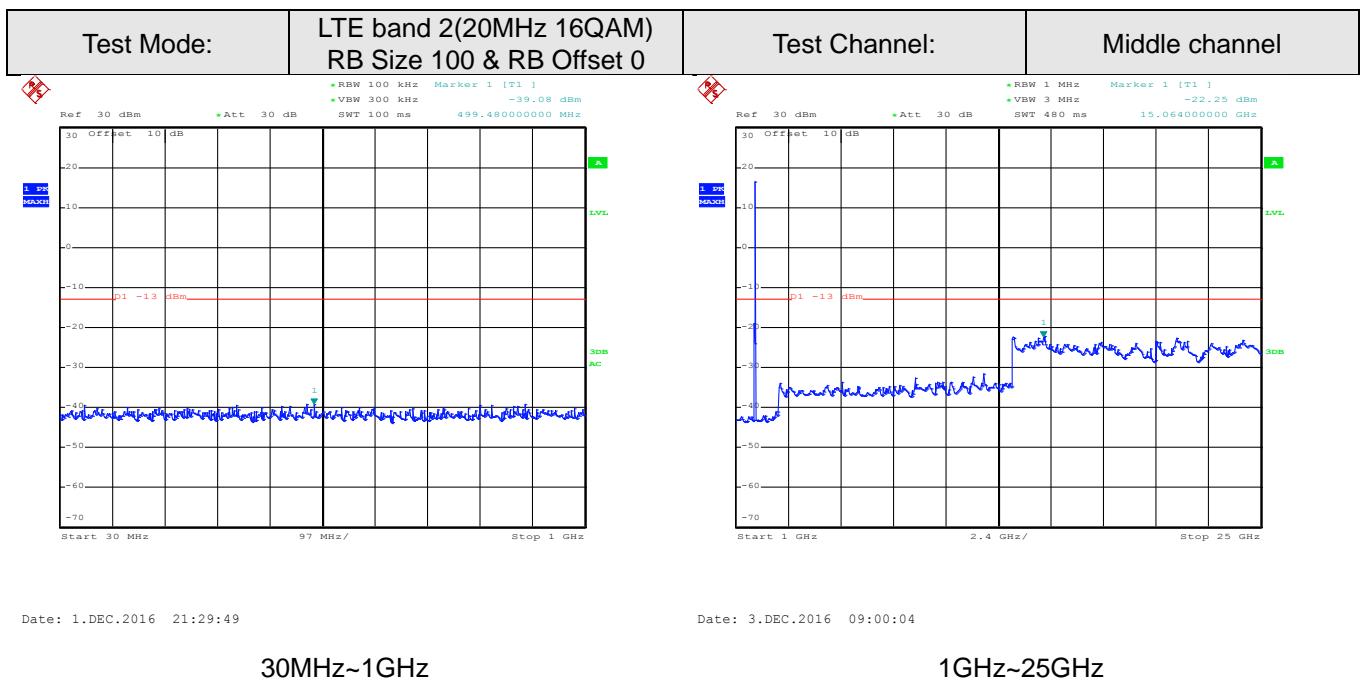
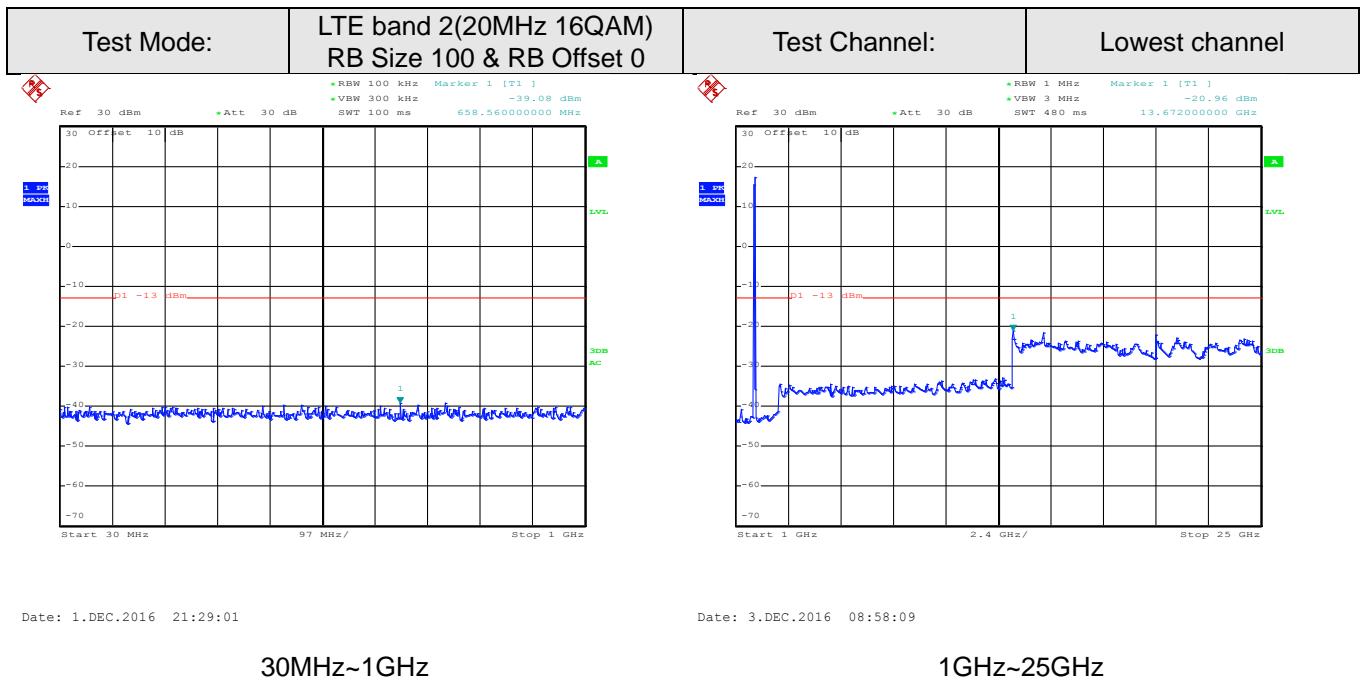


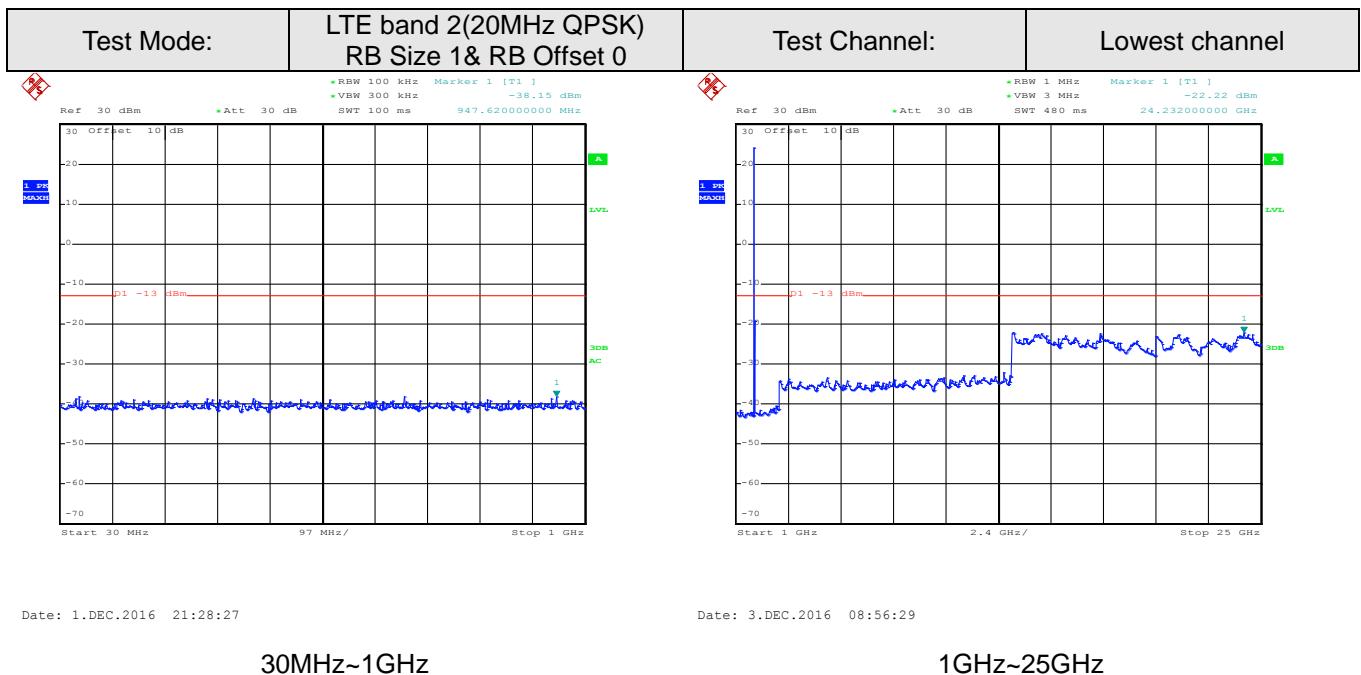
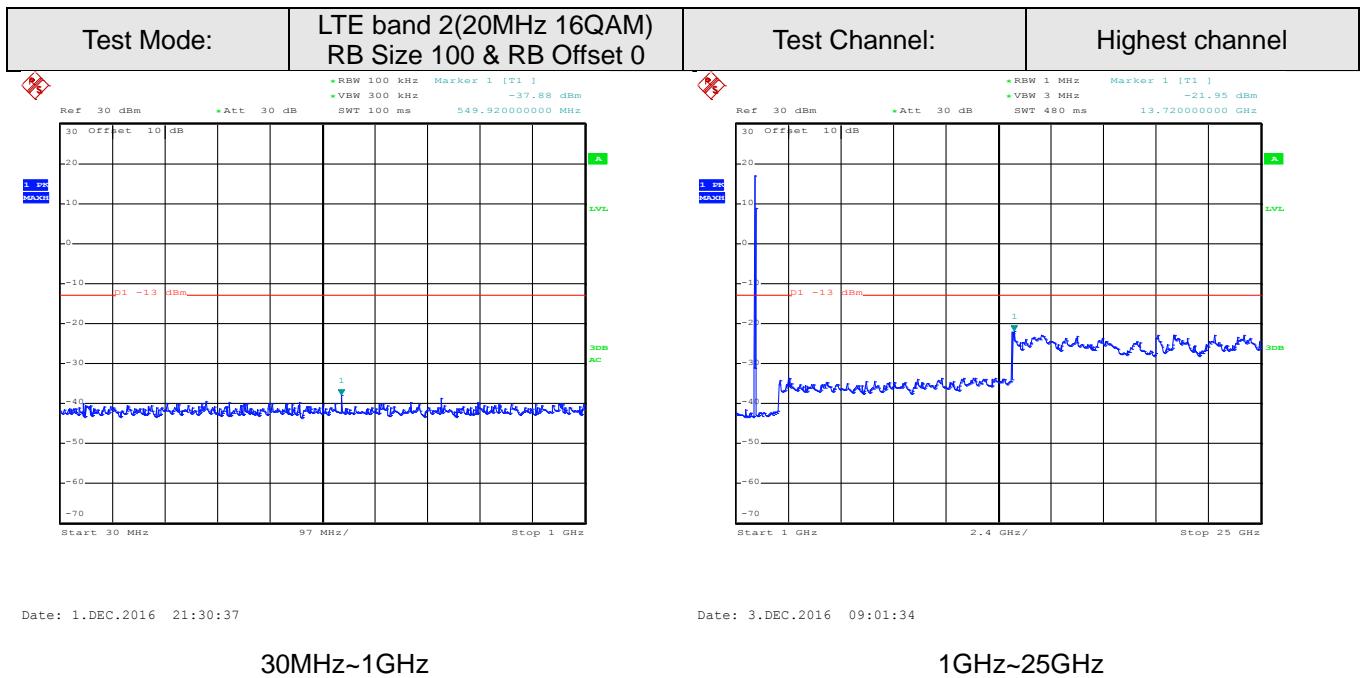
## 20MHz

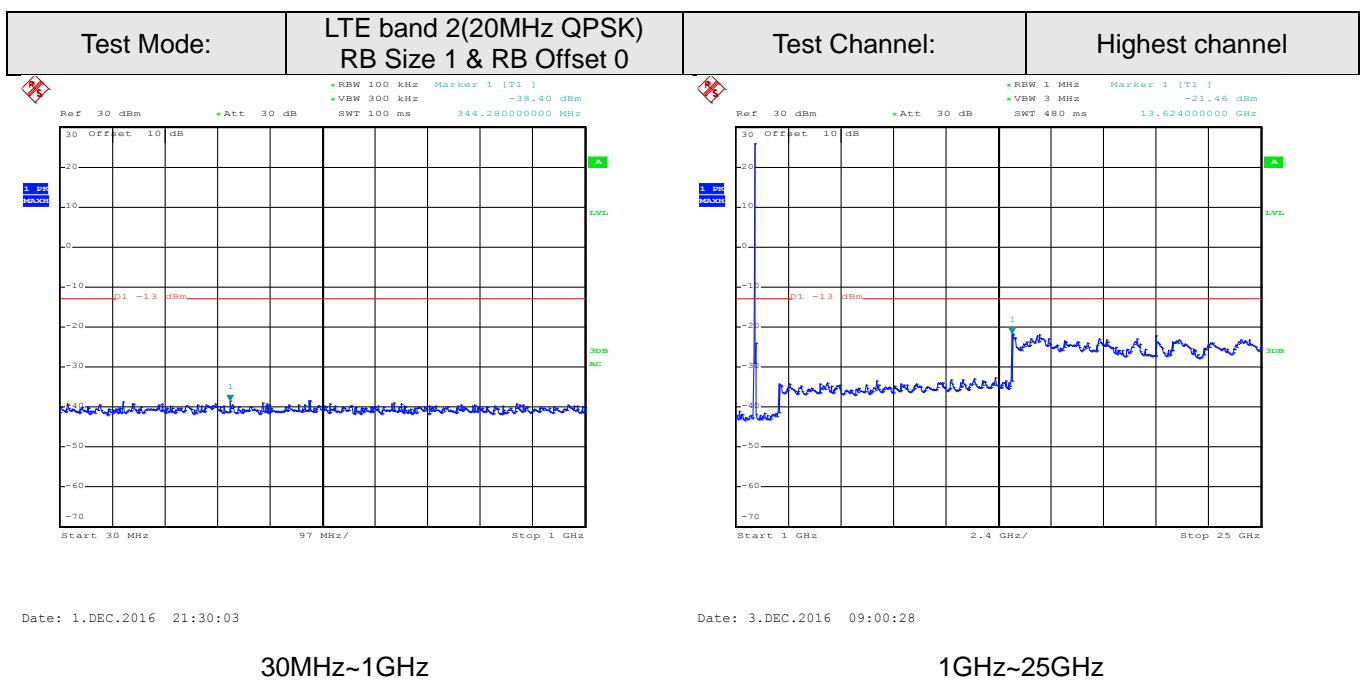
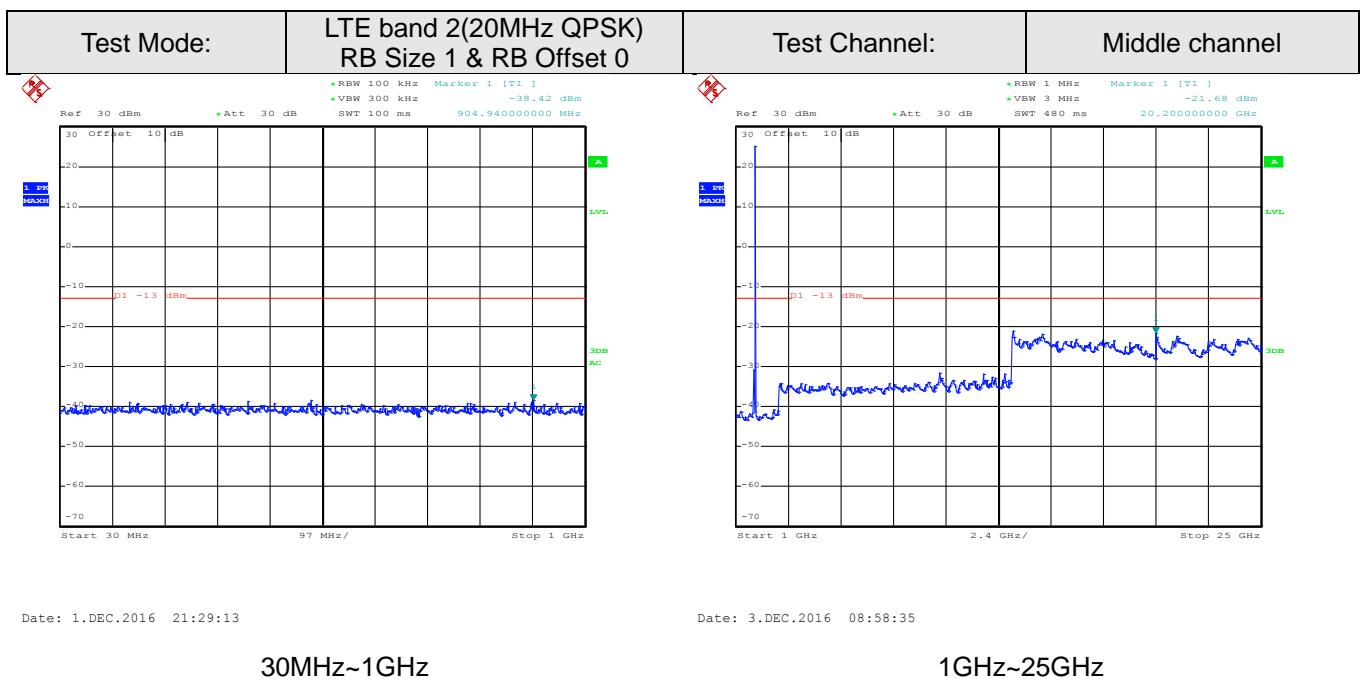


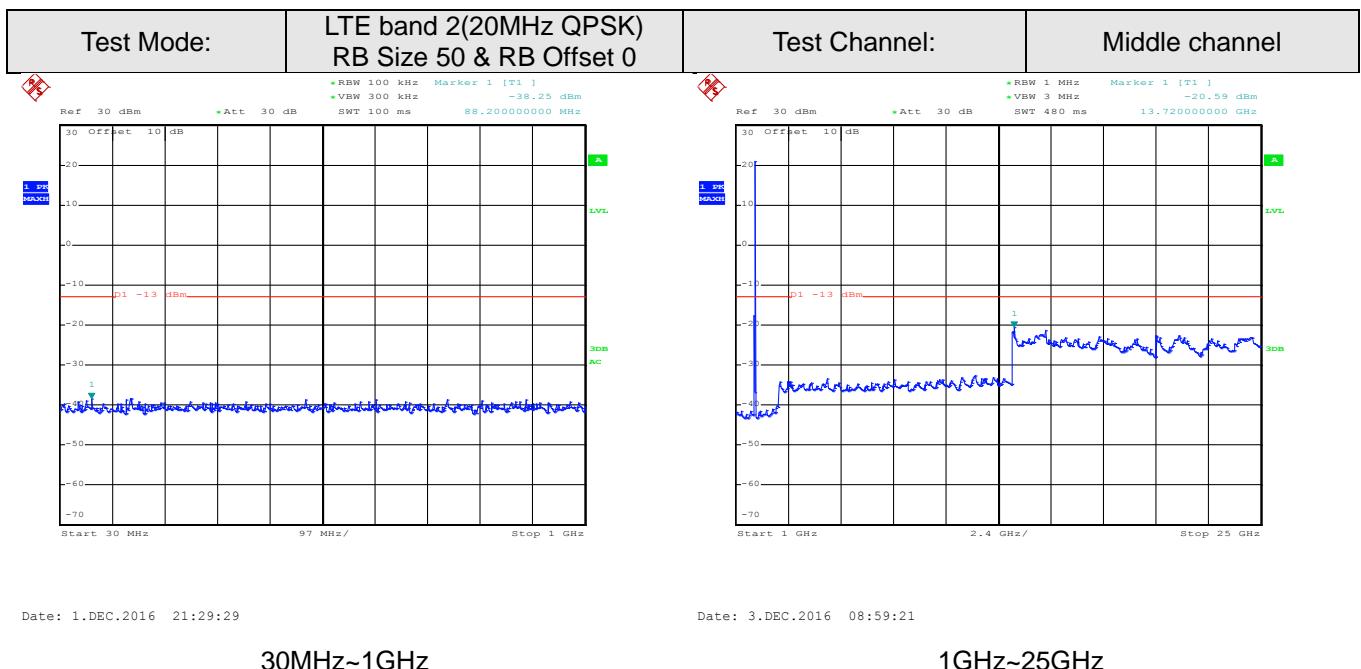
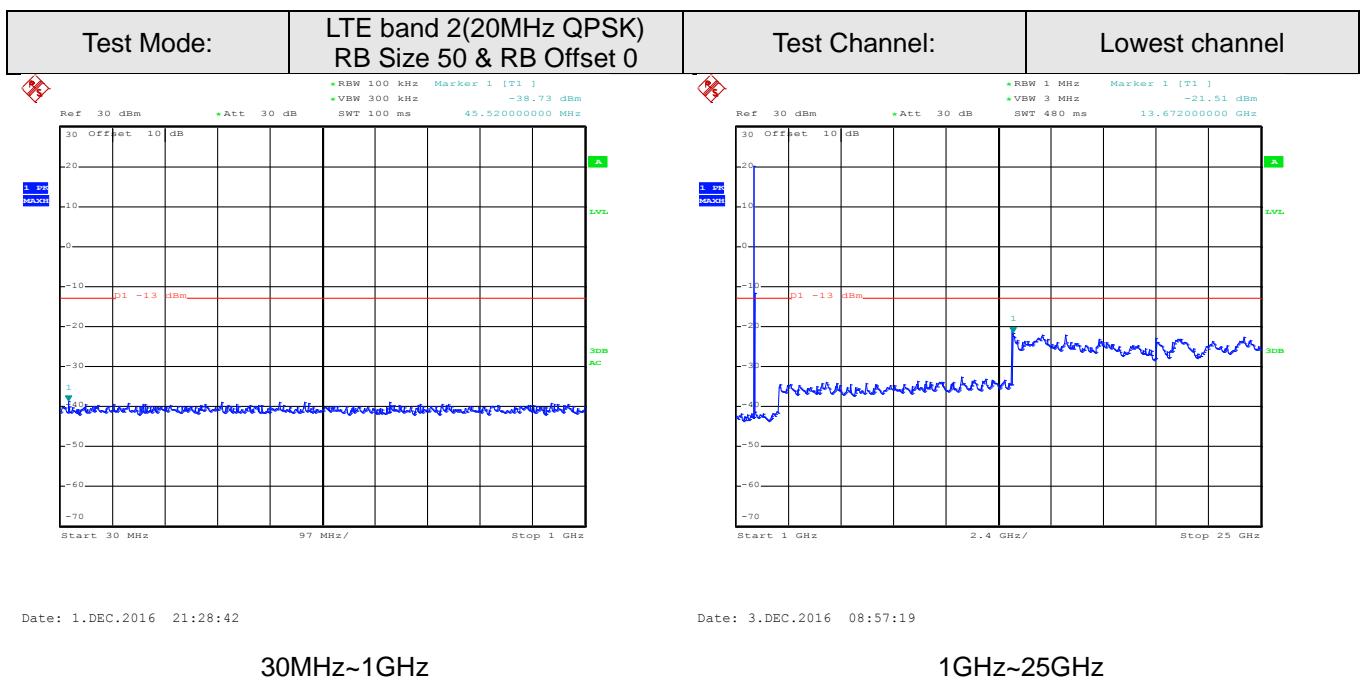


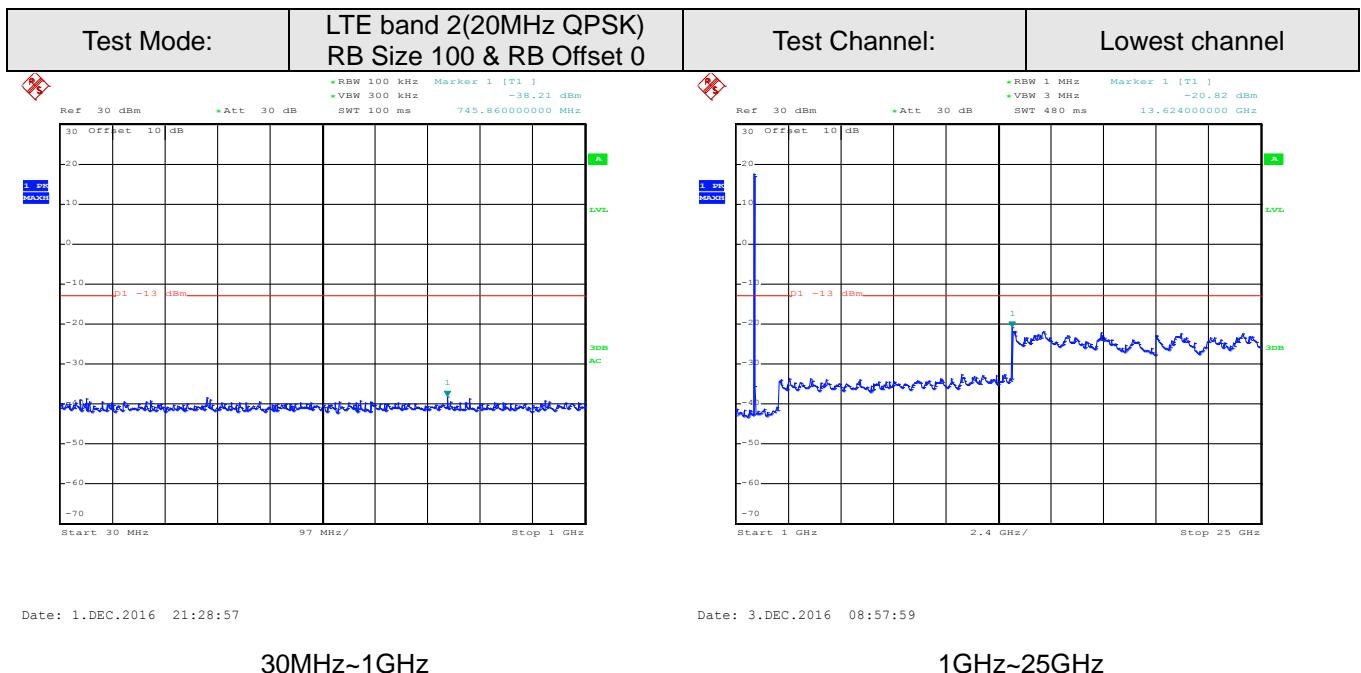
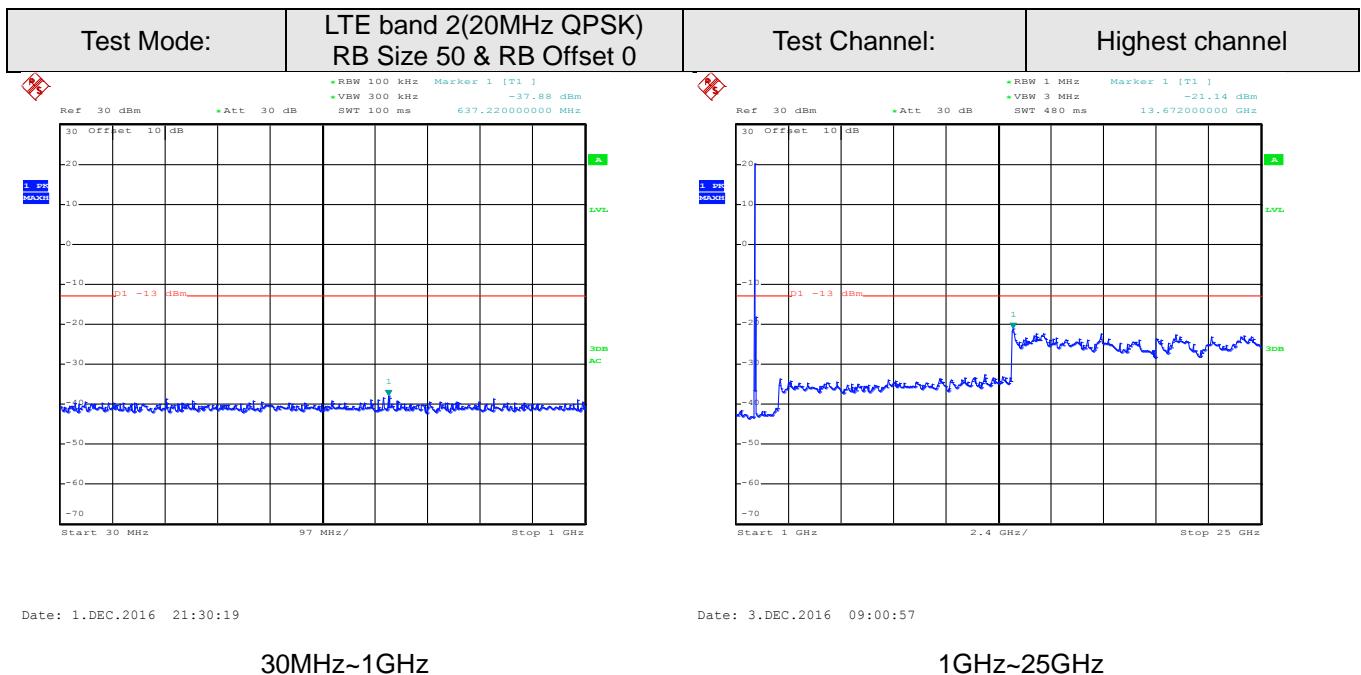


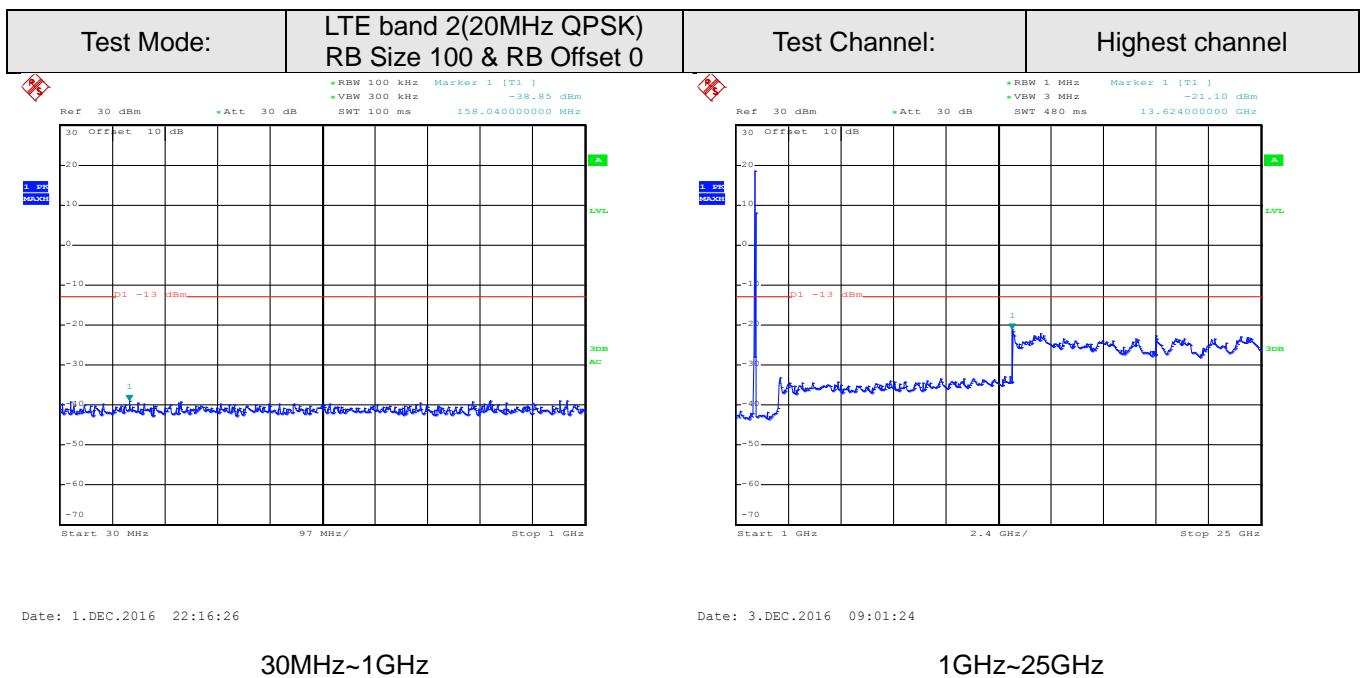
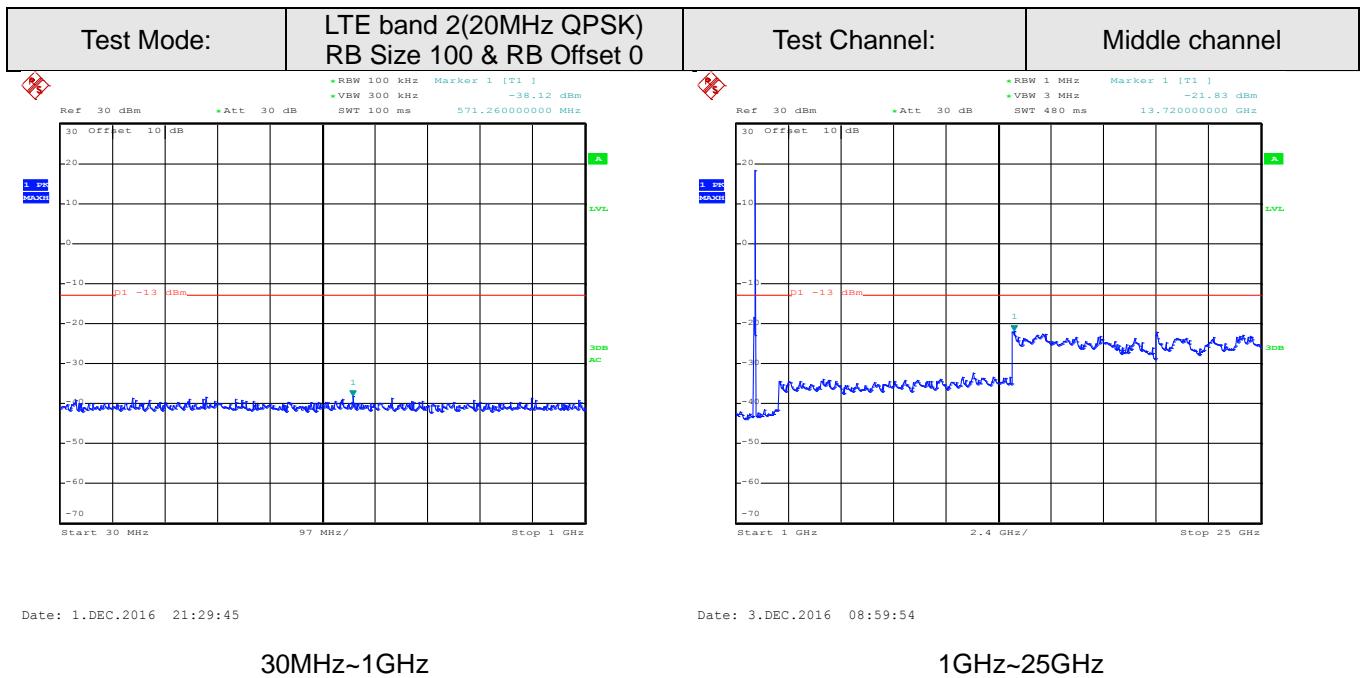




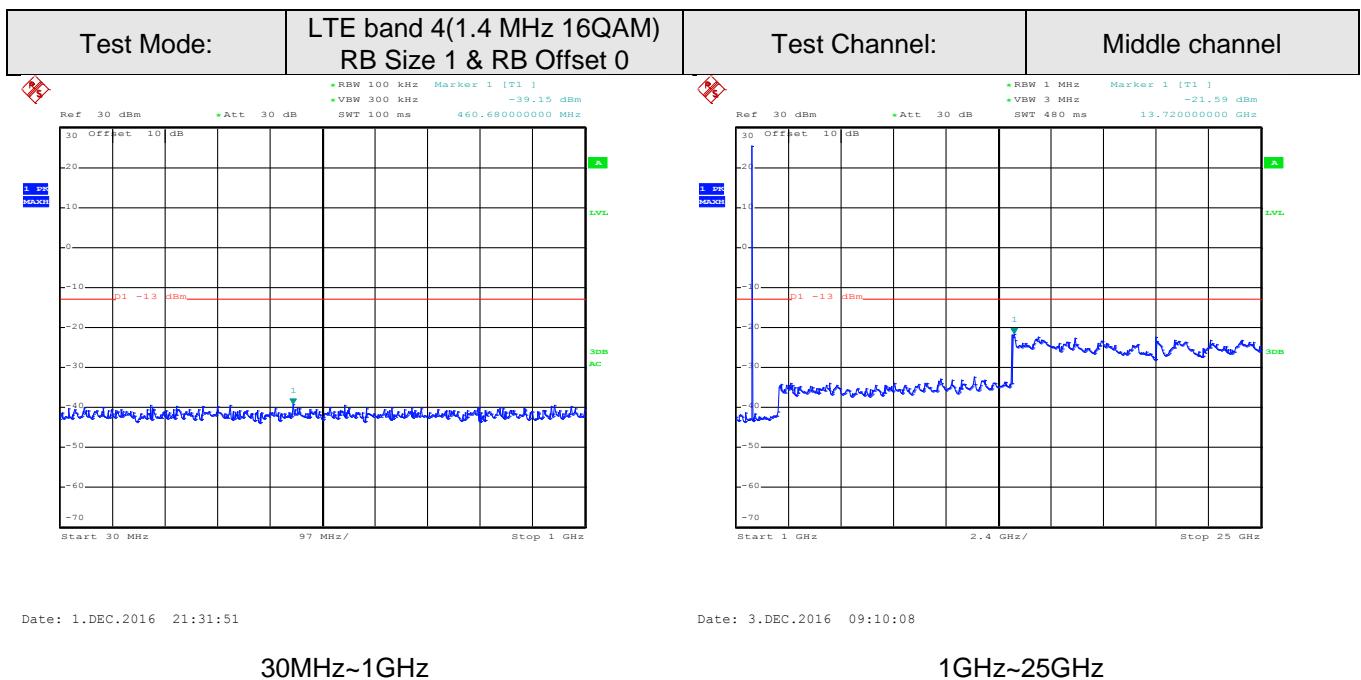
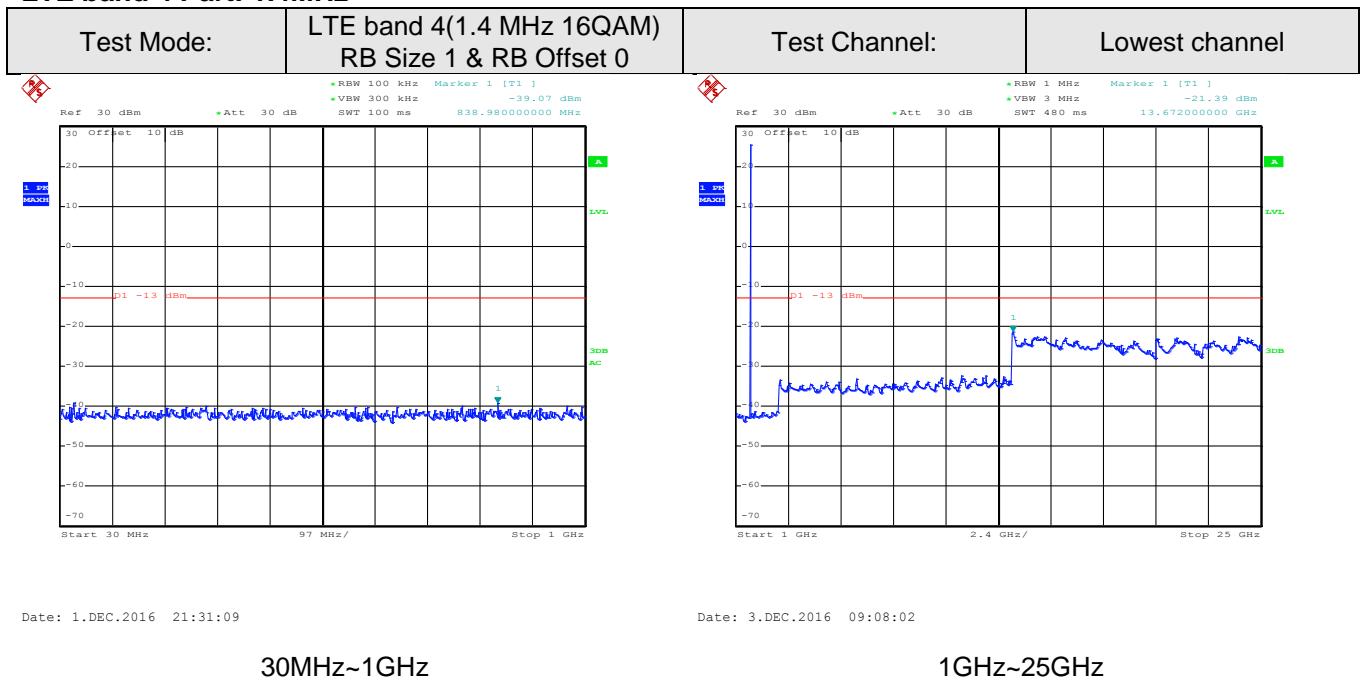


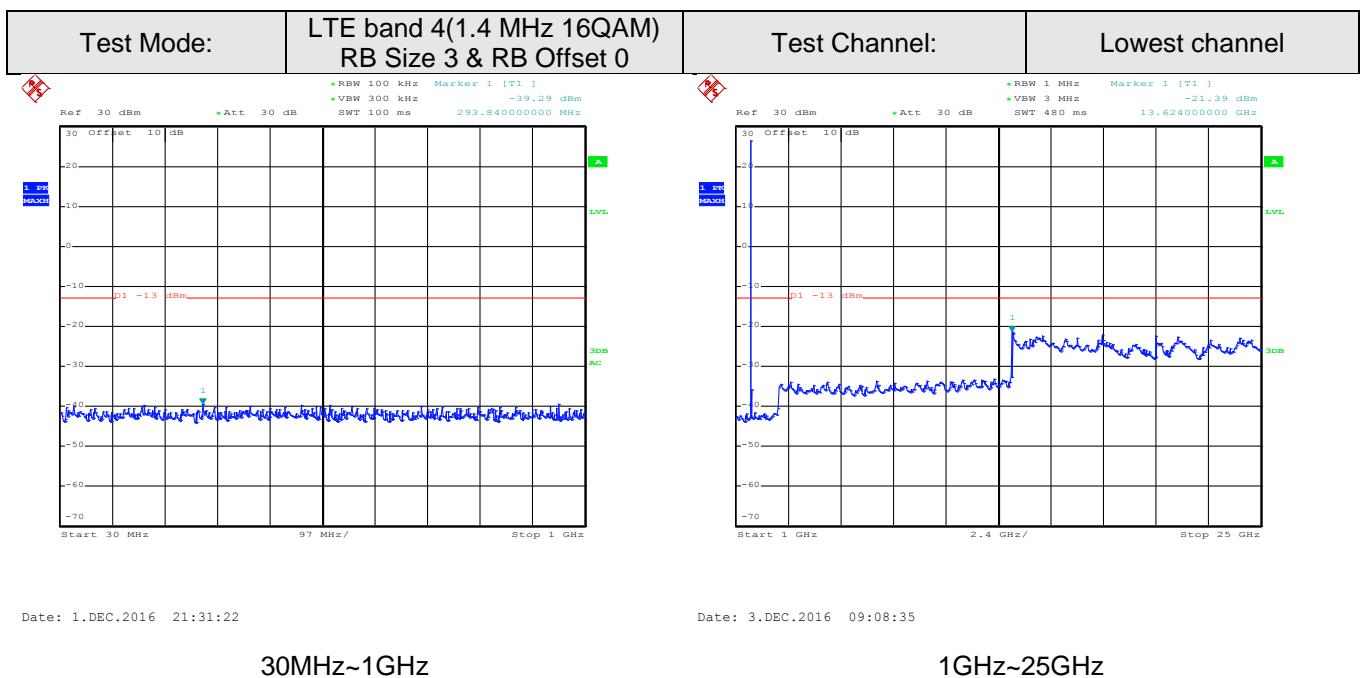
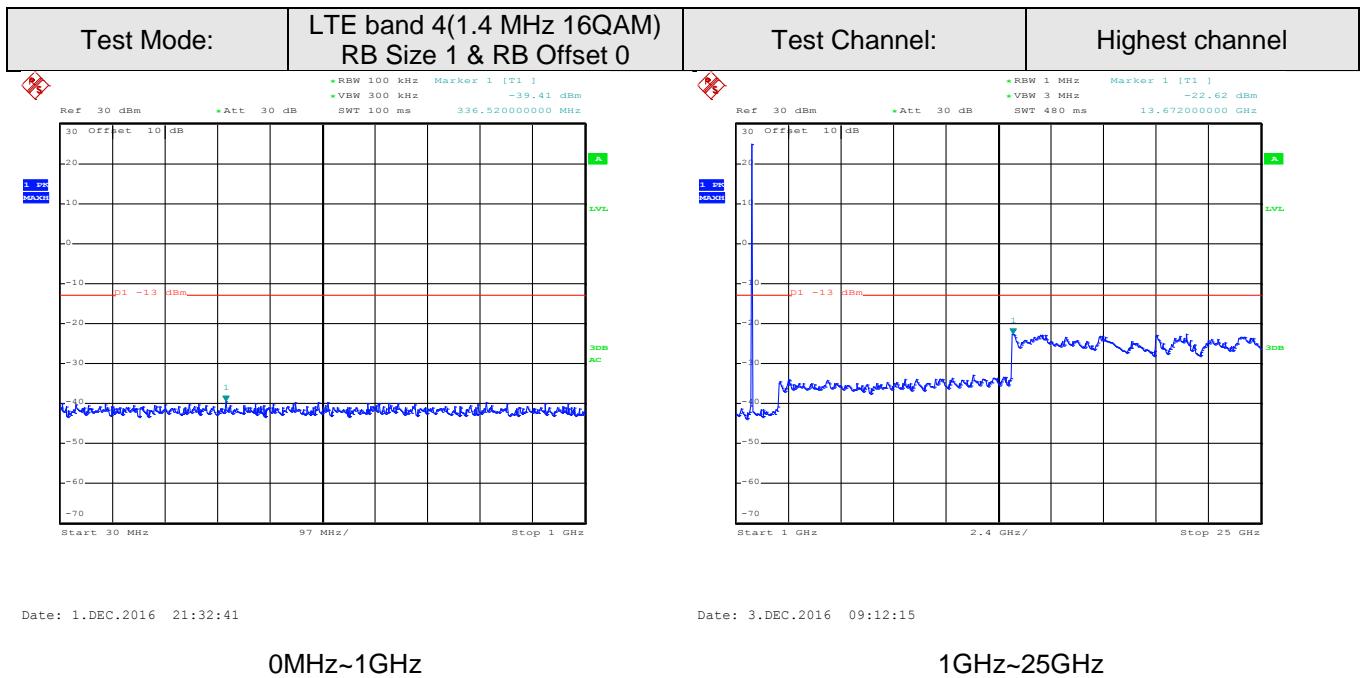


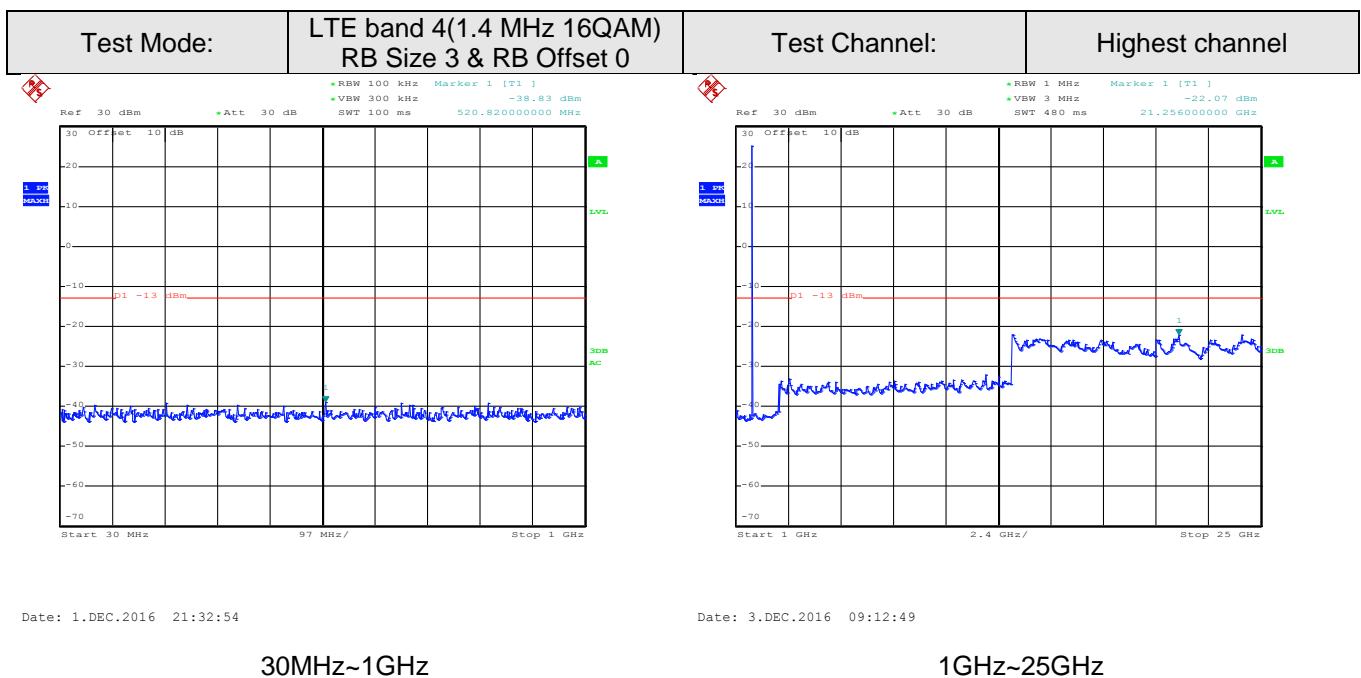
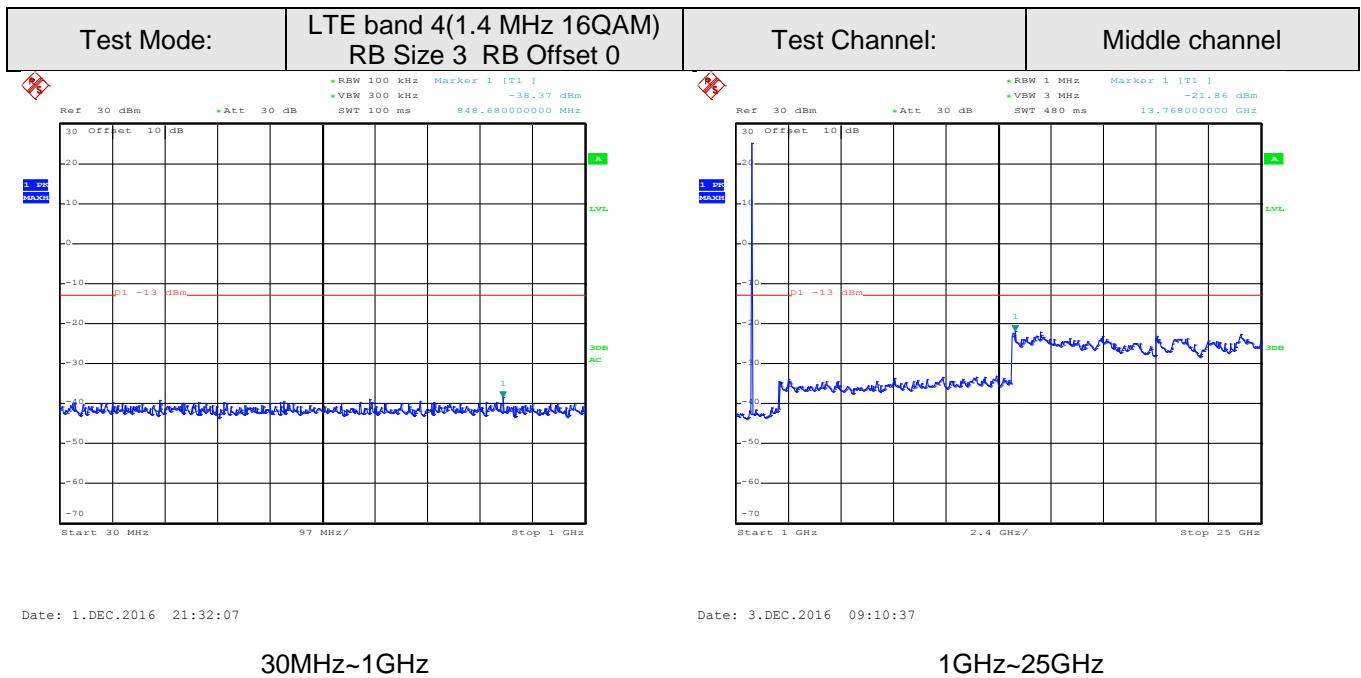


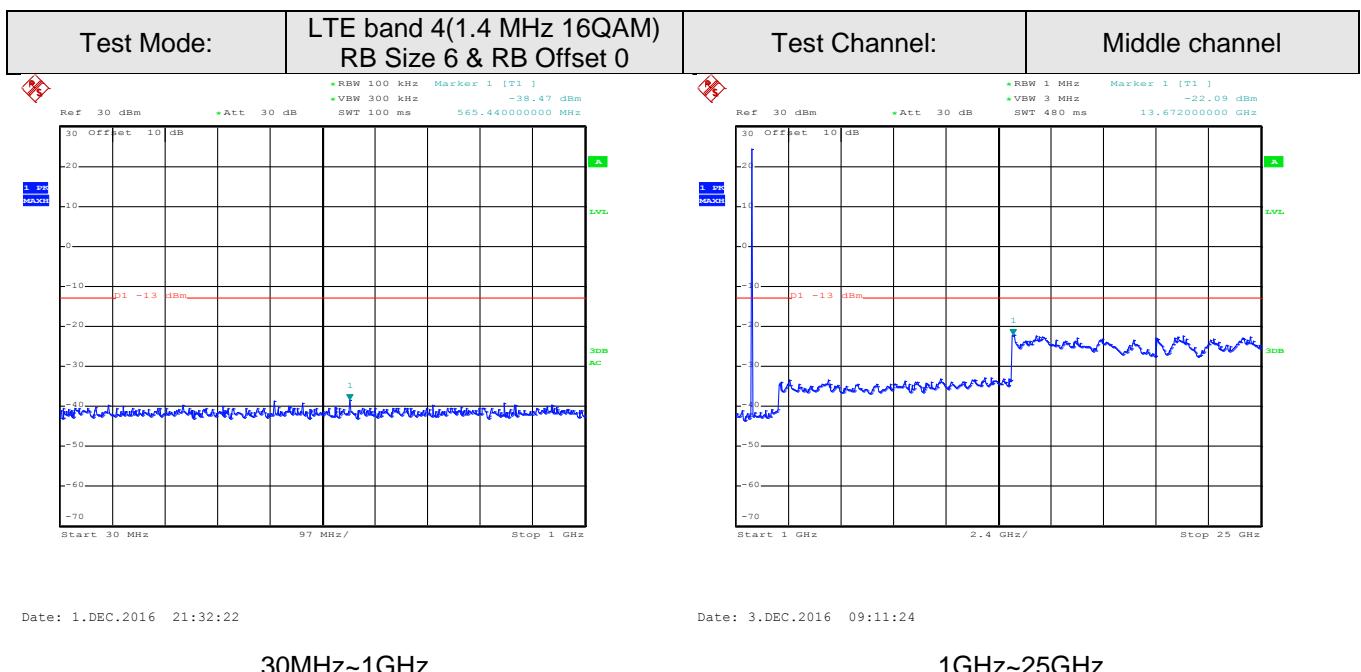
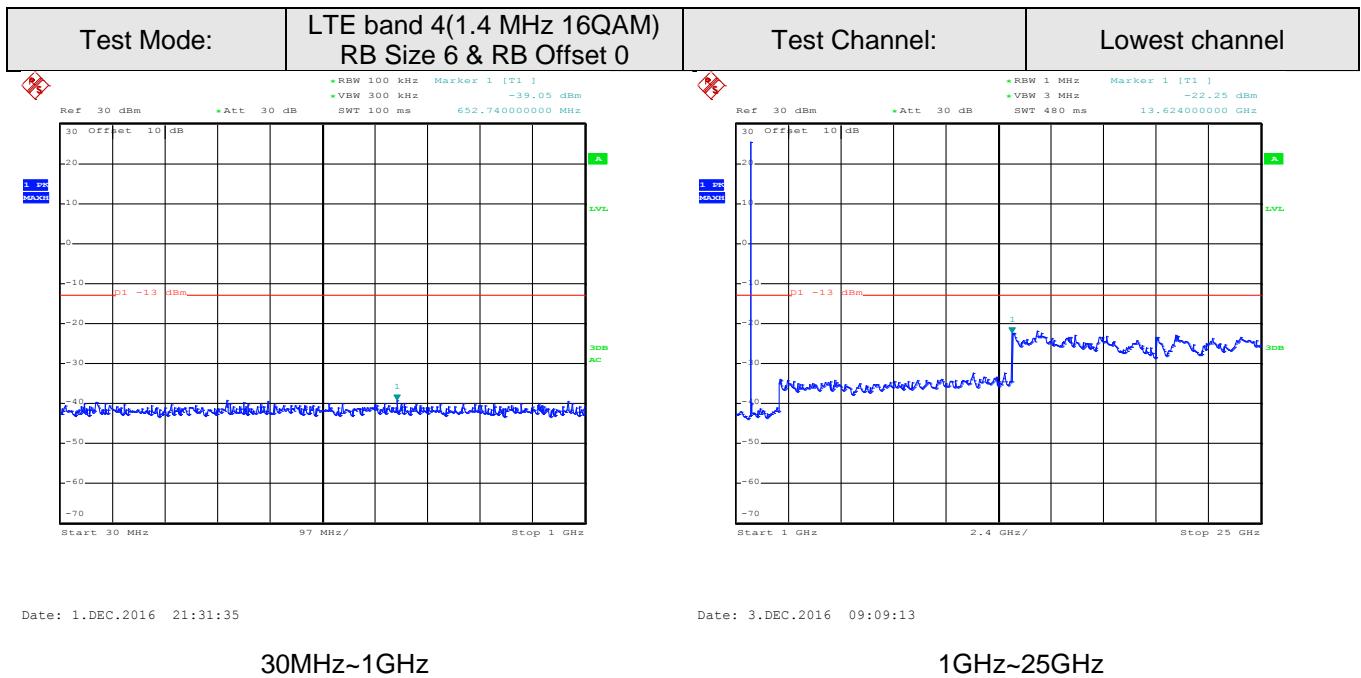


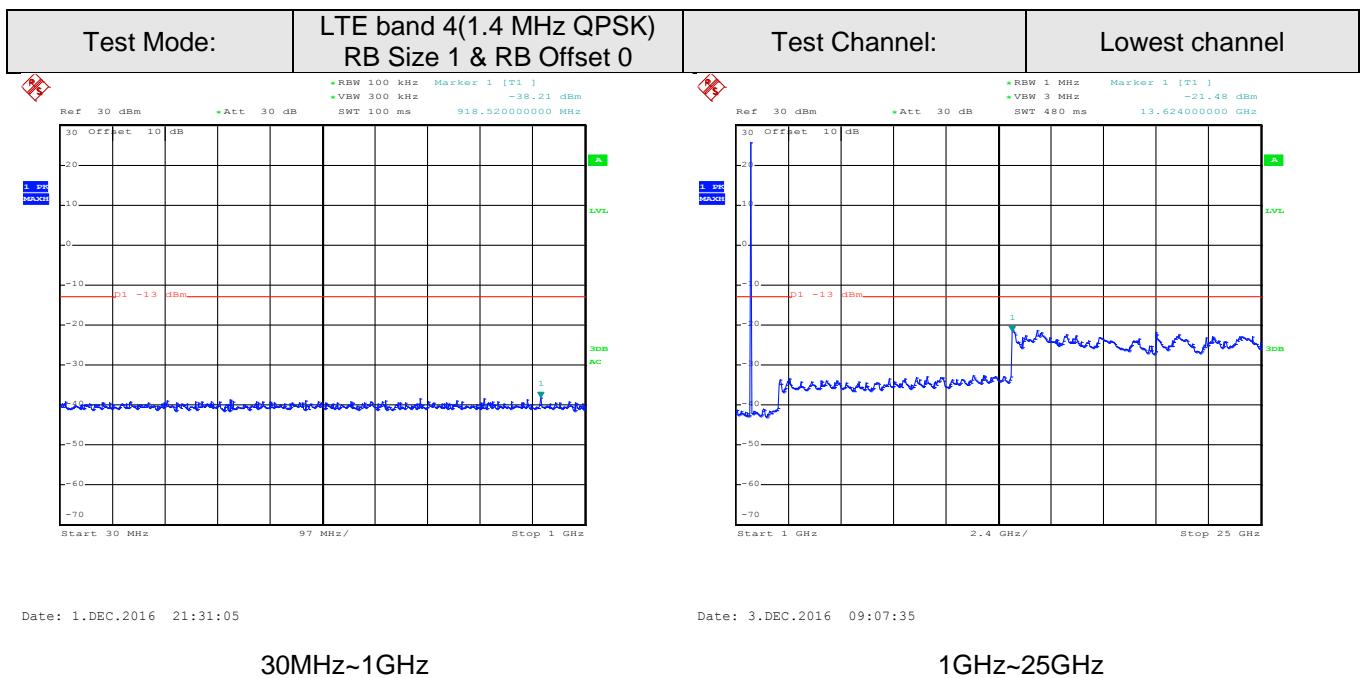
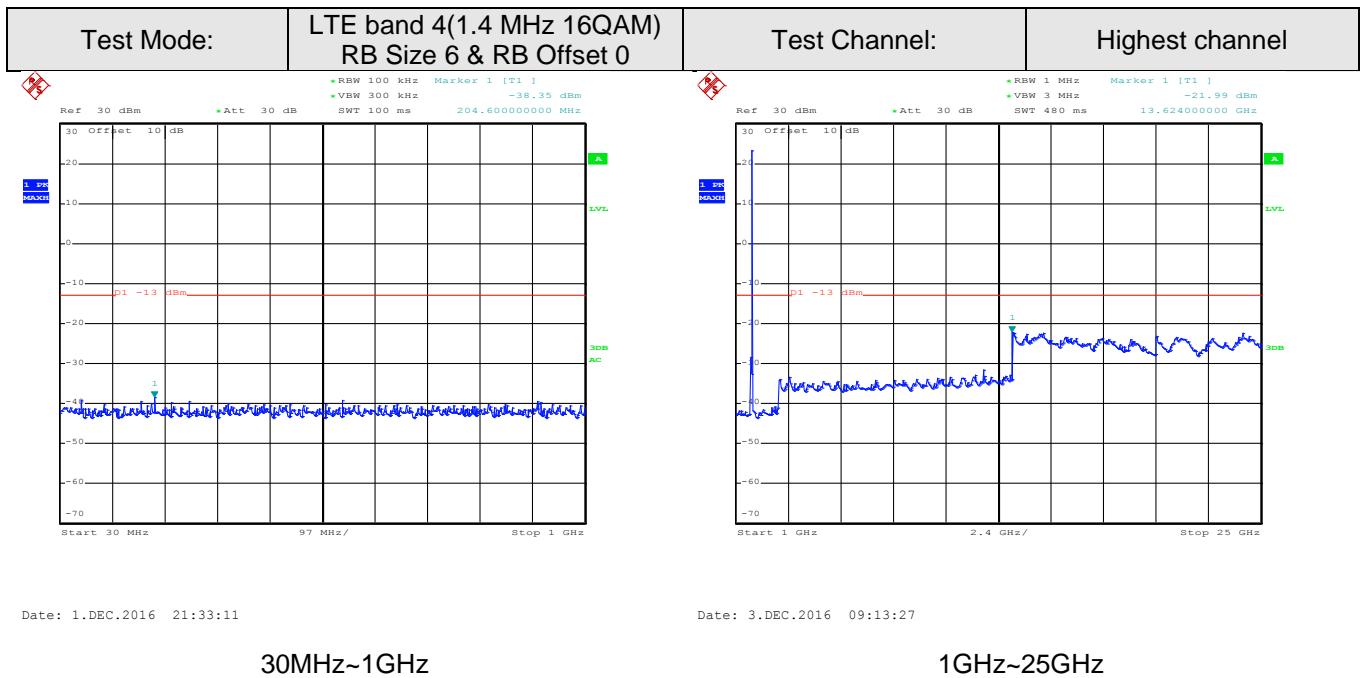
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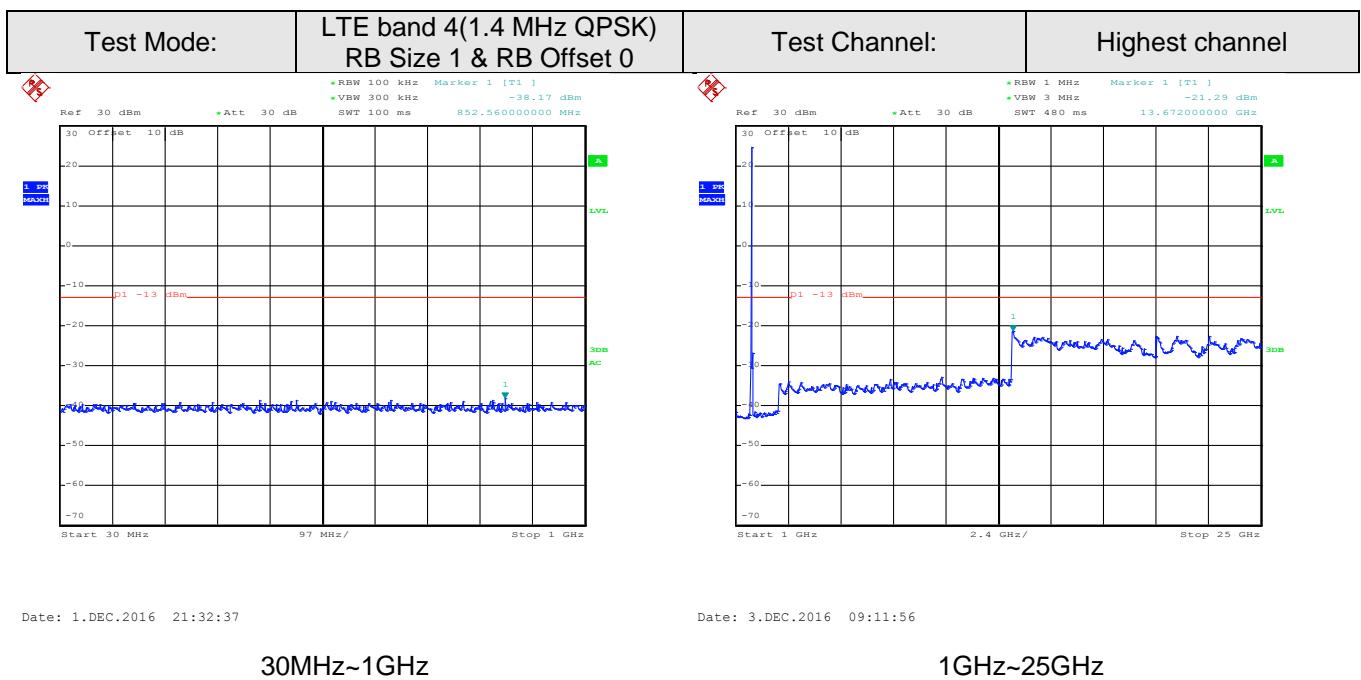
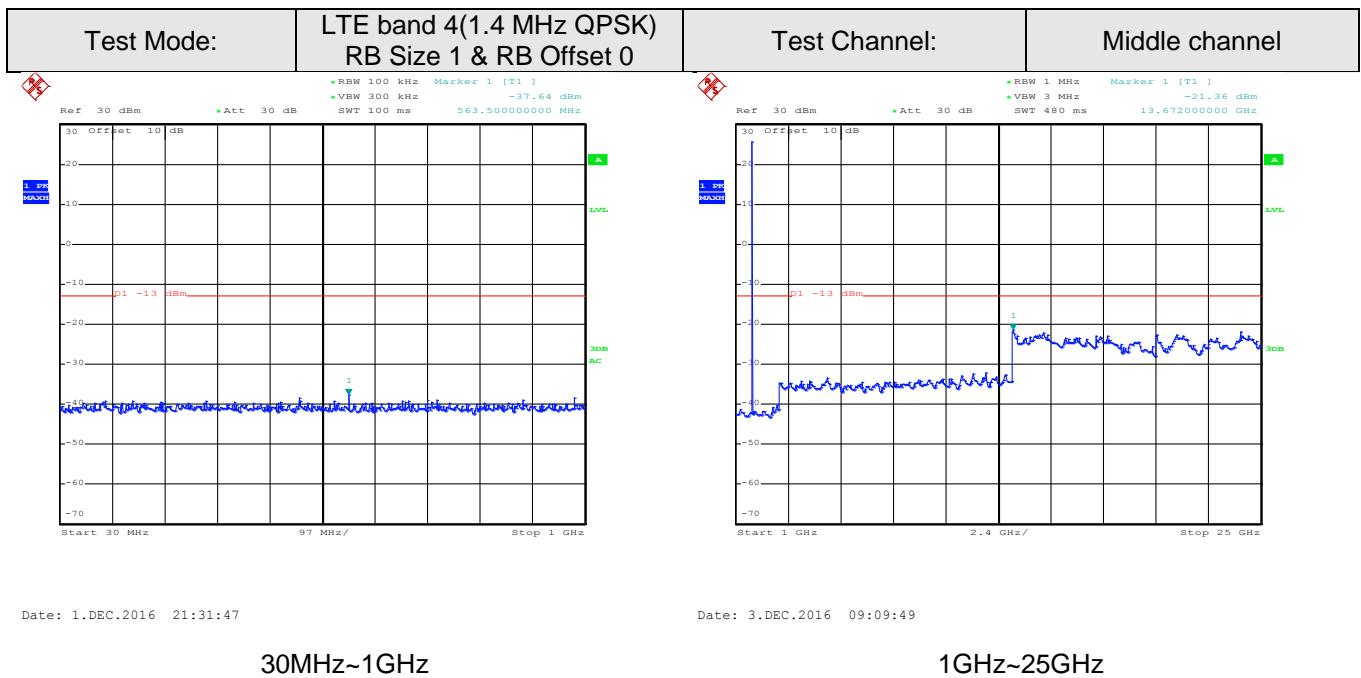


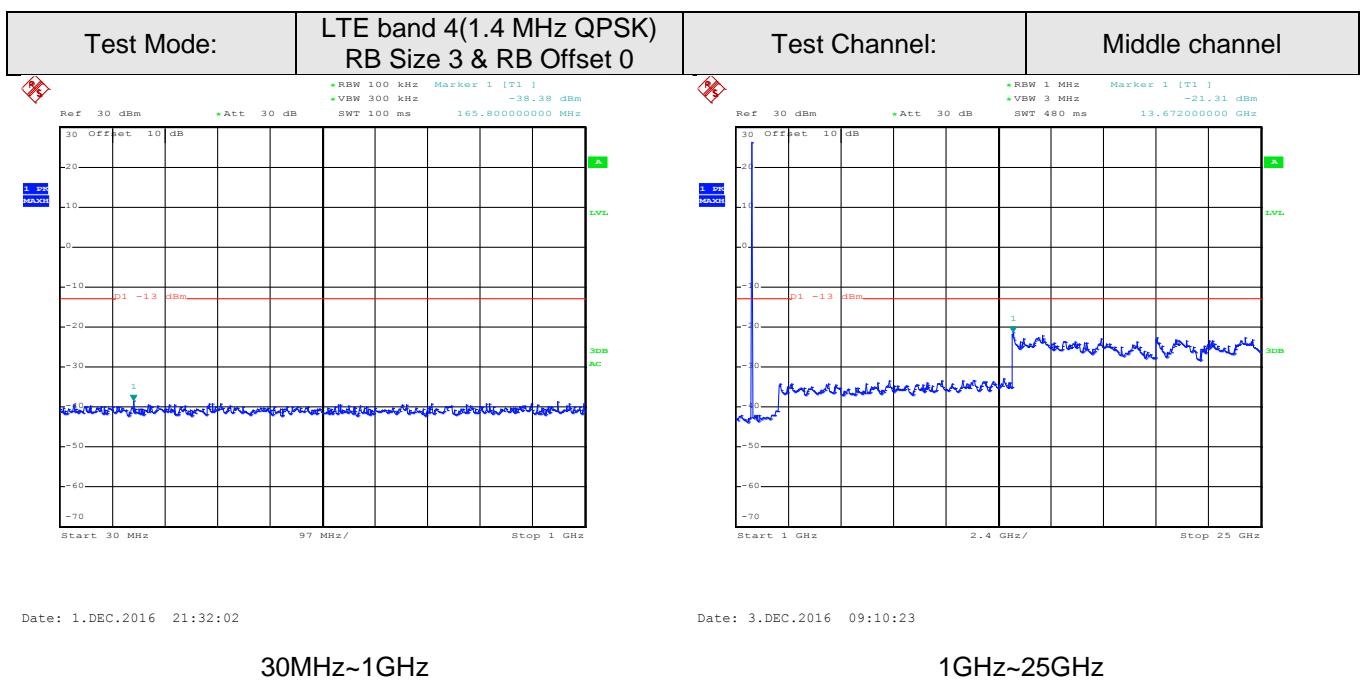
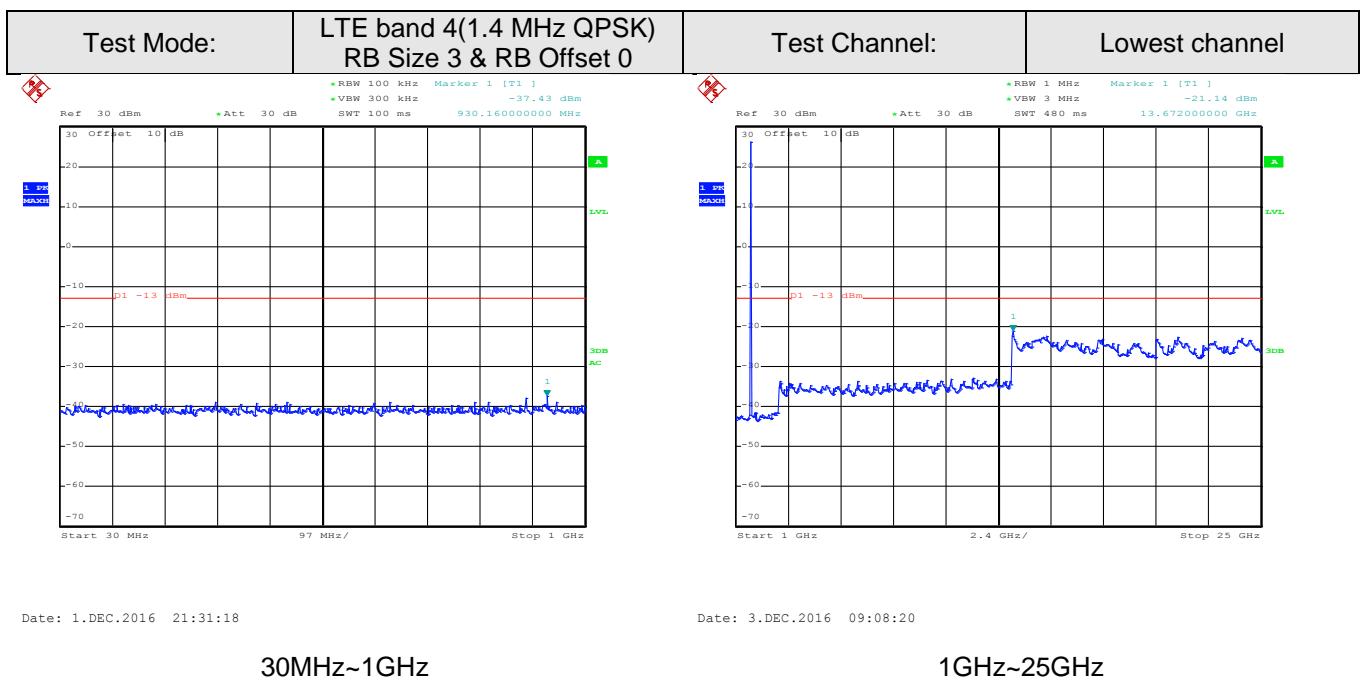


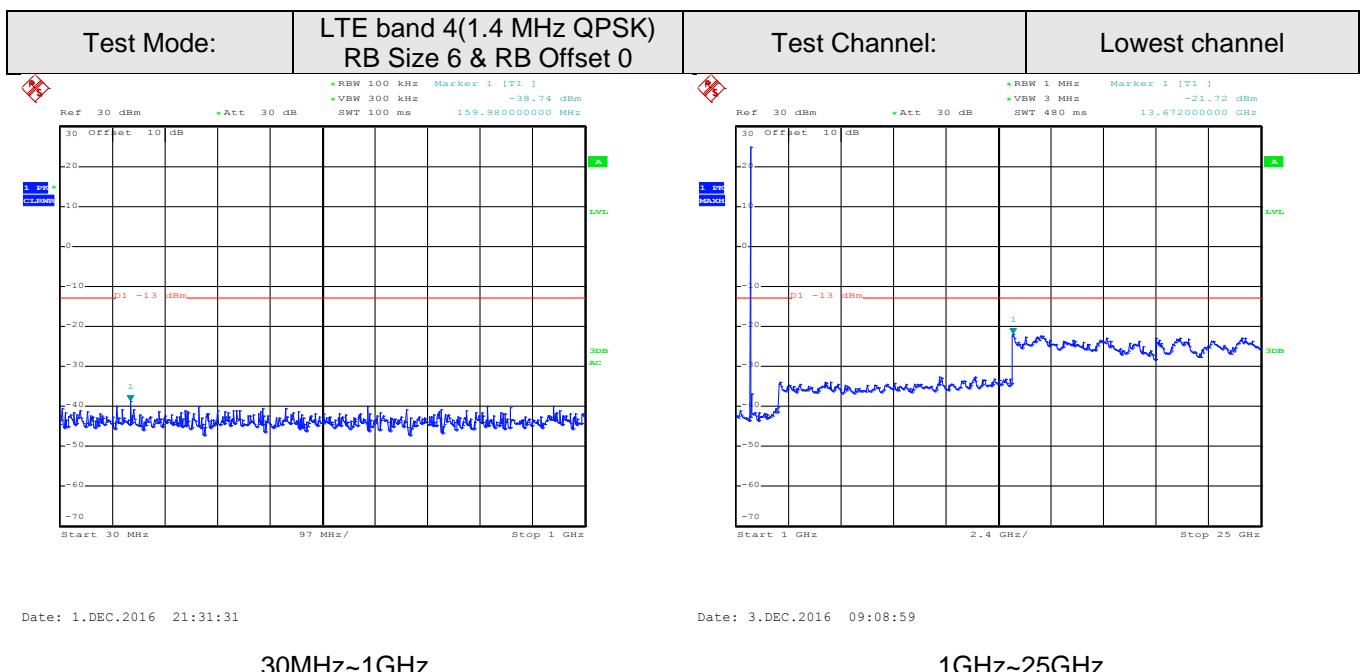
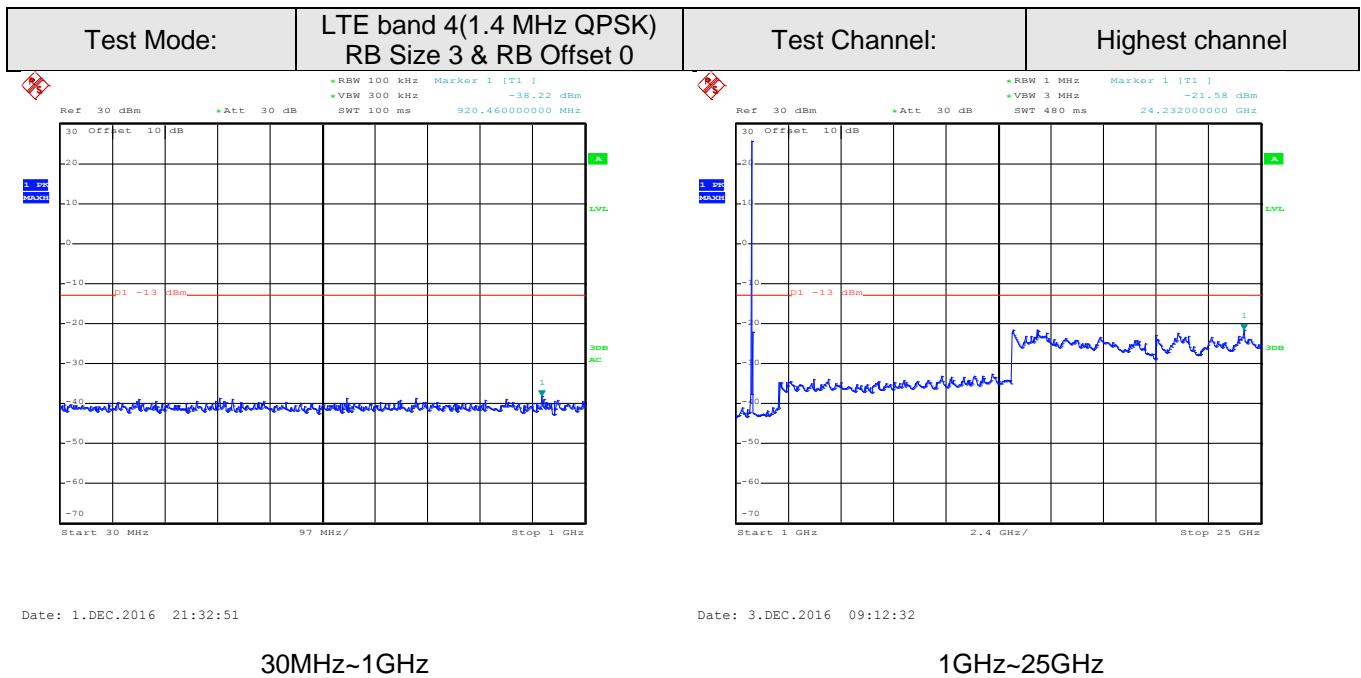


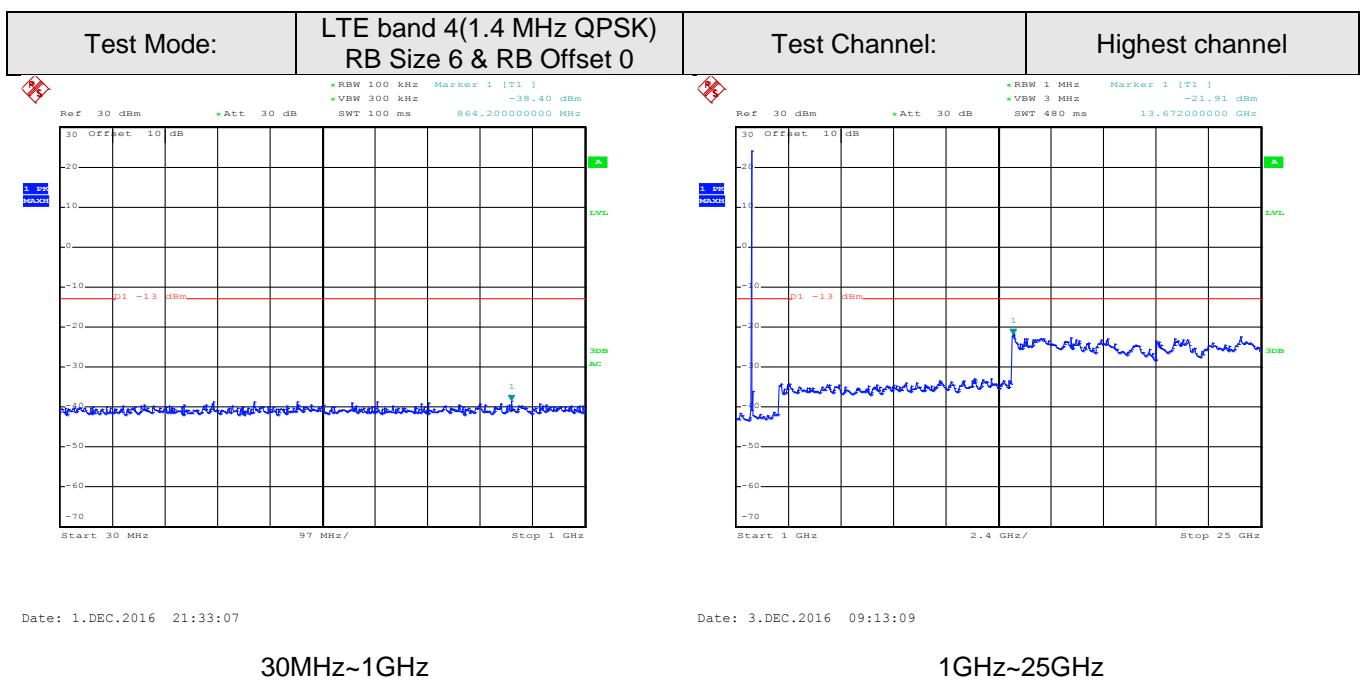
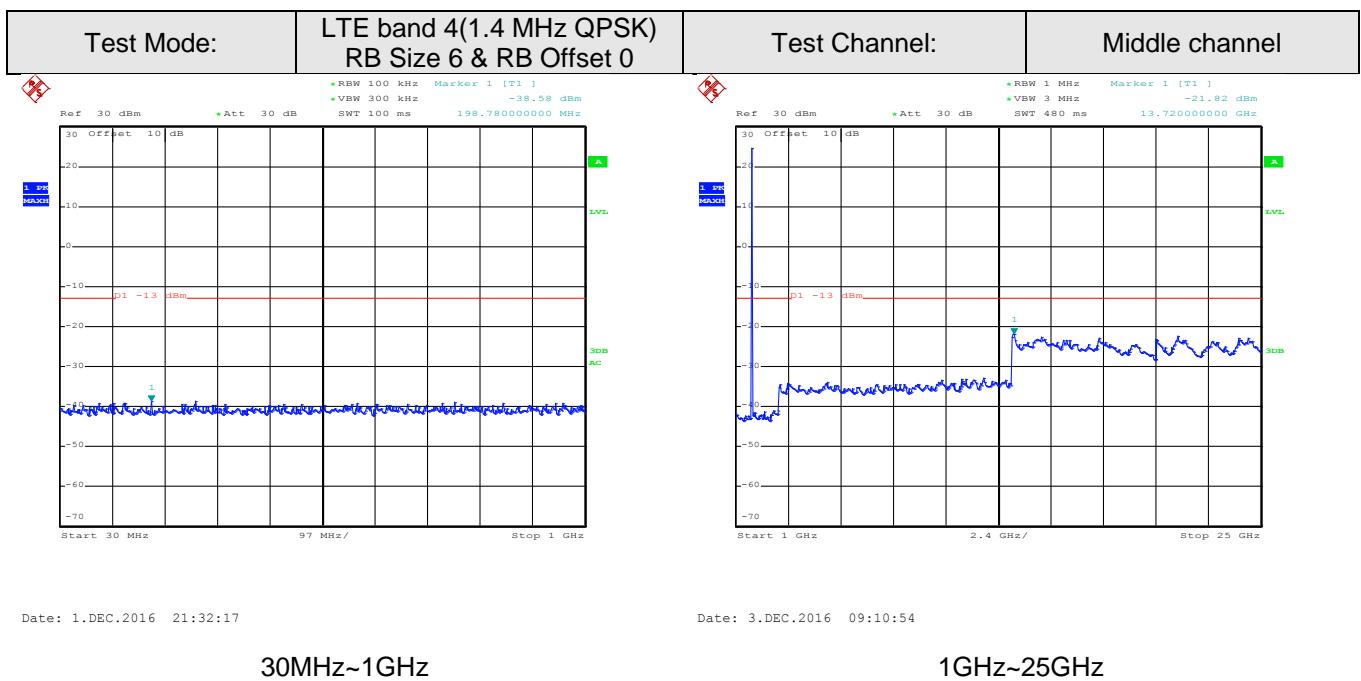




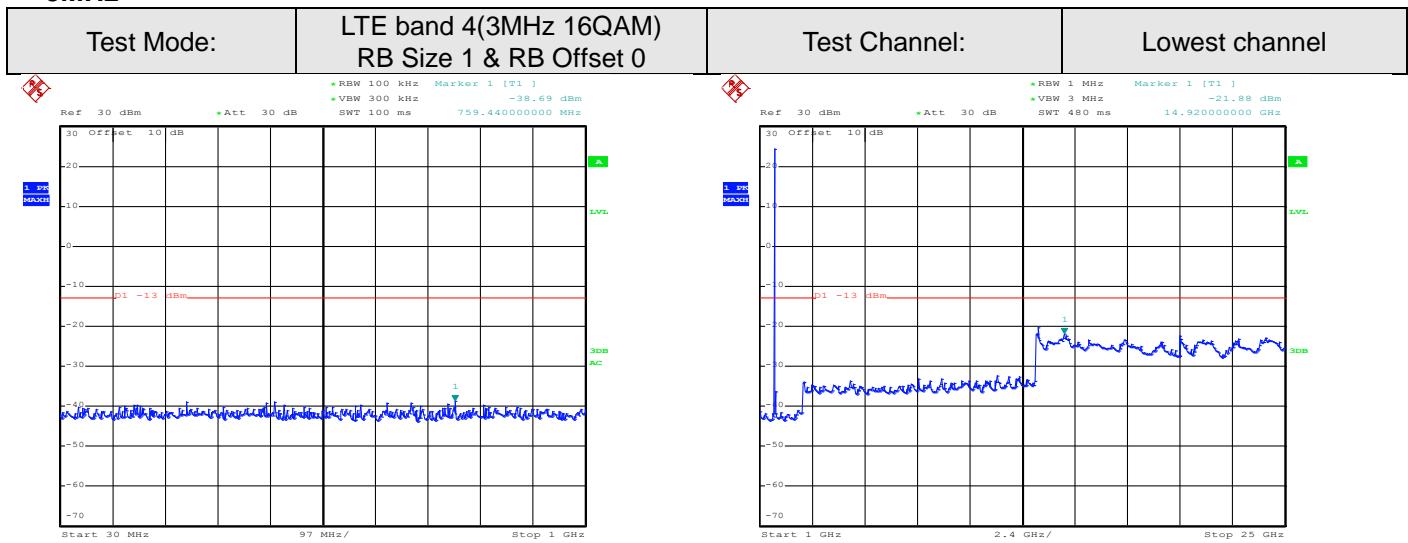








## 3MHz

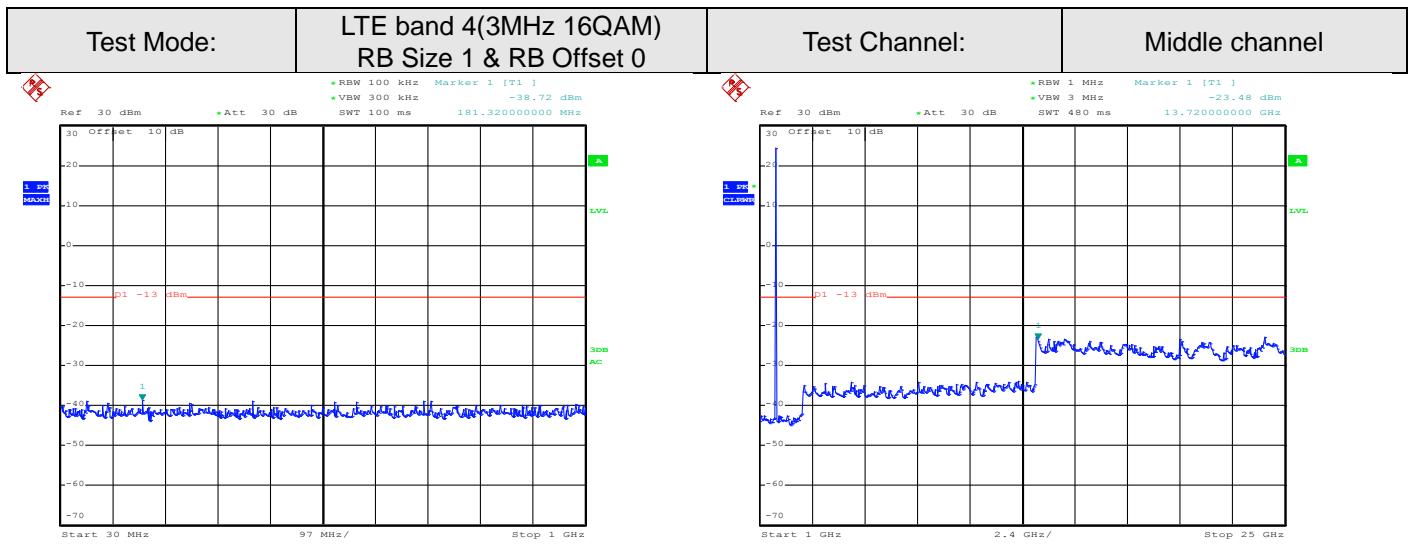


Date: 1.DEC.2016 21:33:30

30MHz~1GHz

Date: 3.DEC.2016 09:14:43

1GHz~25GHz

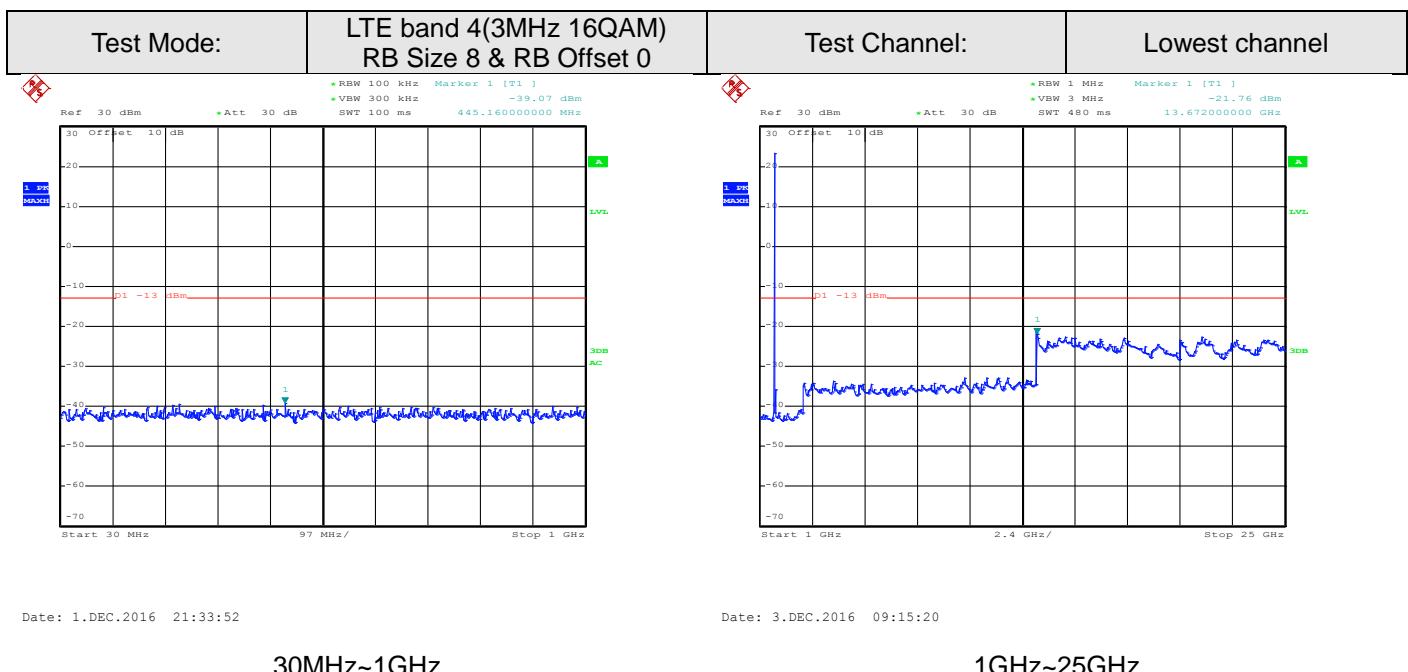
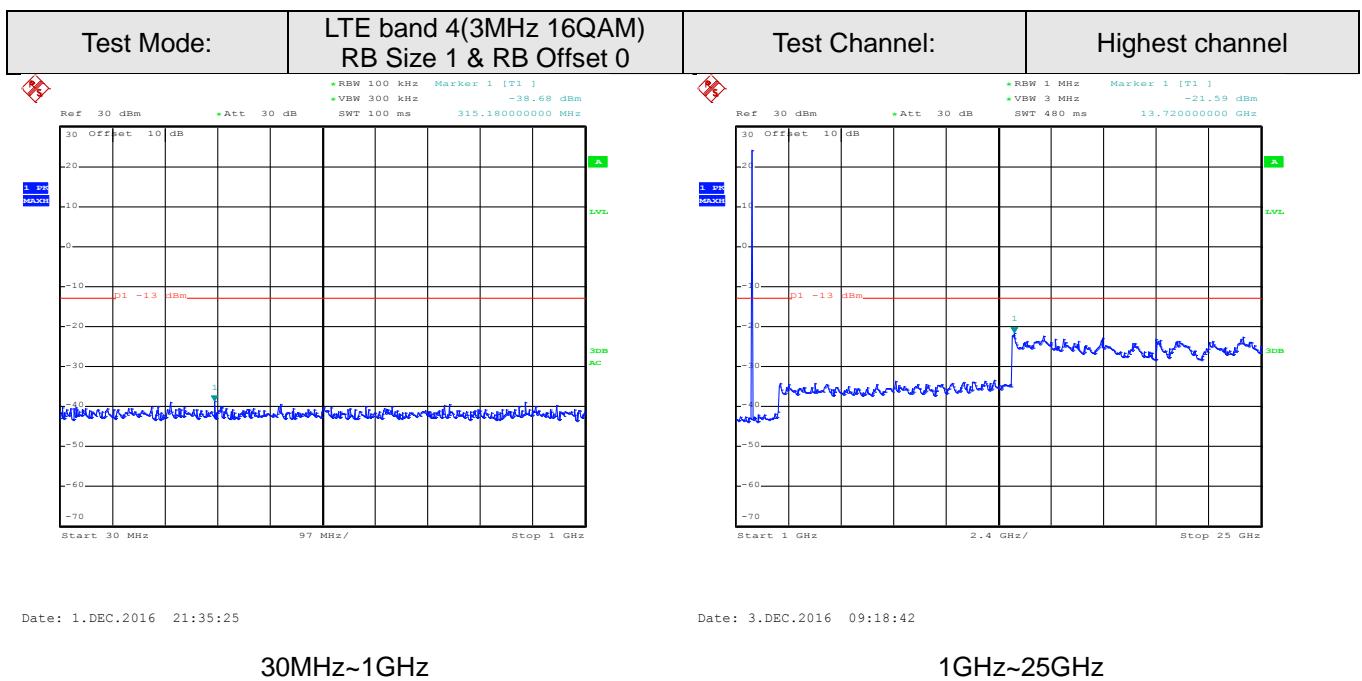


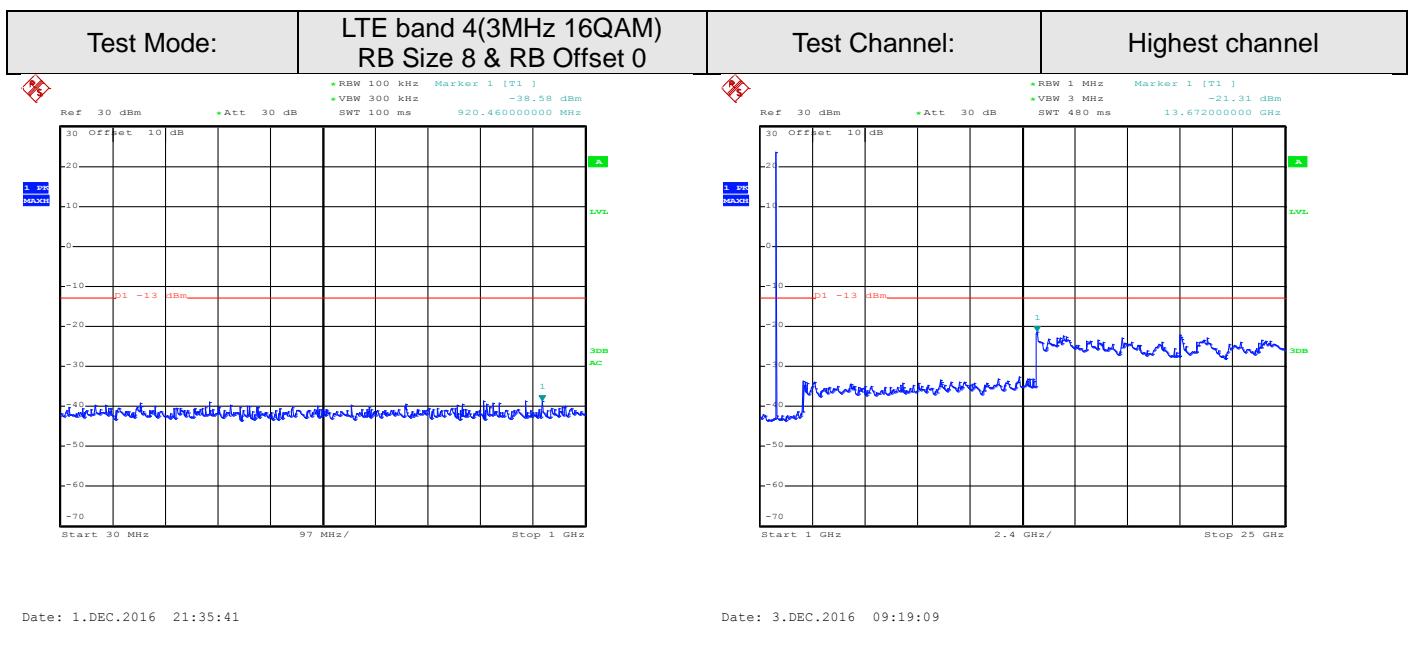
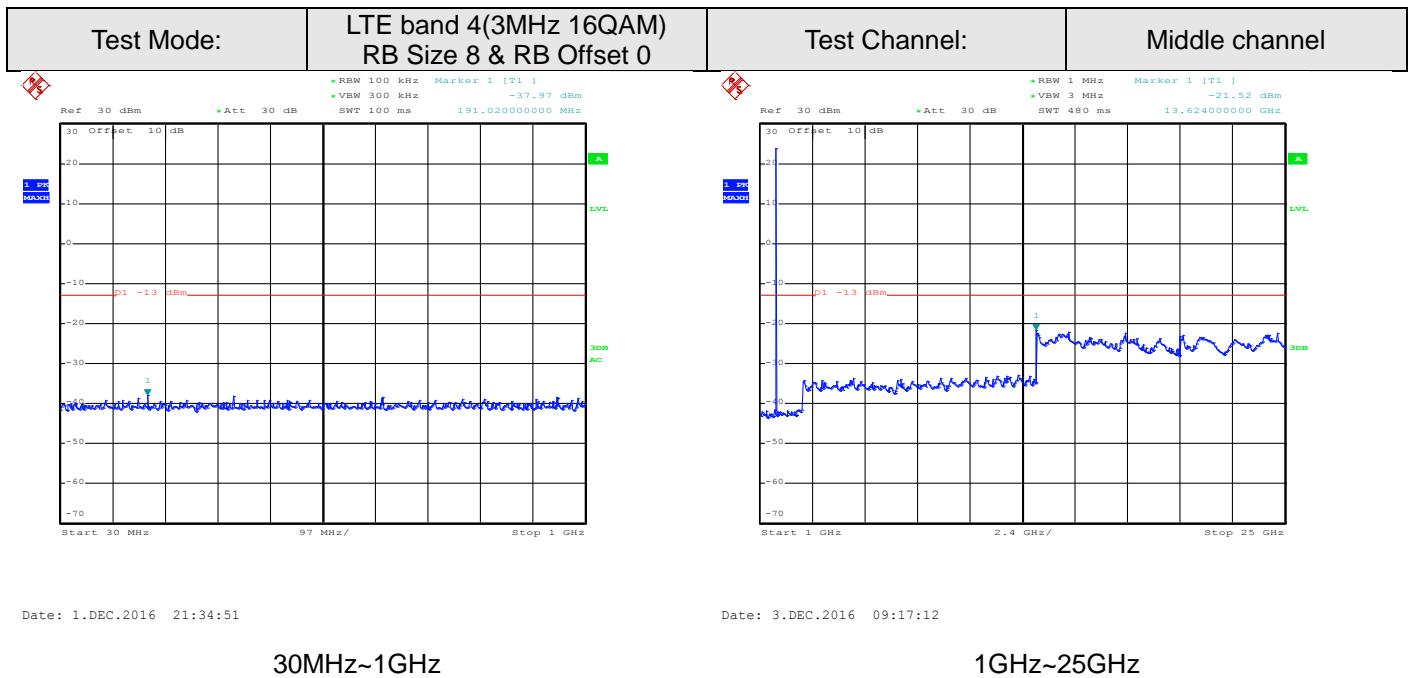
Date: 1.DEC.2016 21:34:25

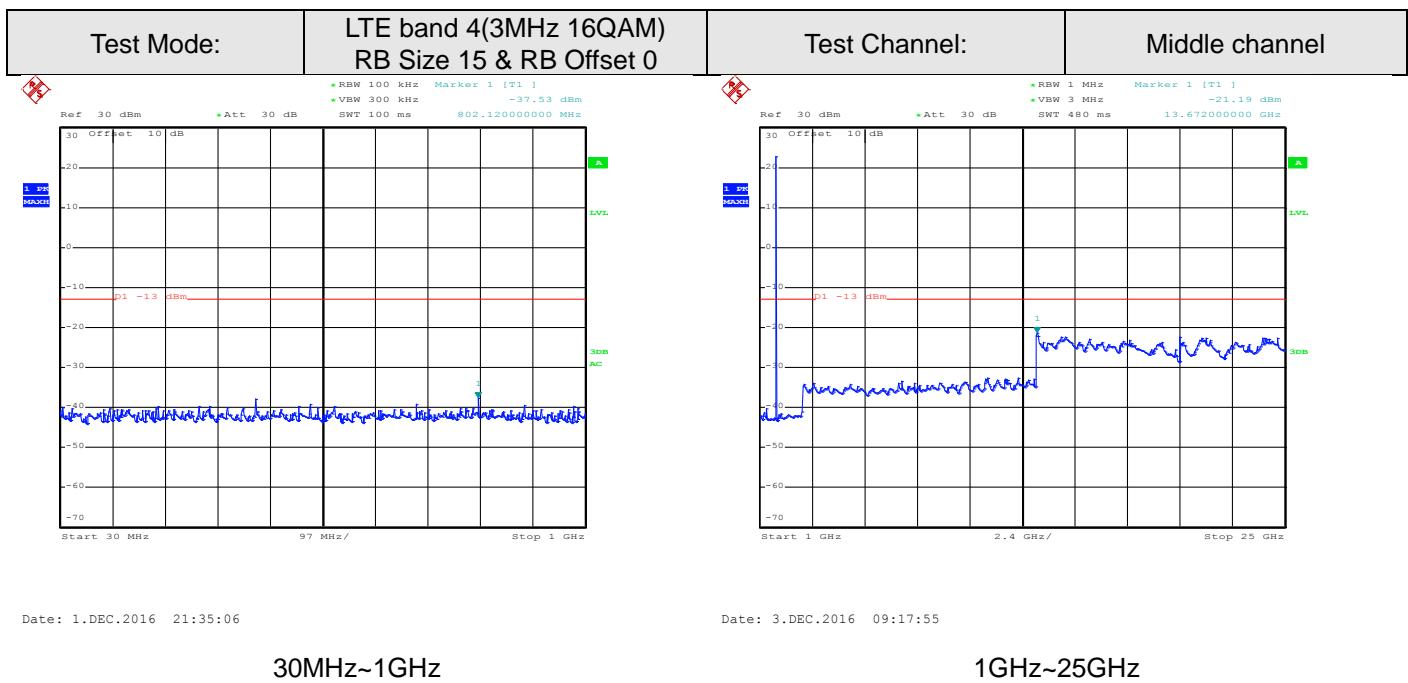
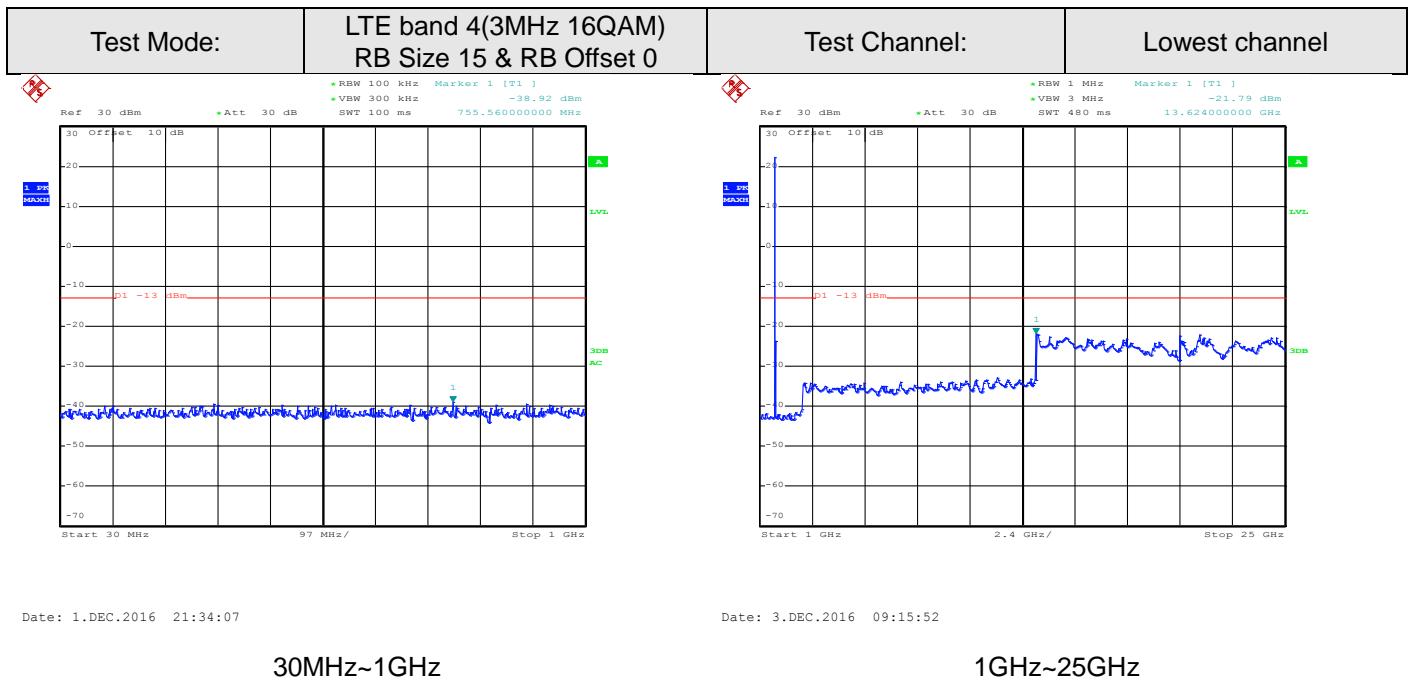
30MHz~1GHz

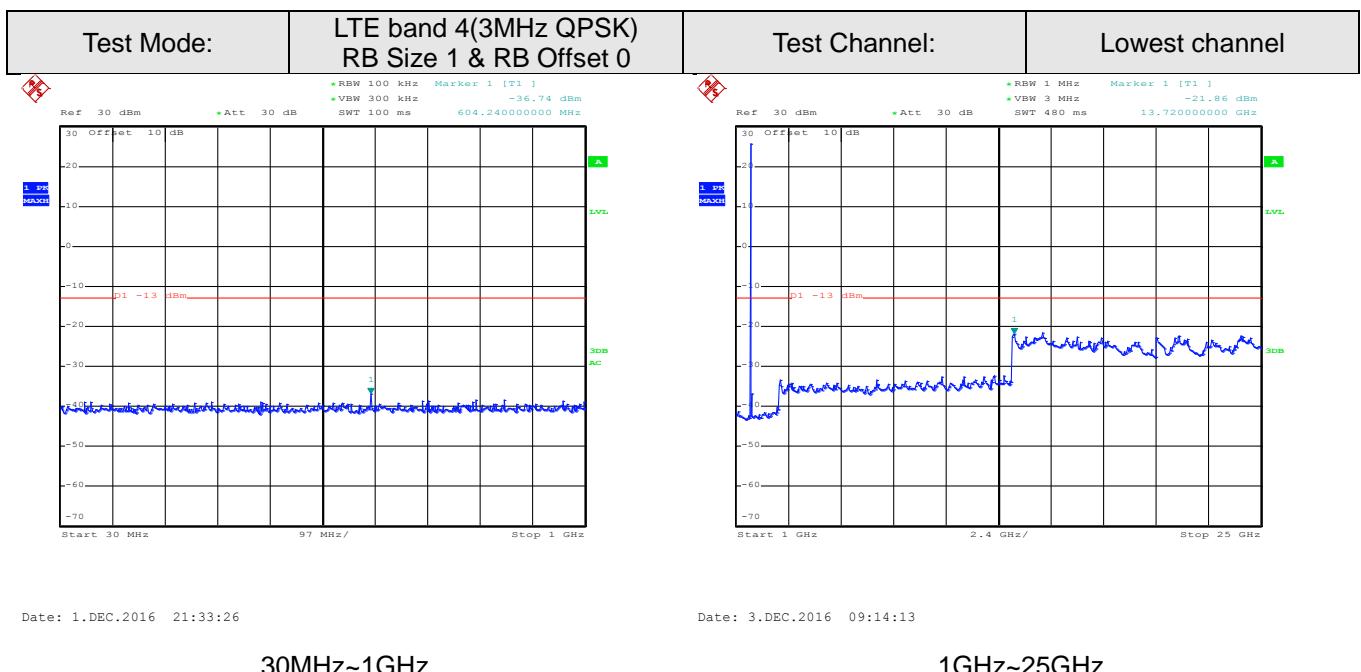
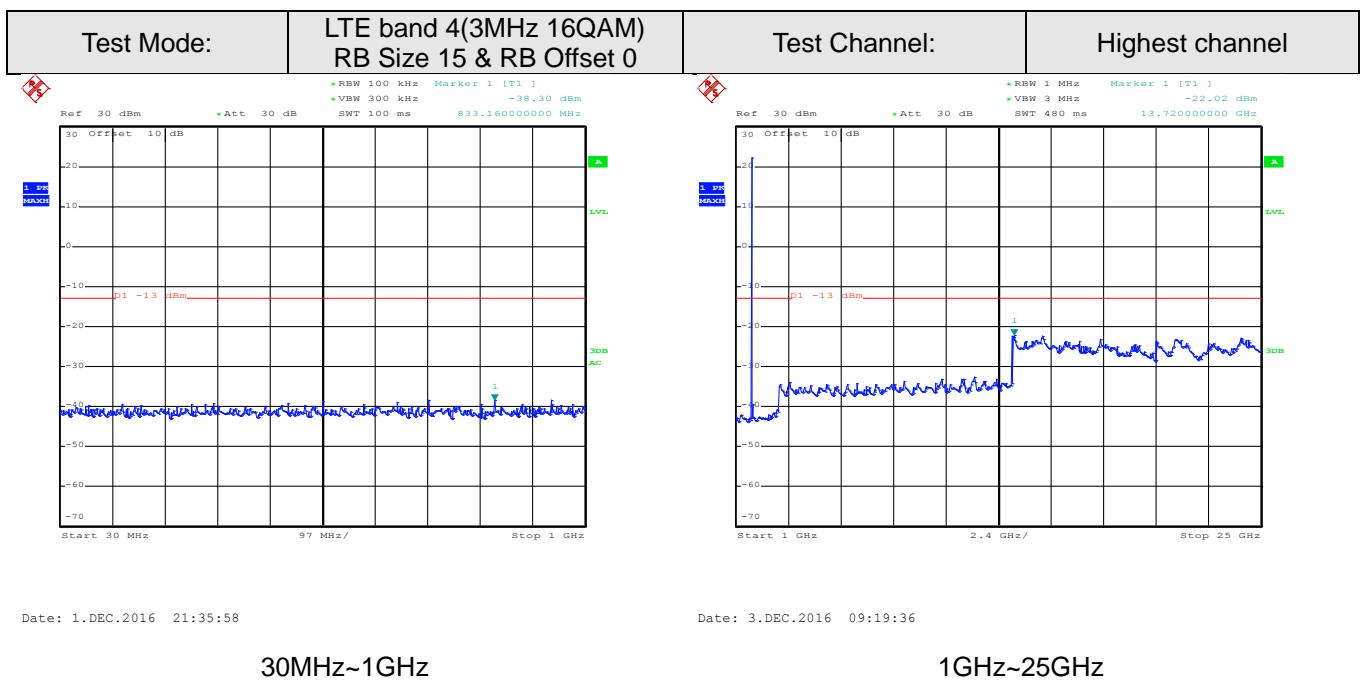
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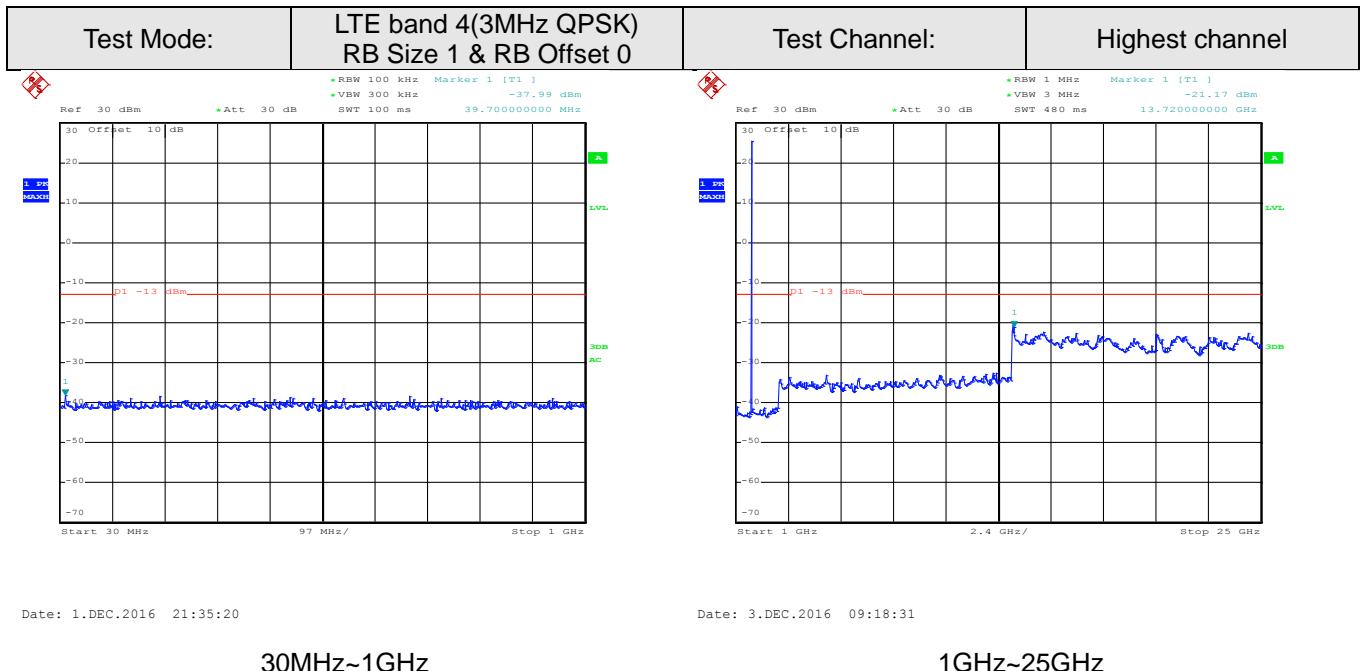
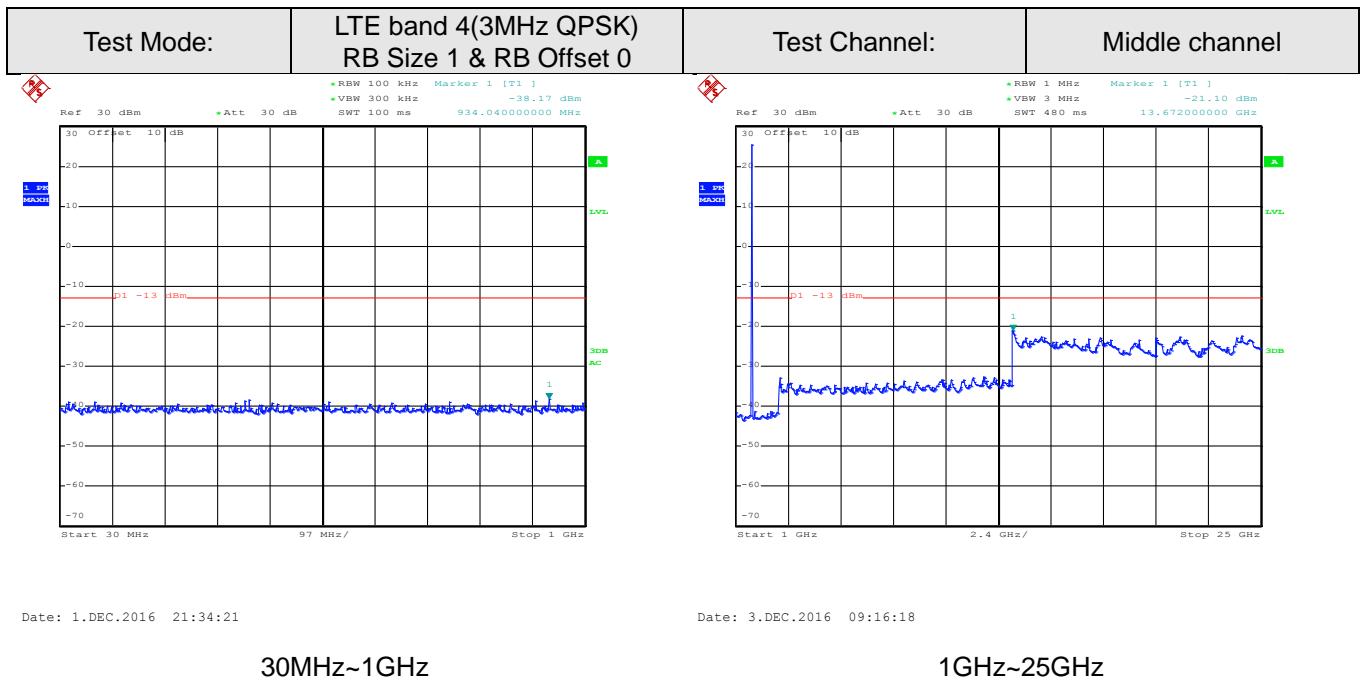
1GHz~25GHz

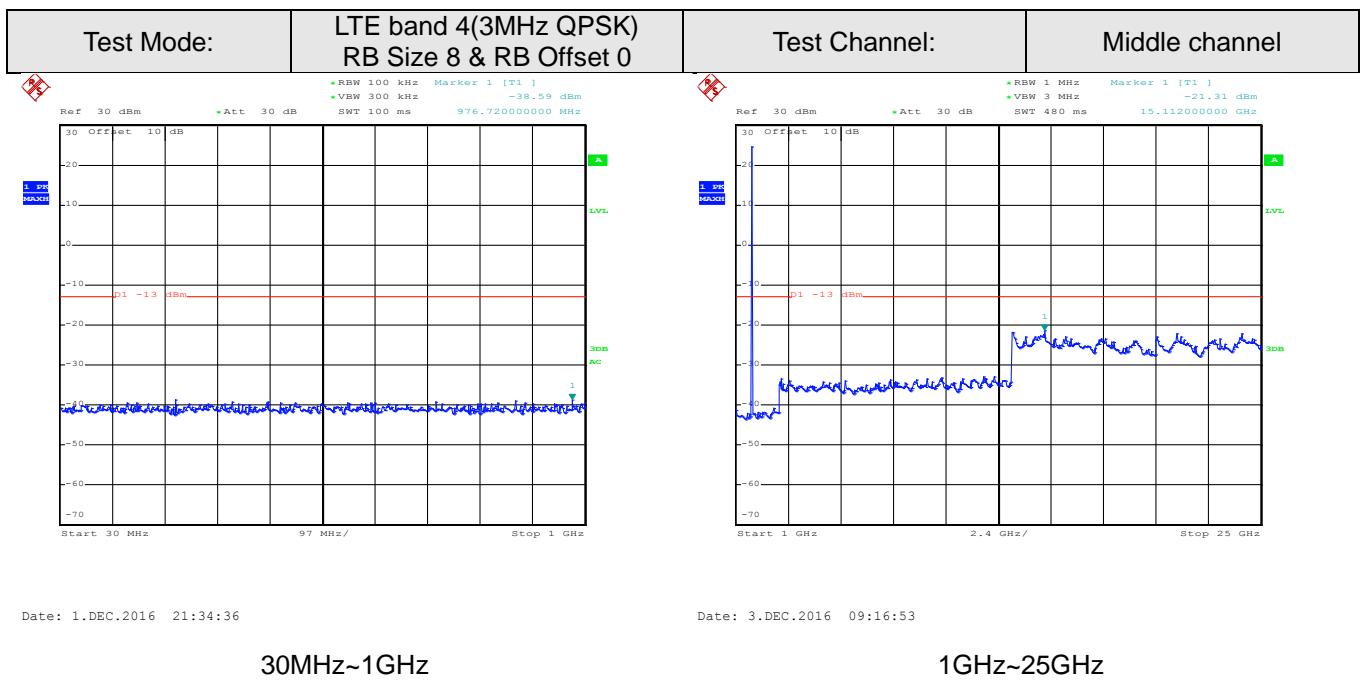
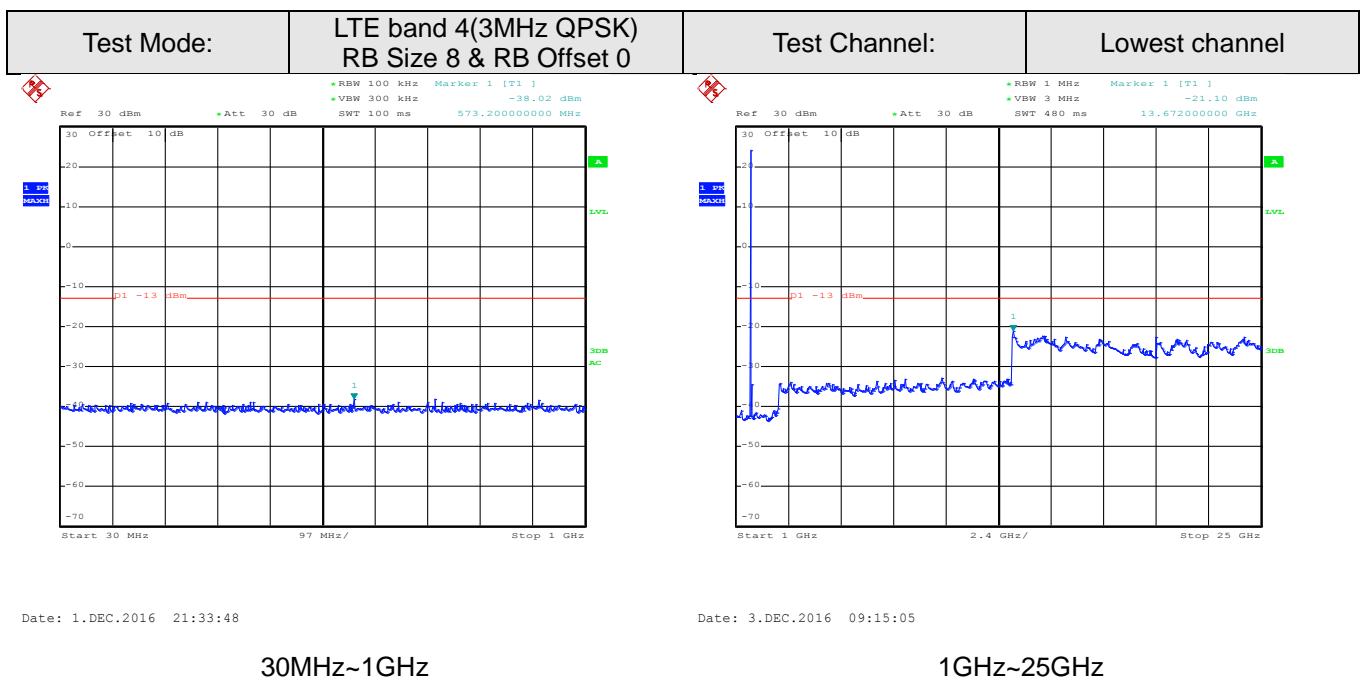


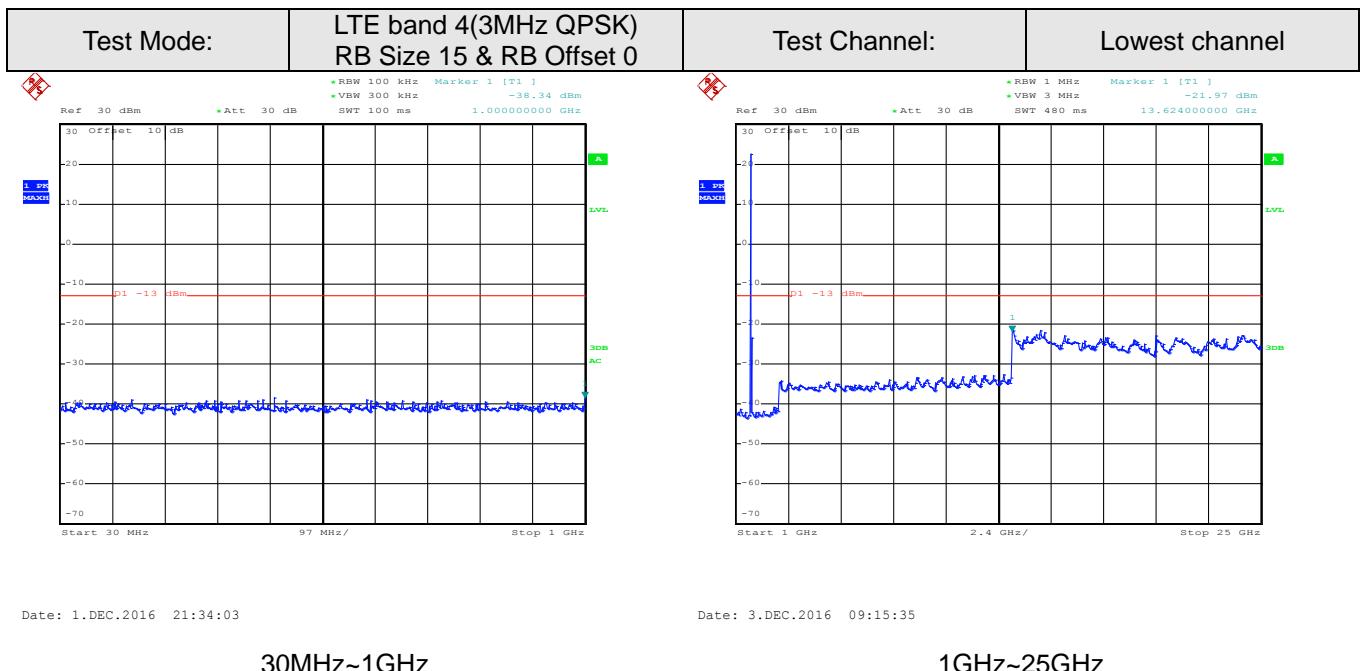
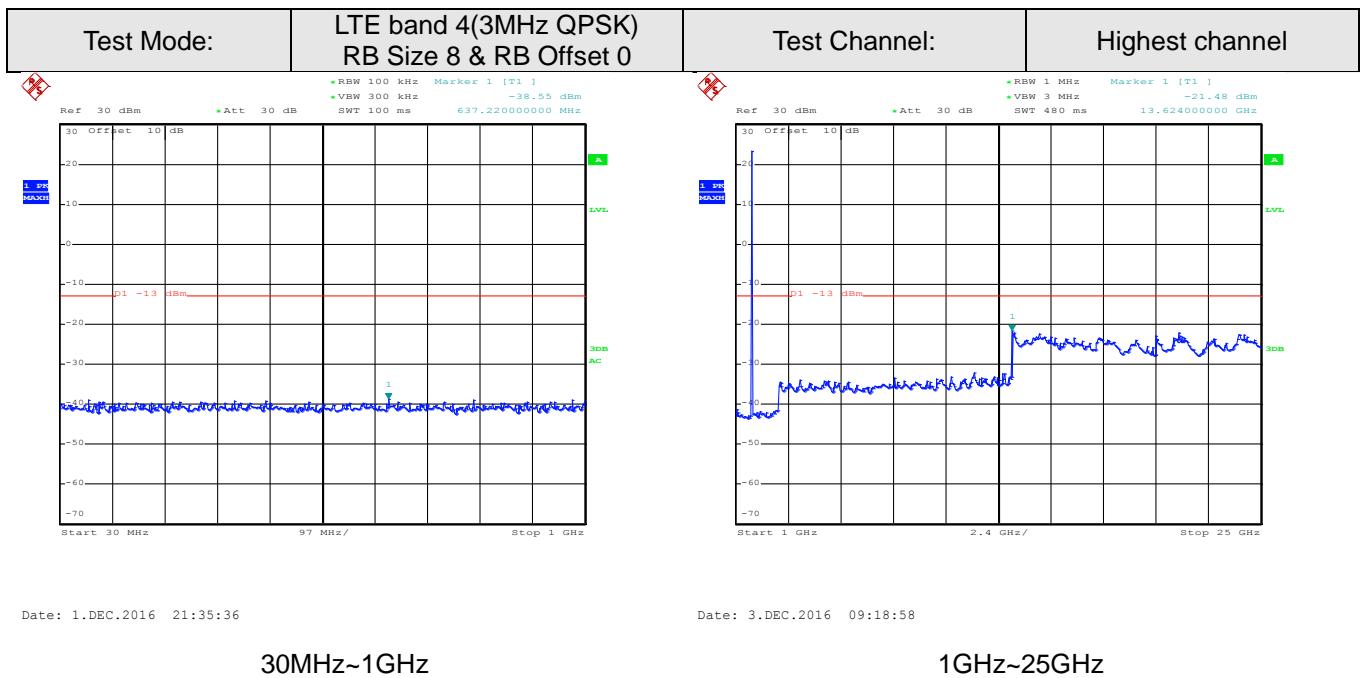


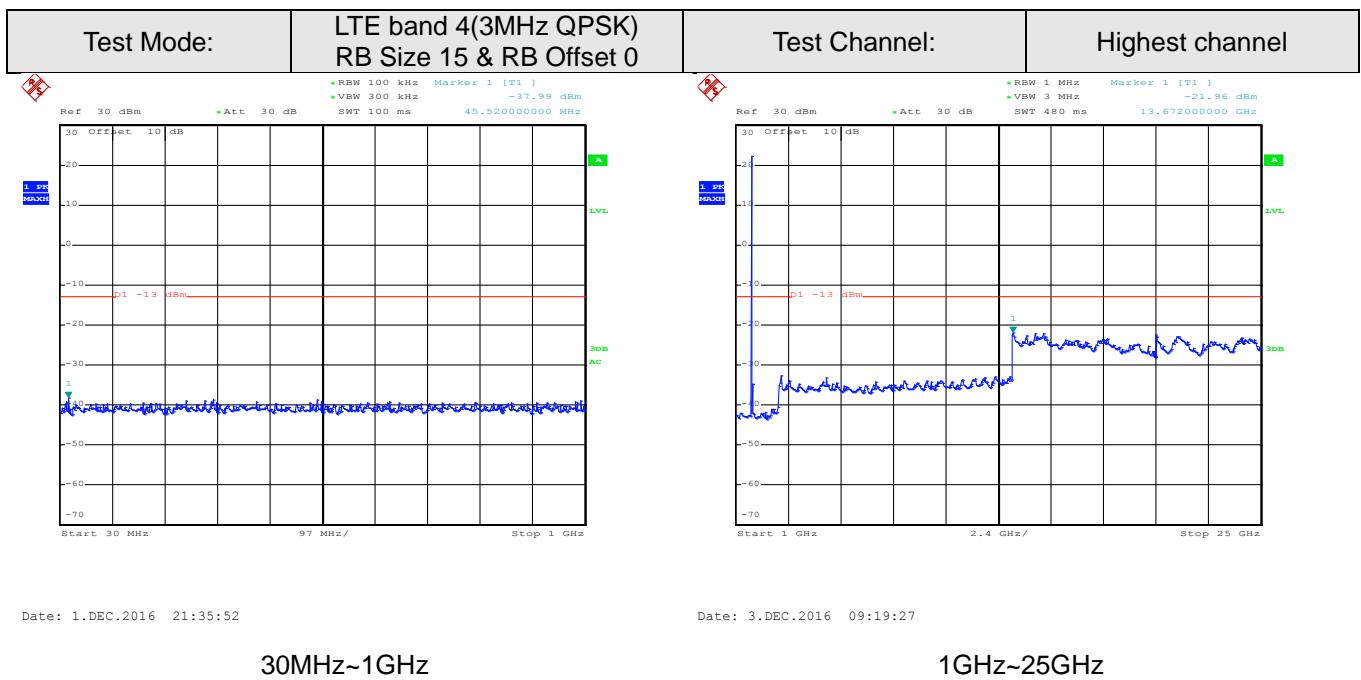
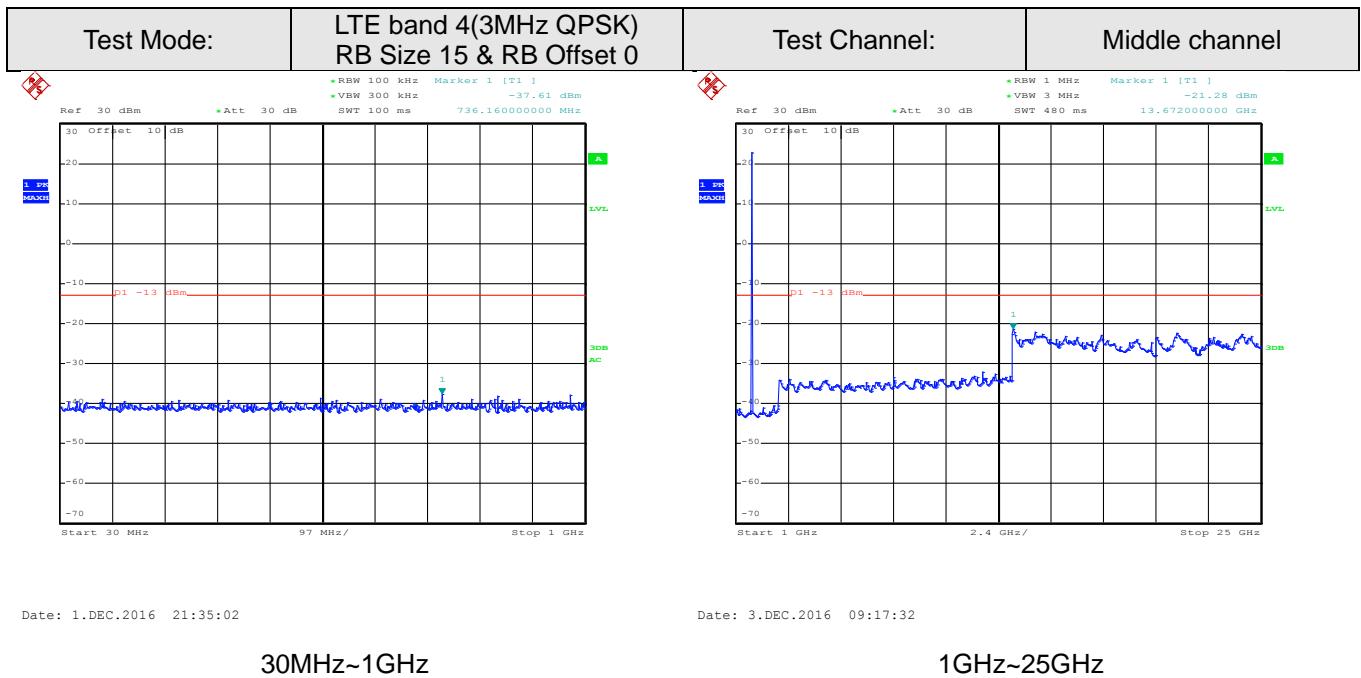




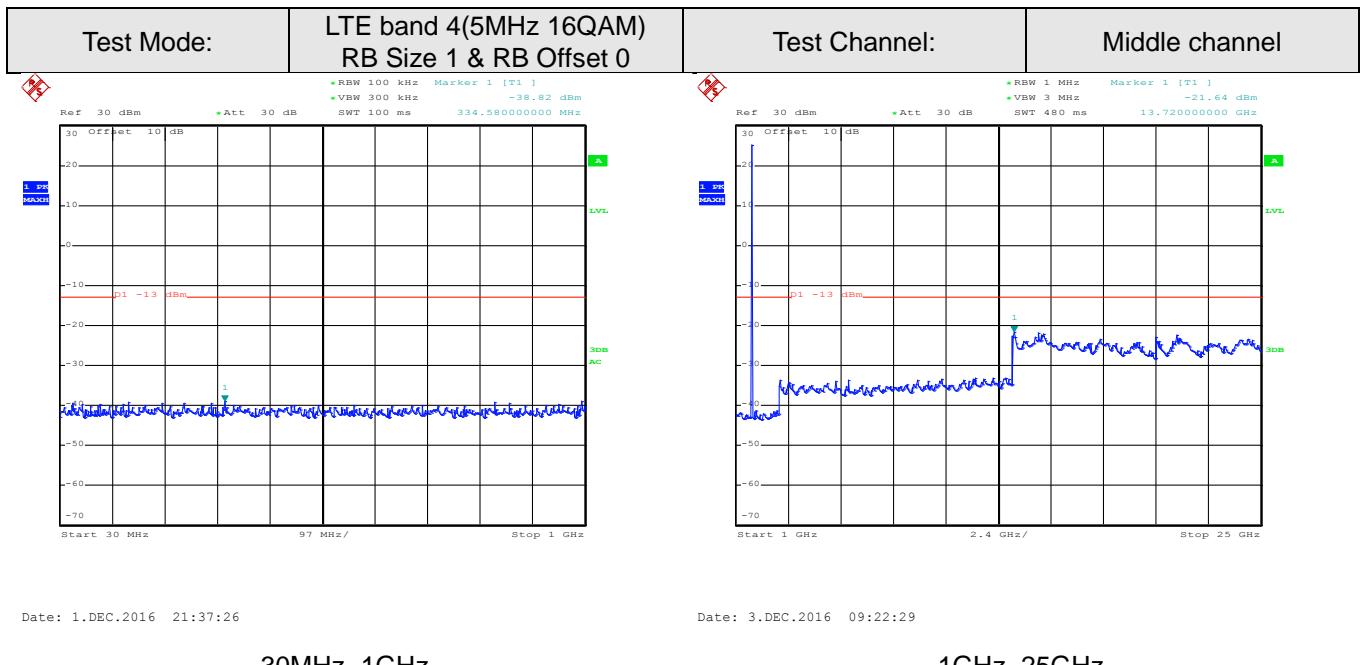
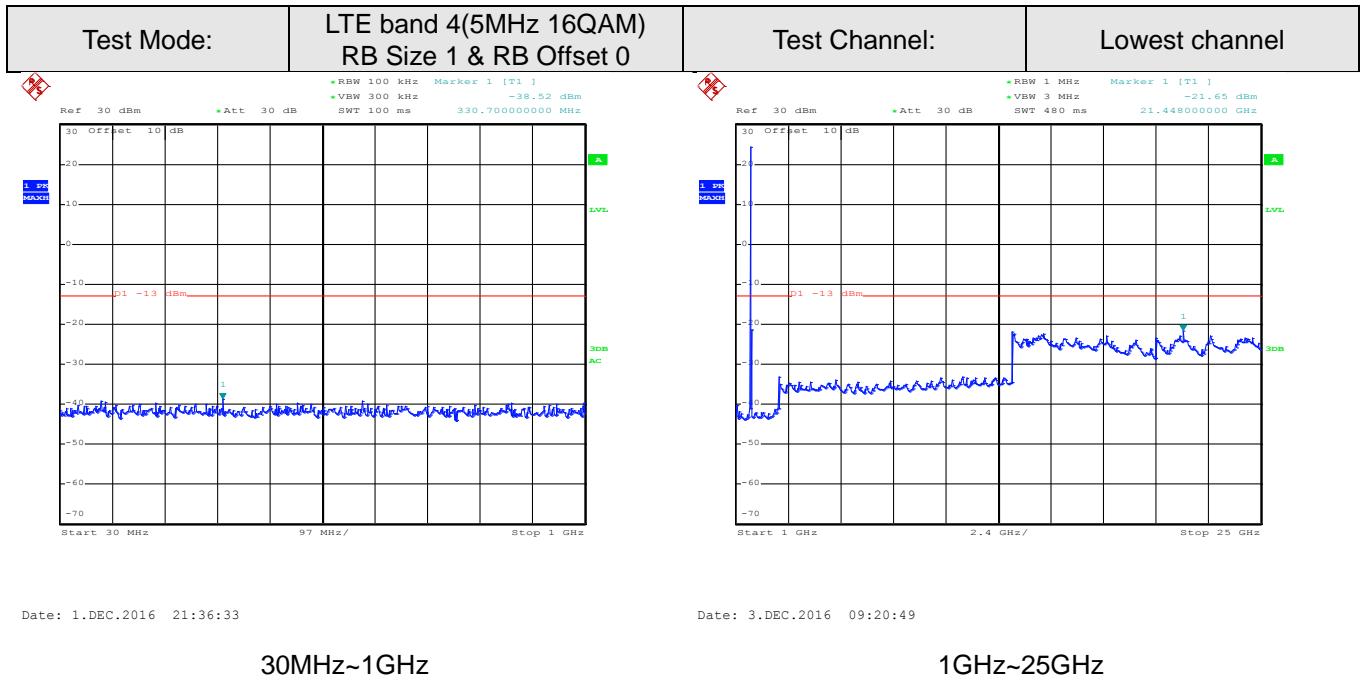


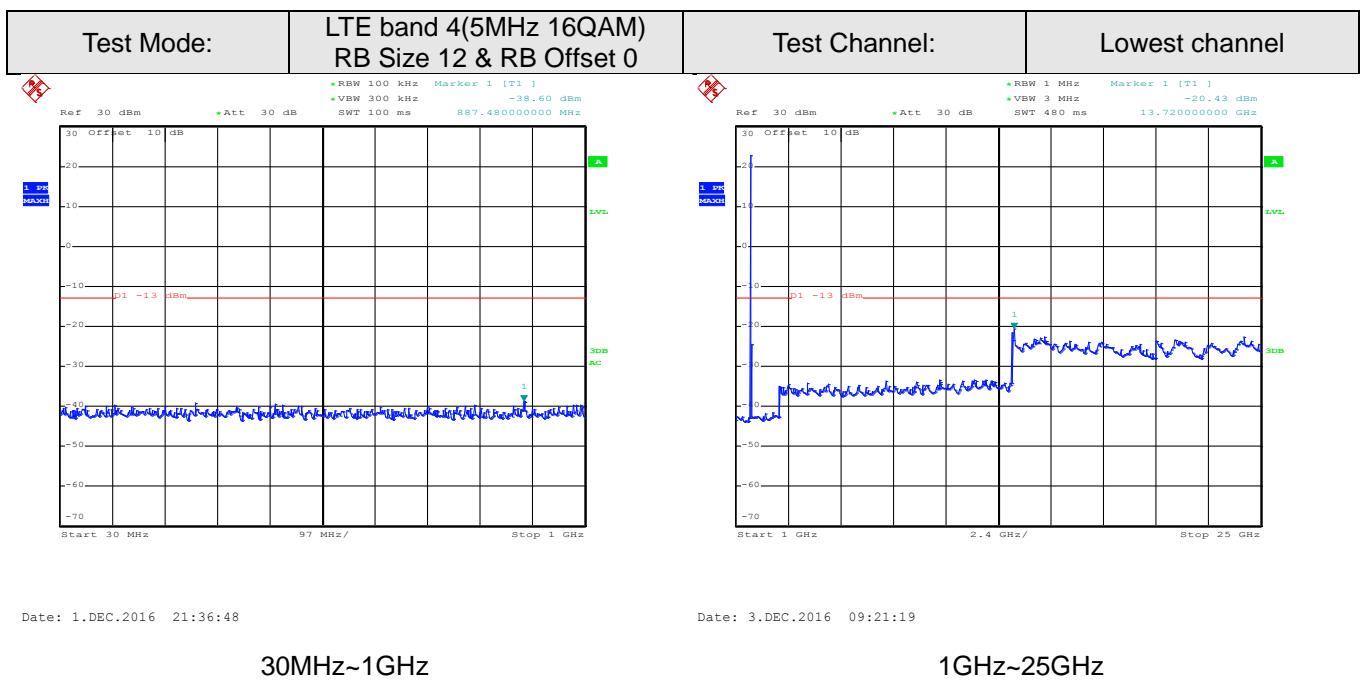
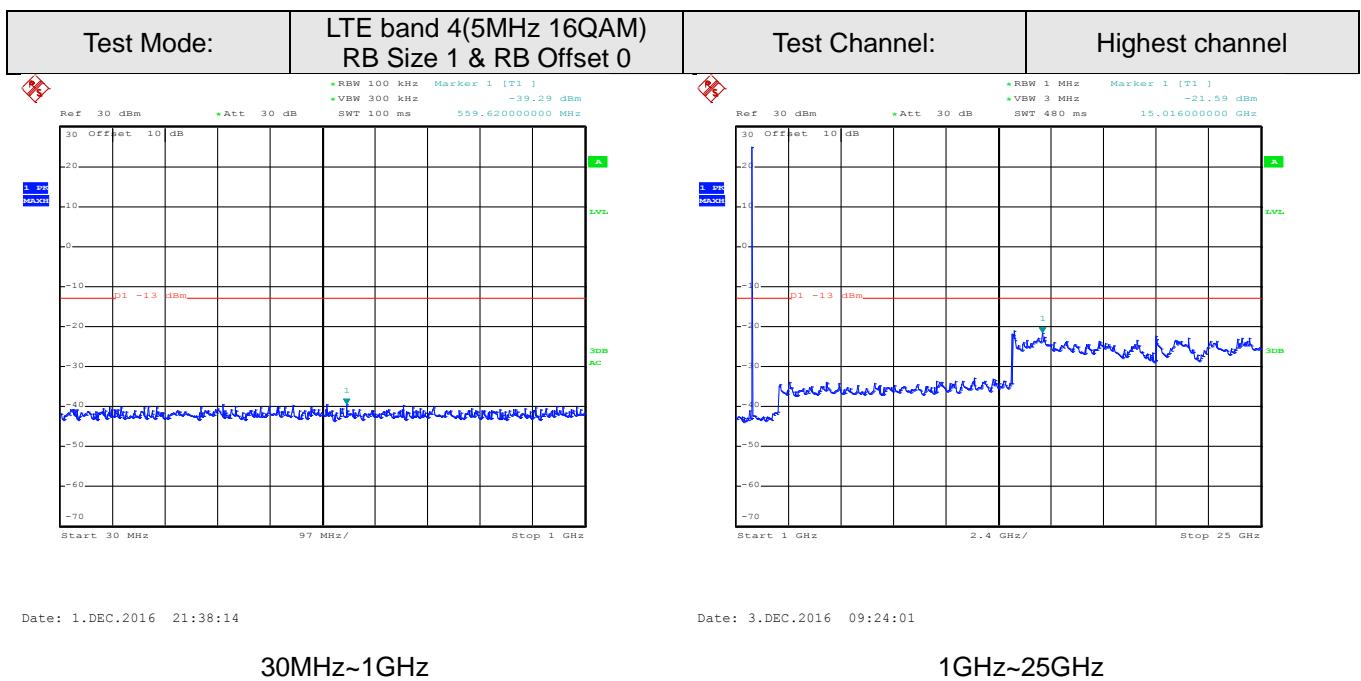


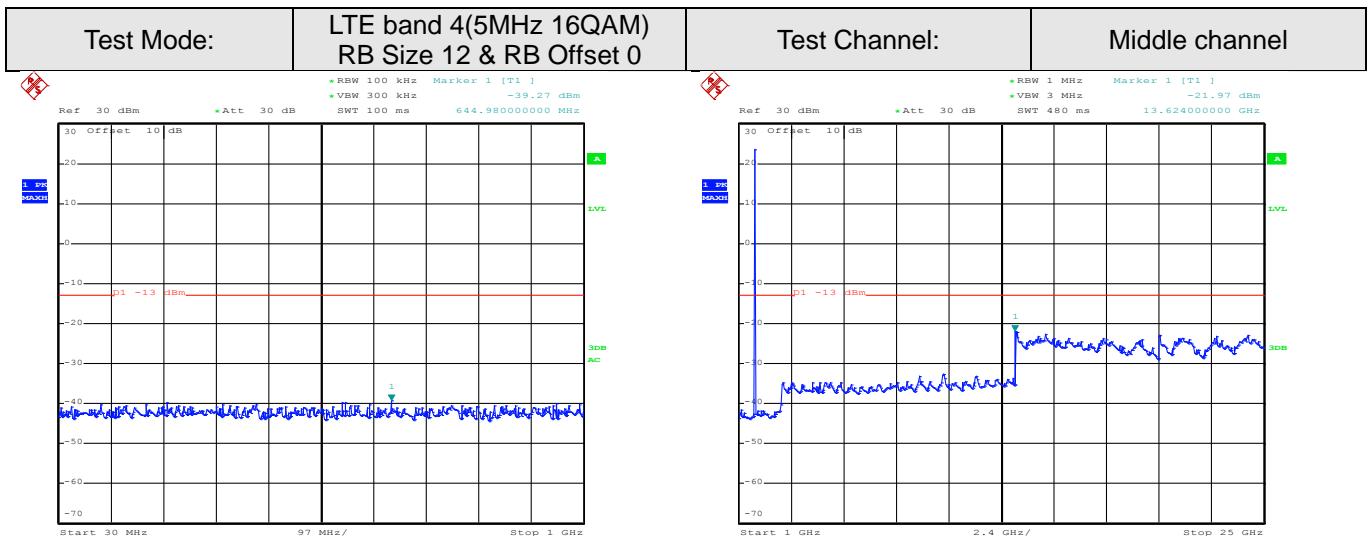




## 5MHz





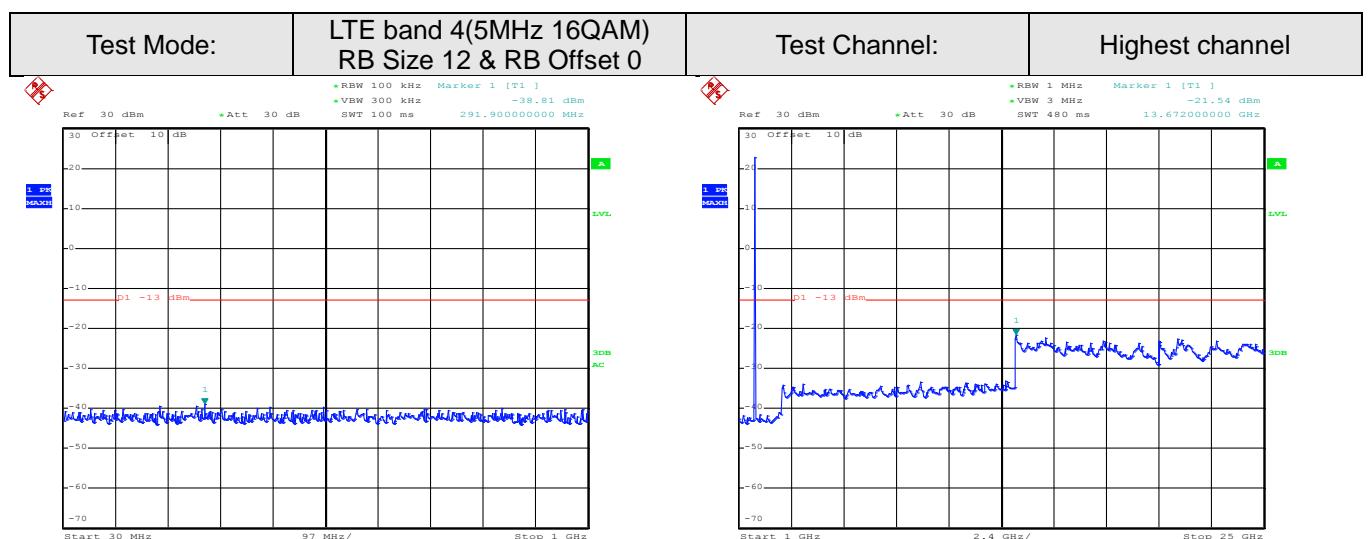


Date: 1.DEC.2016 21:37:42

30MHz~1GHz

Date: 3.DEC.2016 09:23:00

1GHz~25GHz

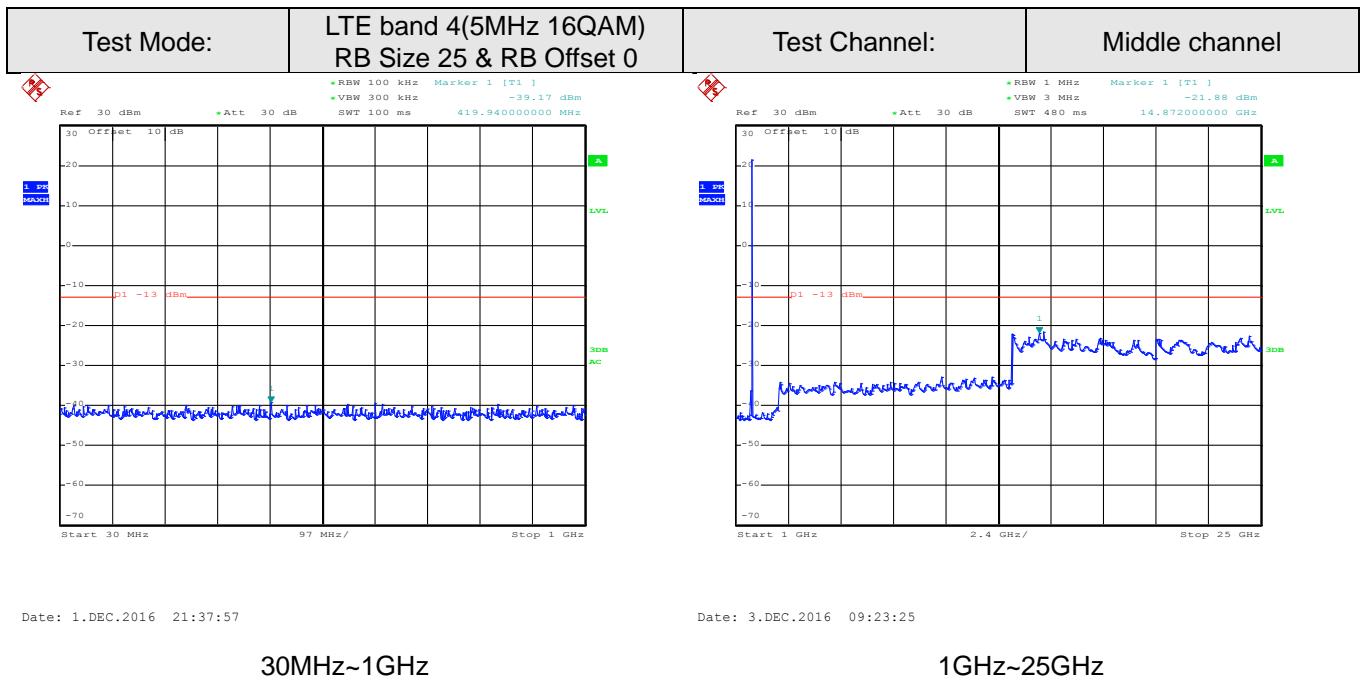
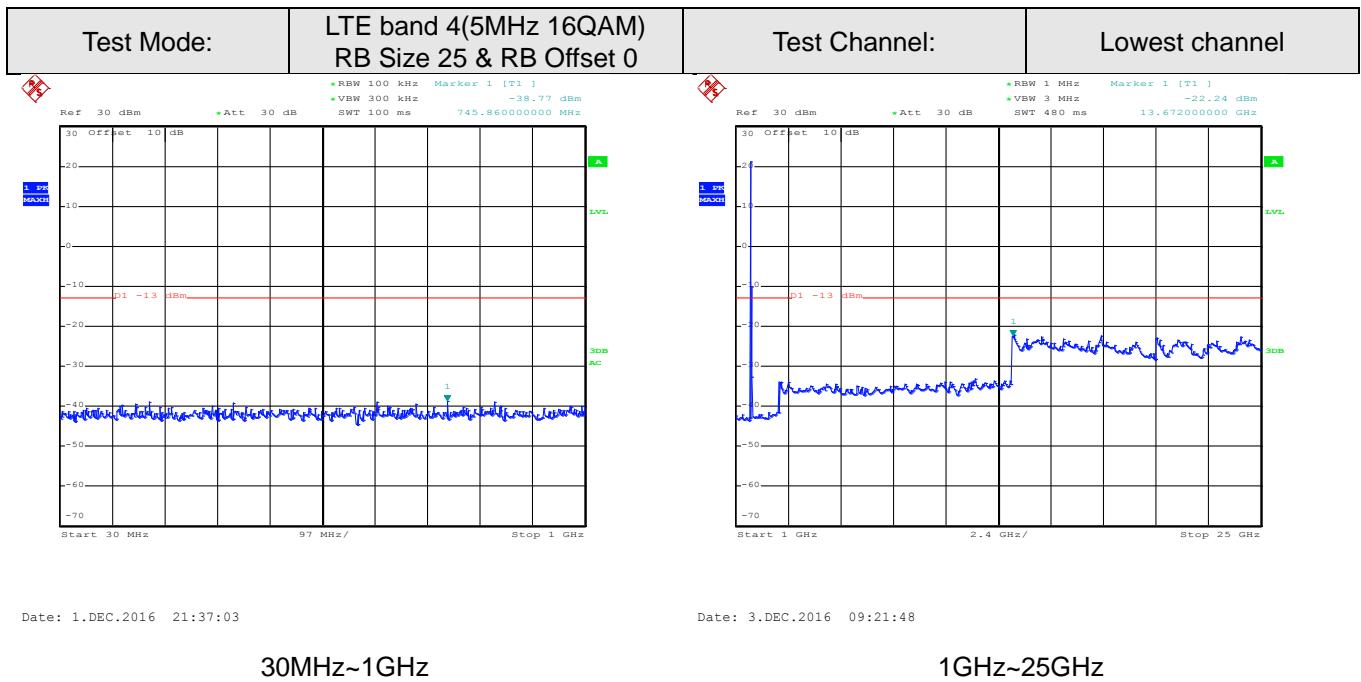


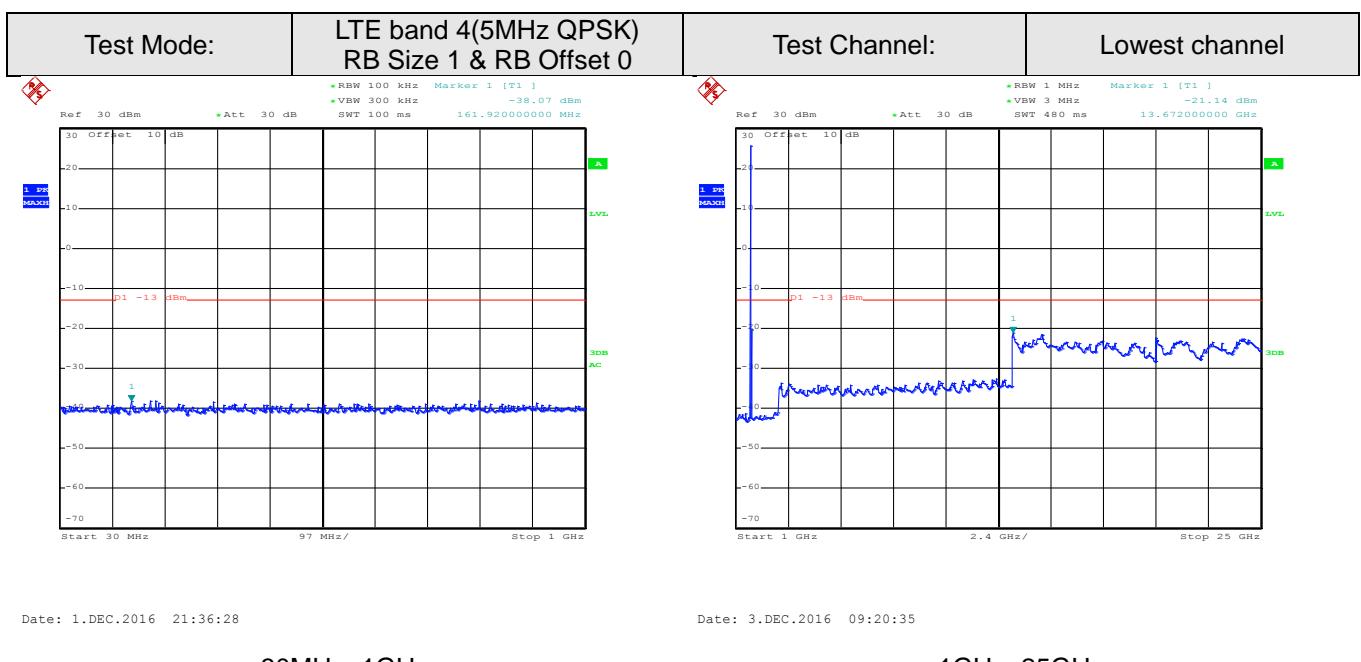
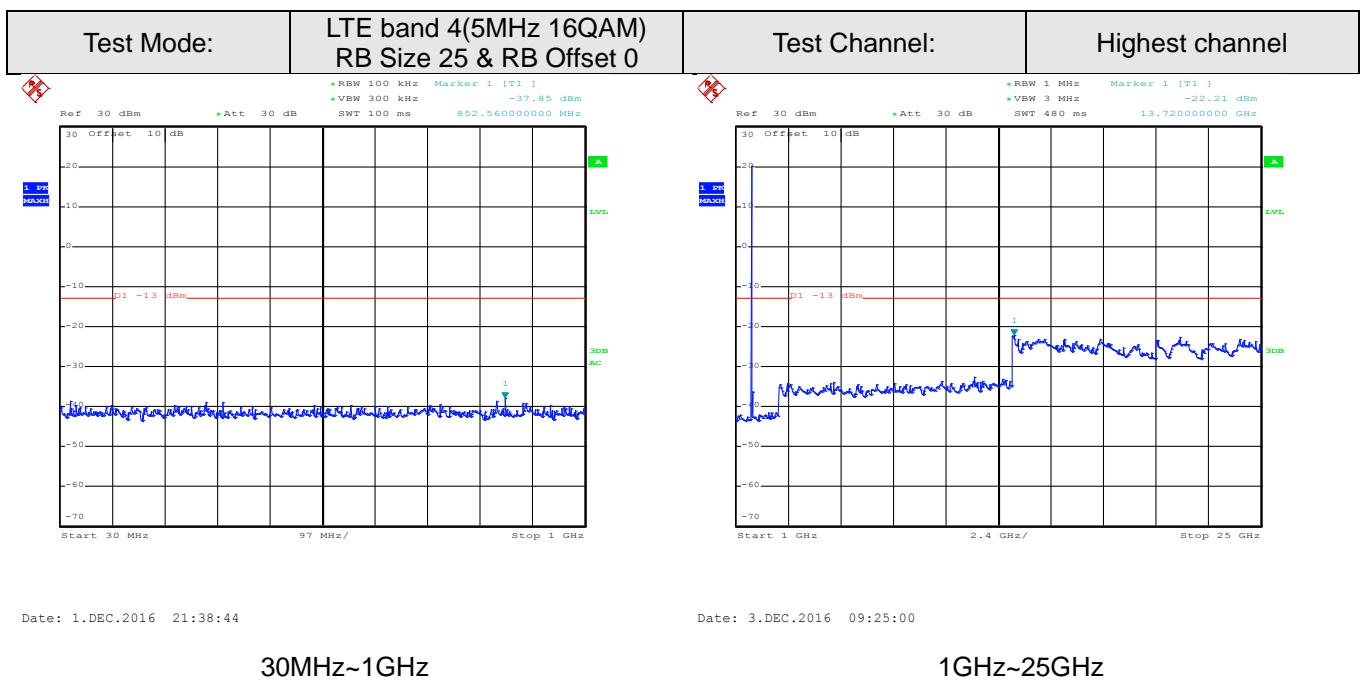
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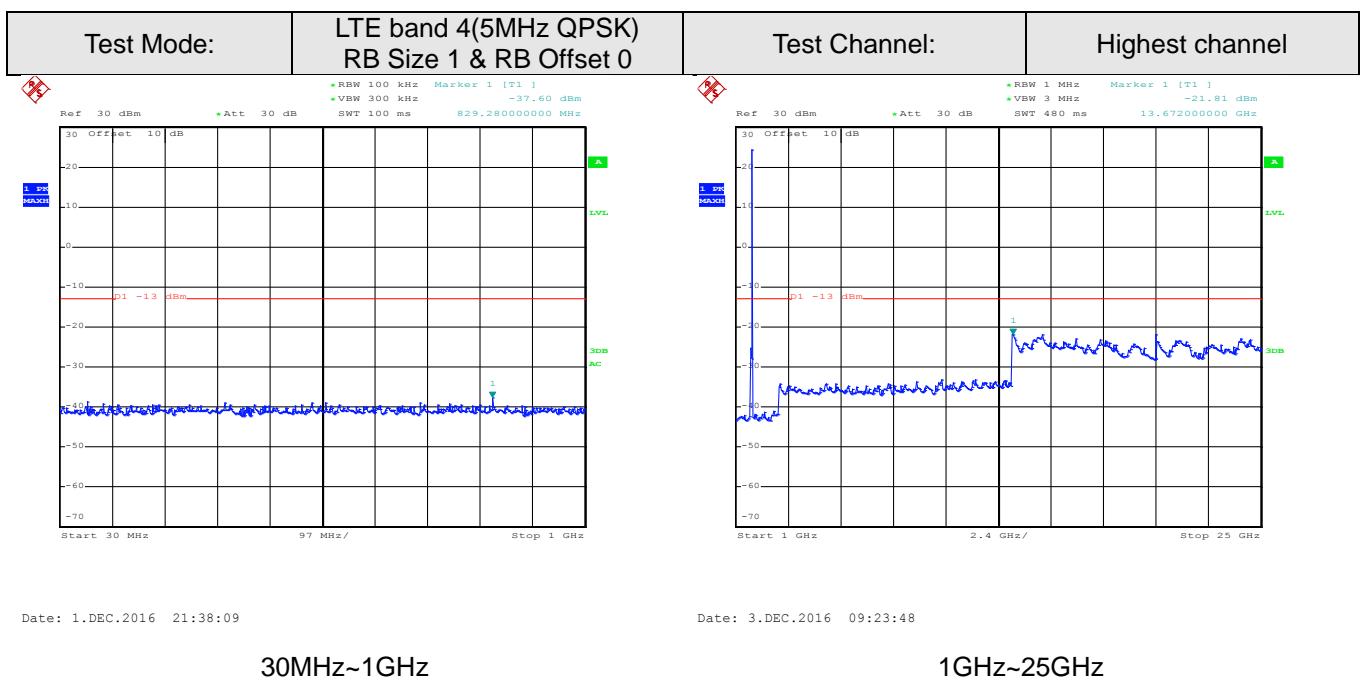
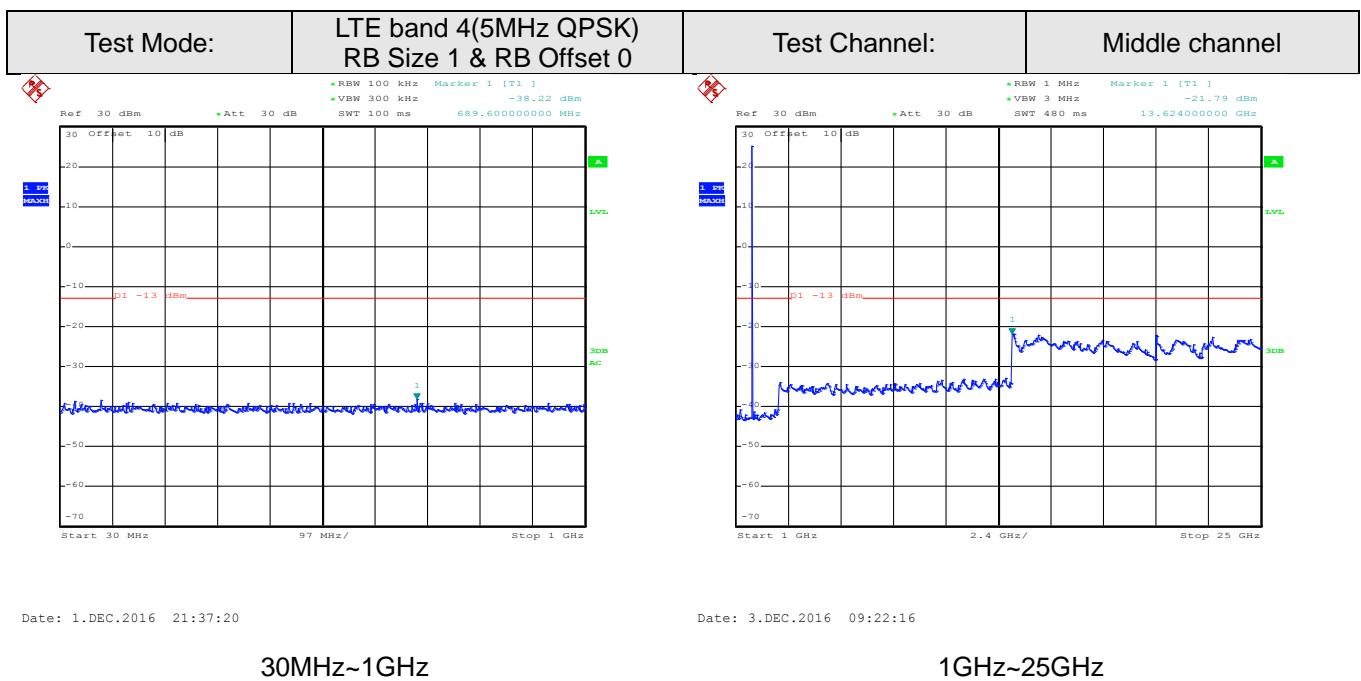
30MHz~1GHz

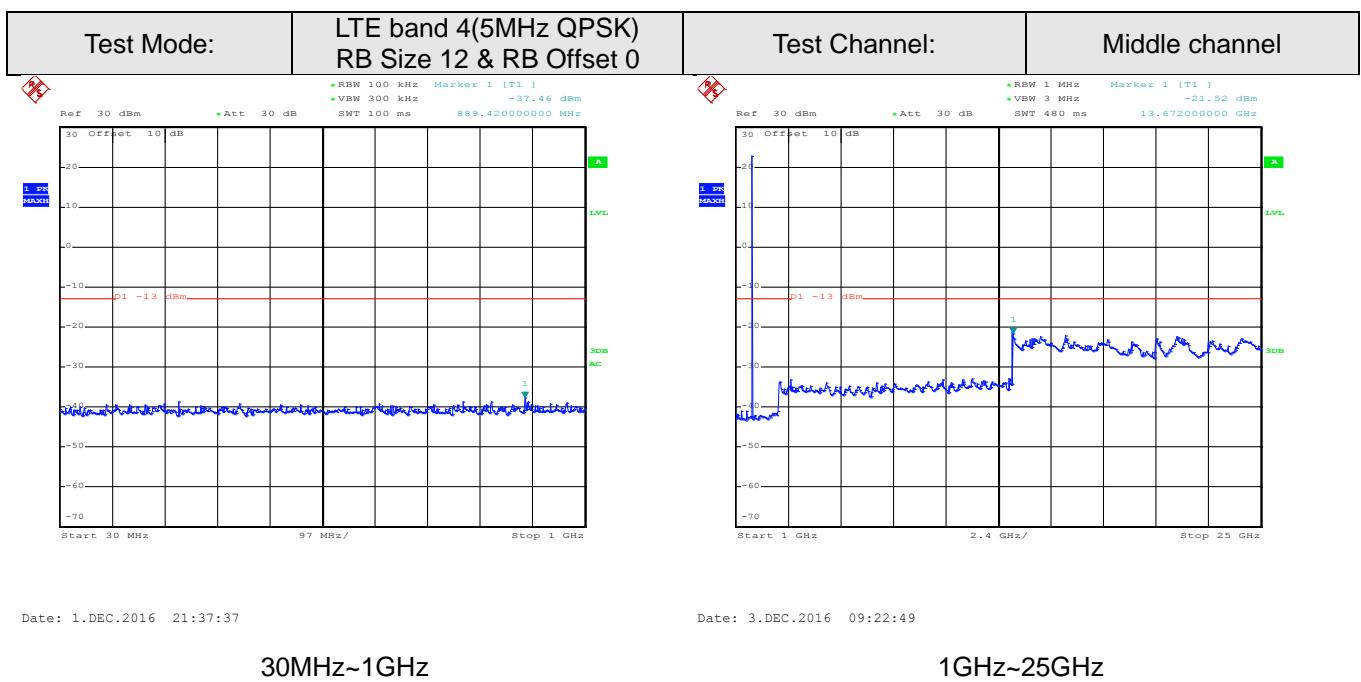
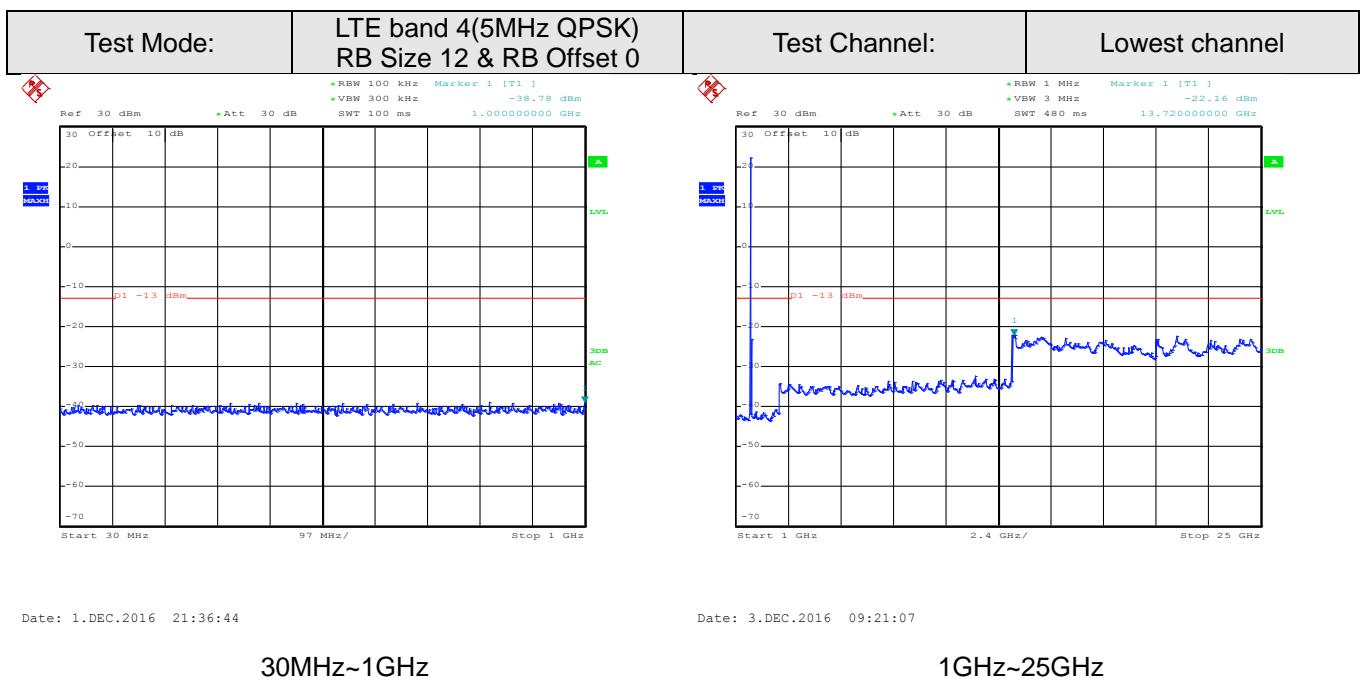
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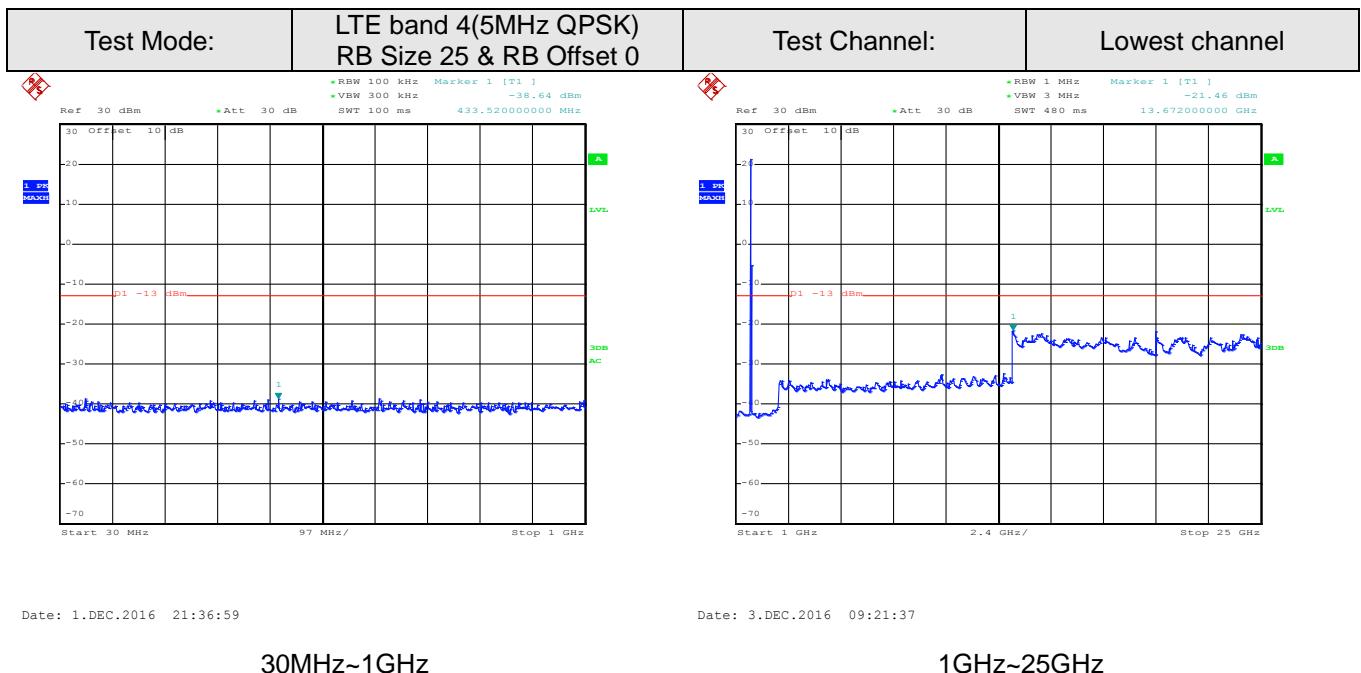
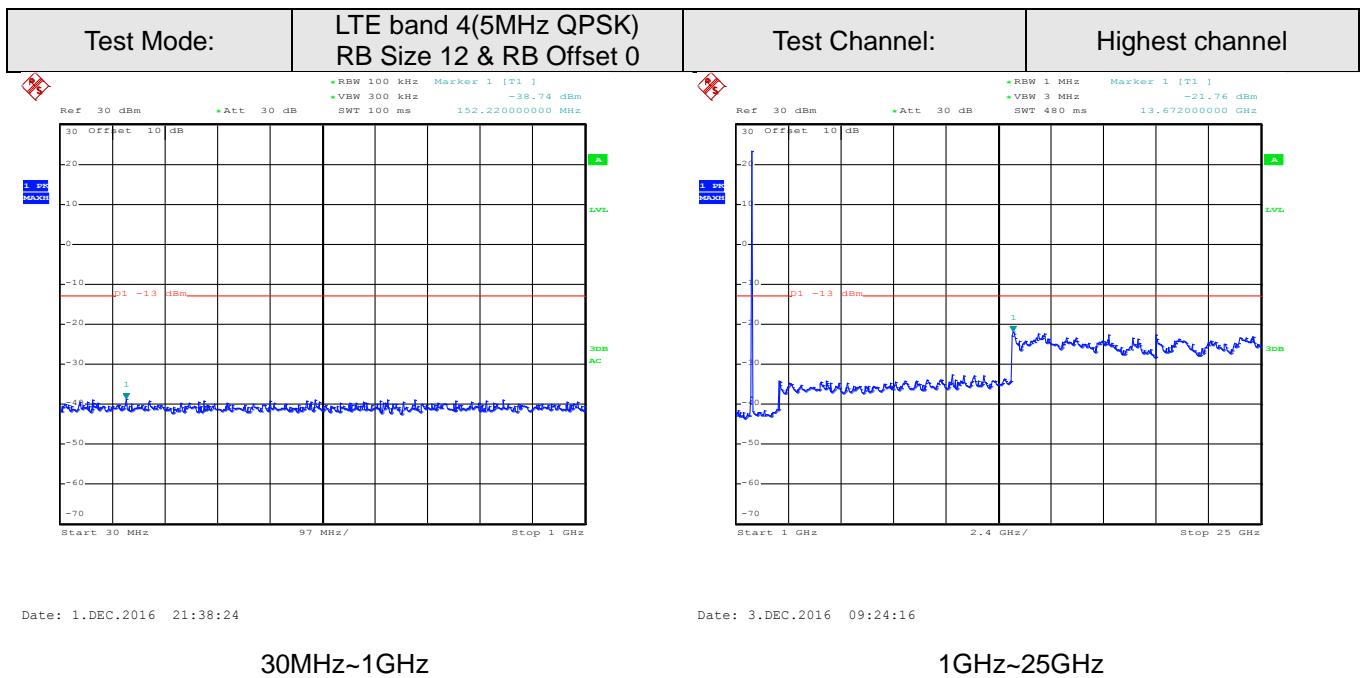
1GHz~25GHz

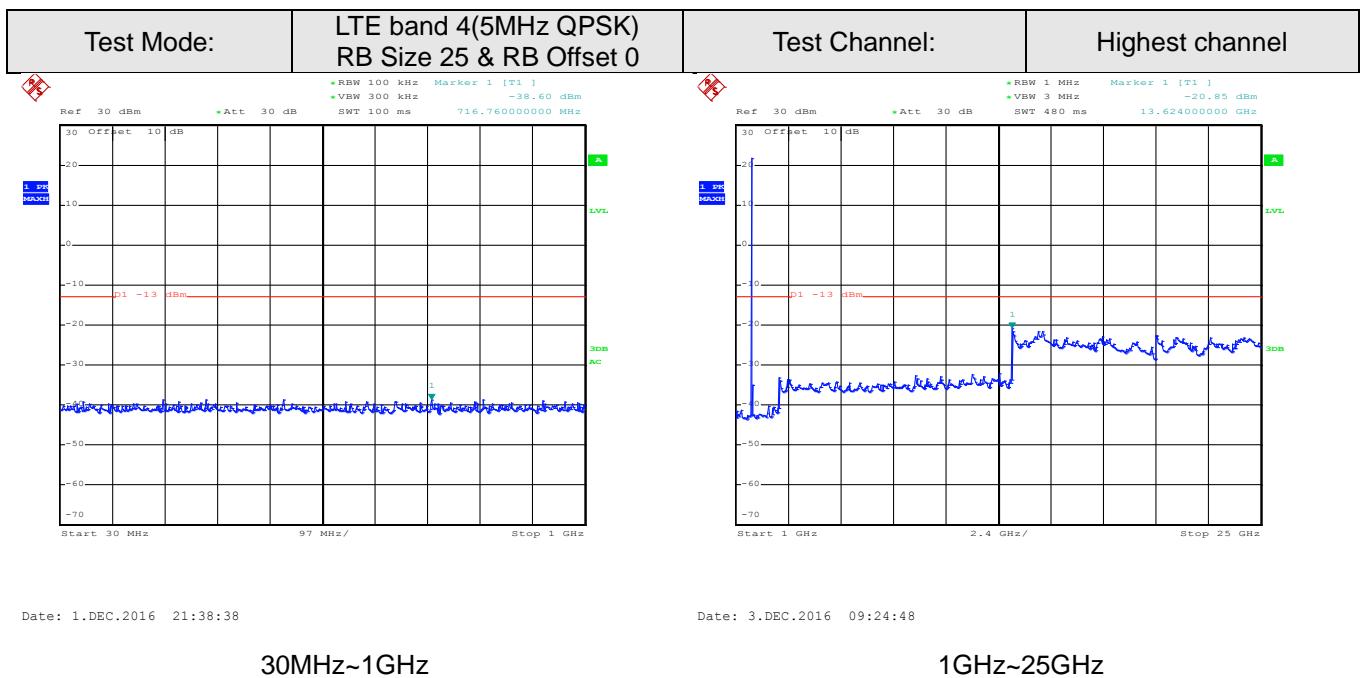
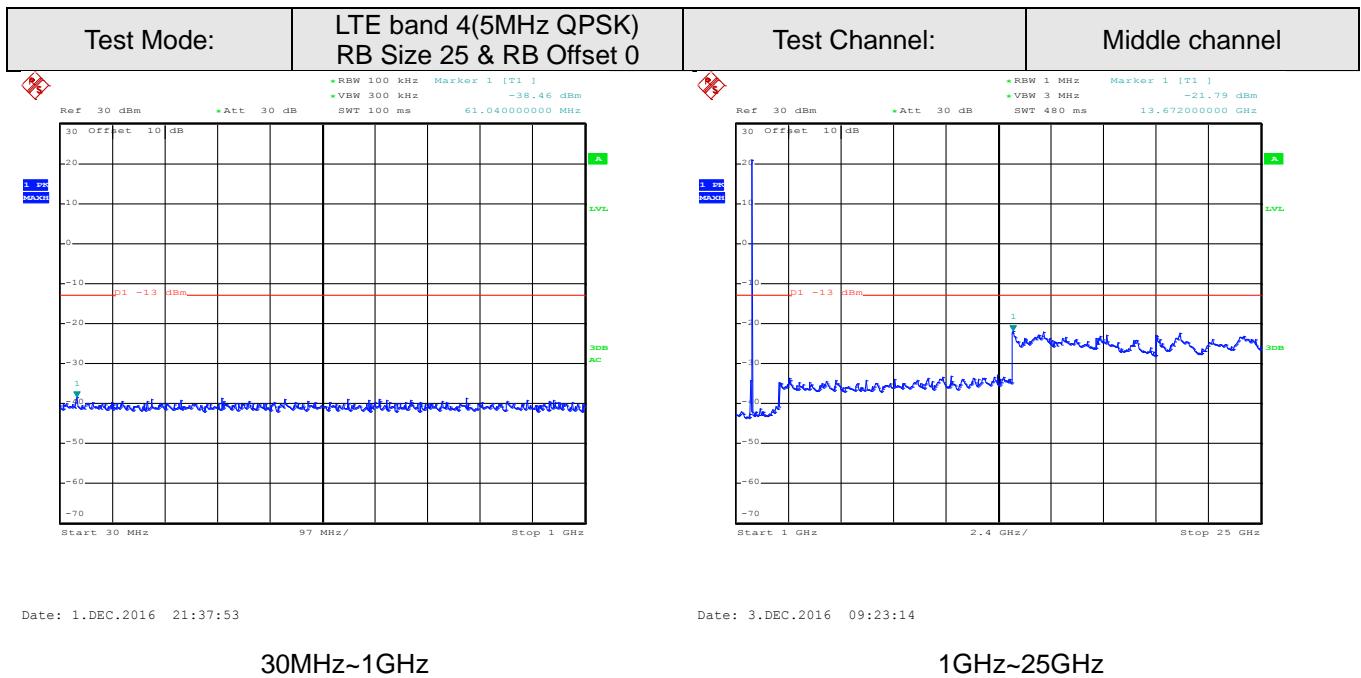












## 10MHz

