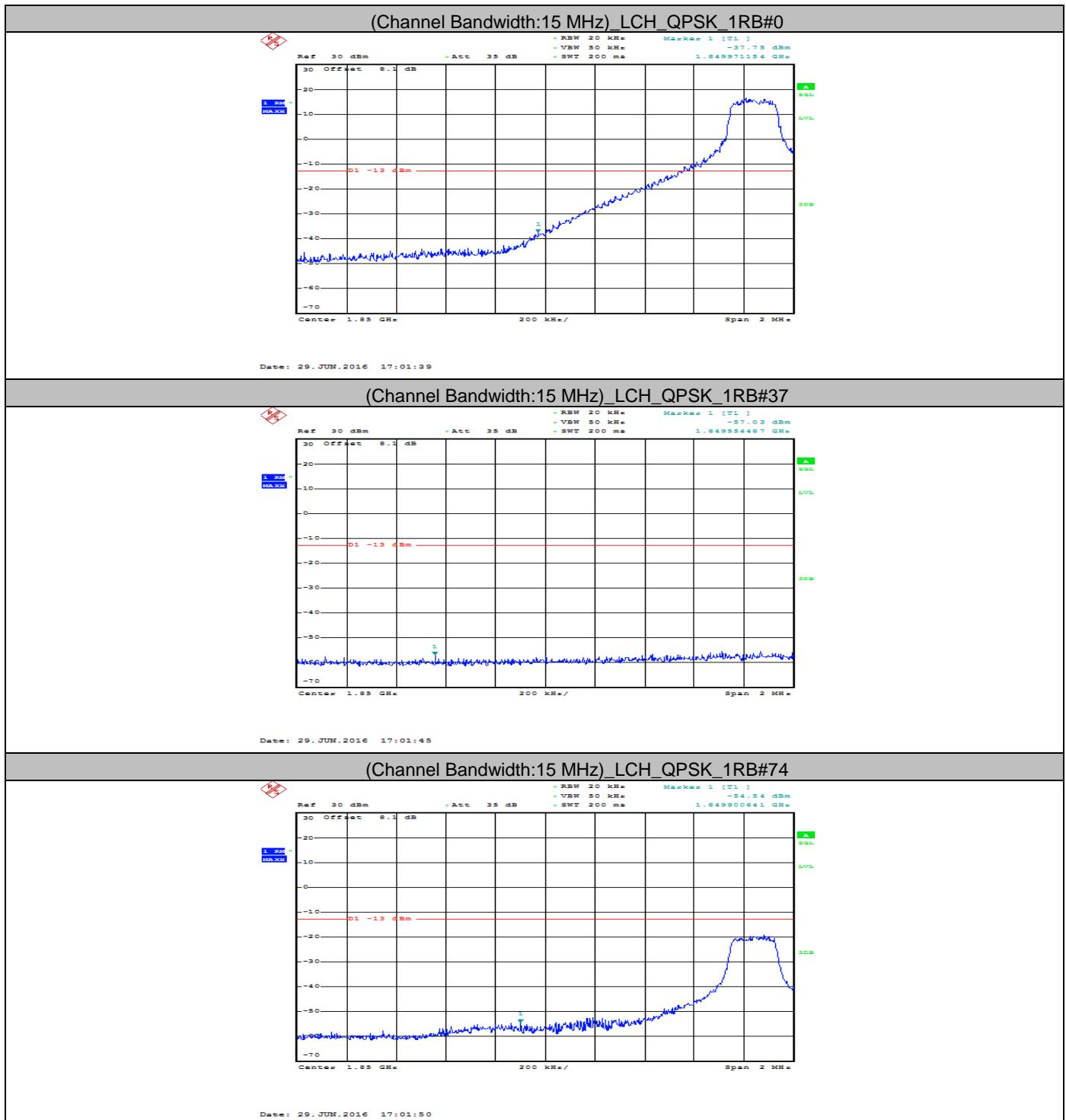
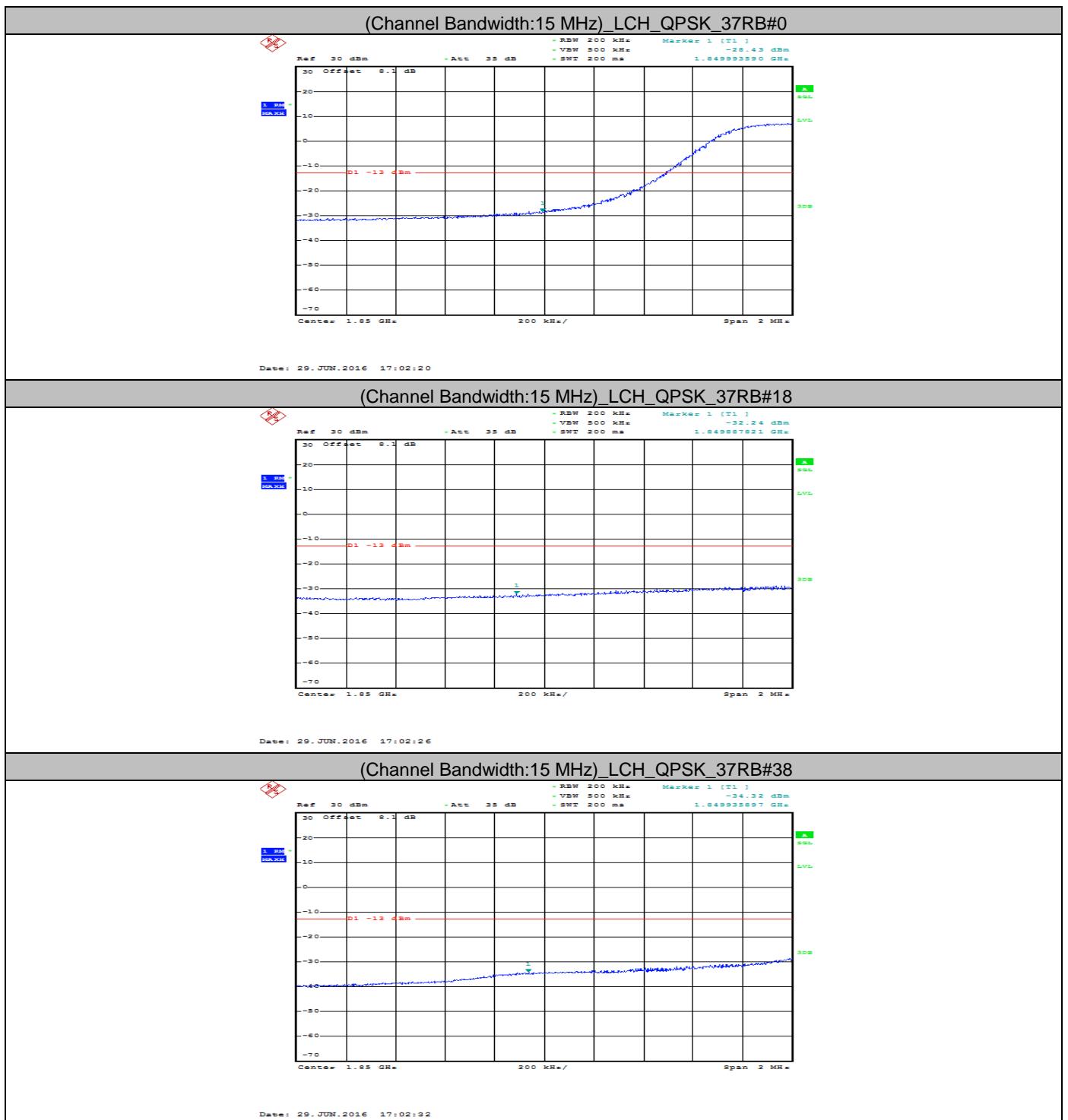
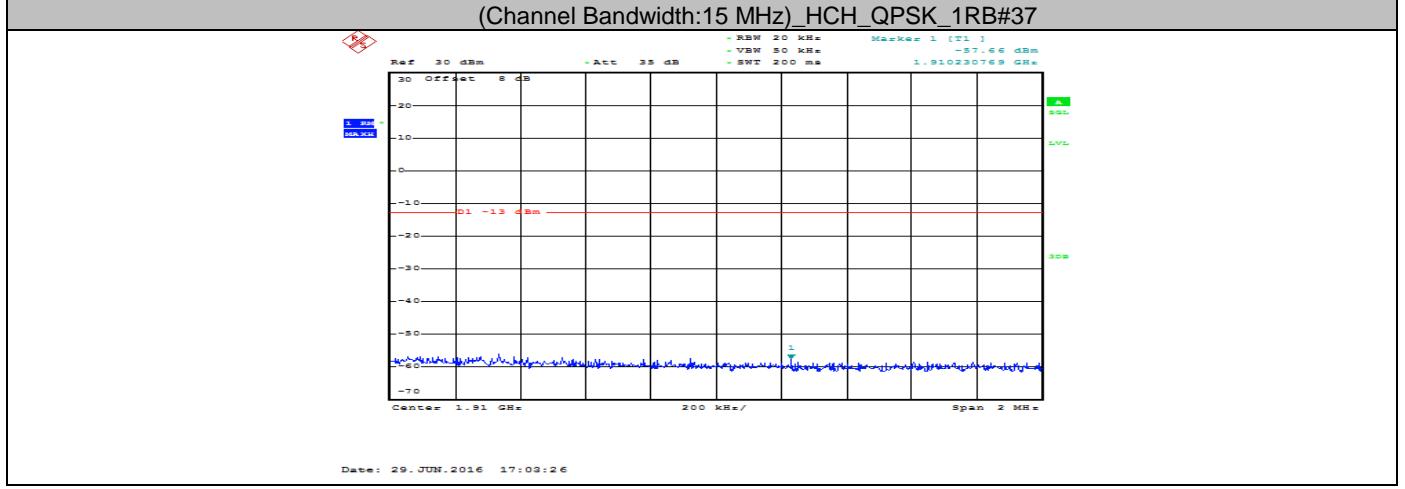
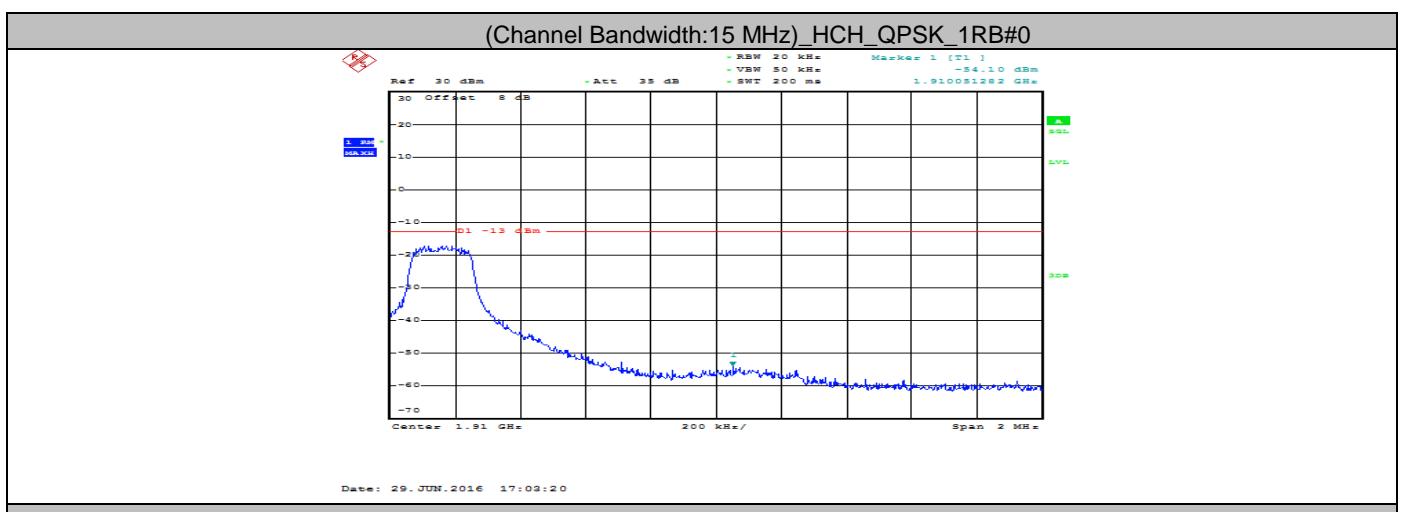
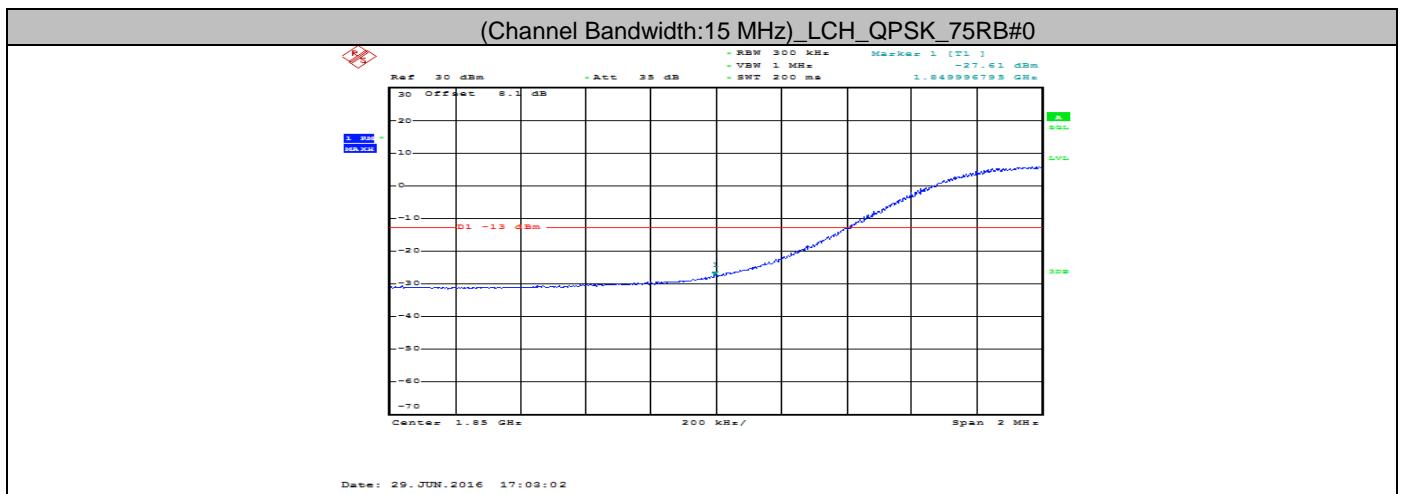
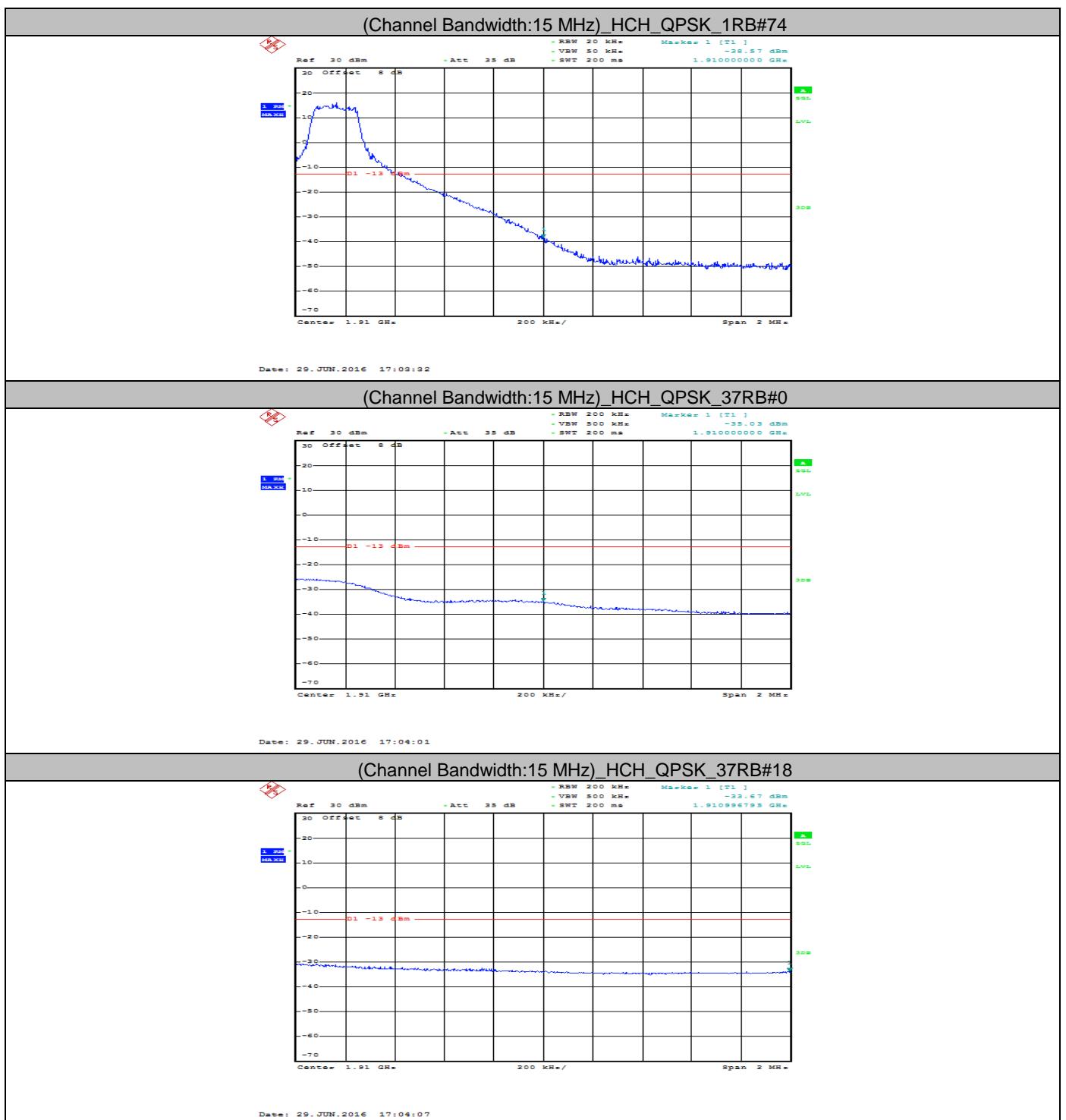


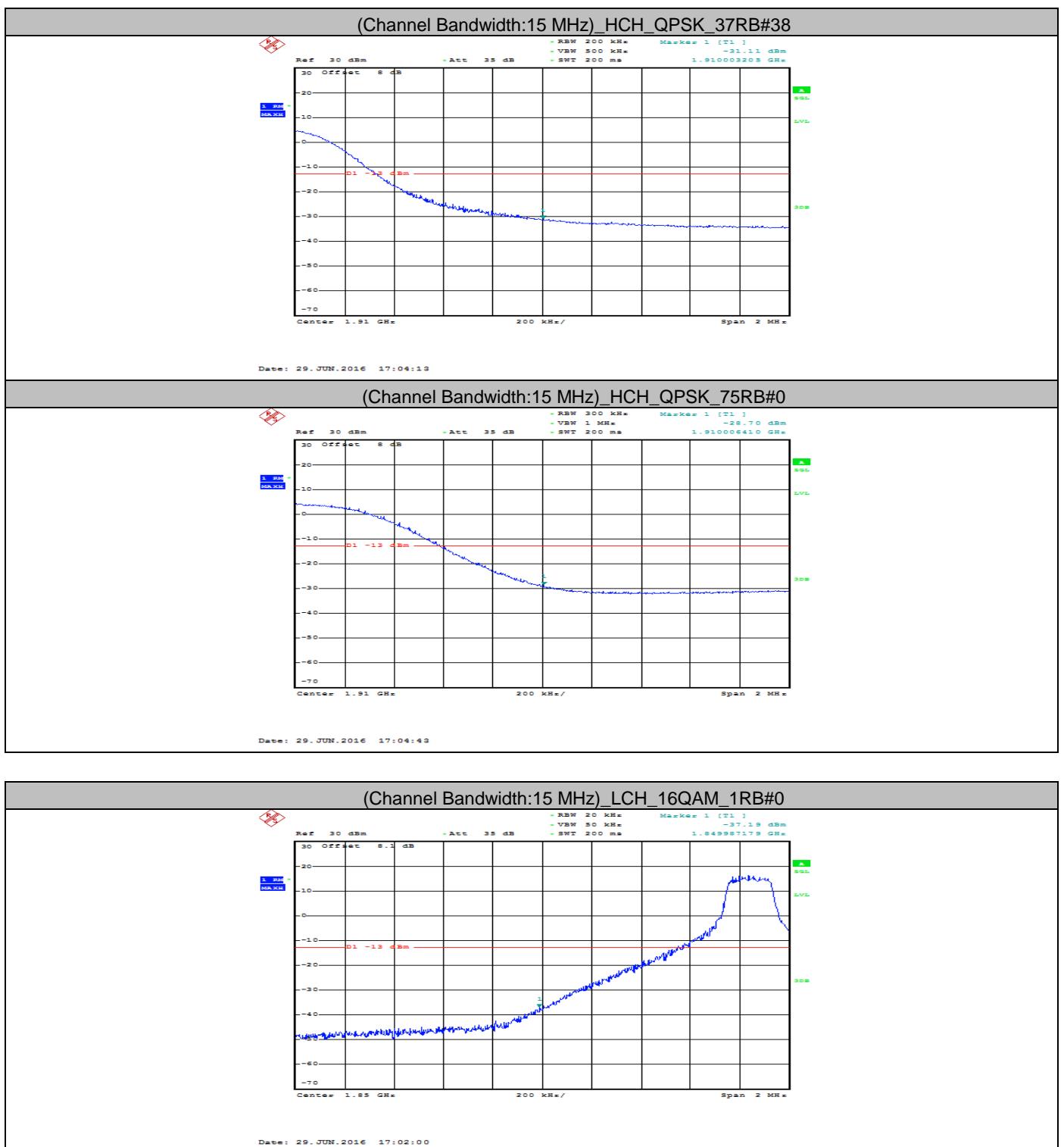
Band edge measurement
 LTE Band 2
 Channel Bandwidth: 15 MHz

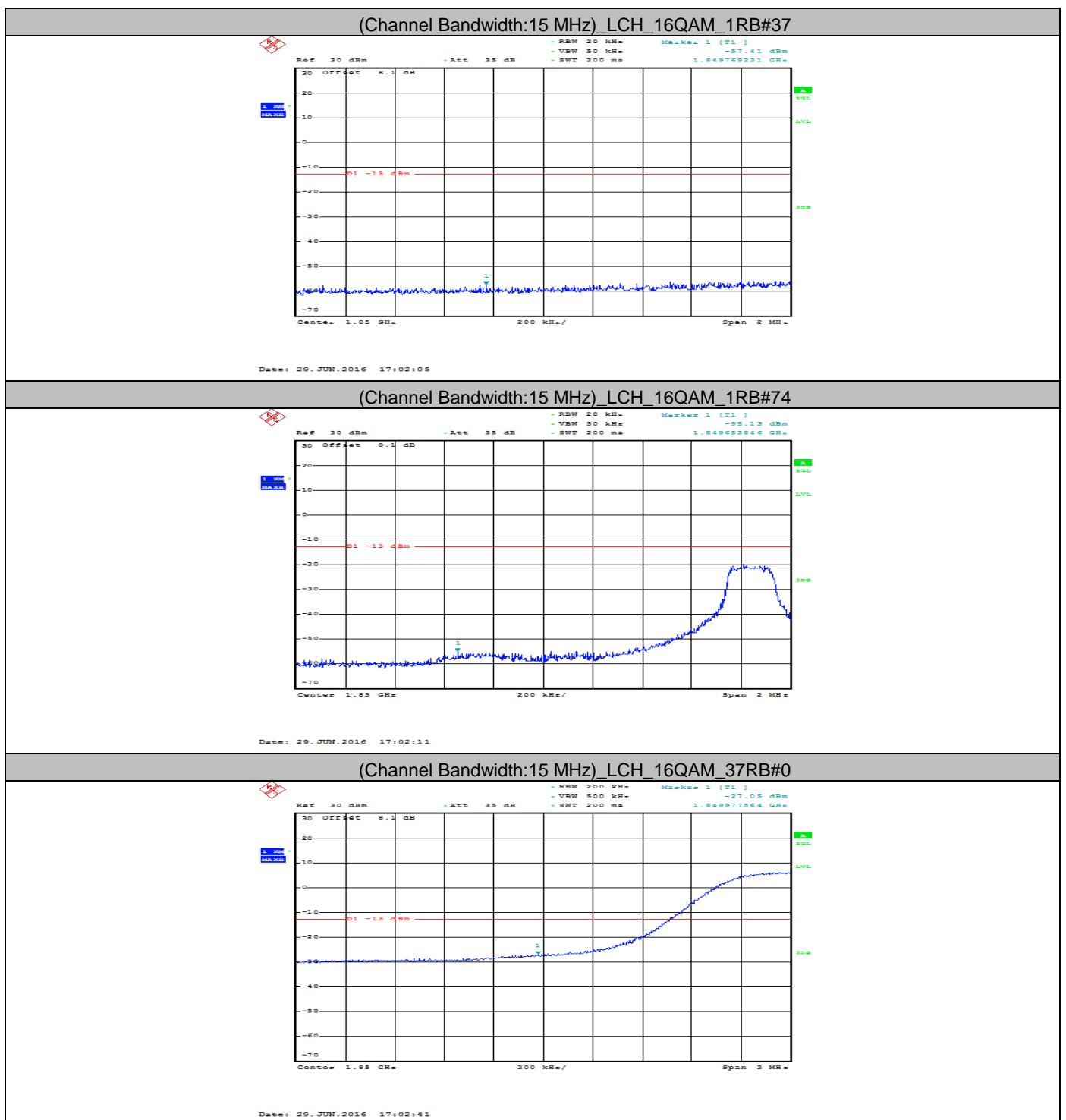


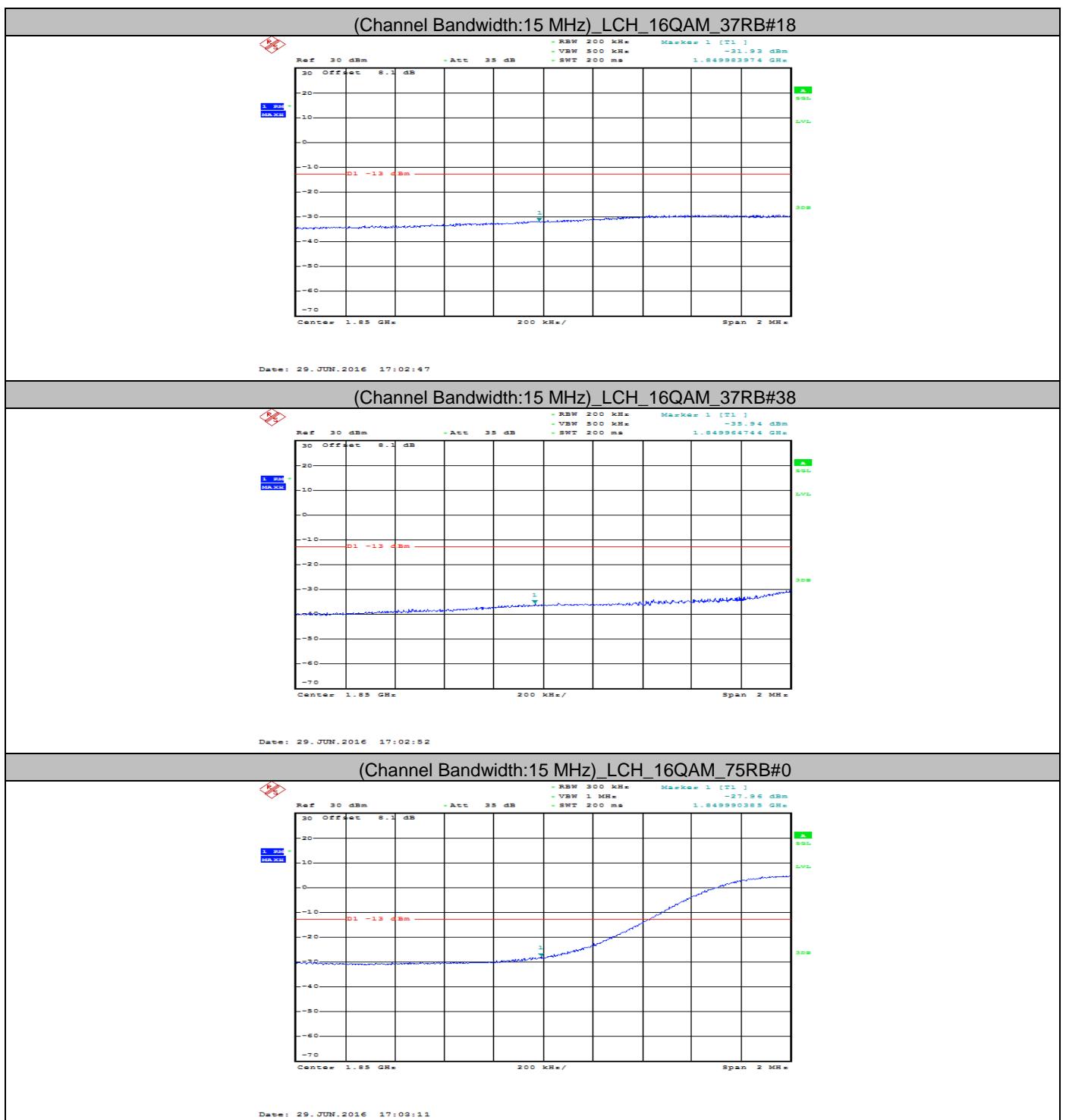


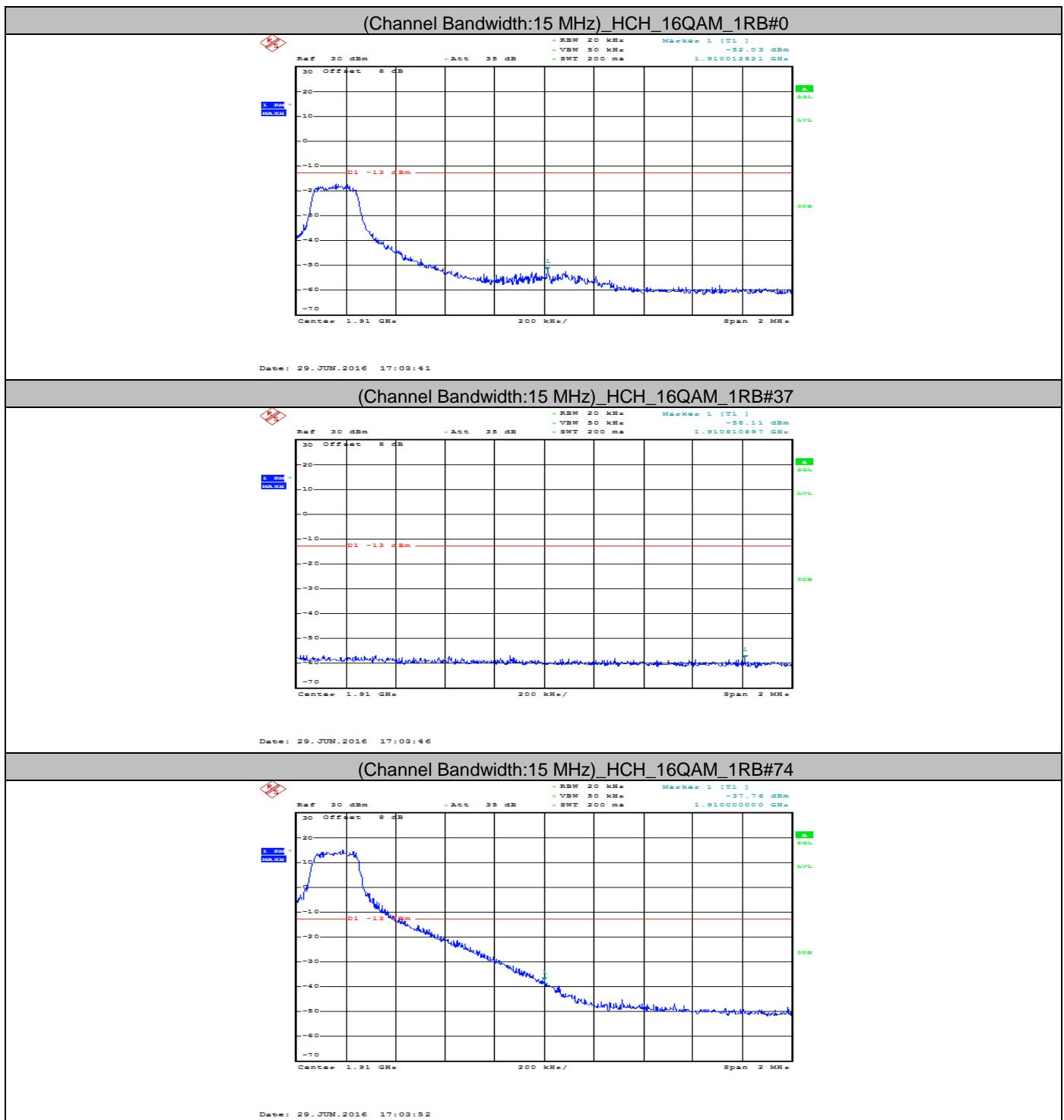




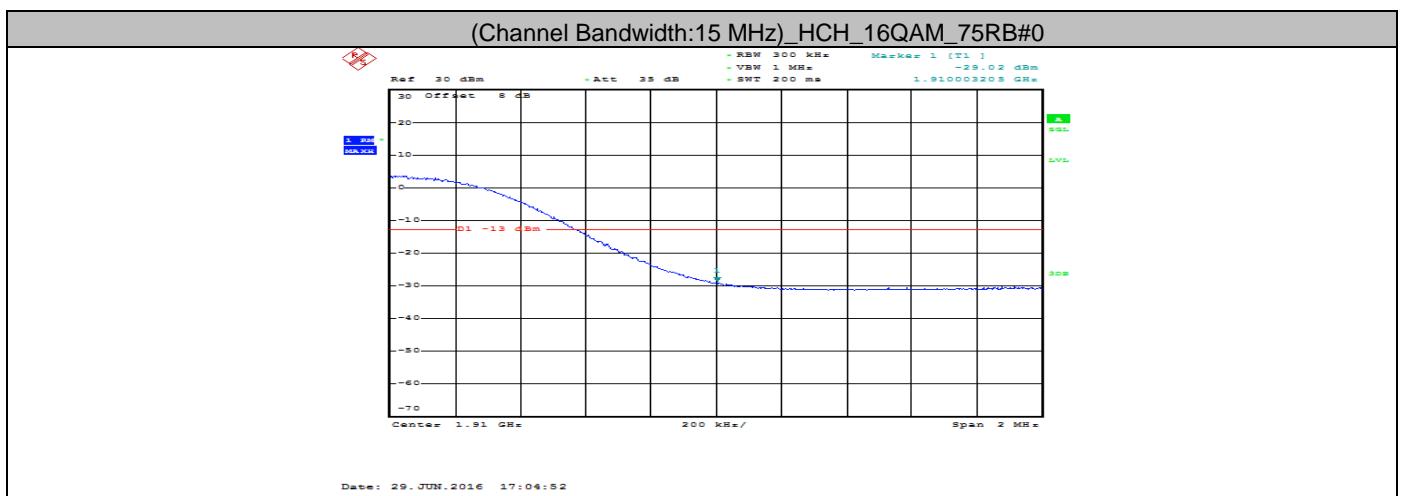




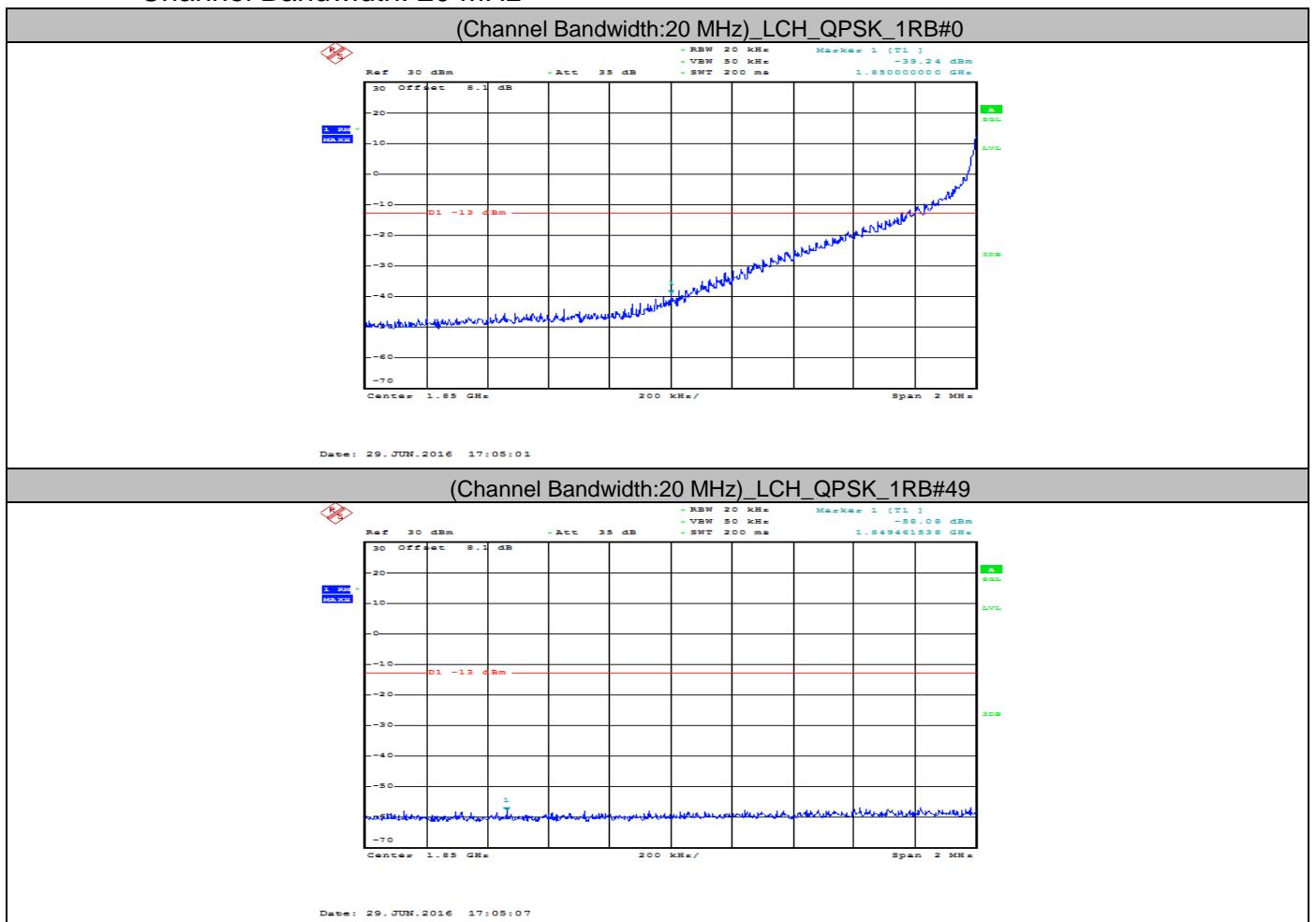


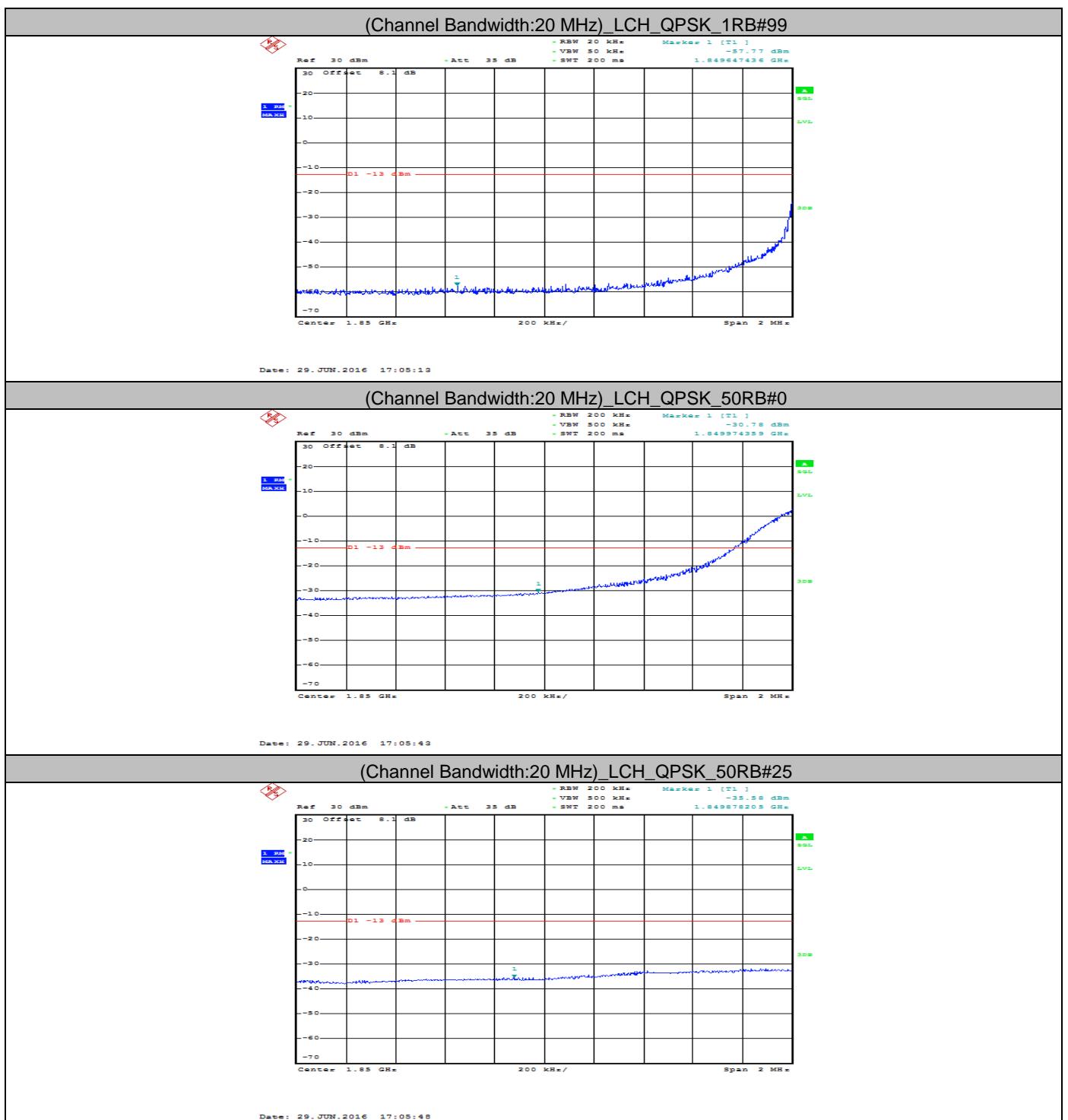


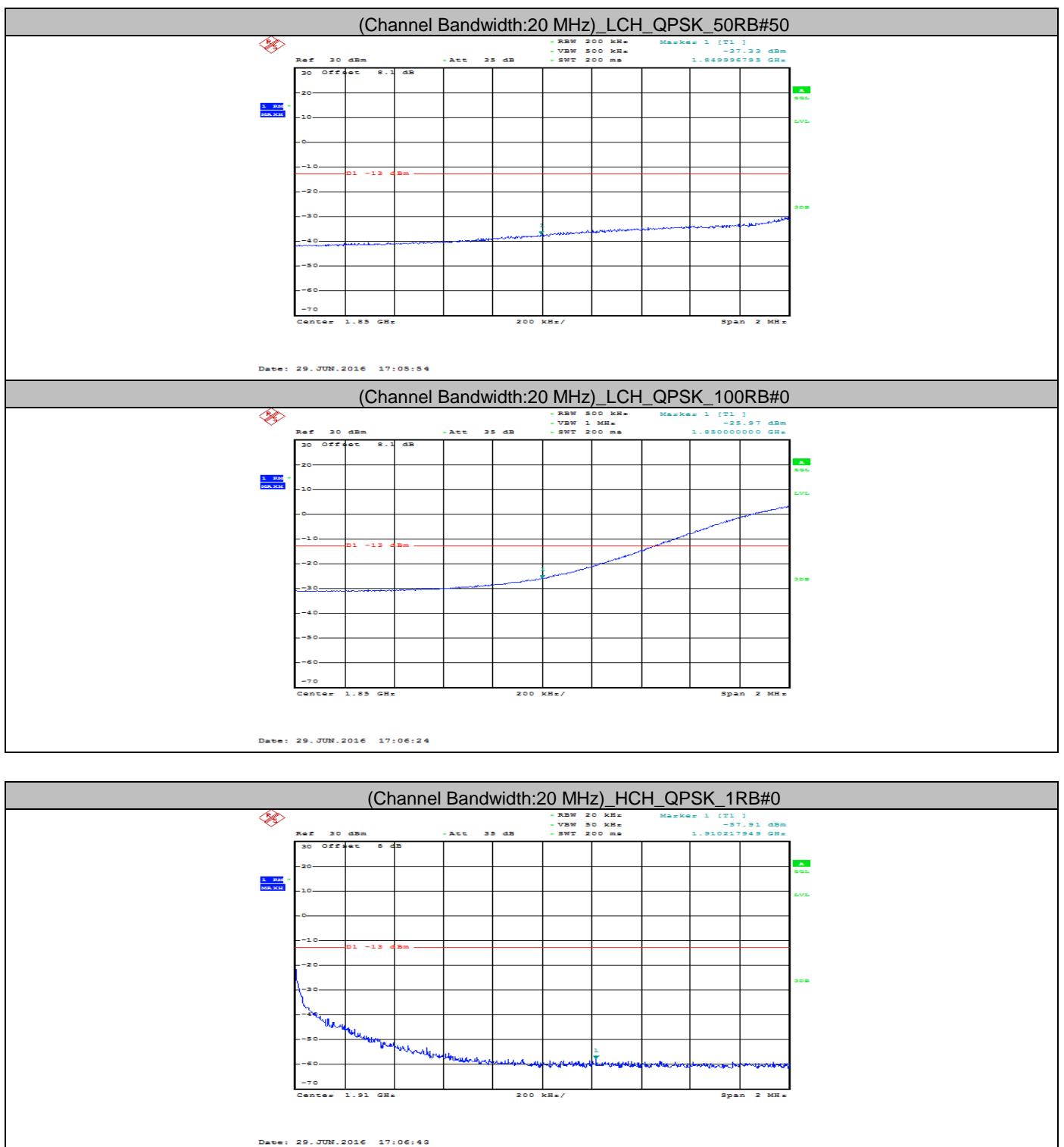


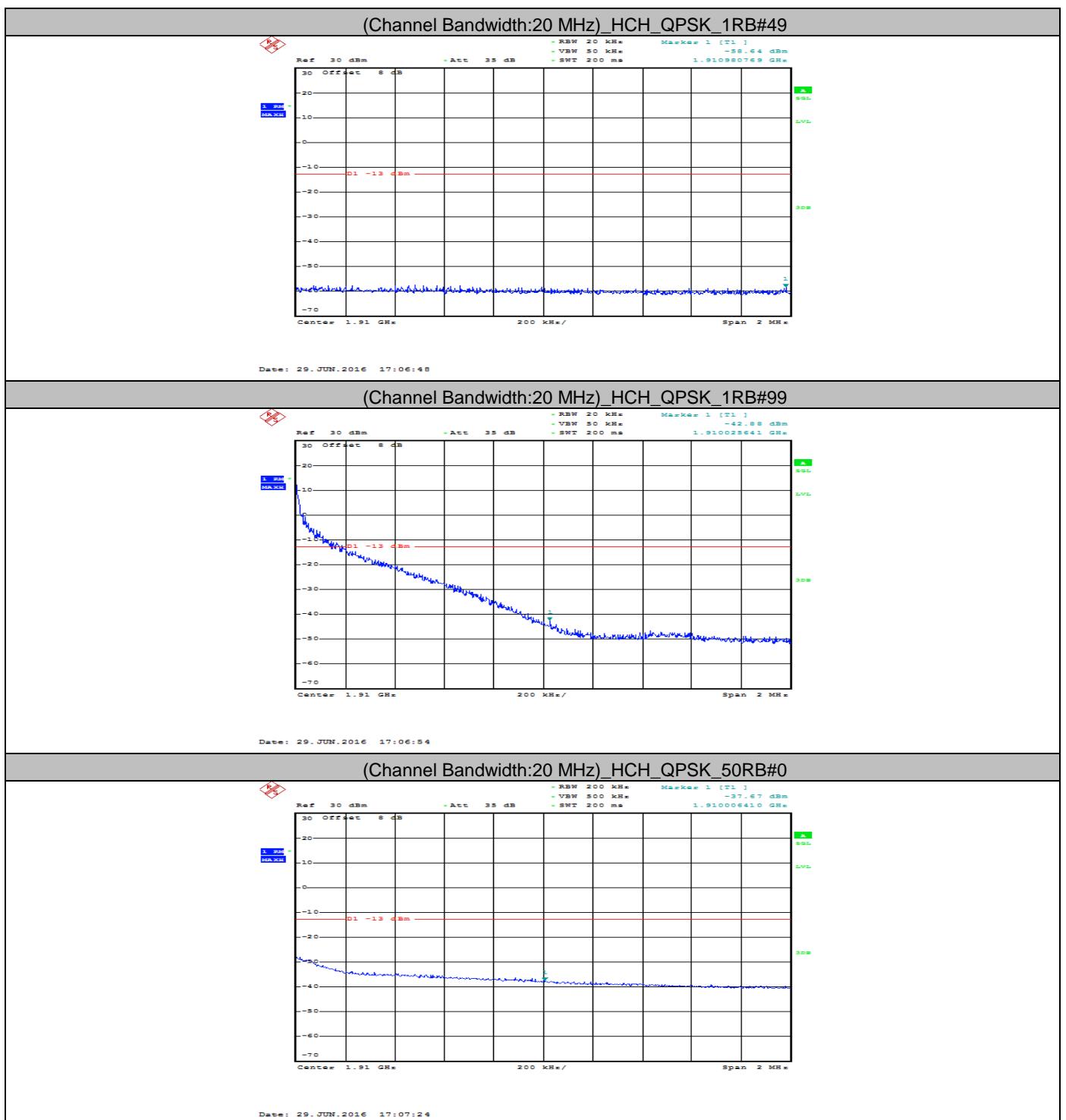


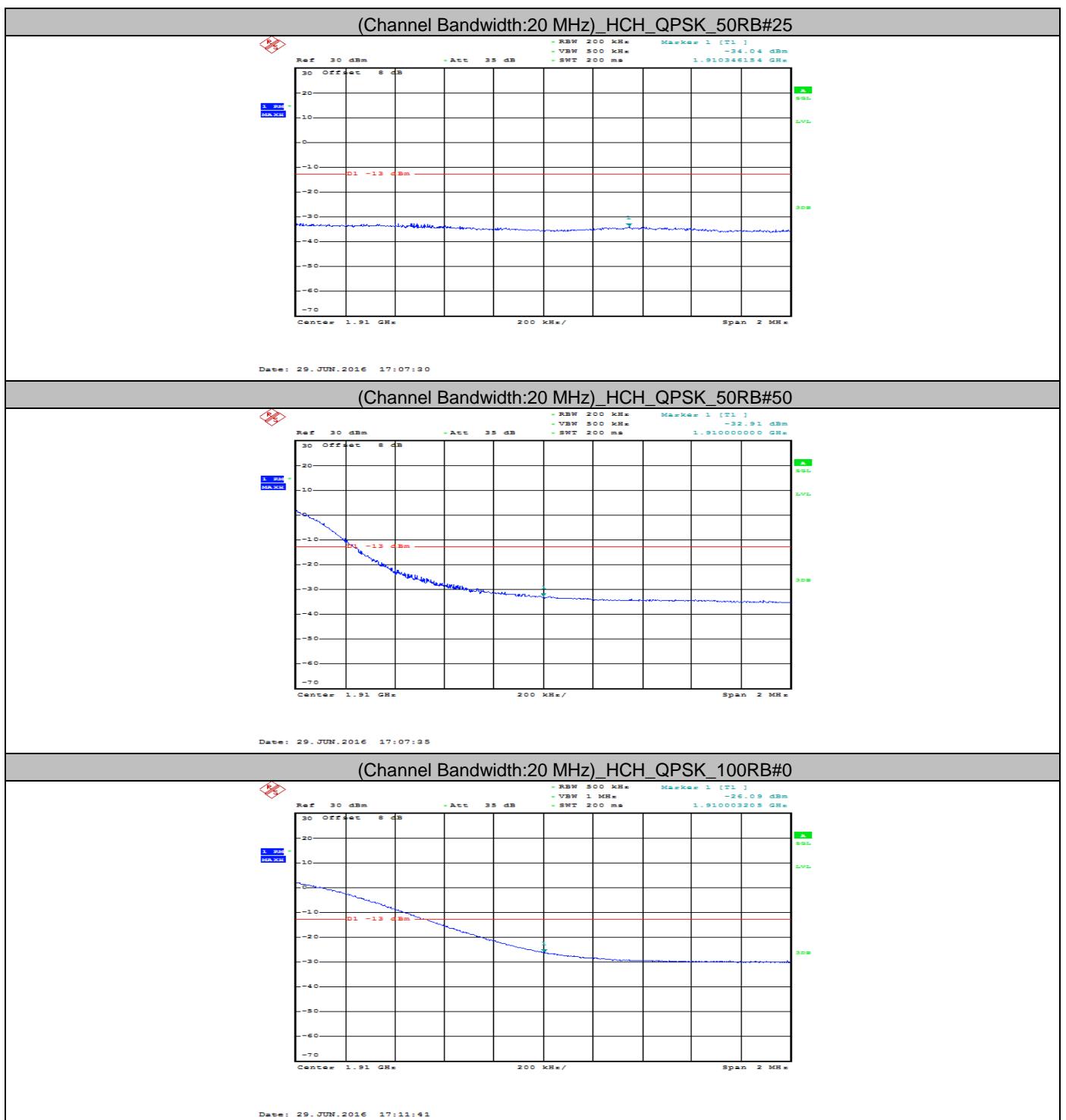
Band edge measurement
LTE Band 2
Channel Bandwidth: 20 MHz

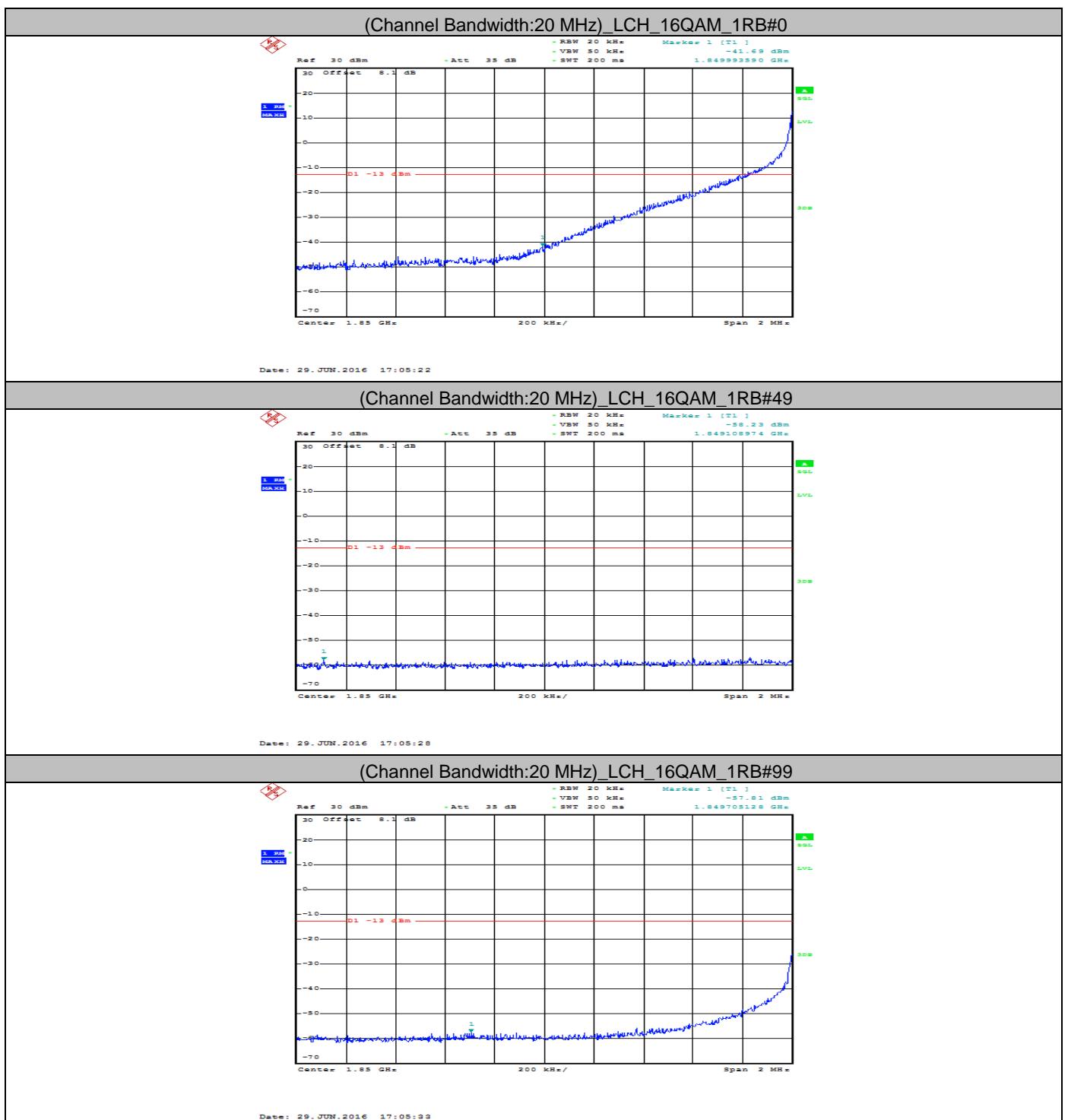


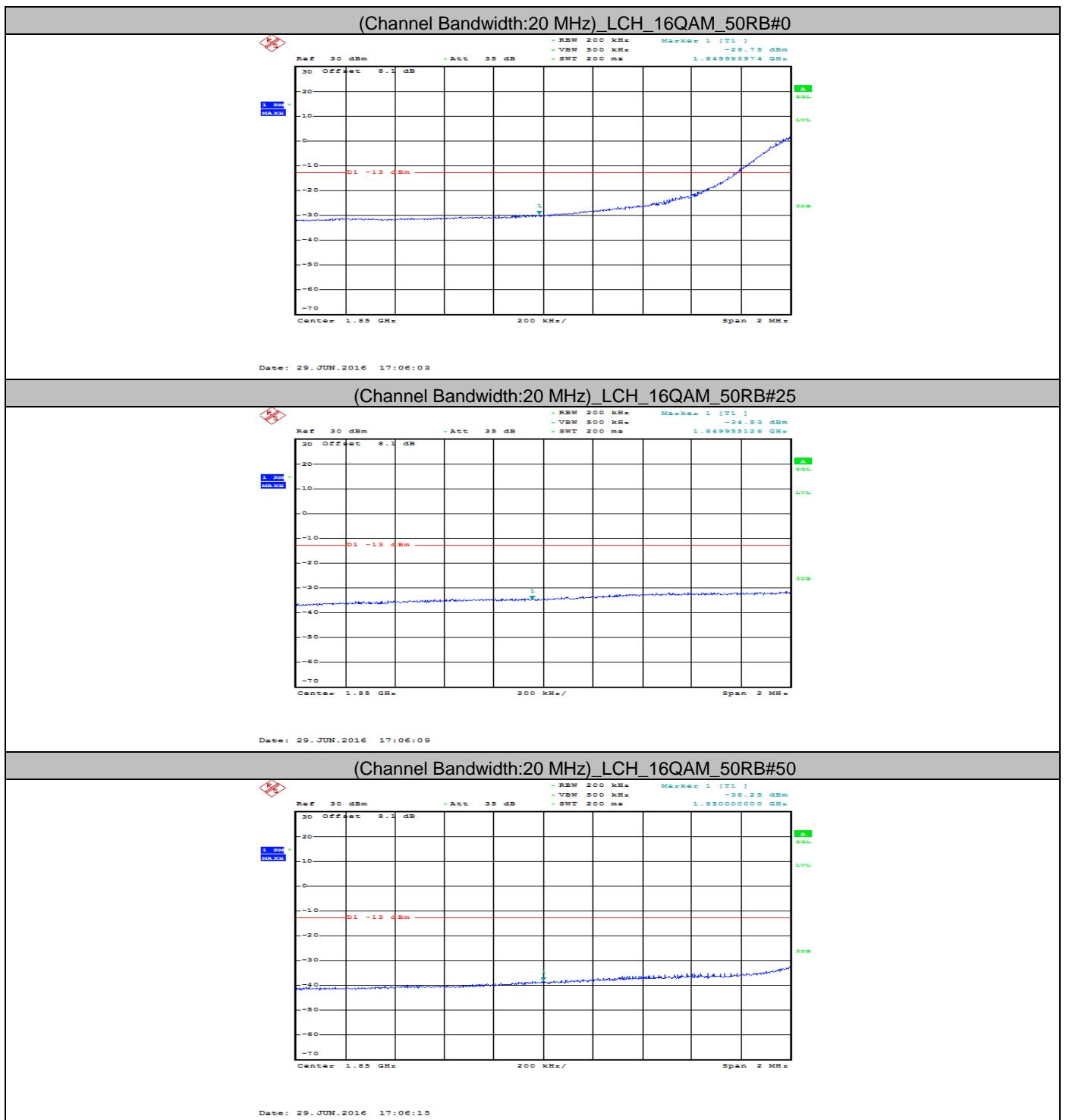


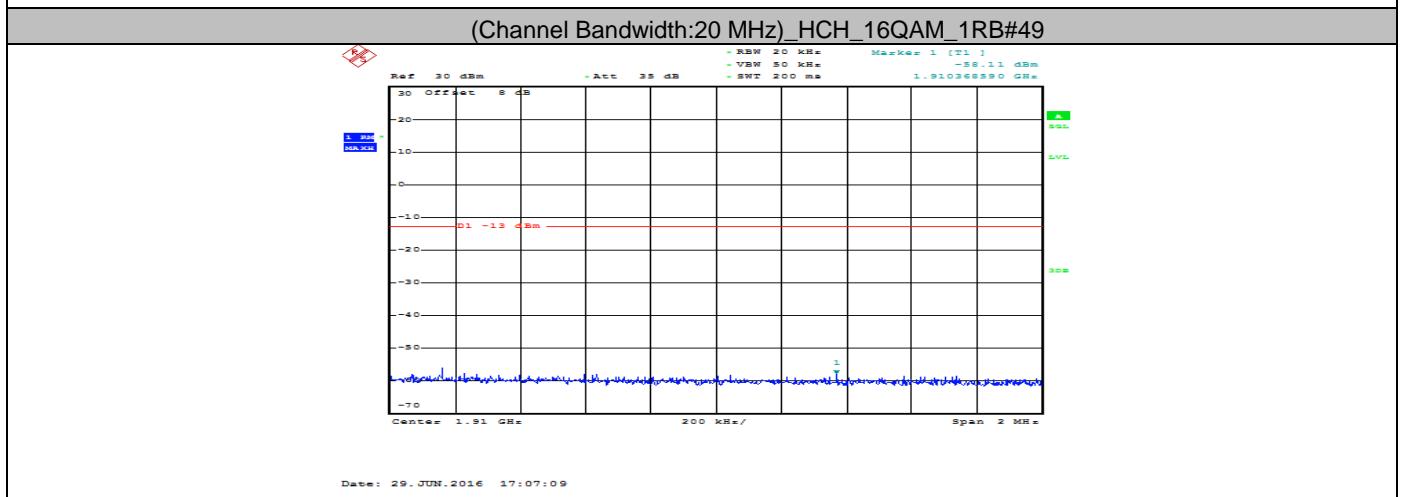
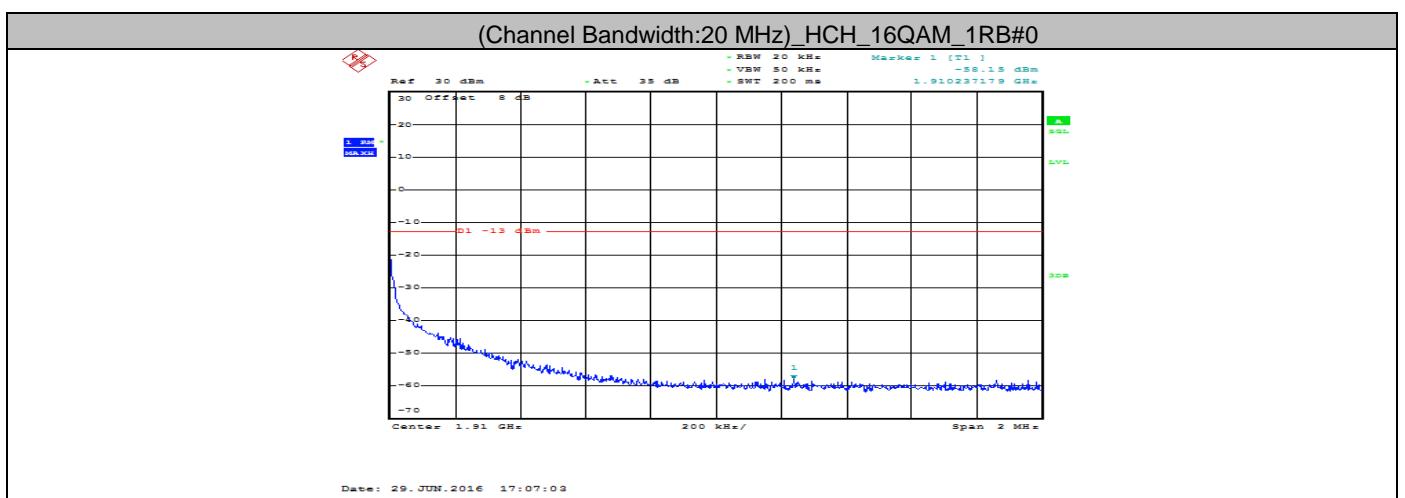
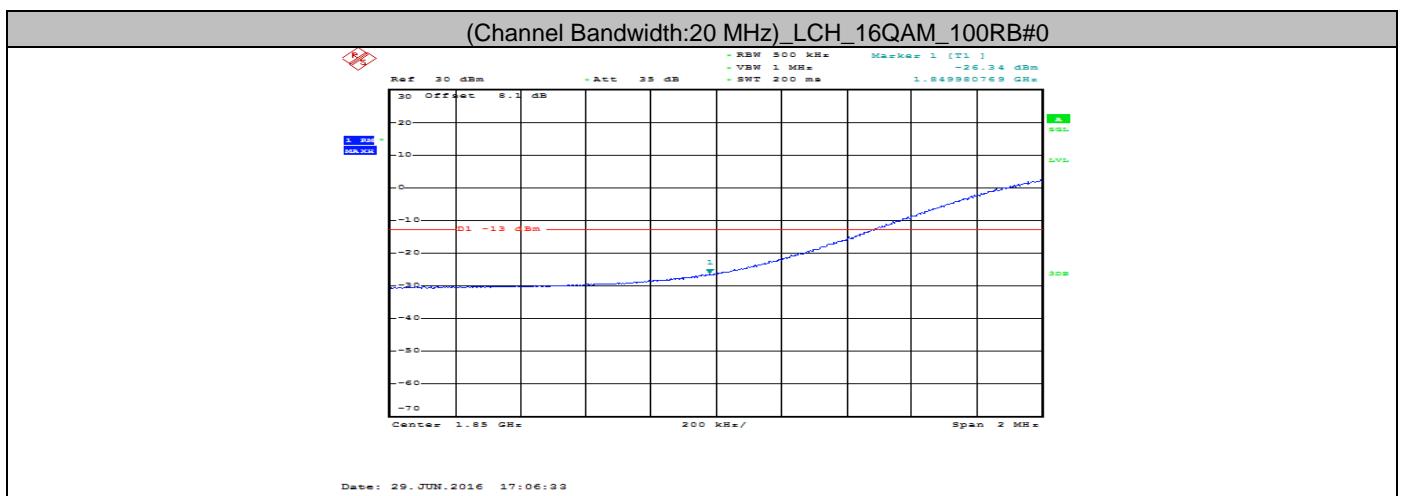


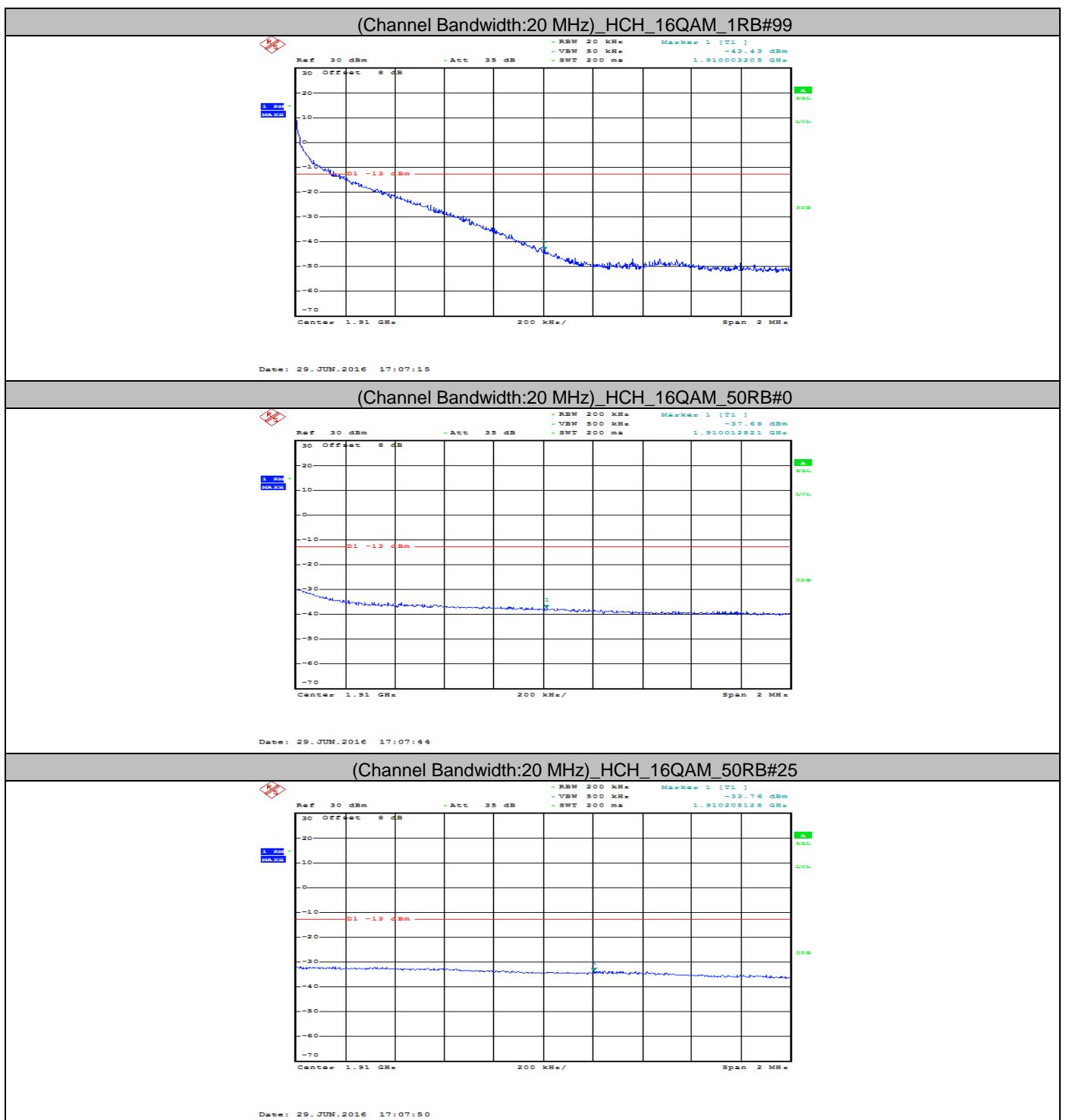


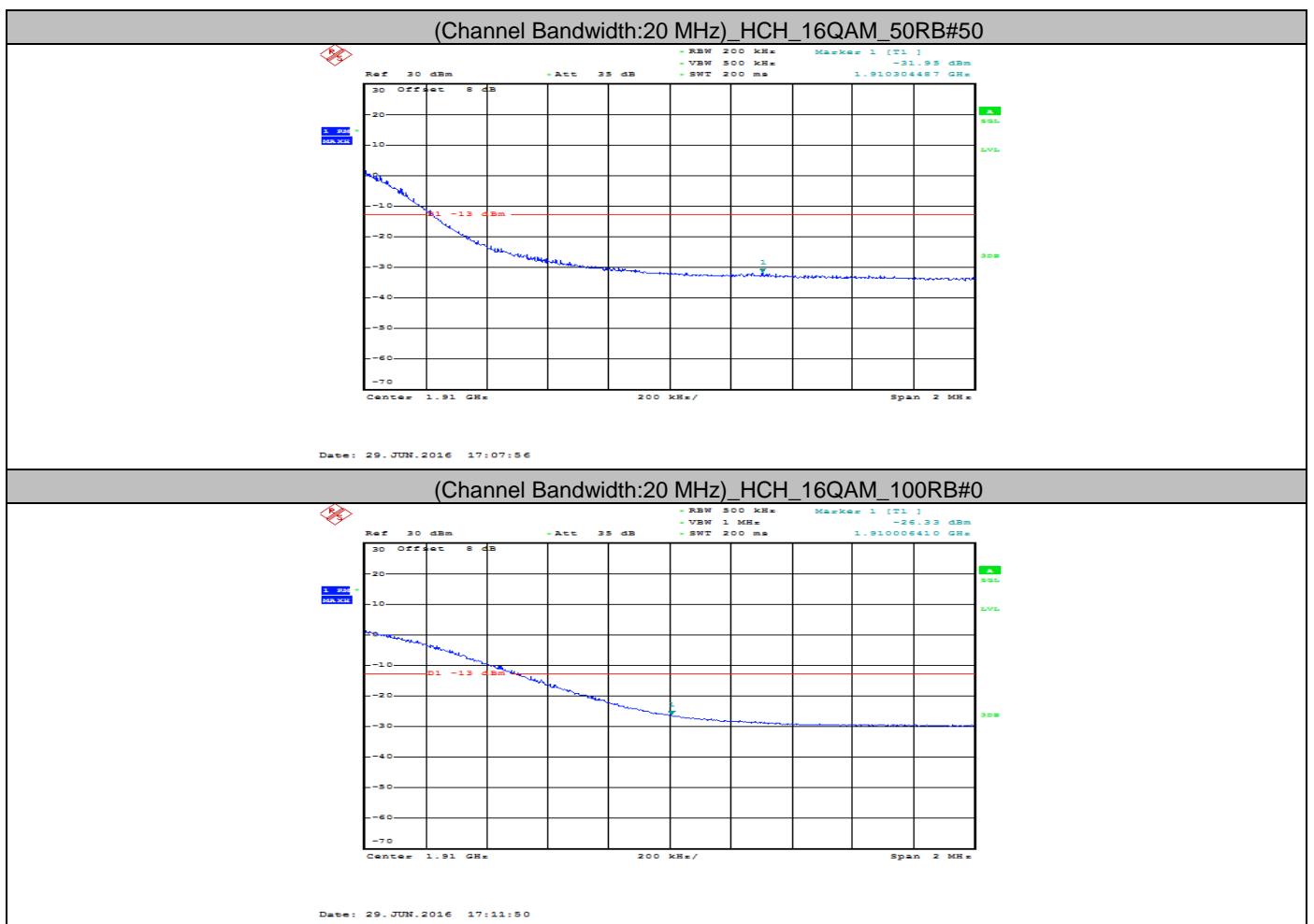




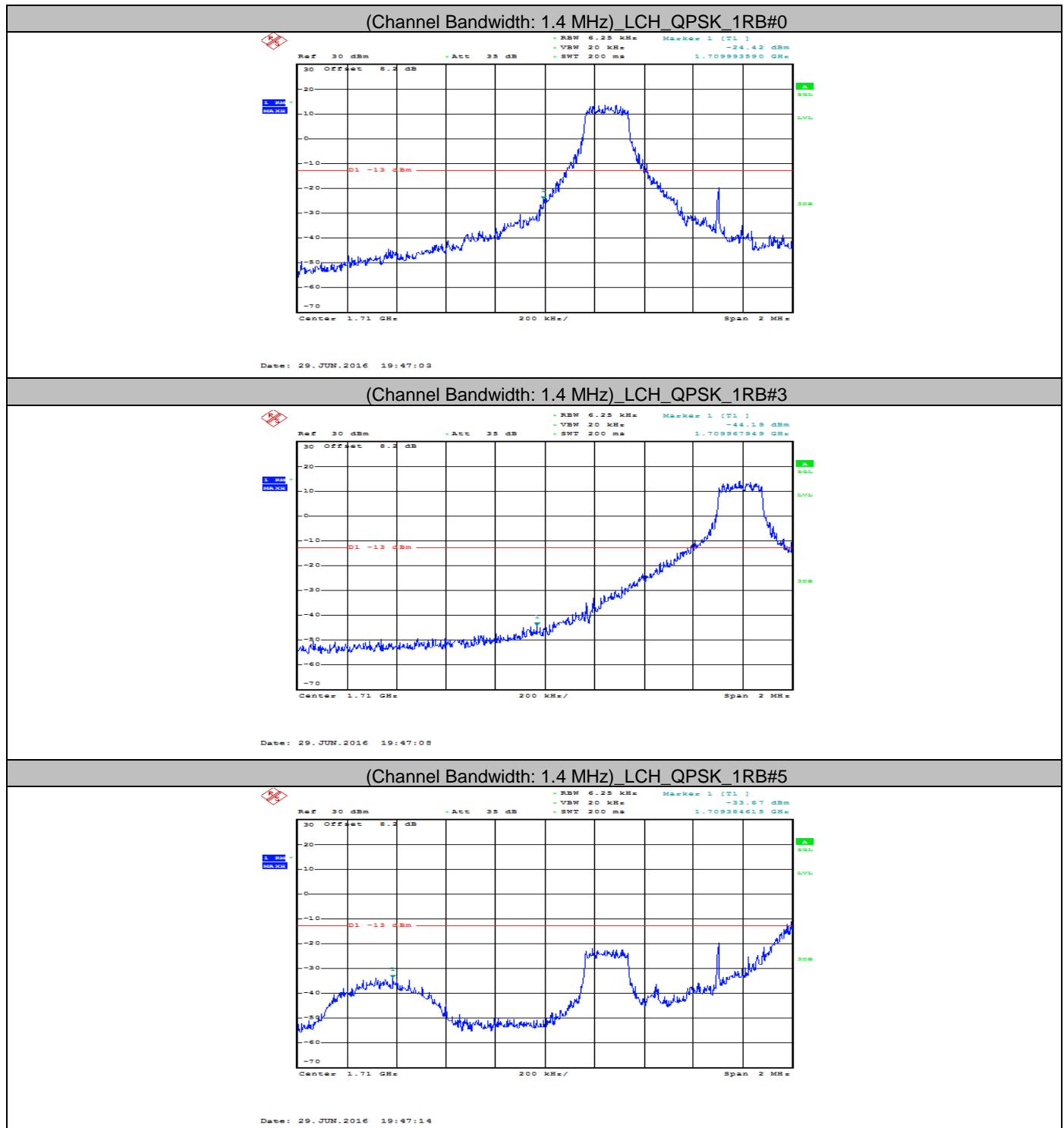


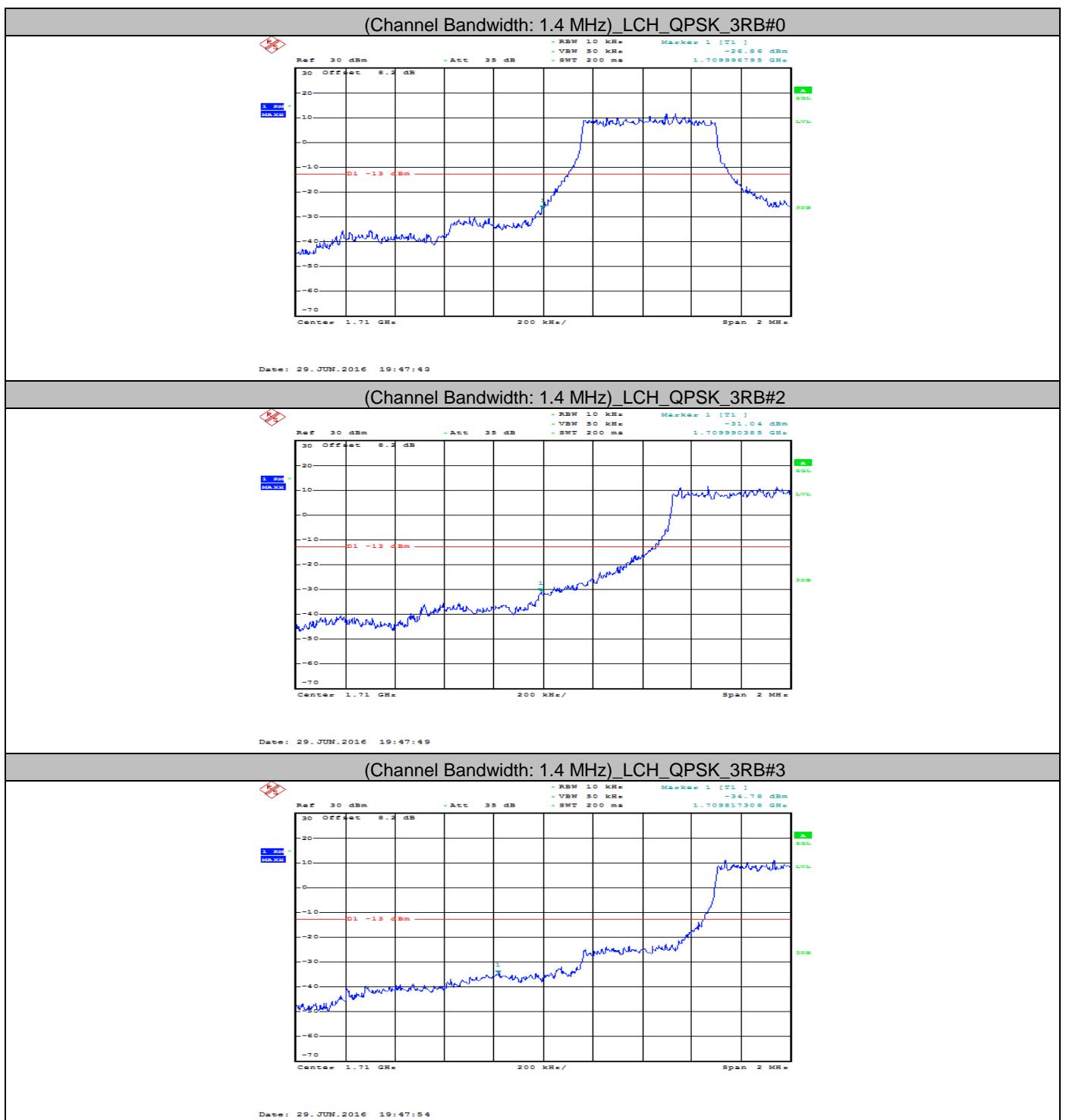


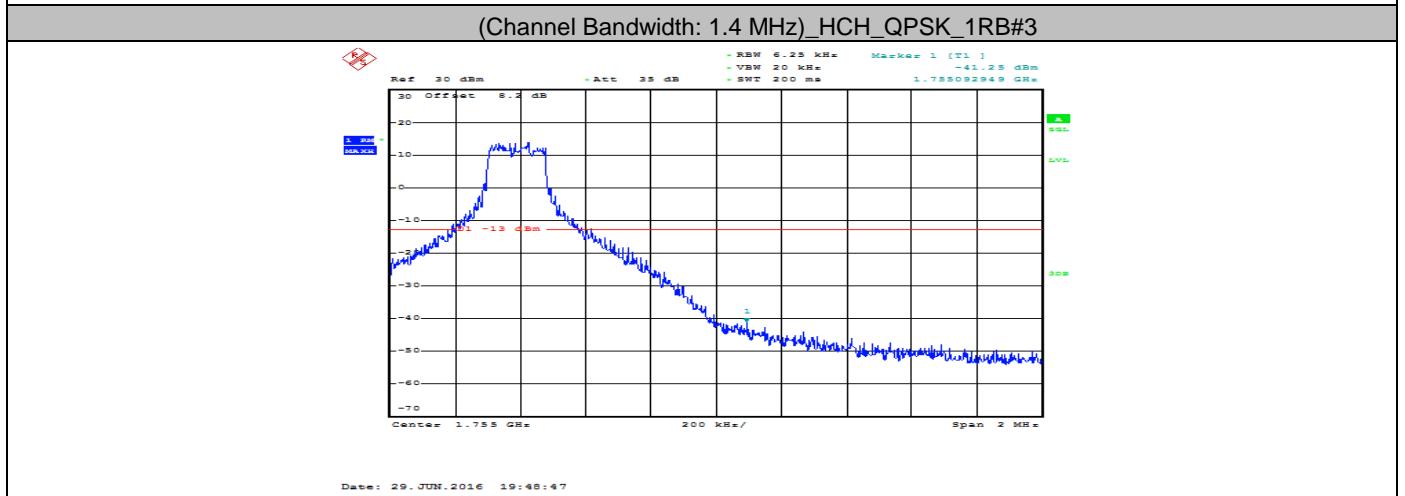
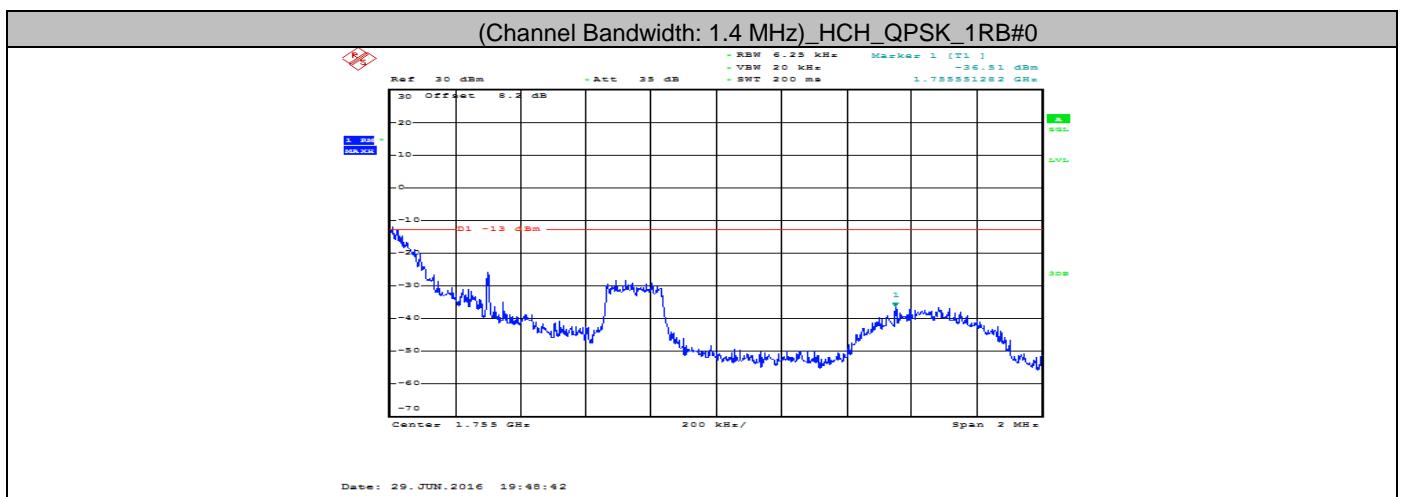
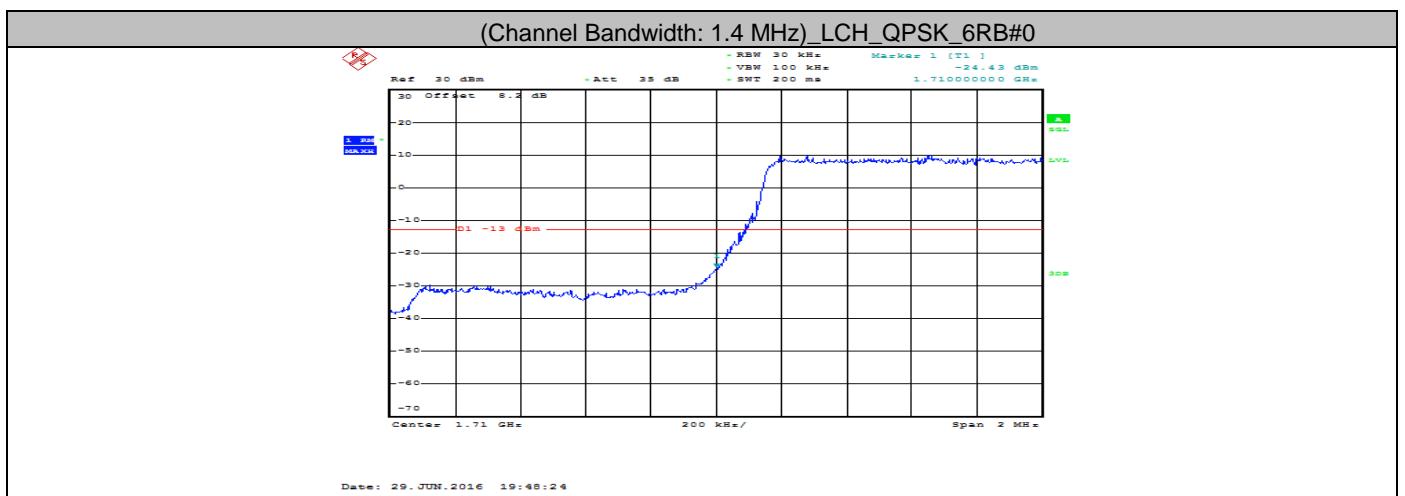


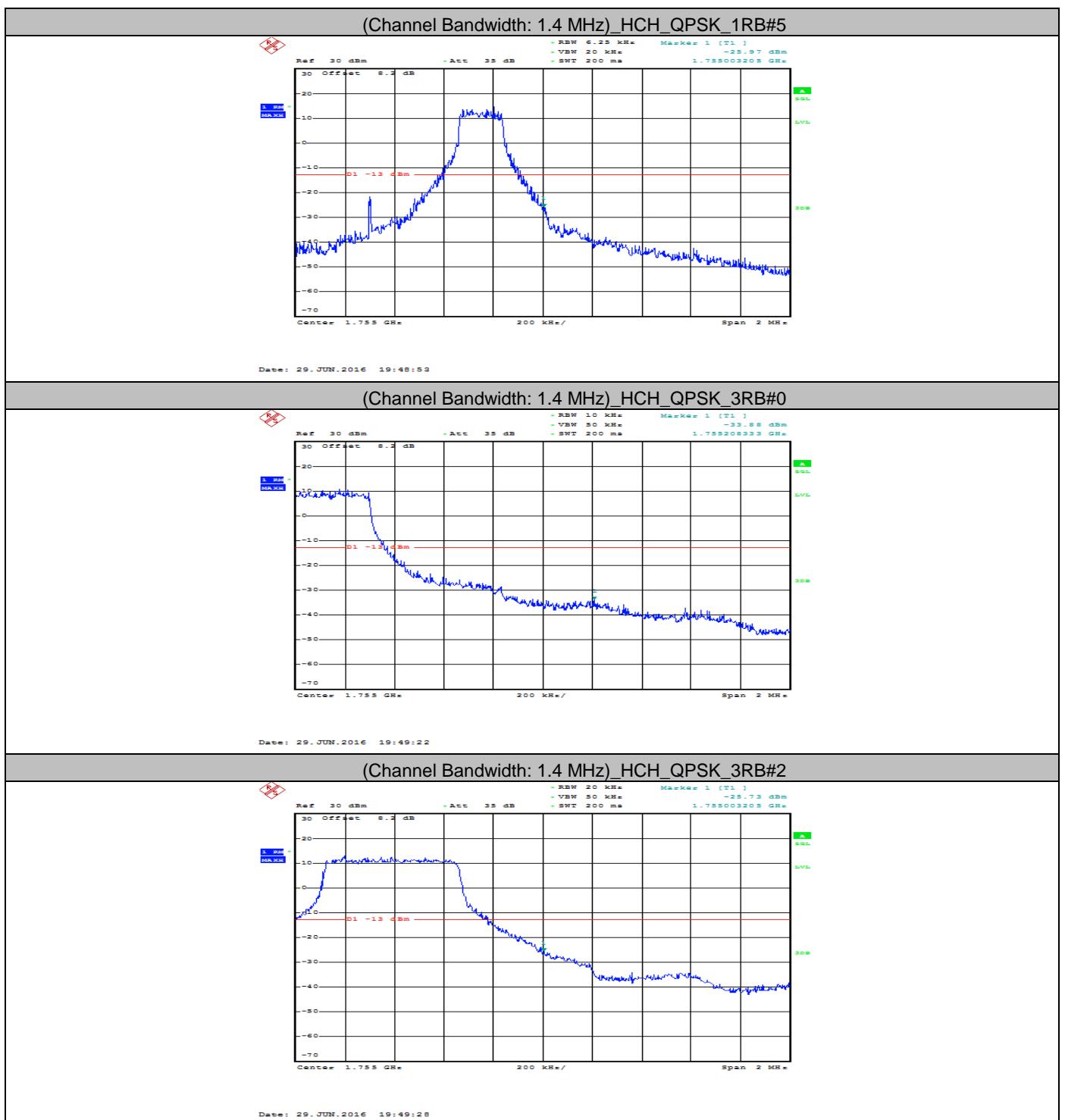


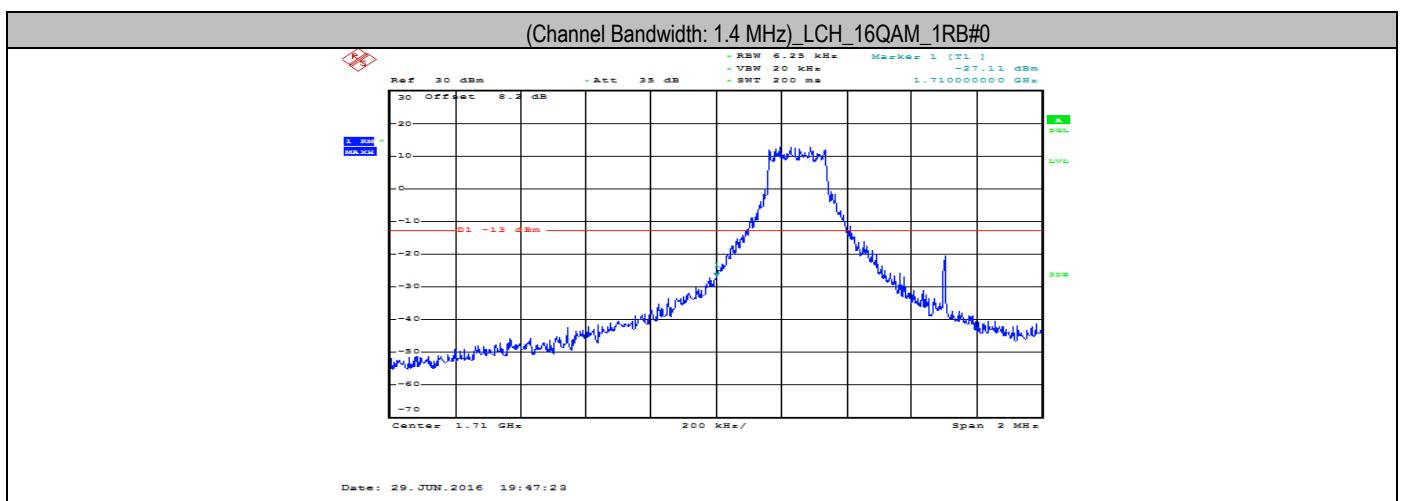
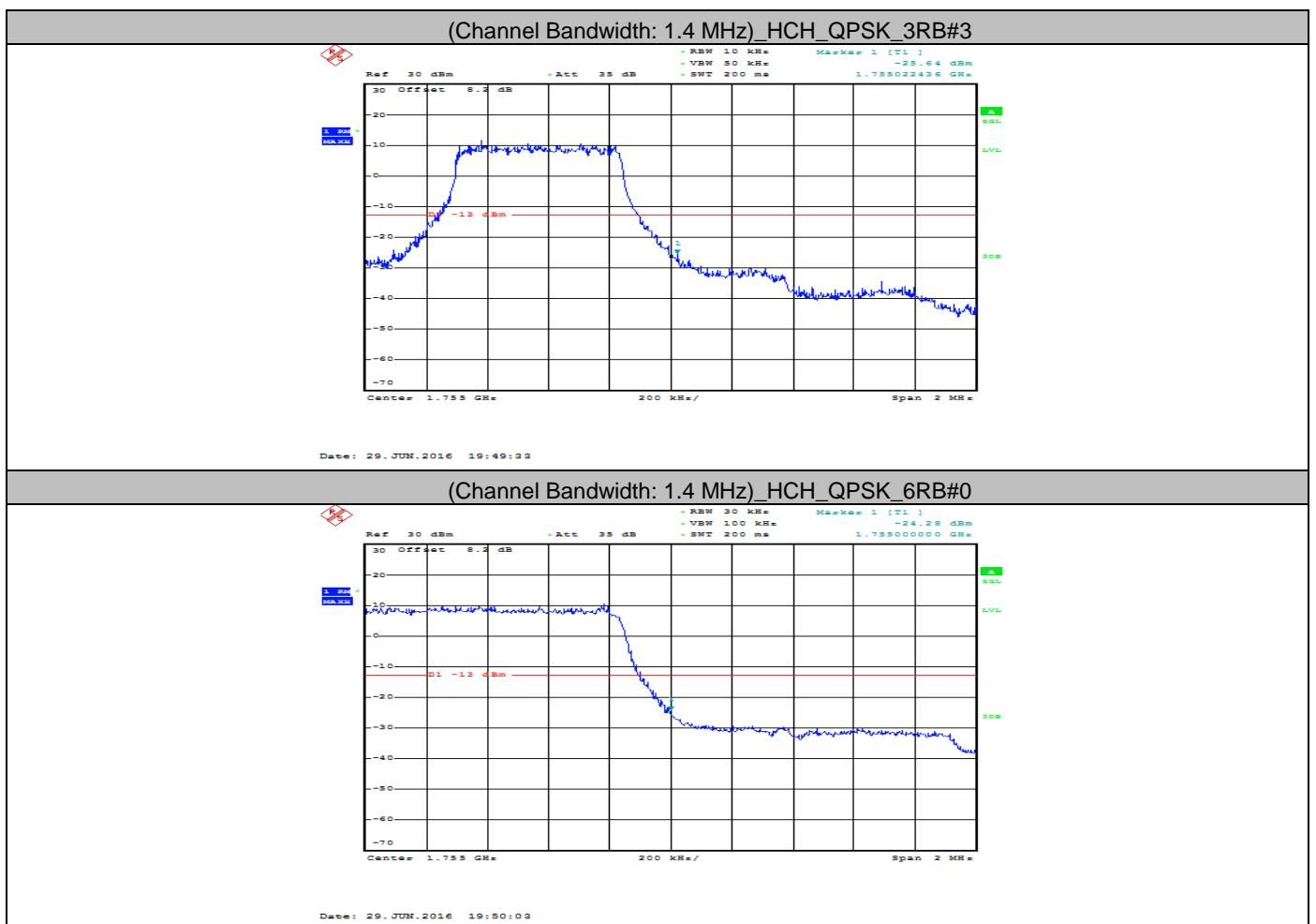
Band edge measurement
 LTE Band 4
 Channel Bandwidth: 1.4 MHz

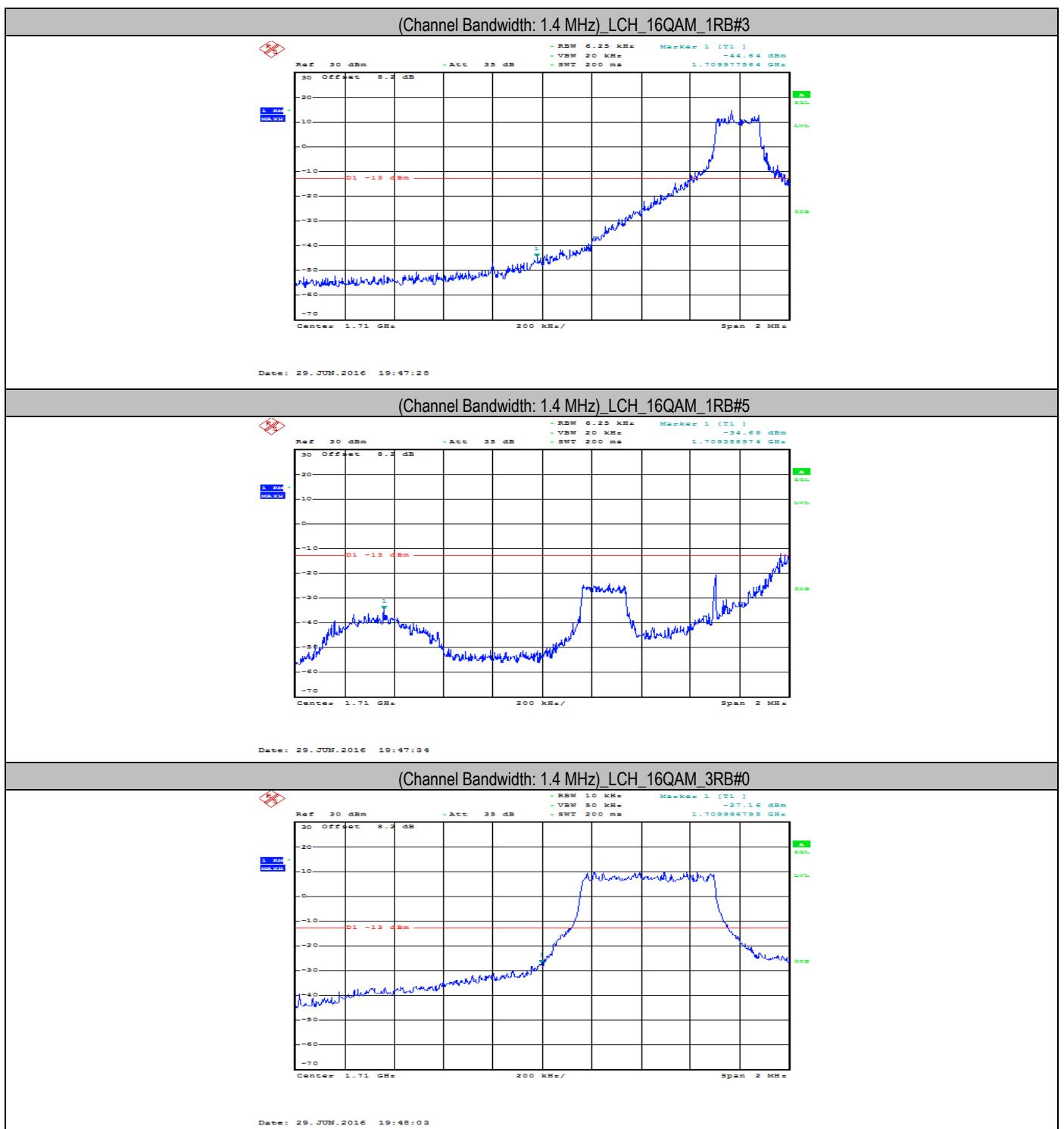


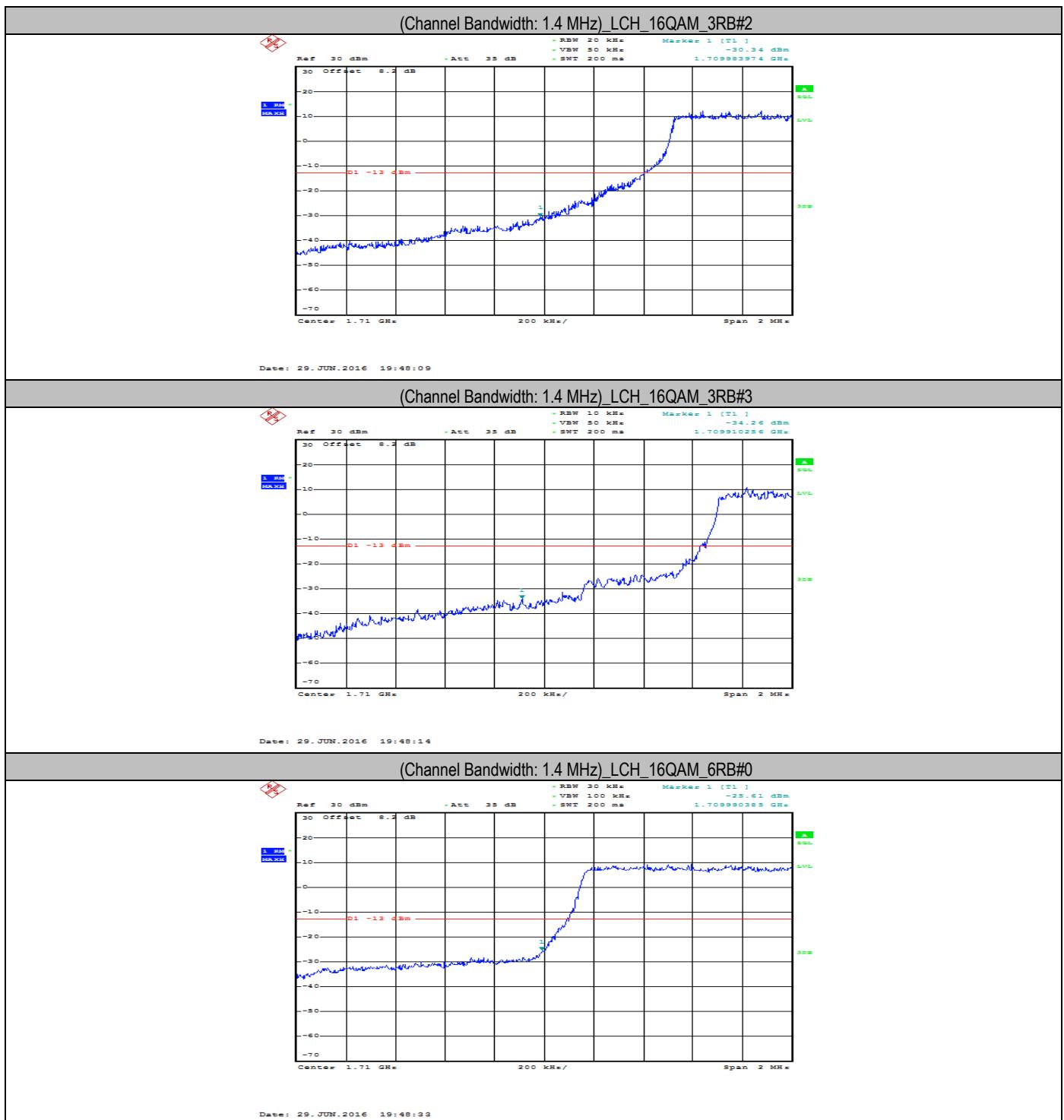


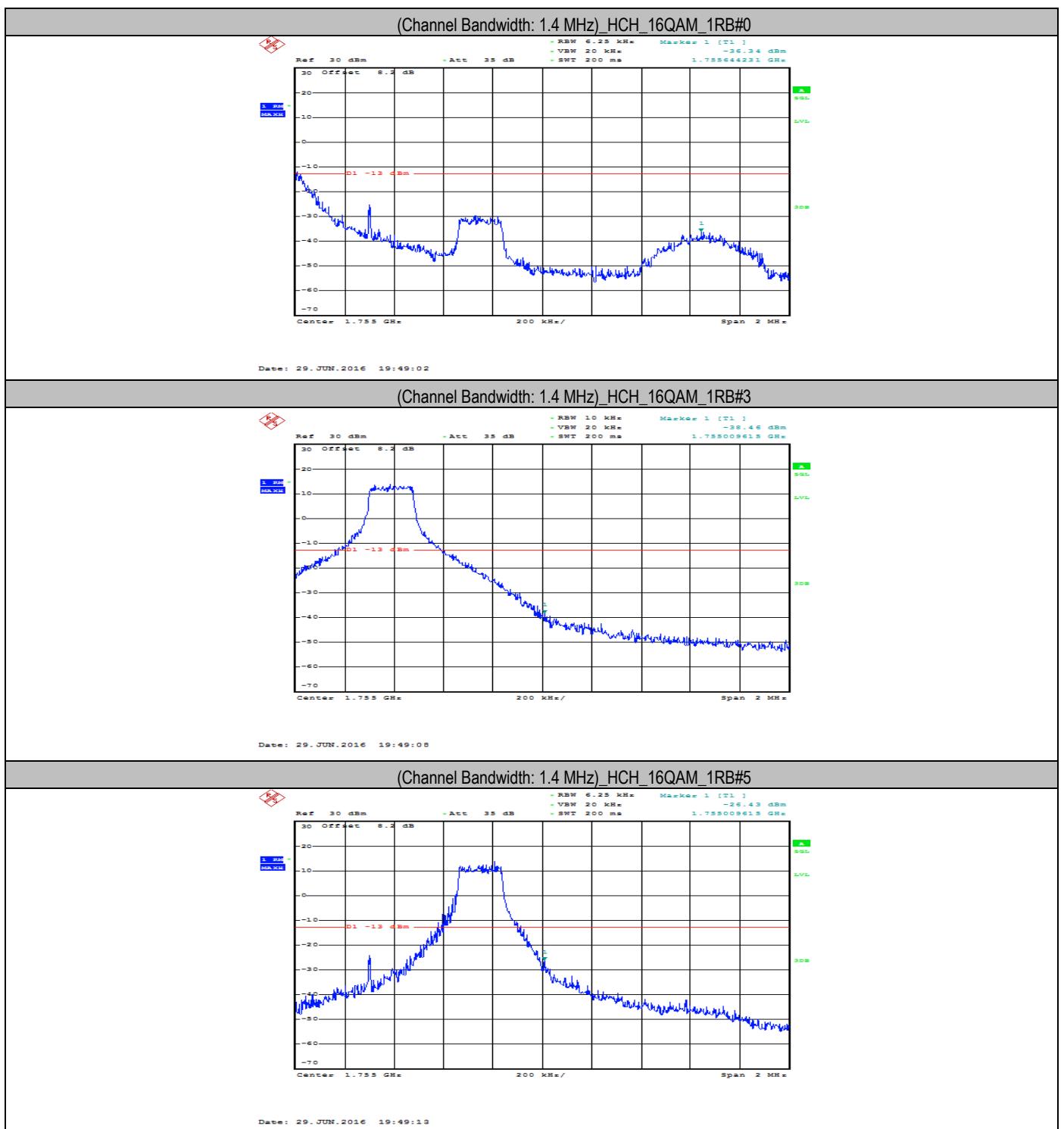


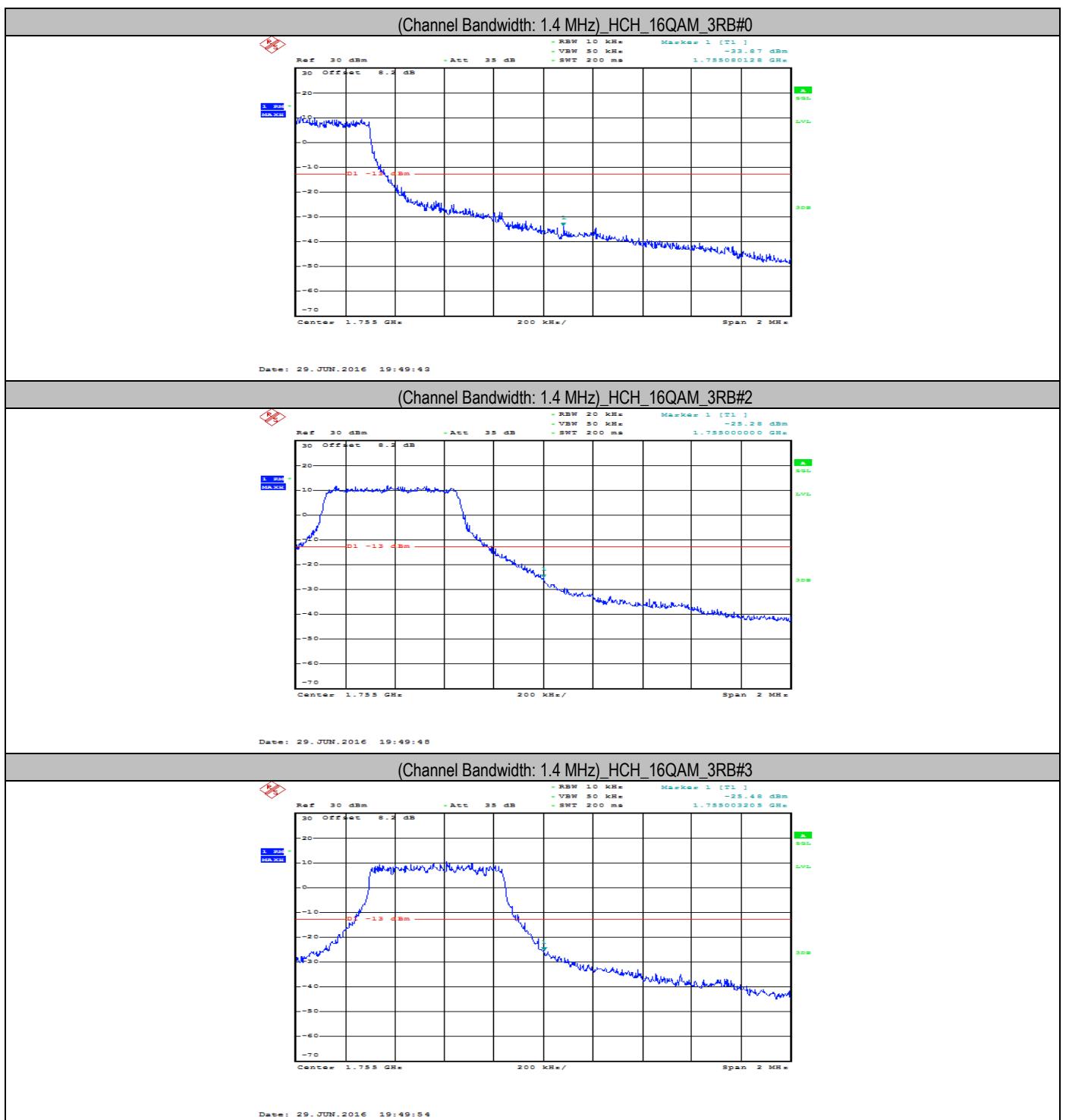


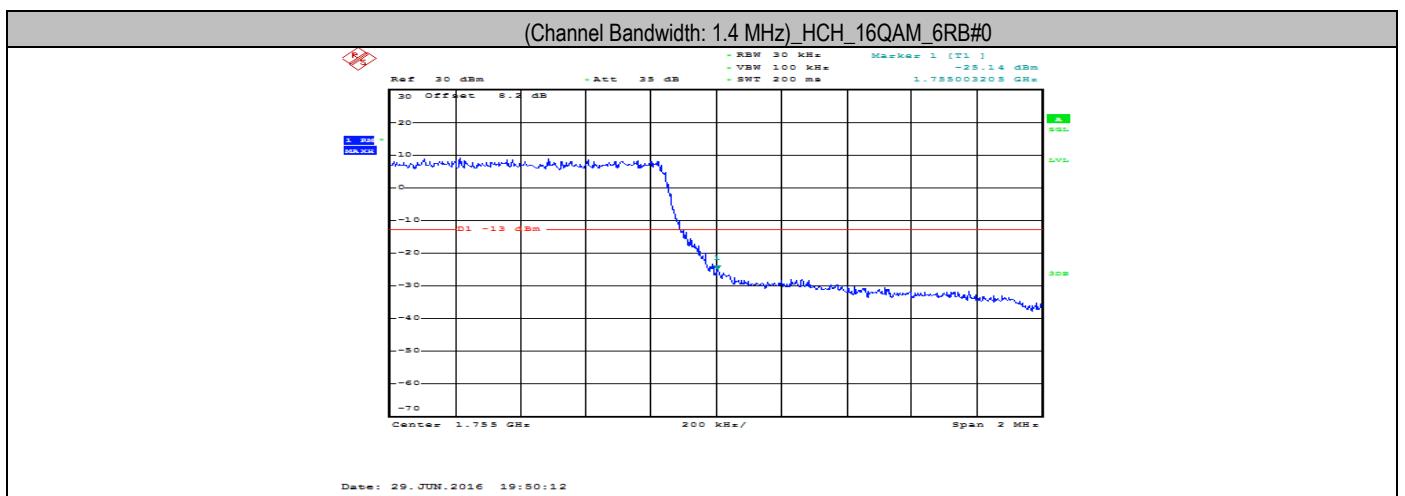




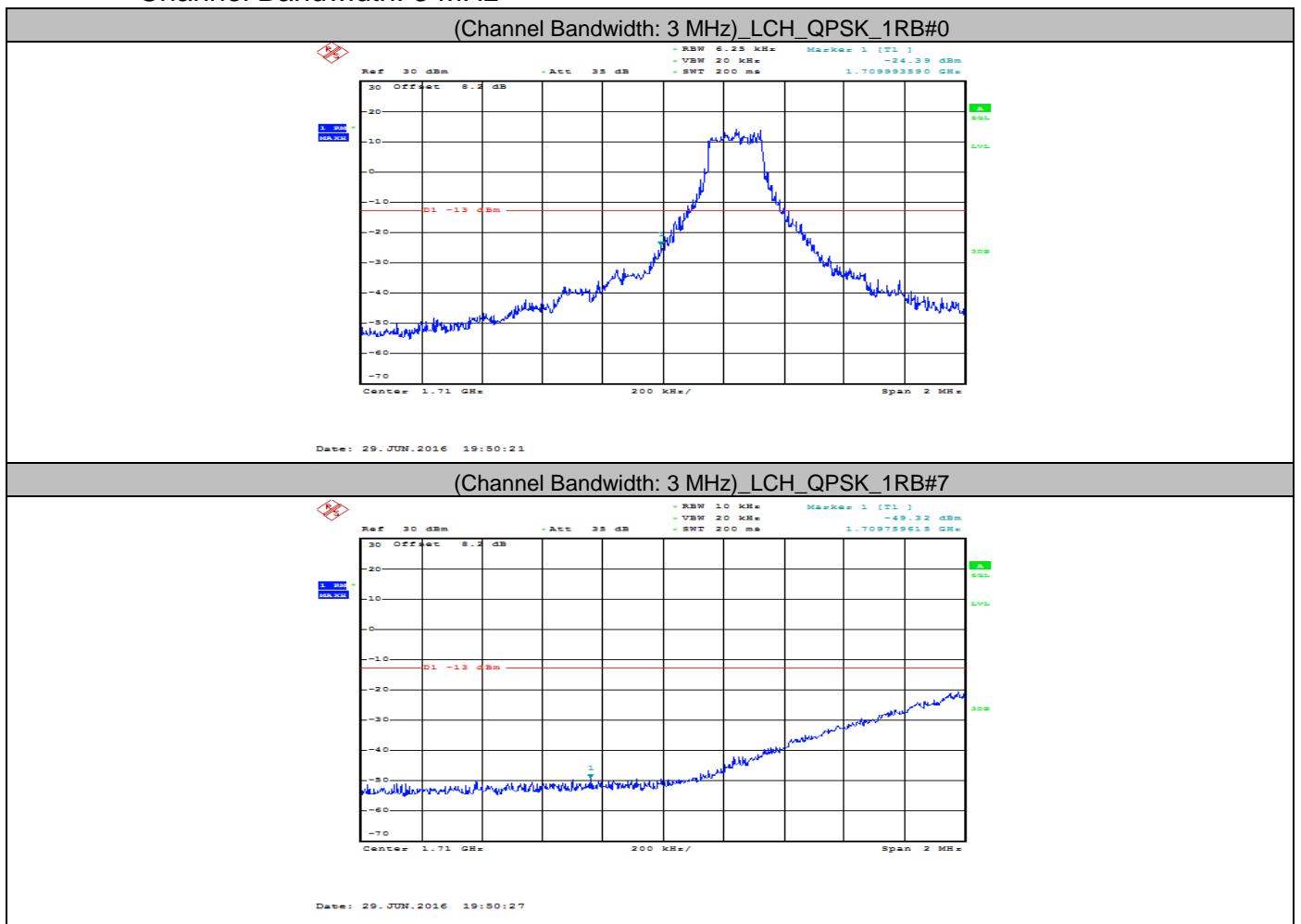


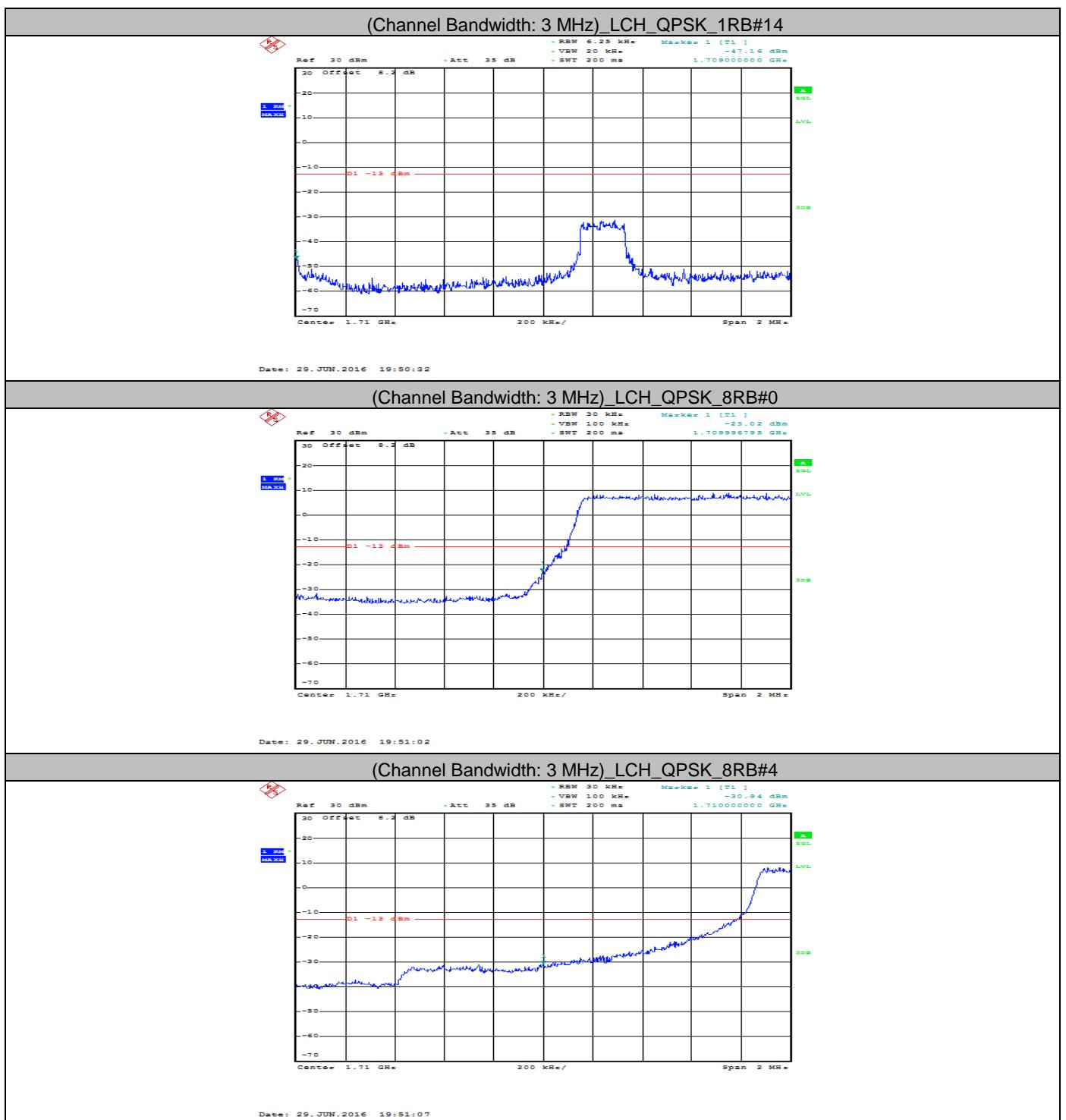


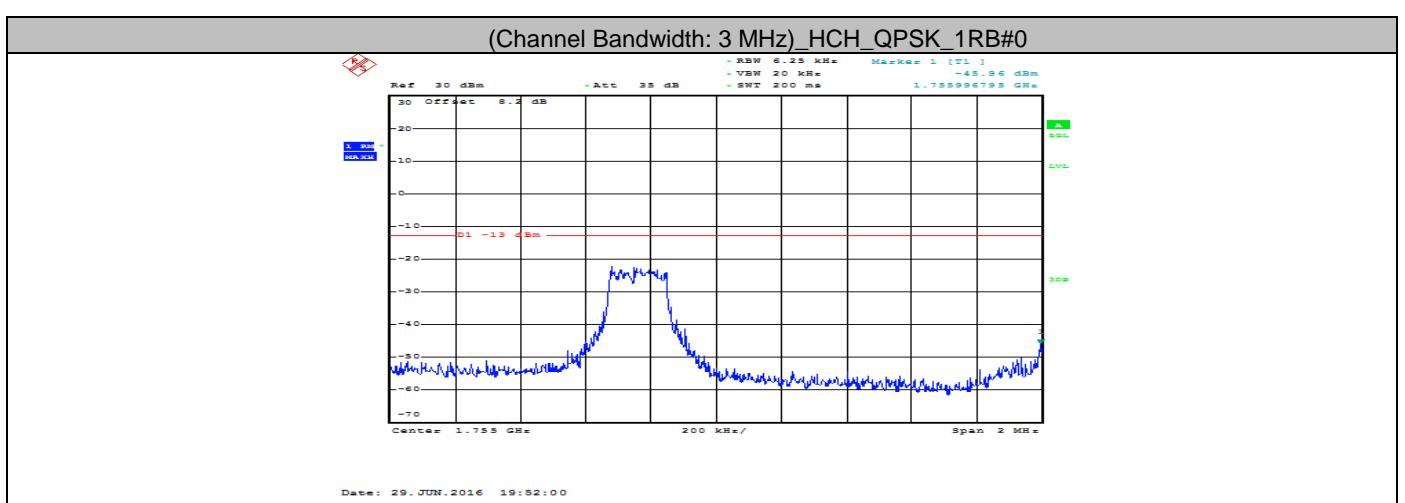
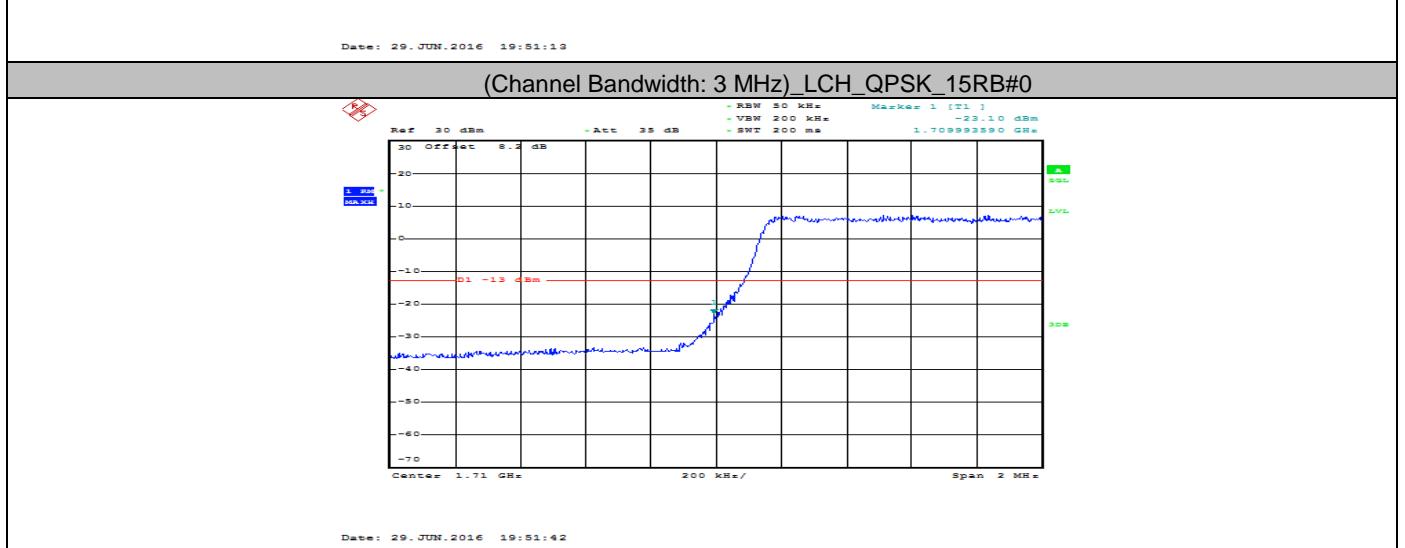
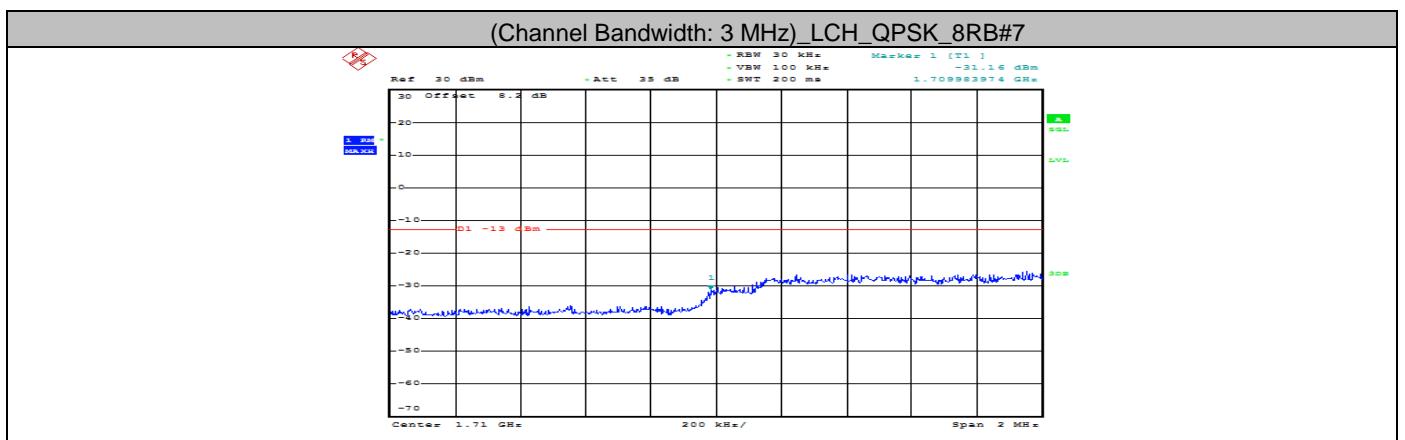




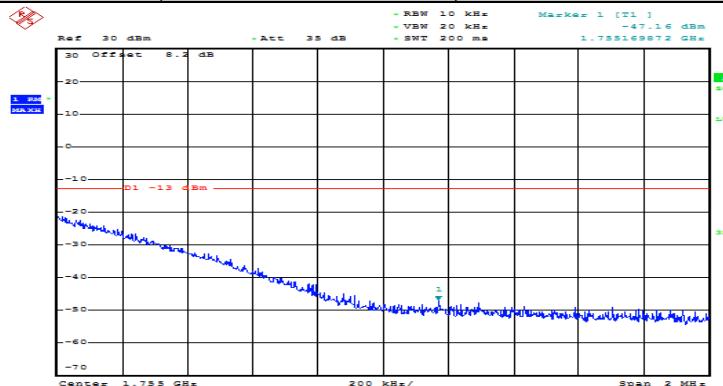
Band edge measurement
LTE Band 4
Channel Bandwidth: 3 MHz





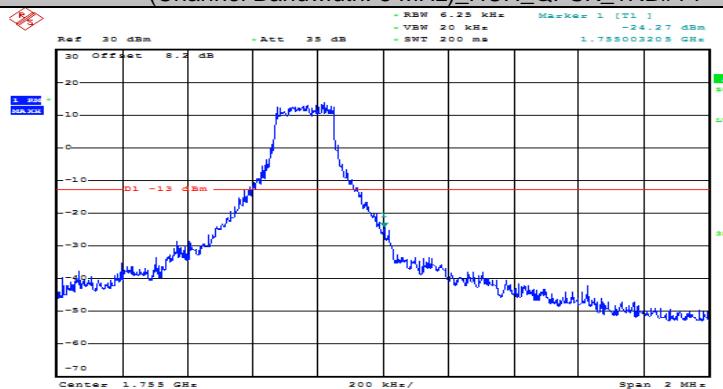


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



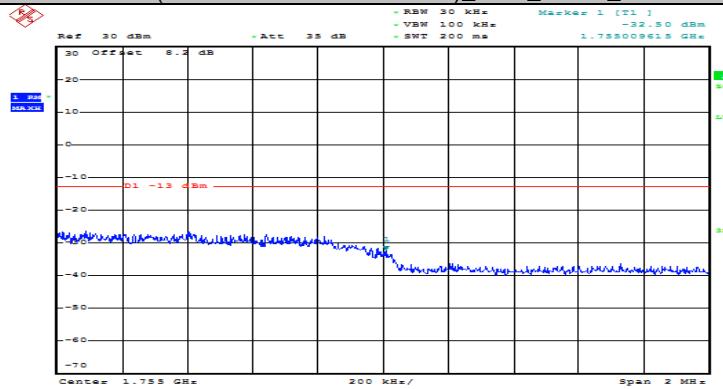
Date: 29.JUN.2016 19:52:06

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

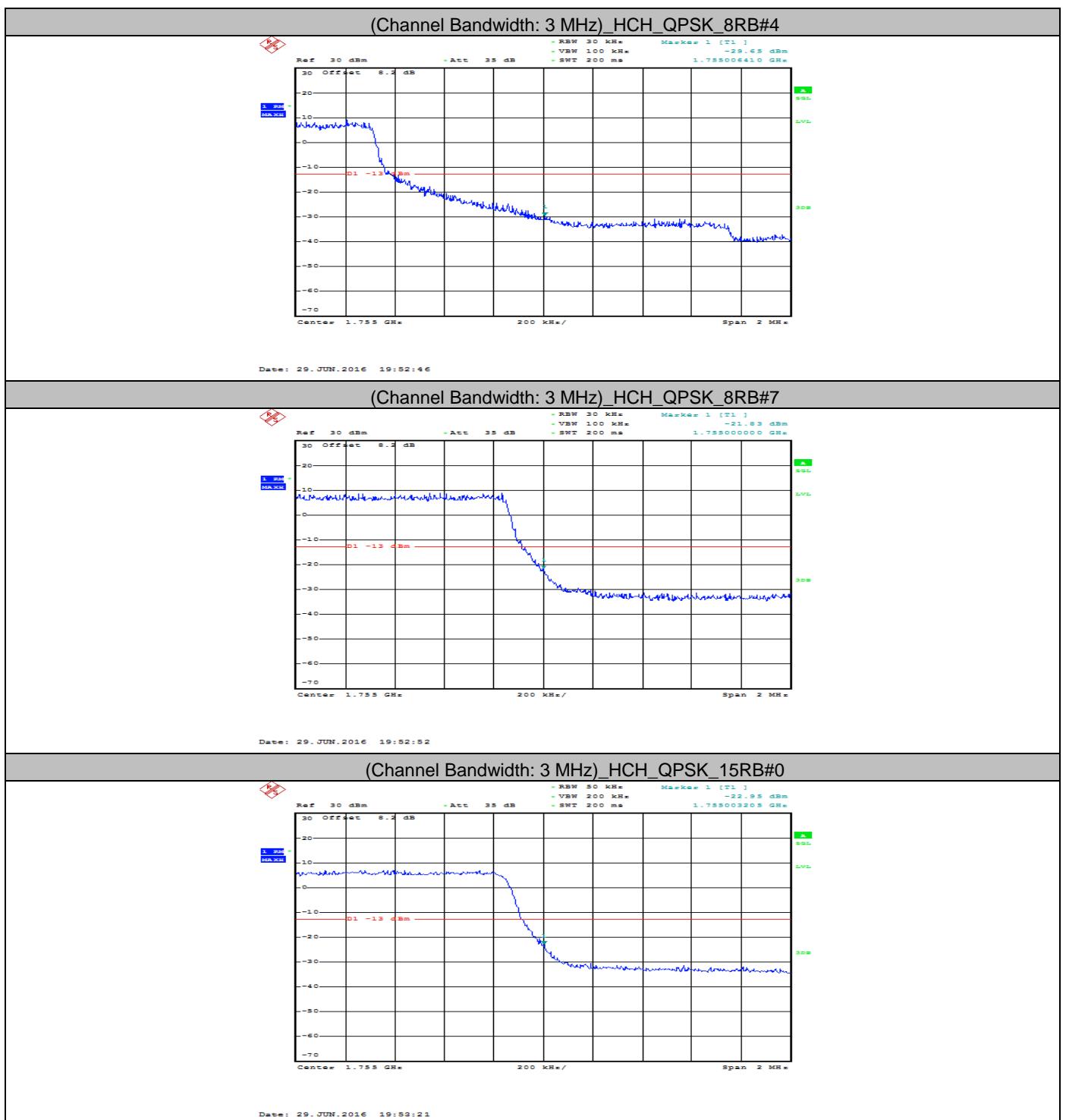


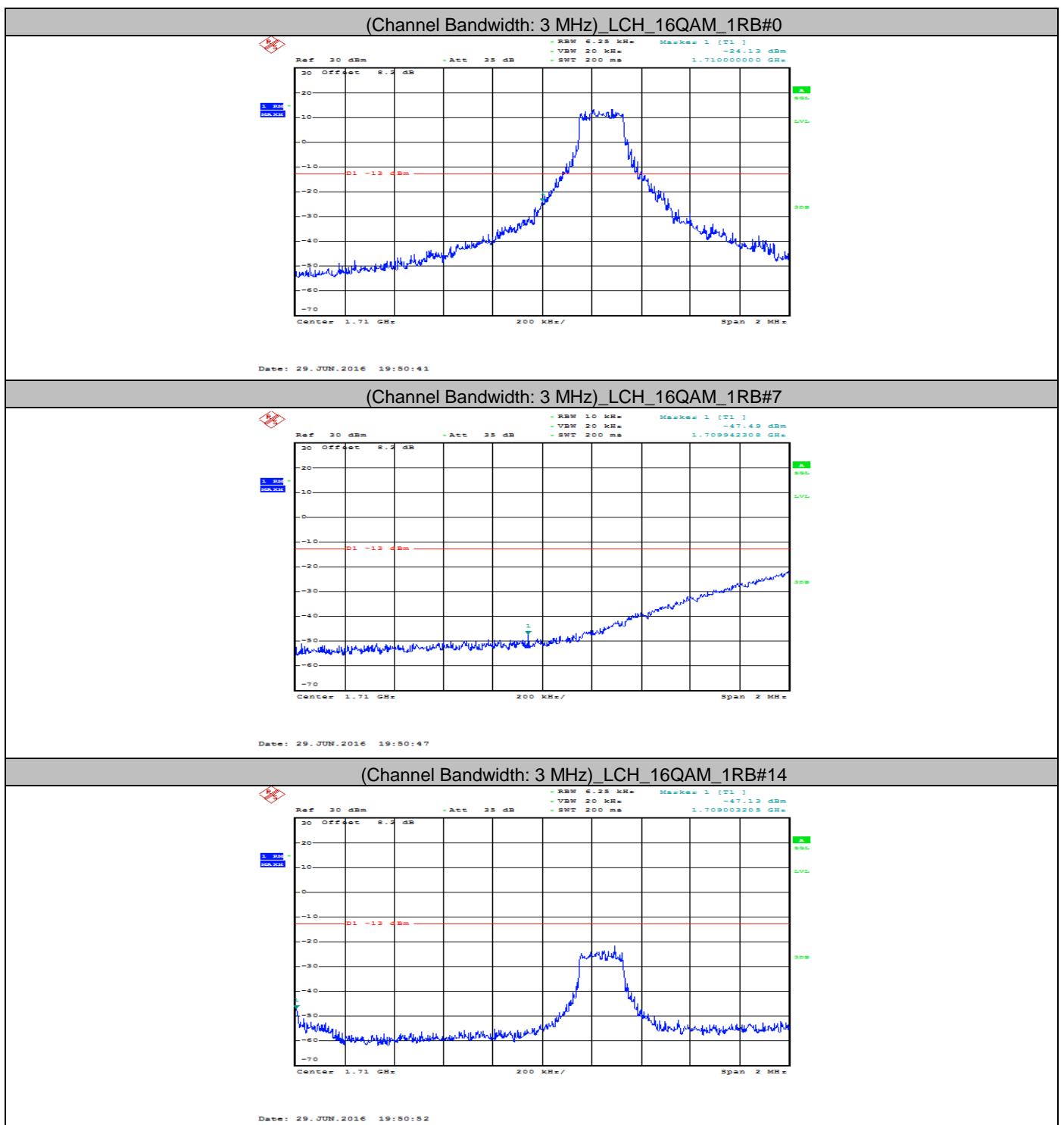
Date: 29.JUN.2016 19:52:11

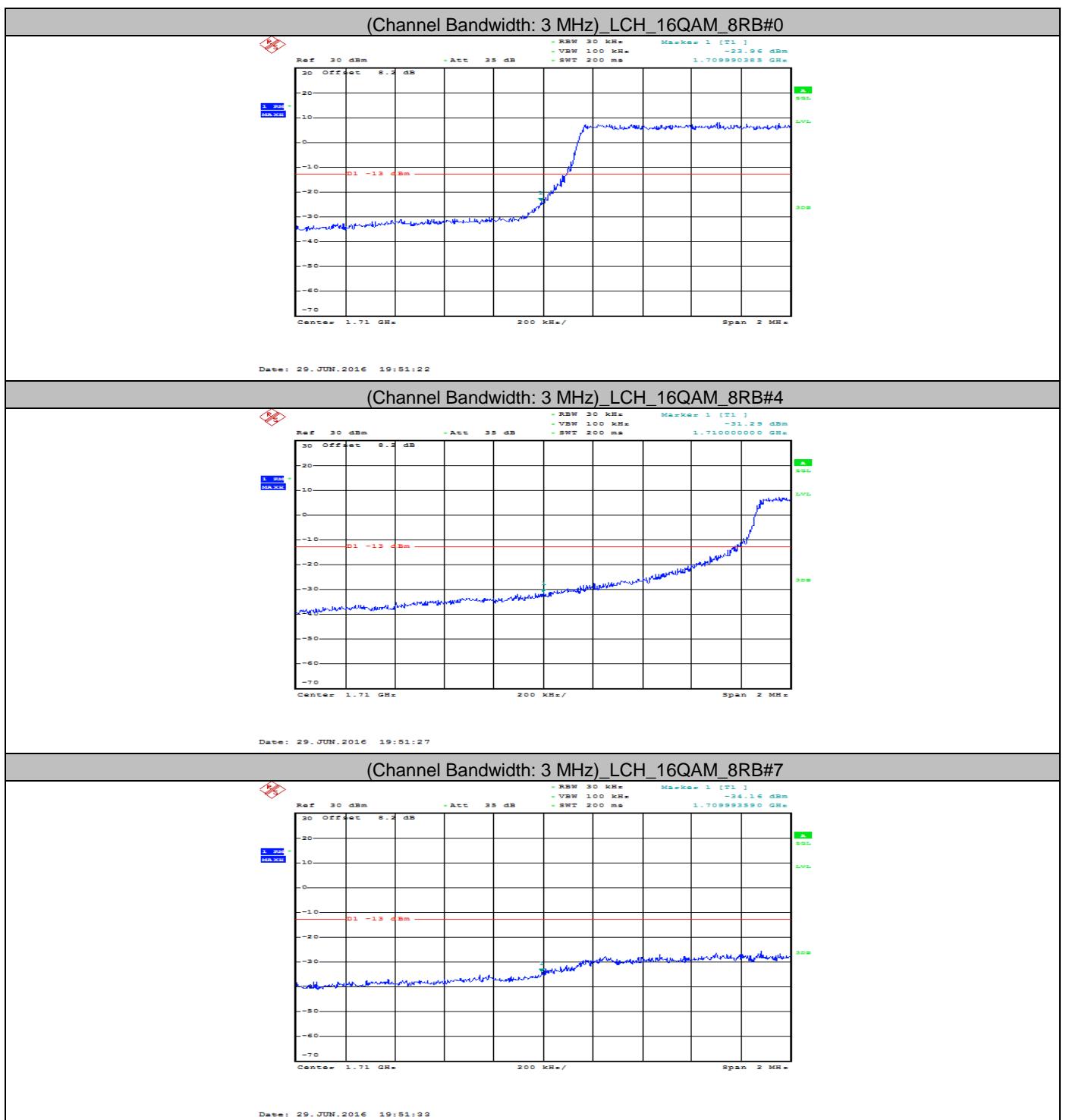
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0

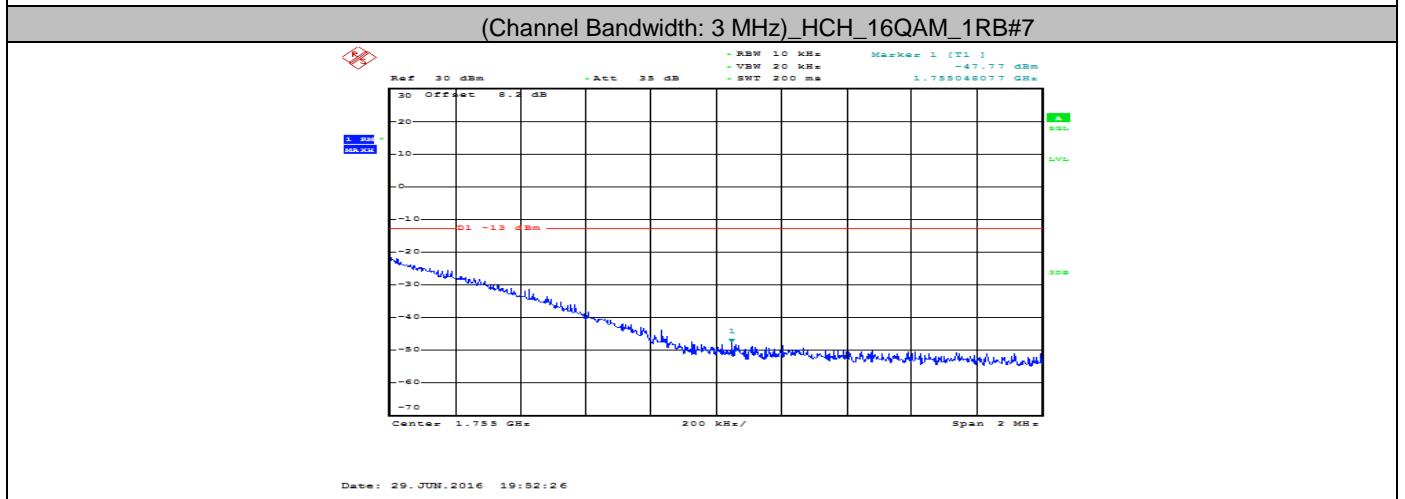
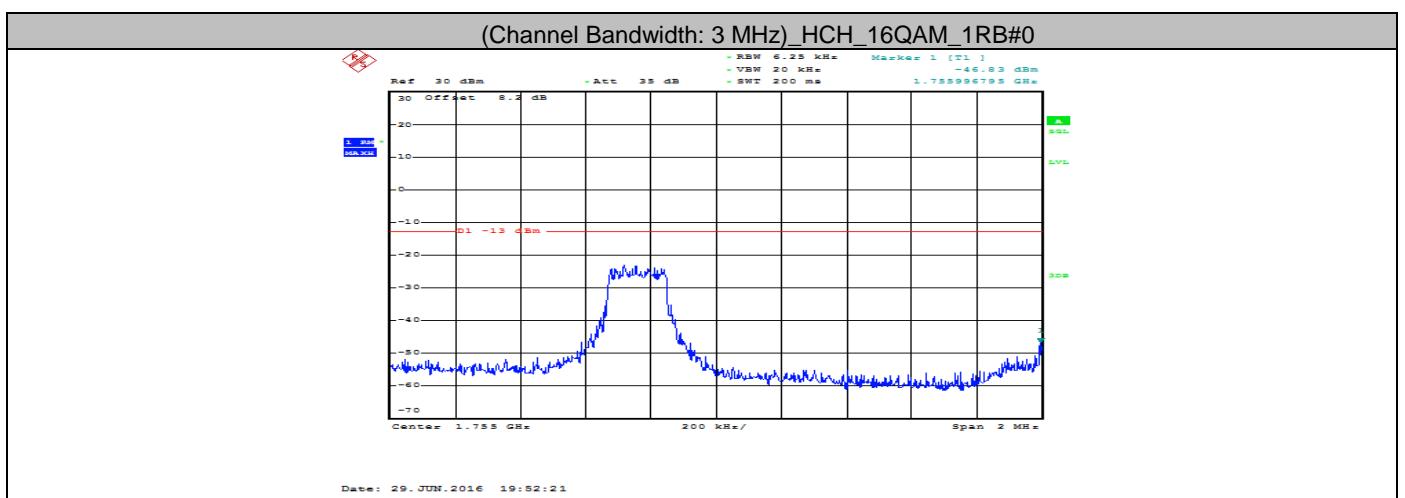
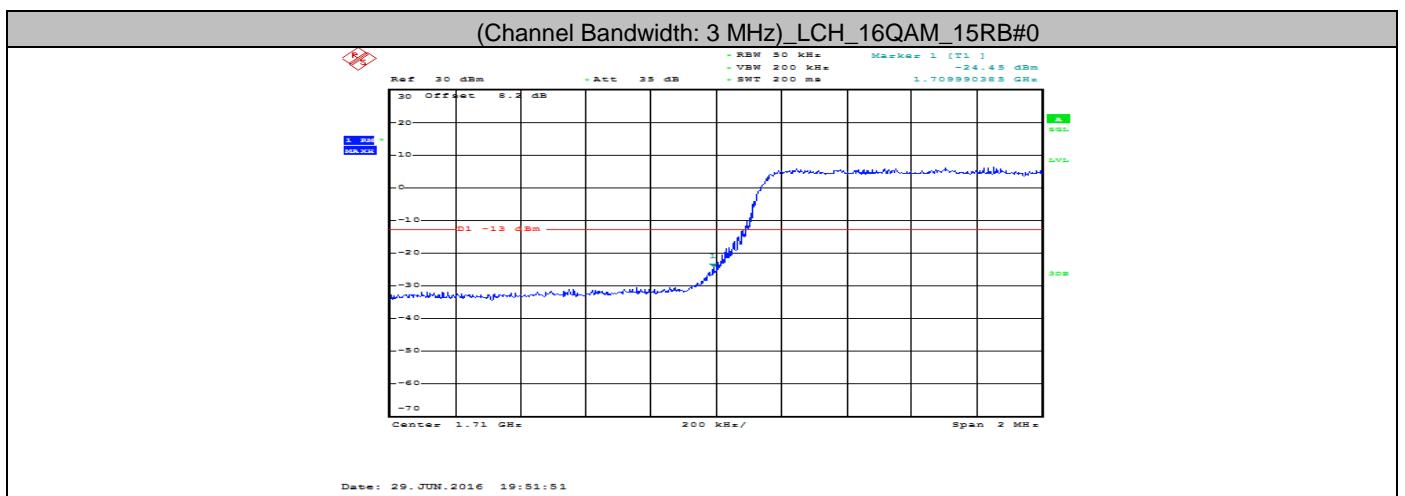


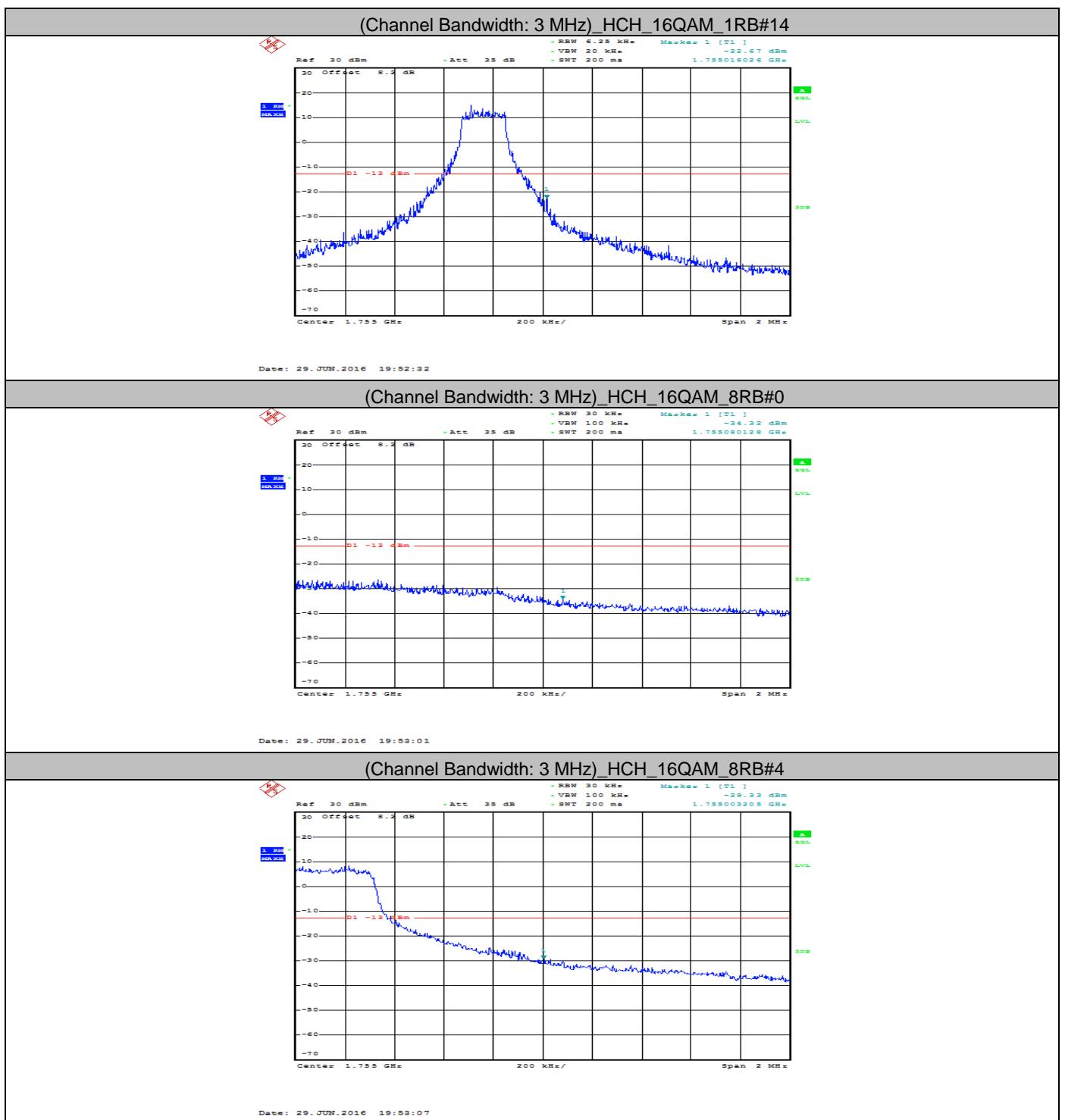
Date: 29.JUN.2016 19:52:41

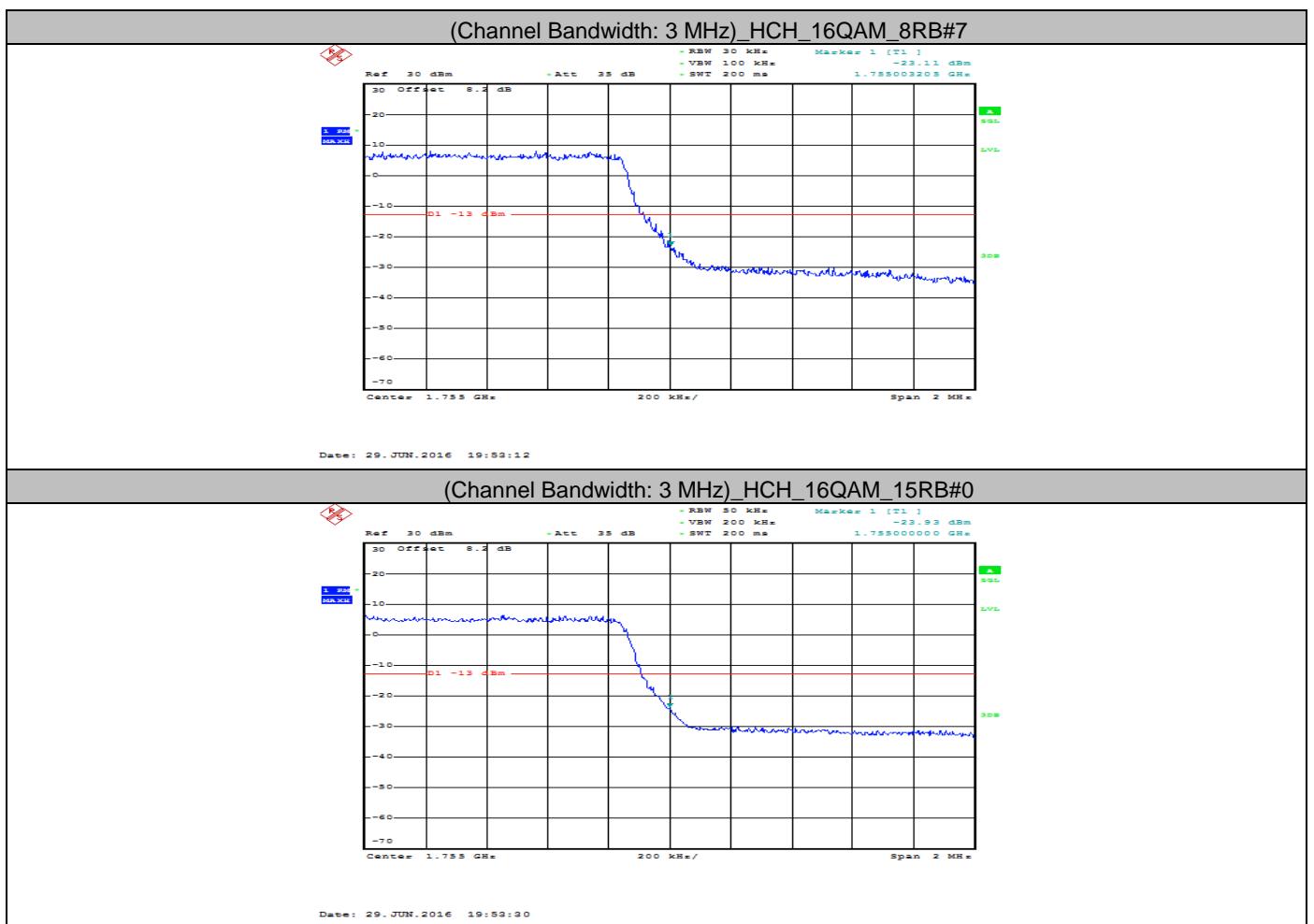




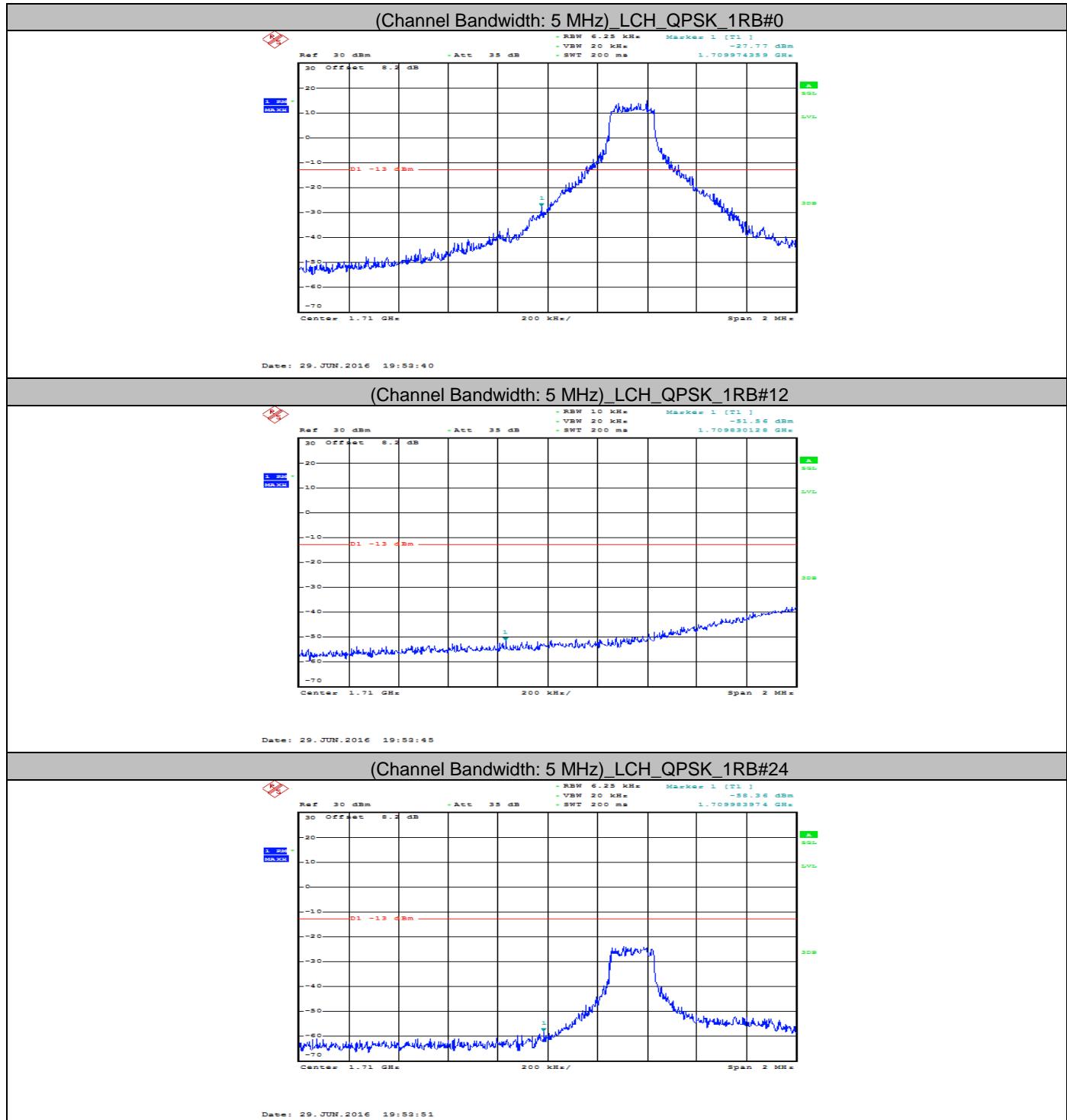


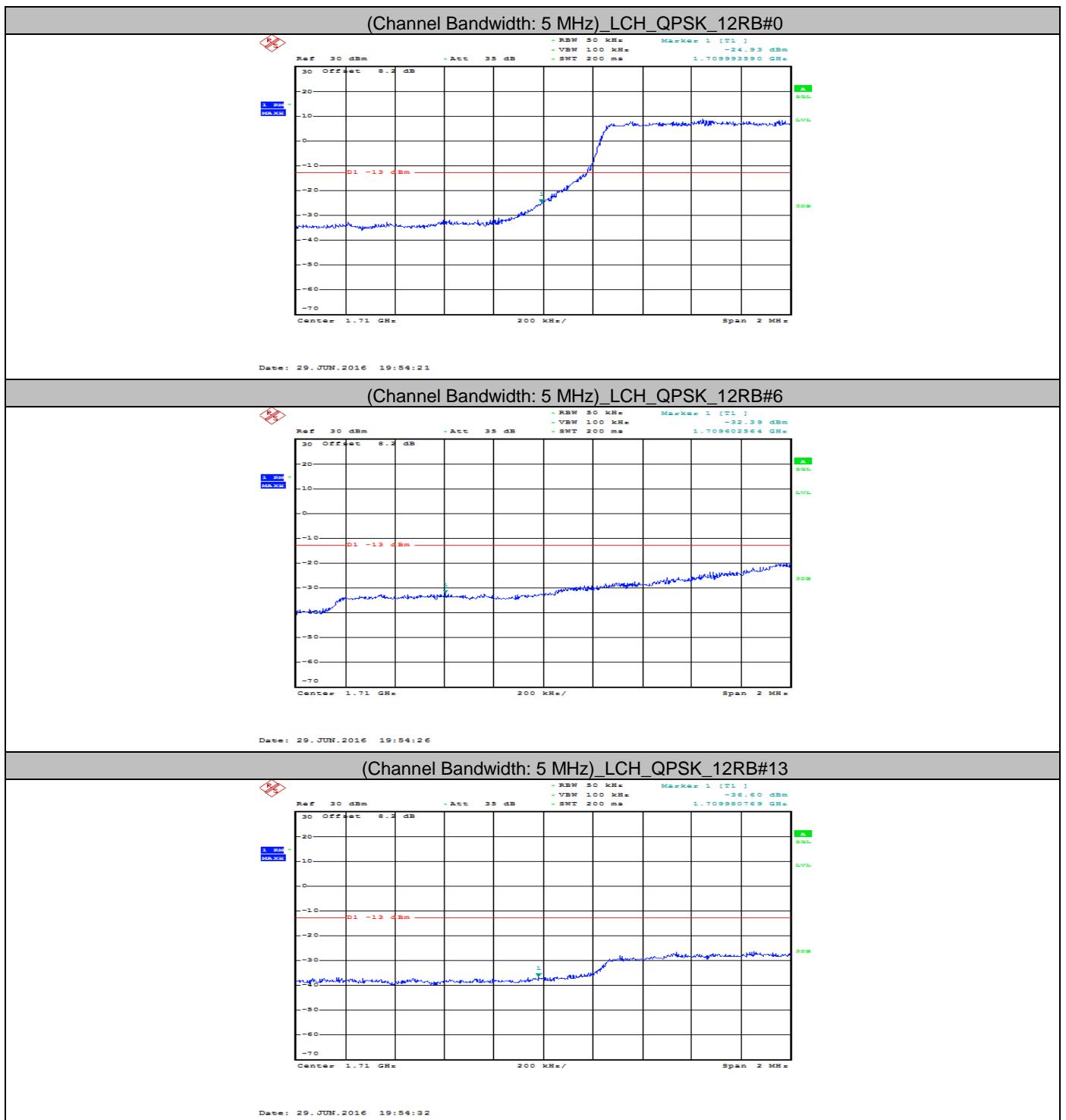


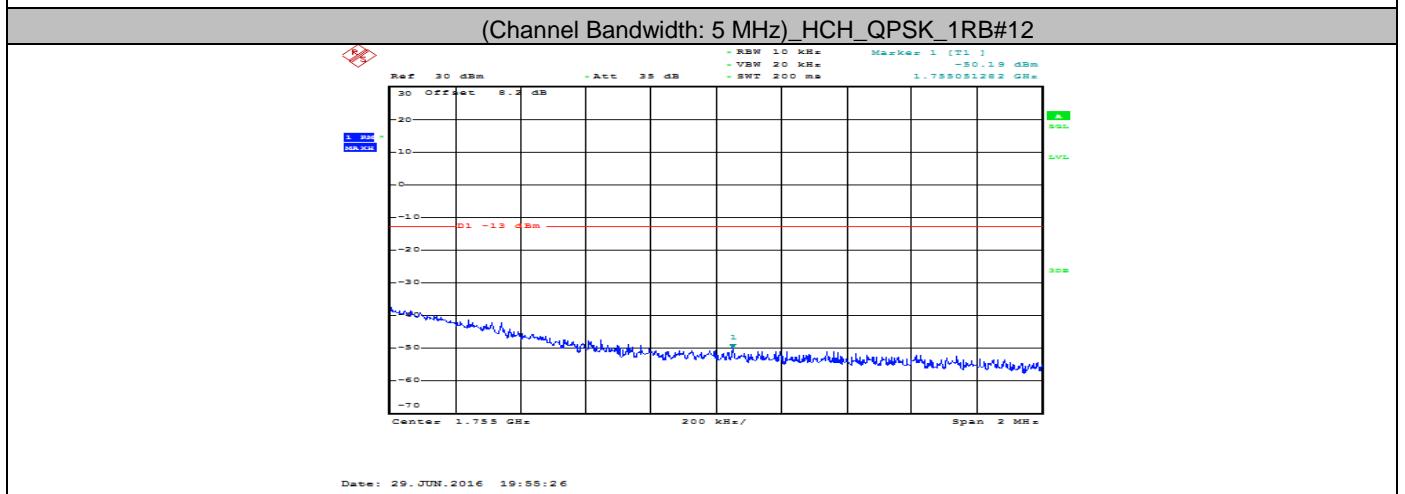
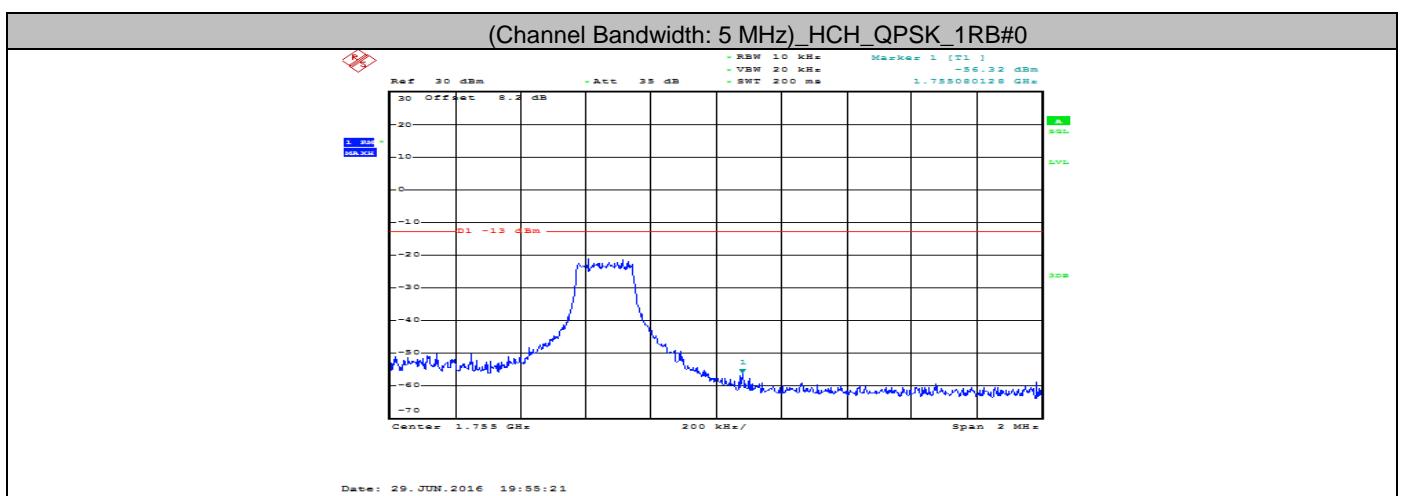
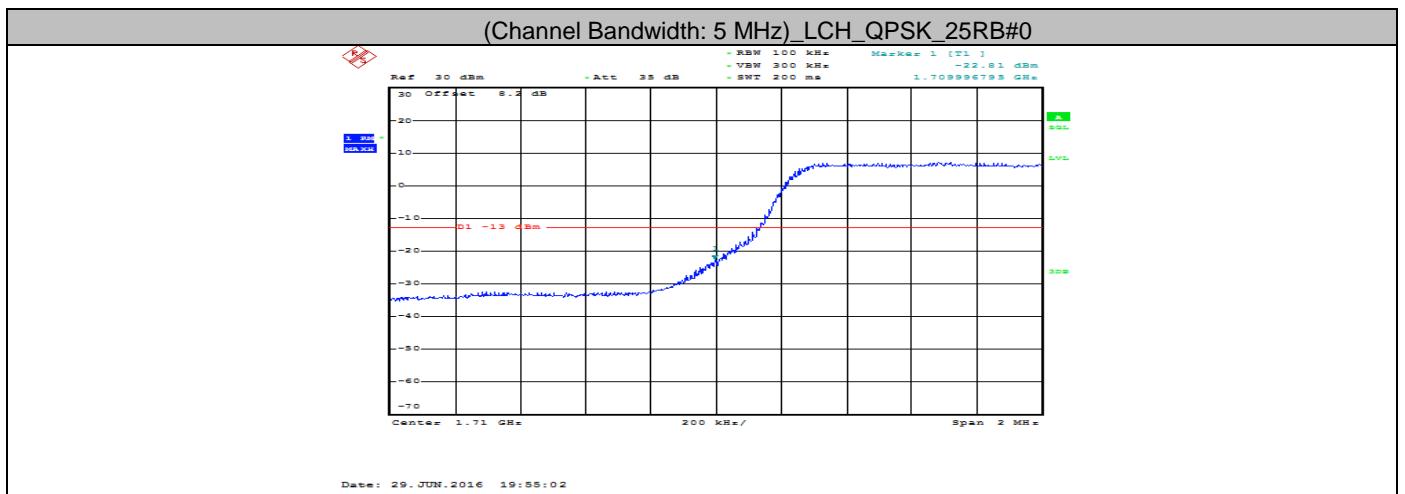


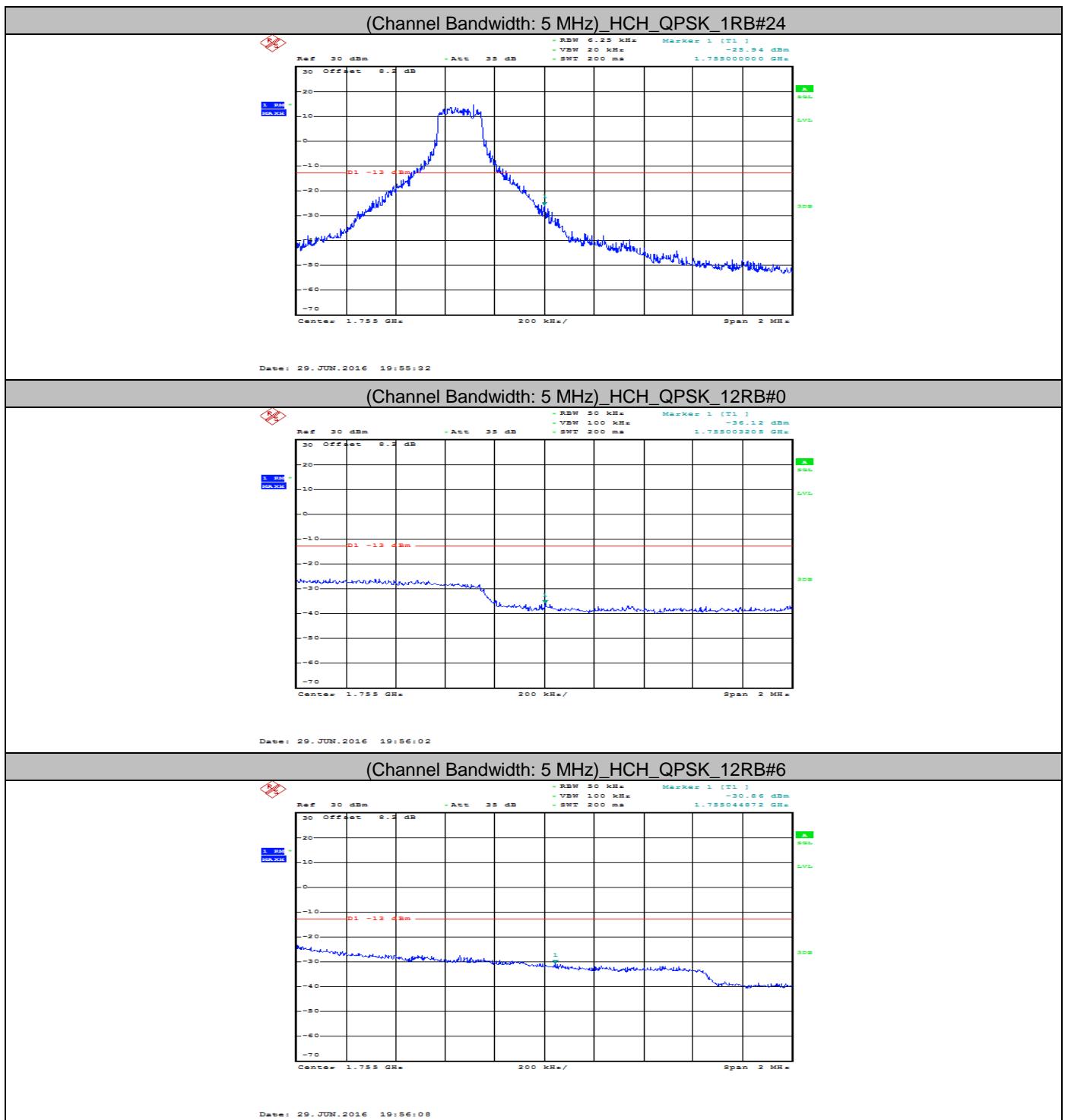


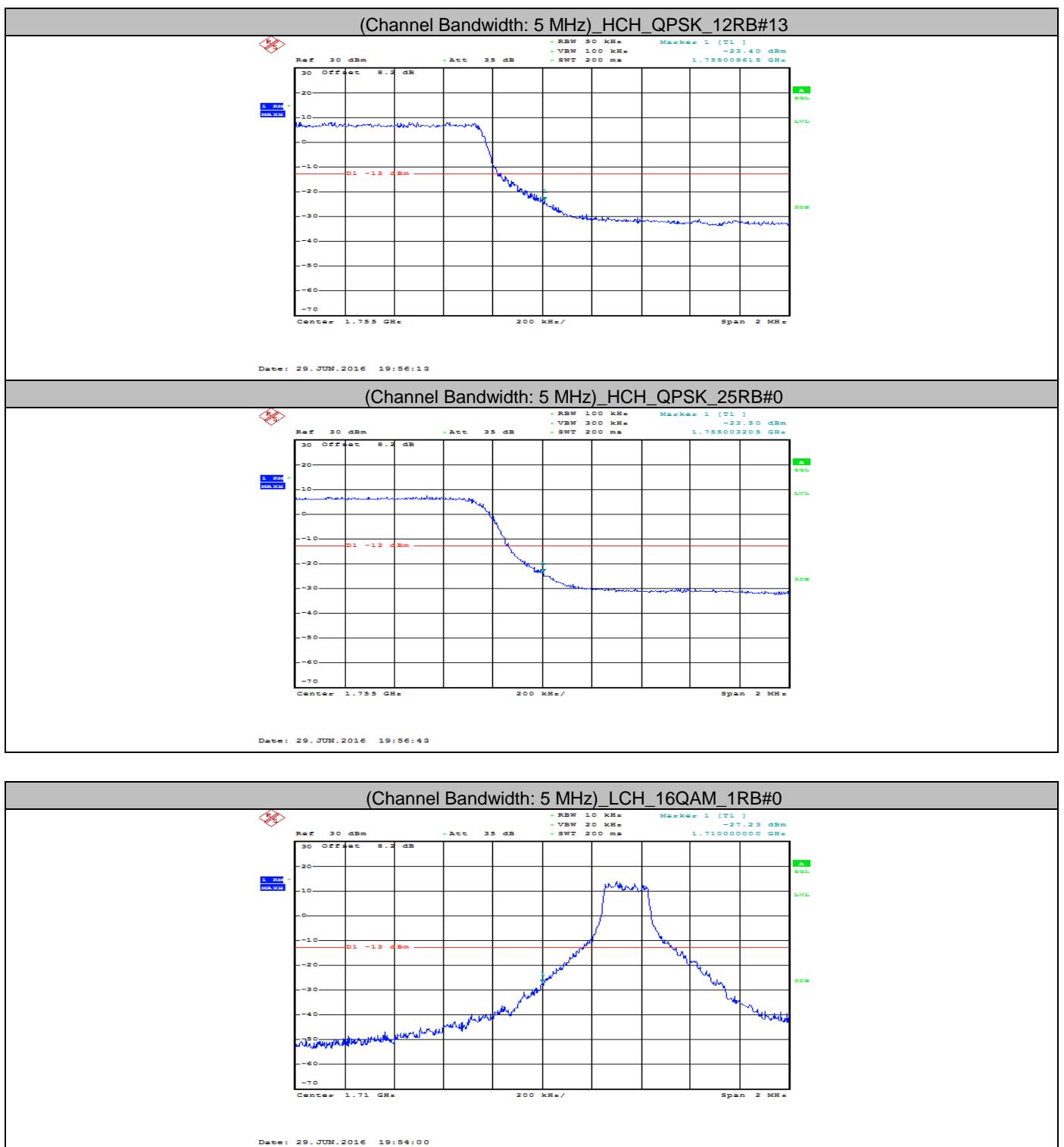
Band edge measurement
 LTE Band 4
 Channel Bandwidth: 5 MHz

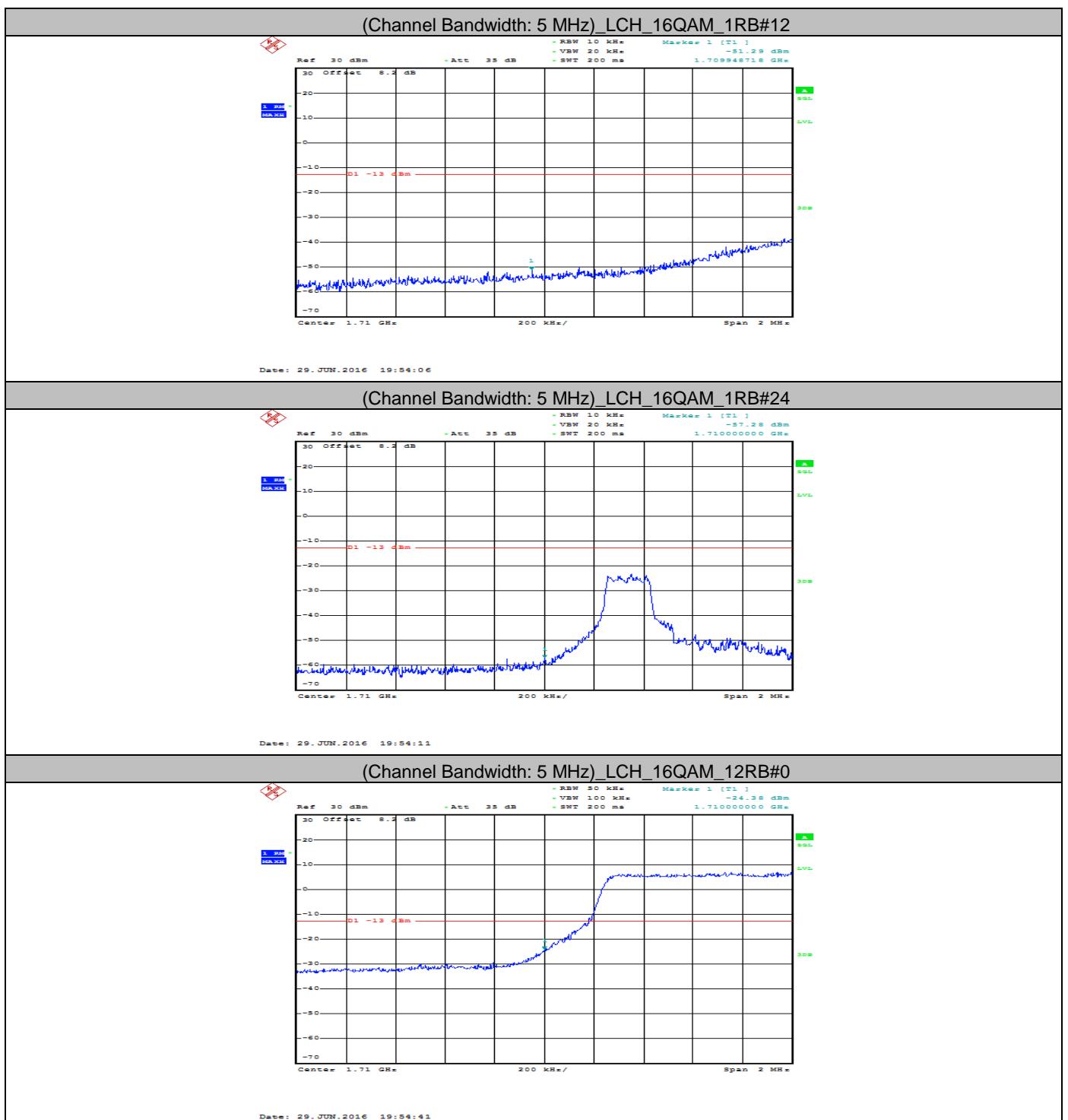


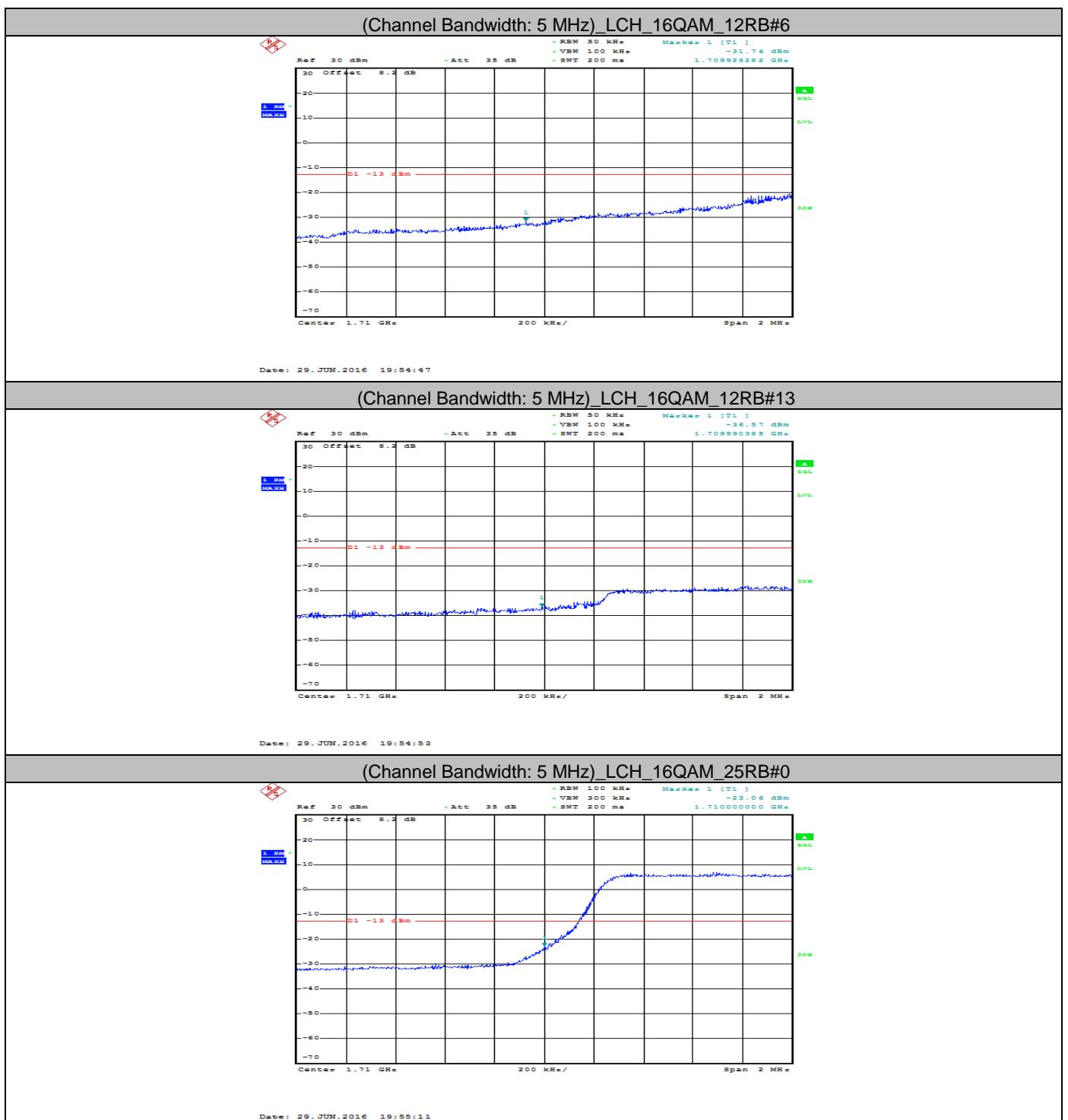


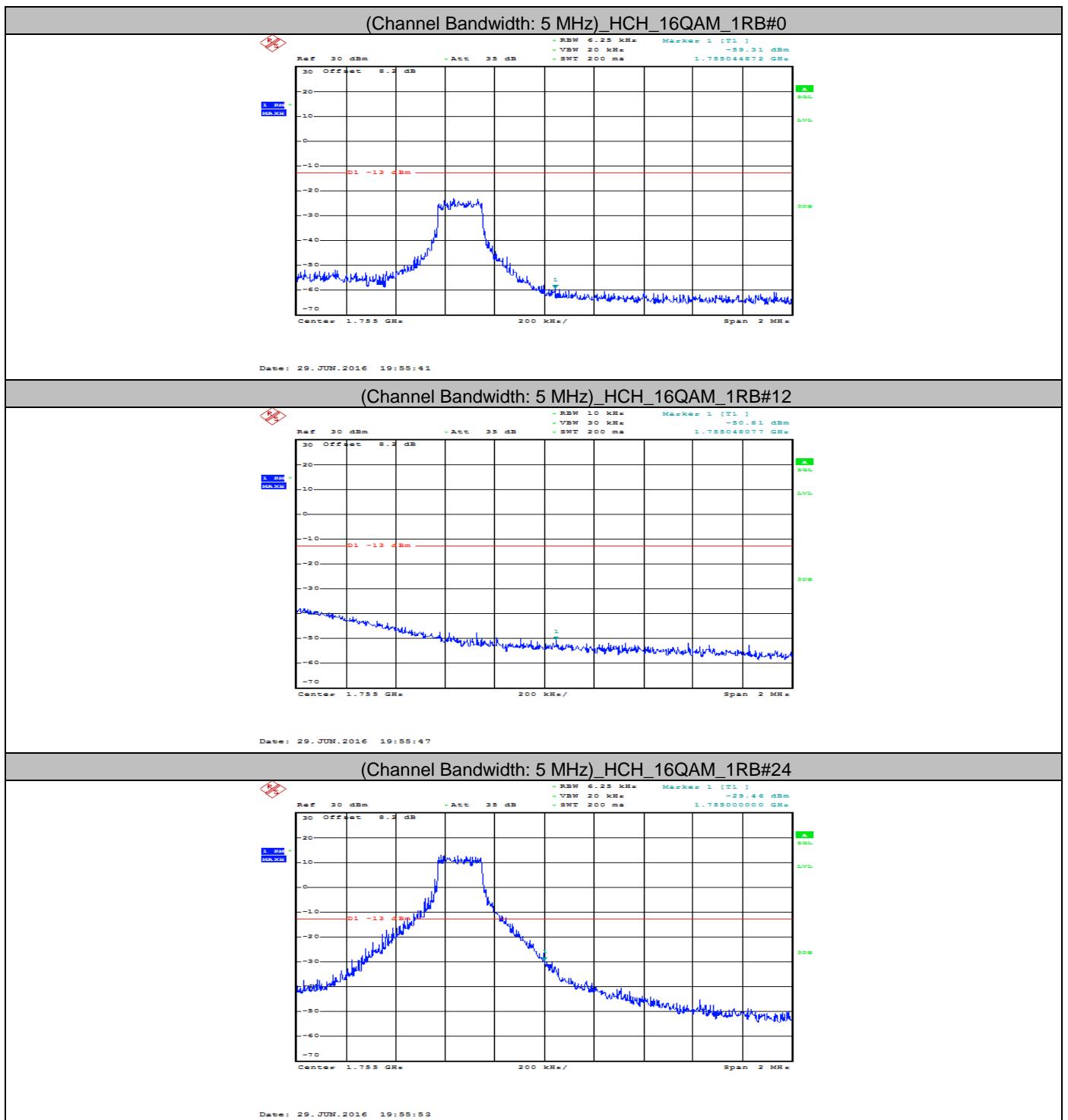


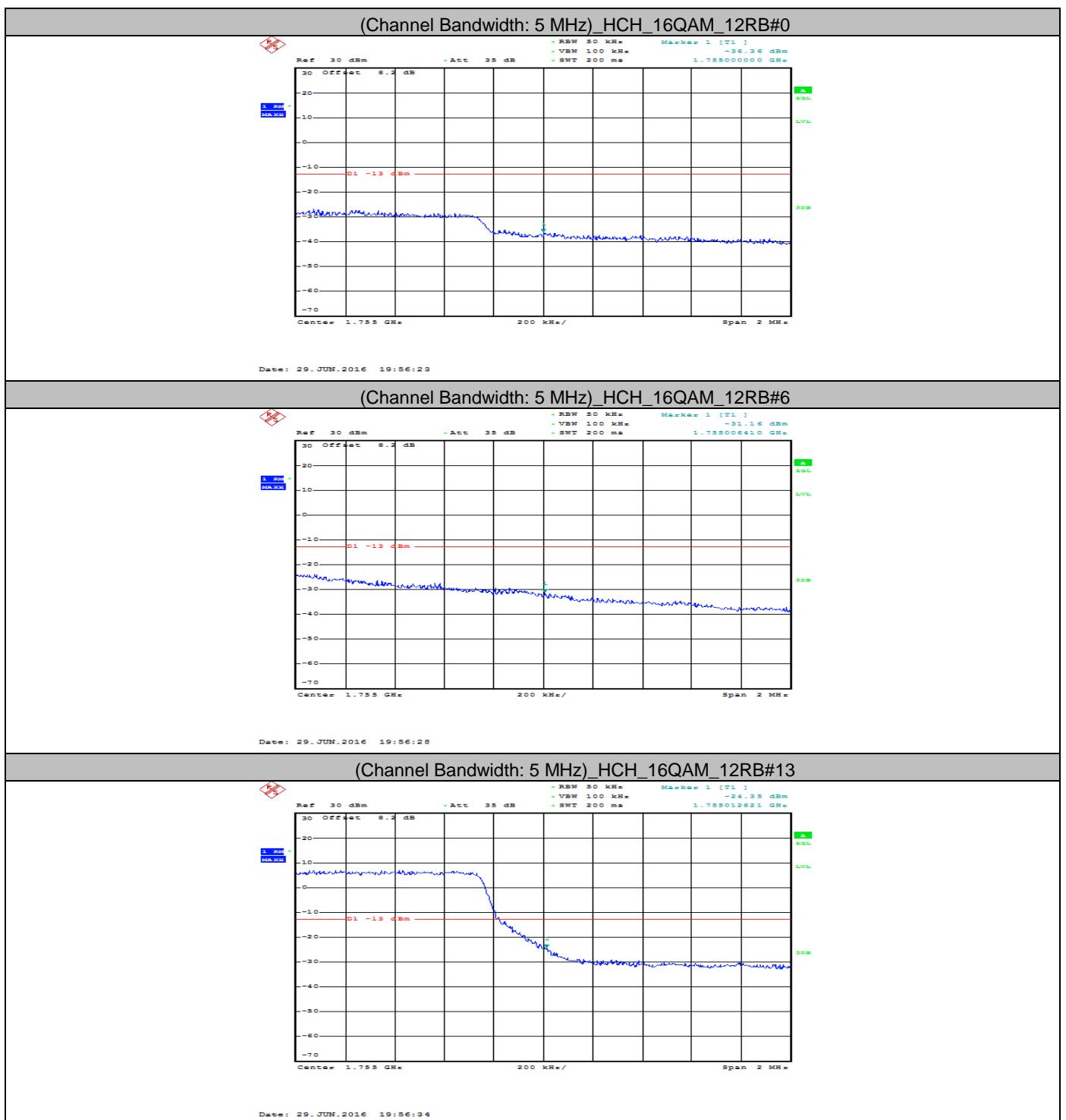


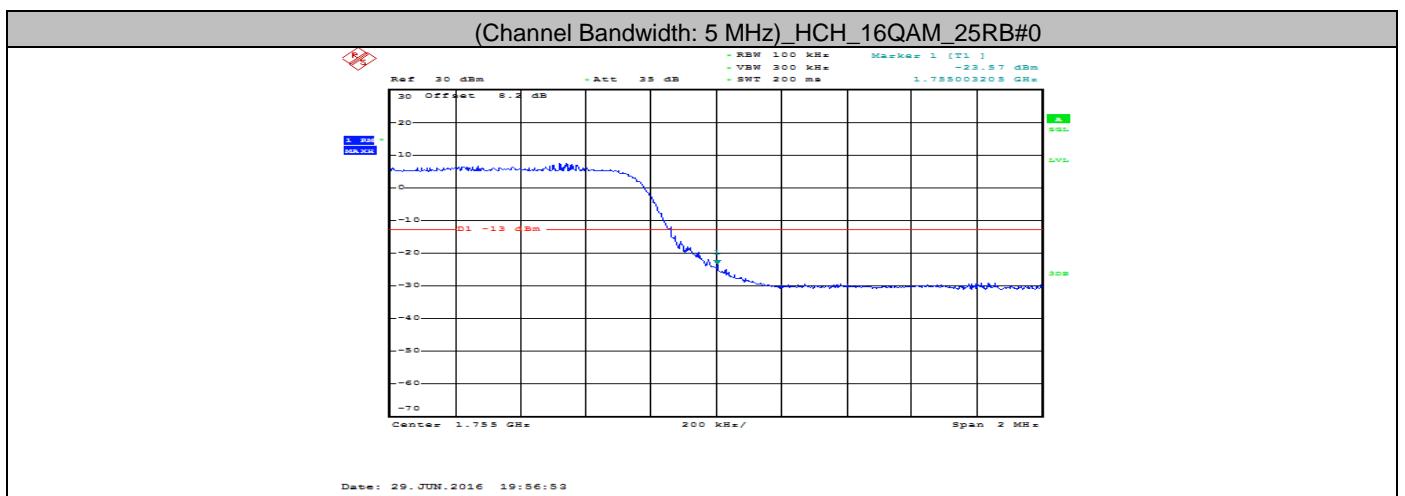




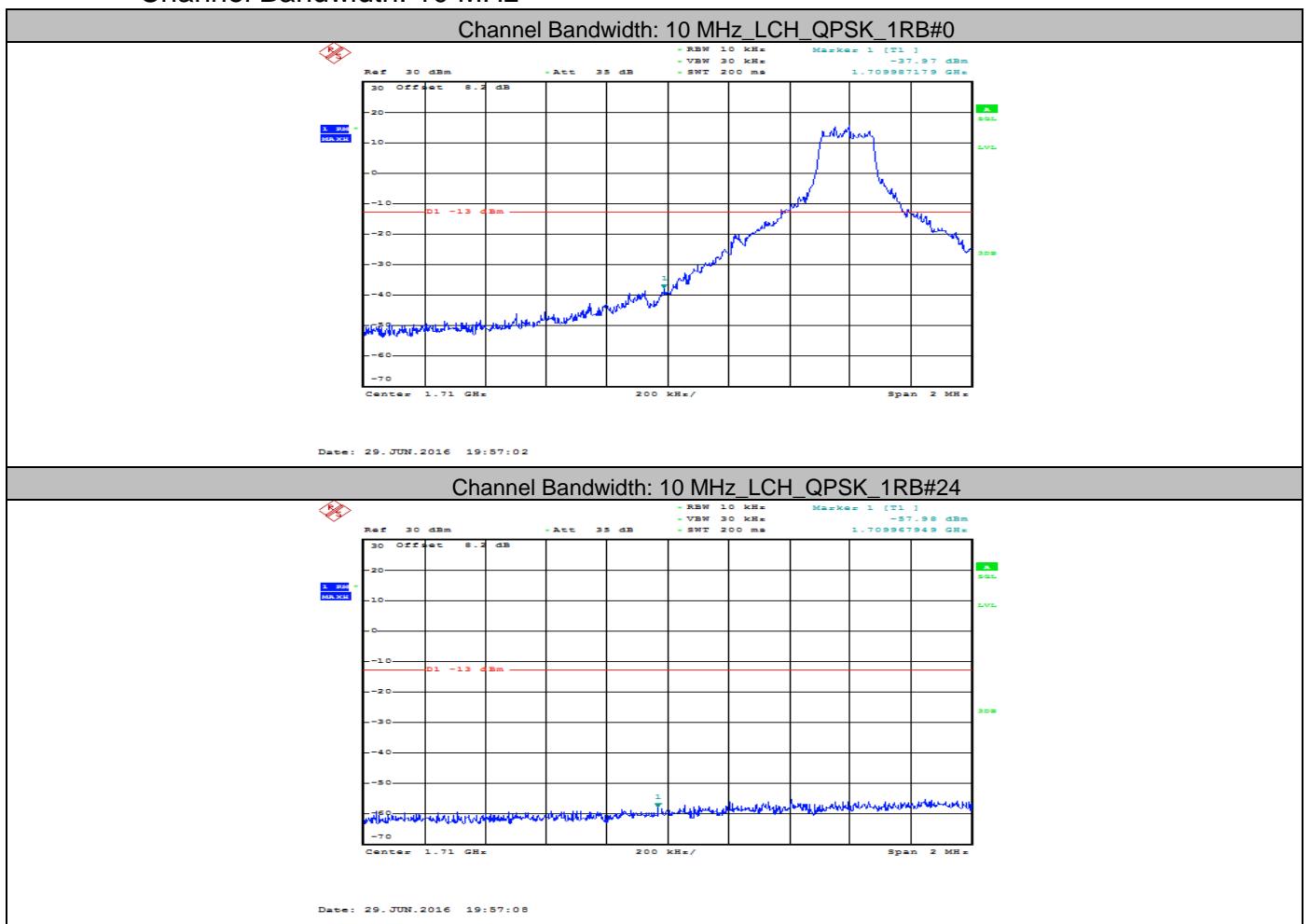


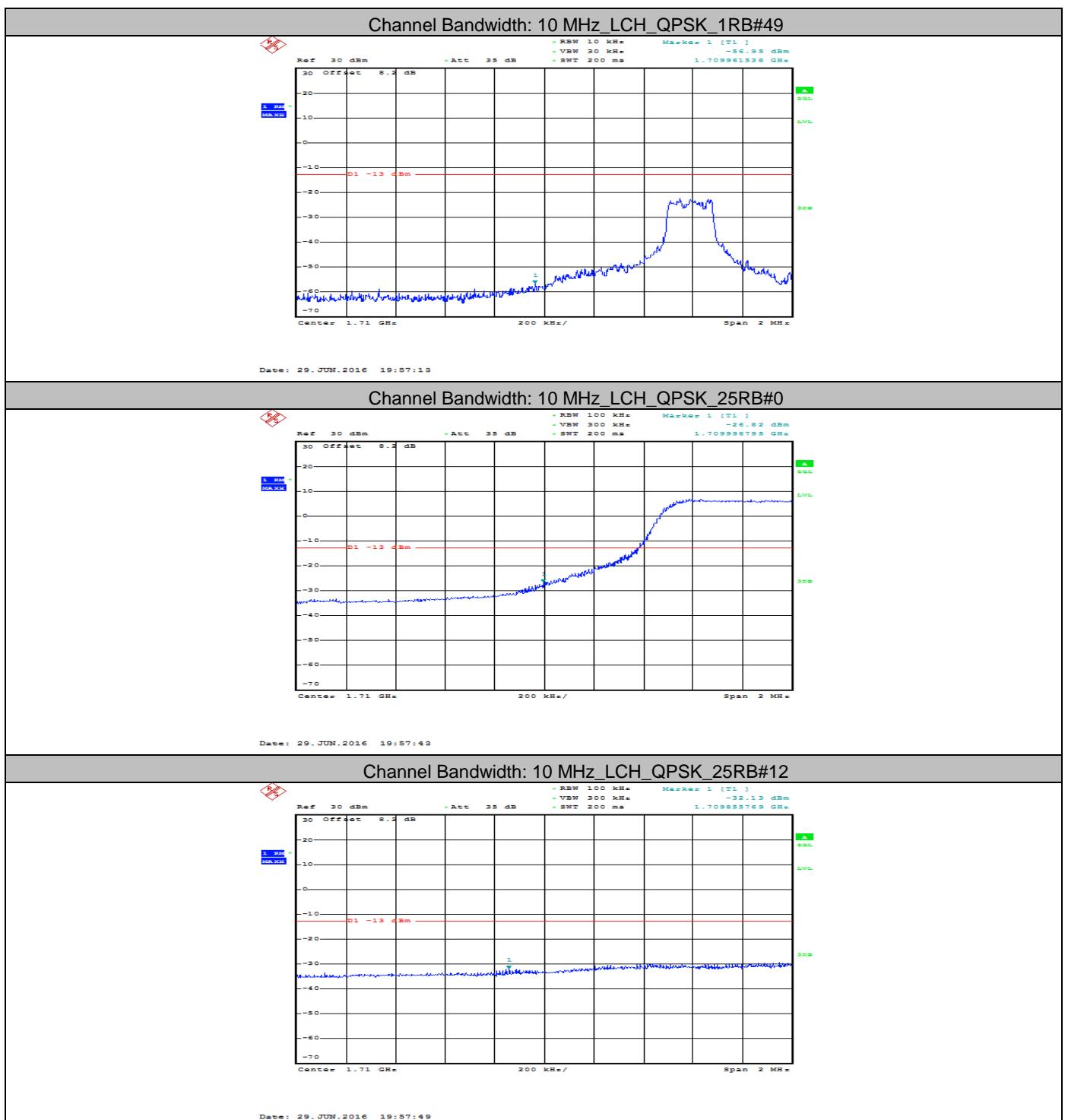


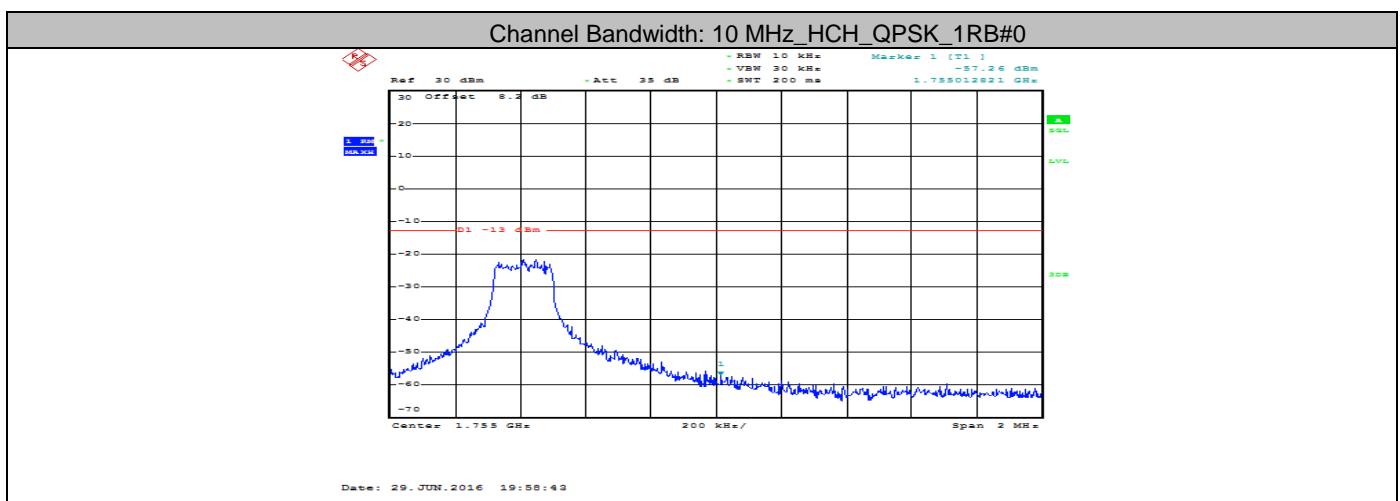
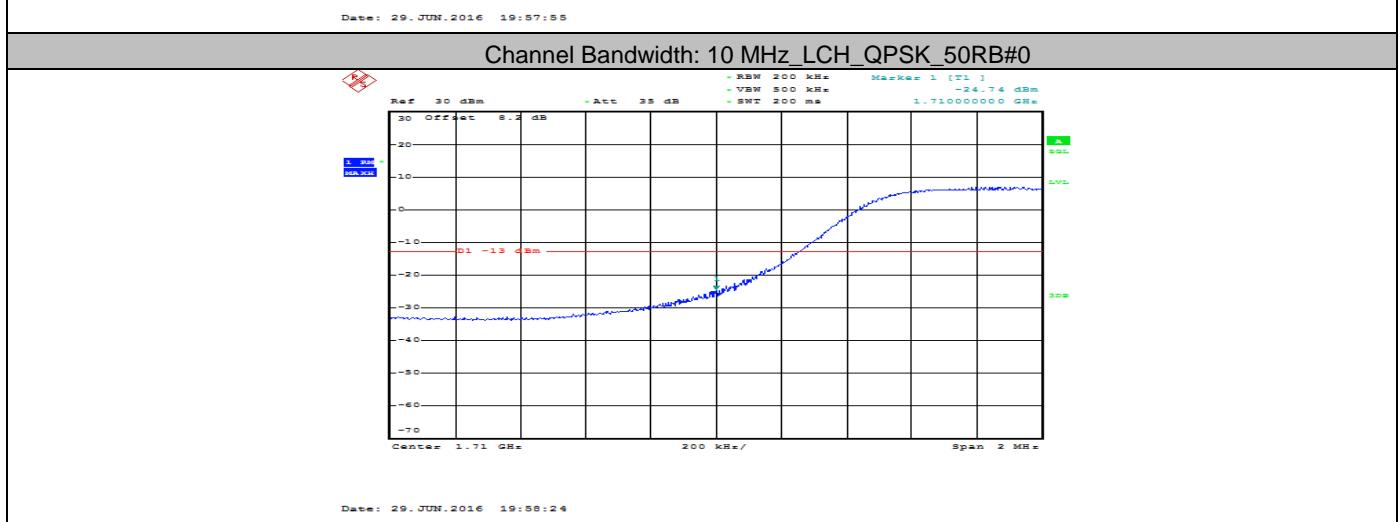
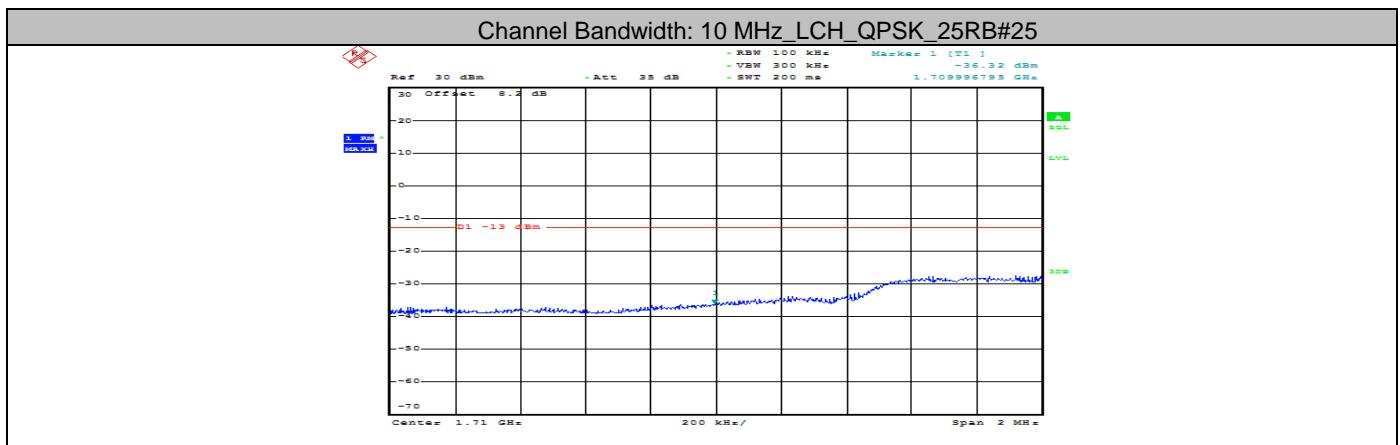


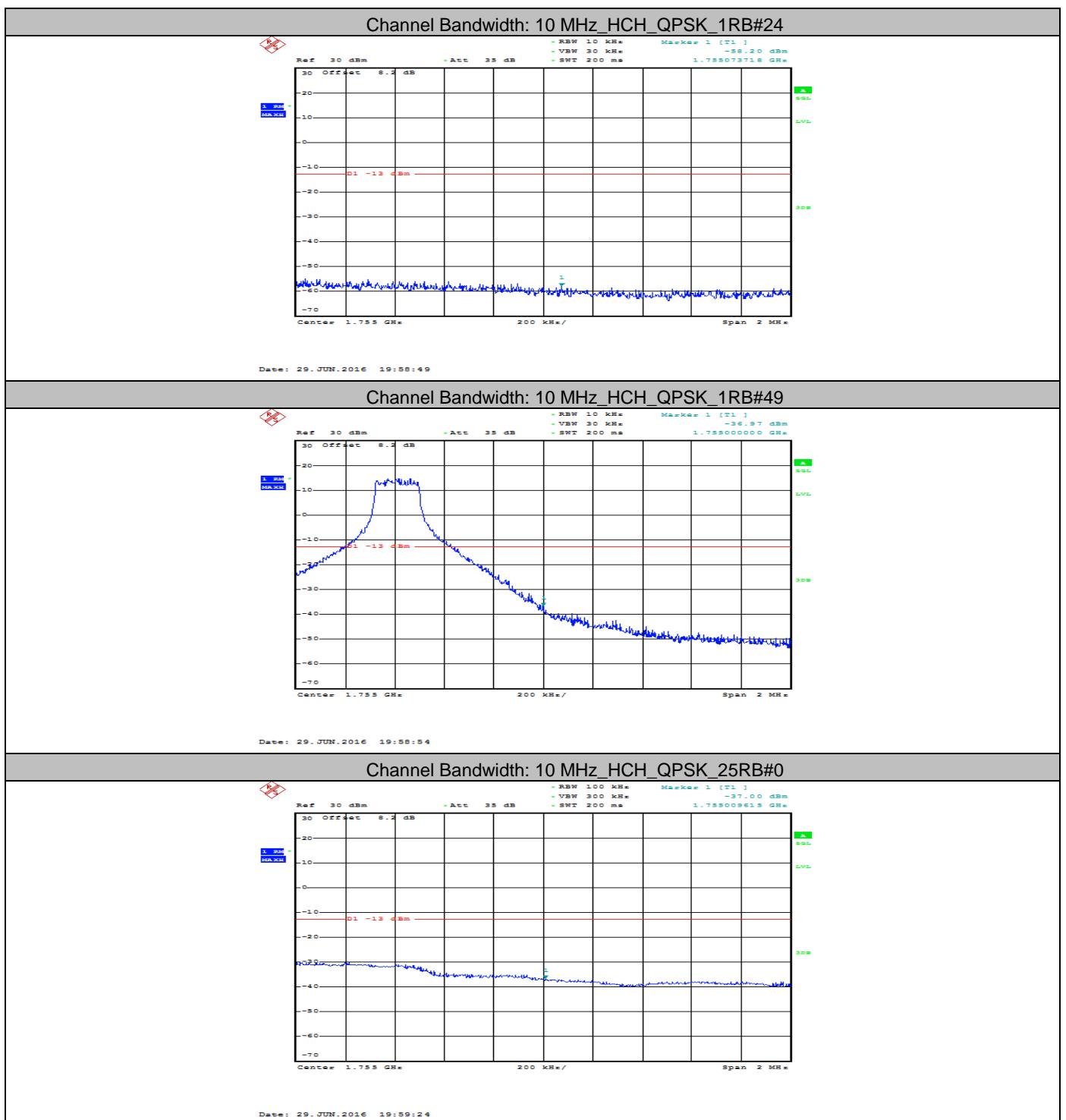


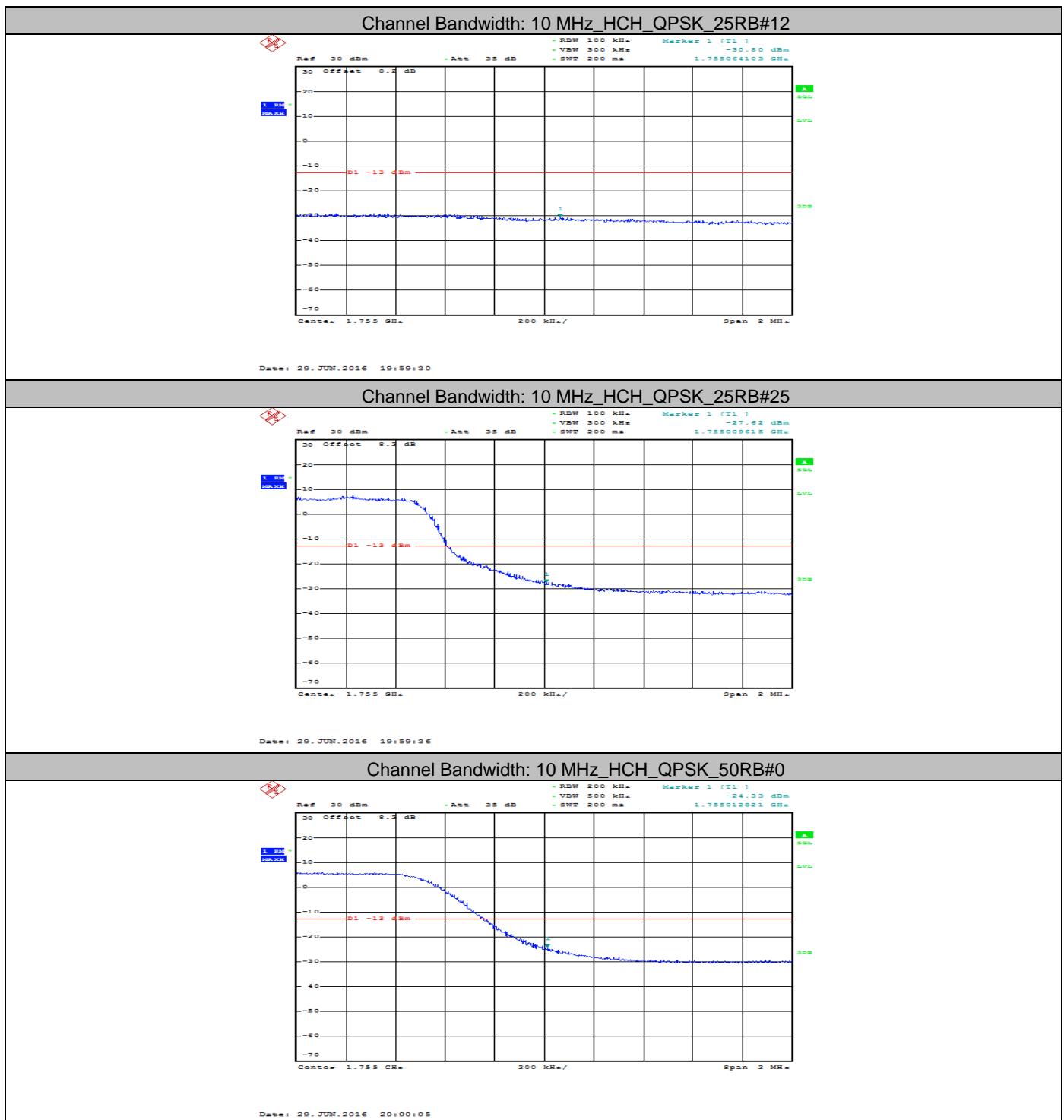
Band edge measurement
LTE Band 4
Channel Bandwidth: 10 MHz

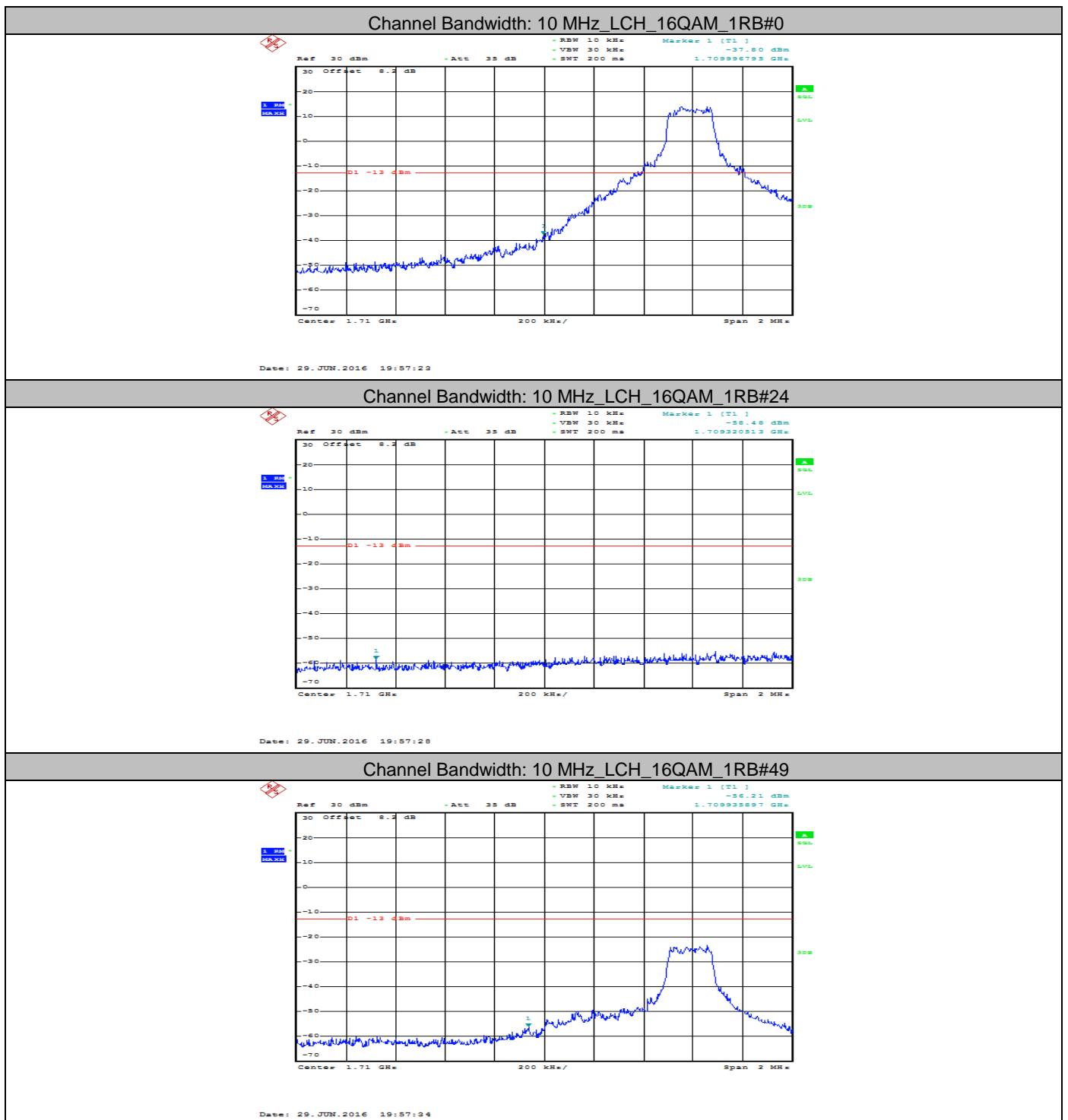


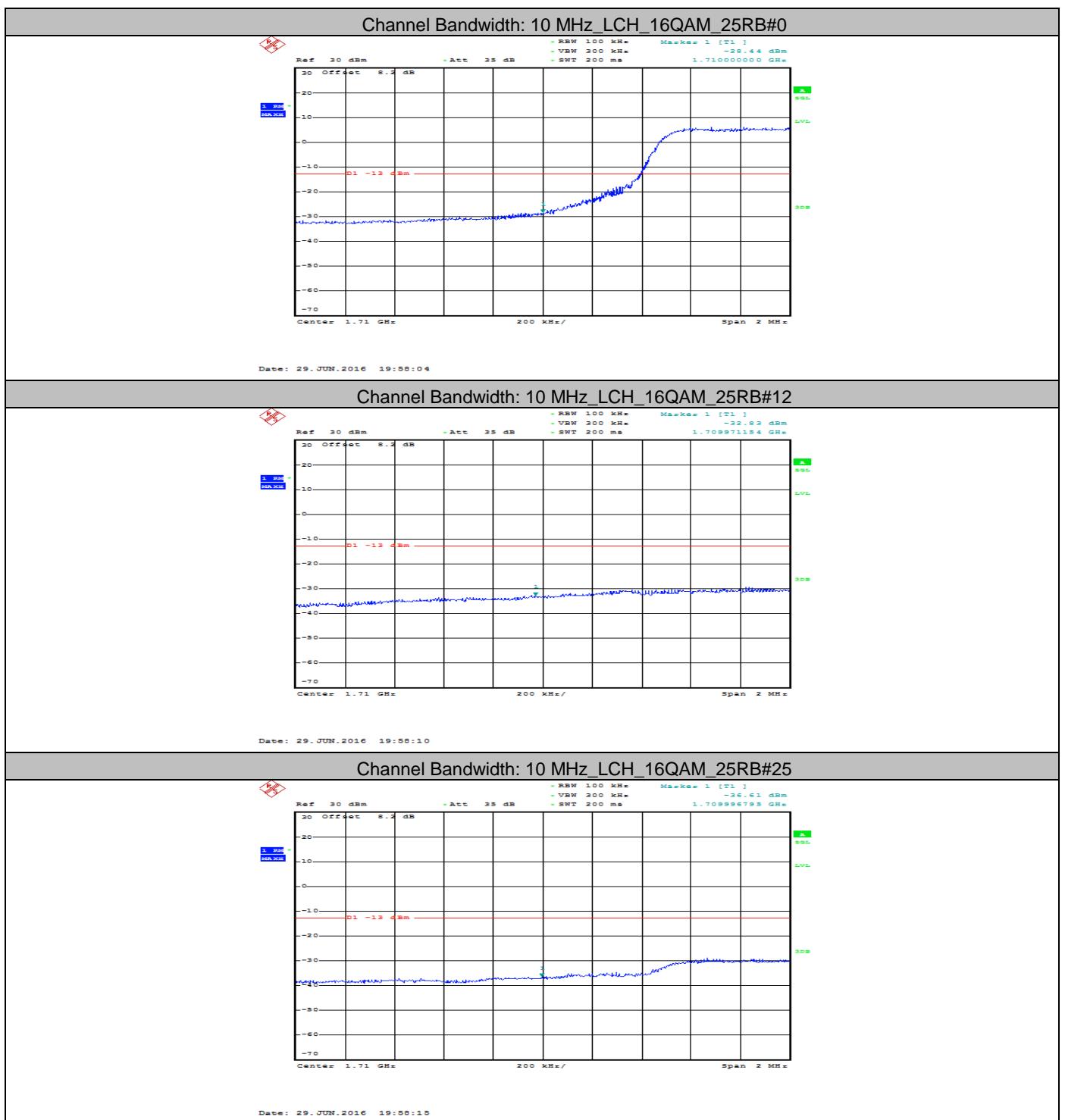


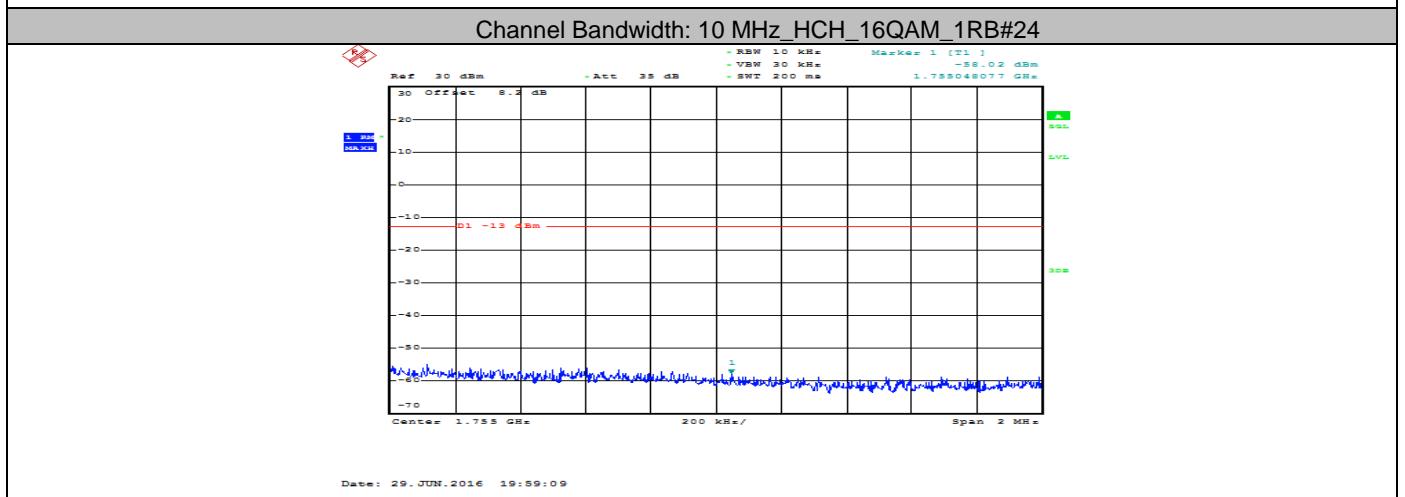
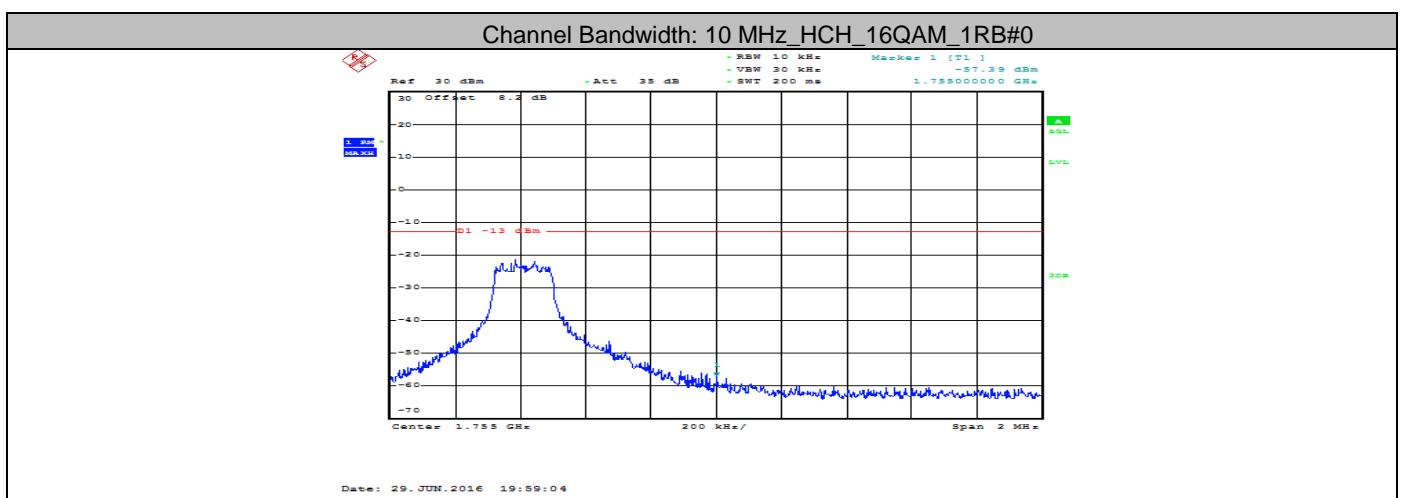
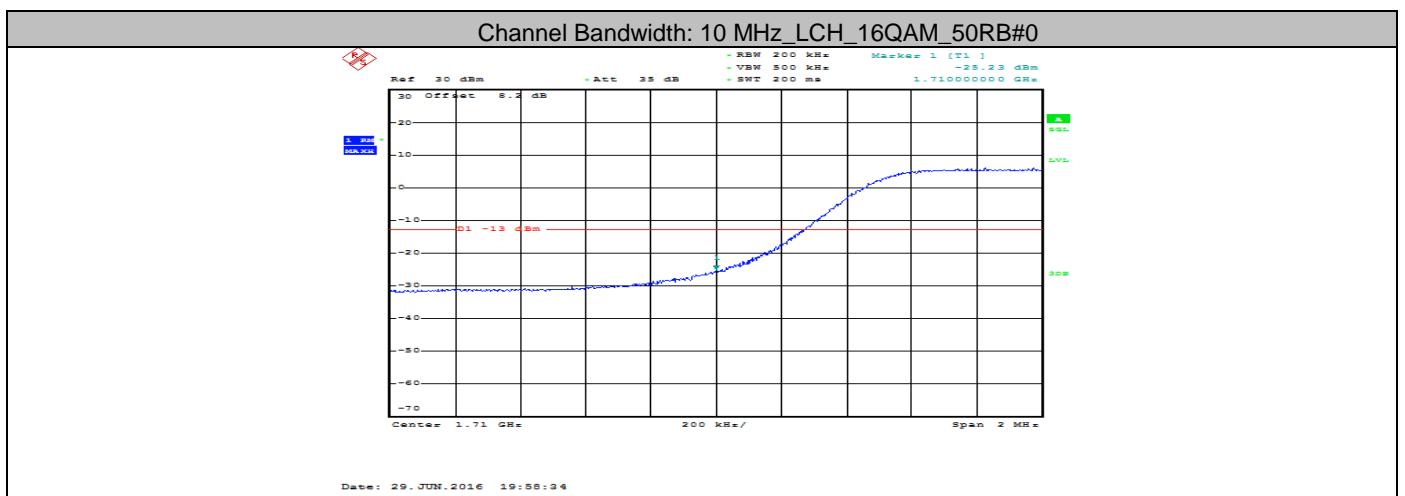


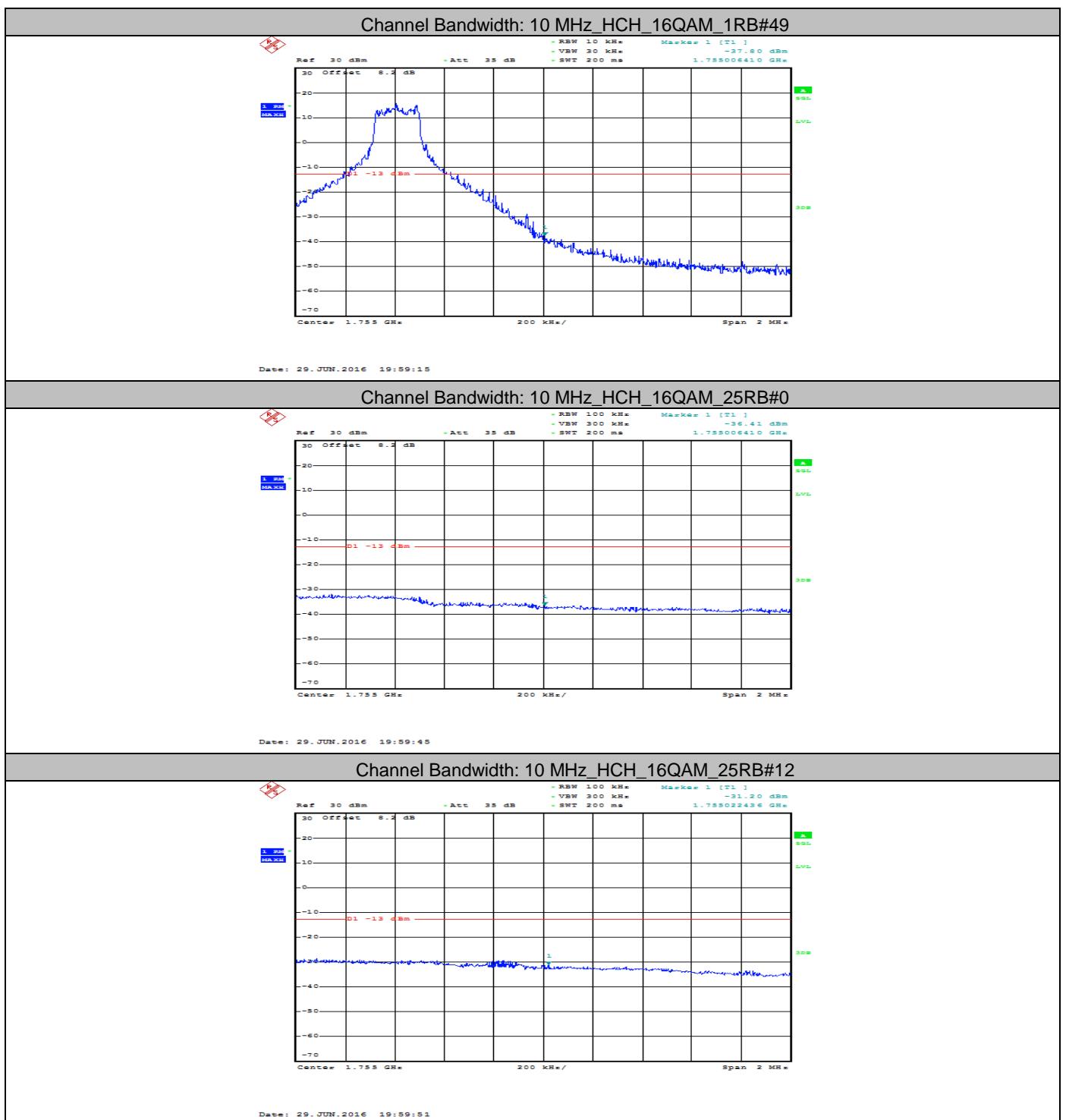


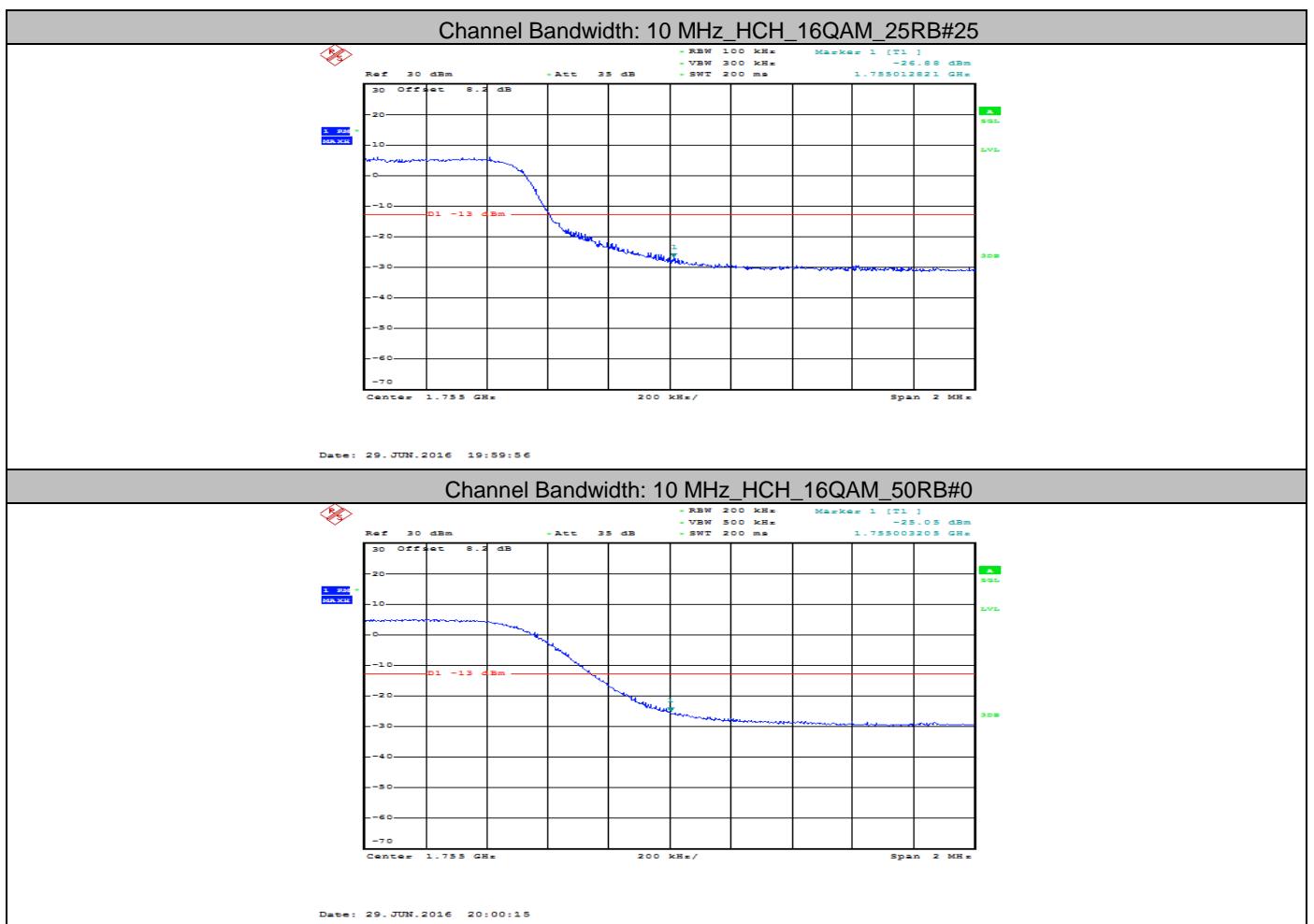




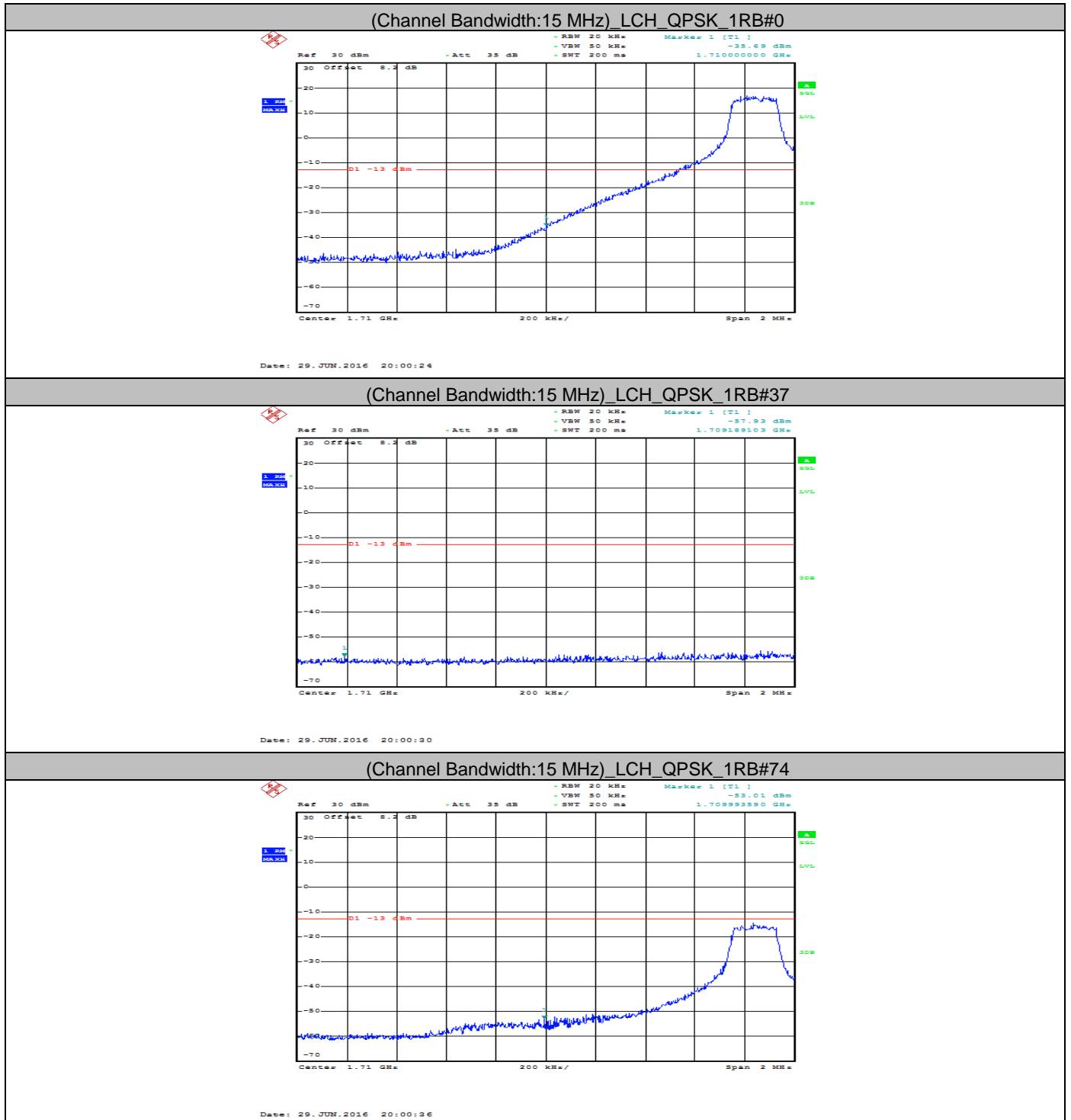


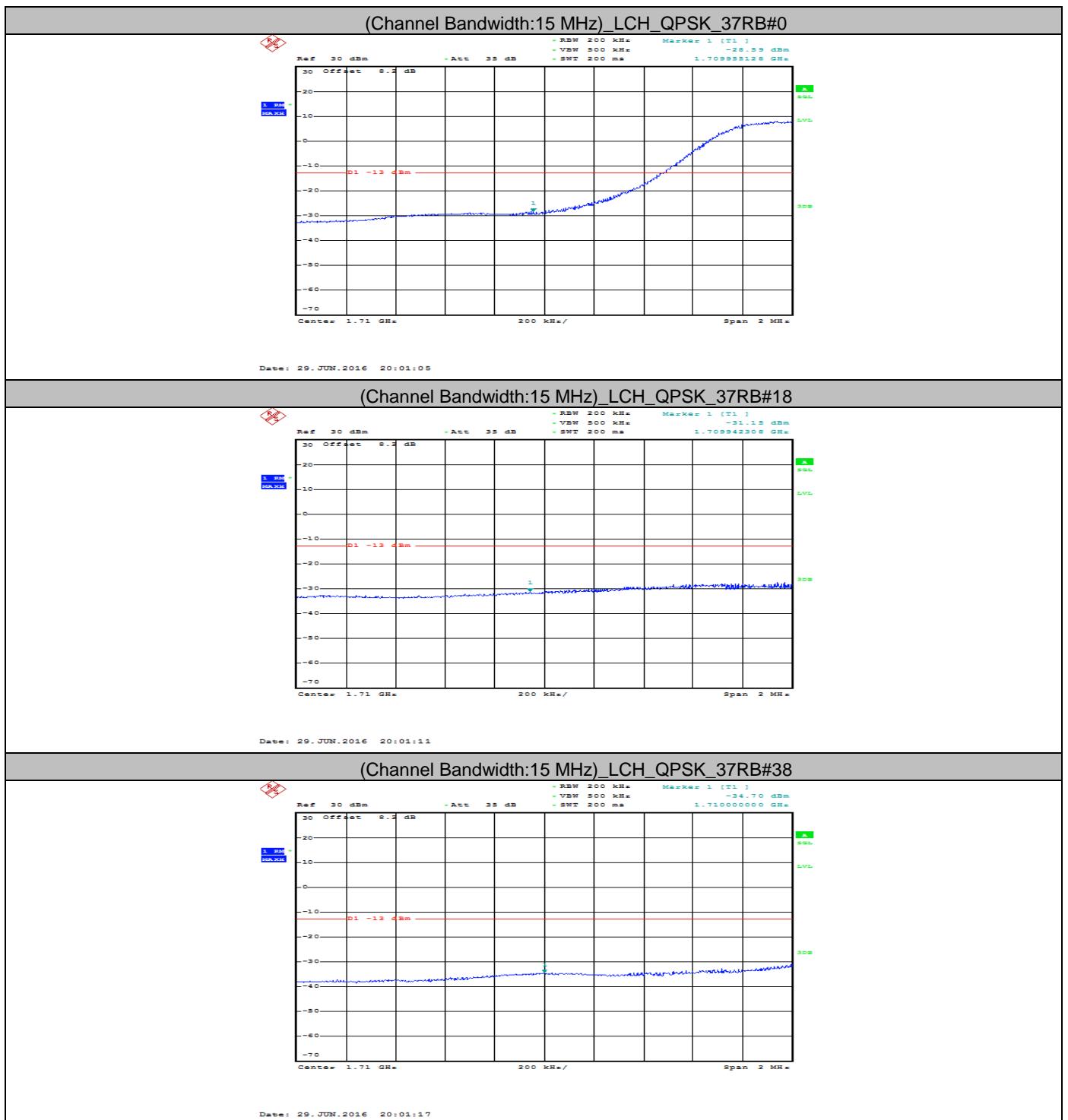


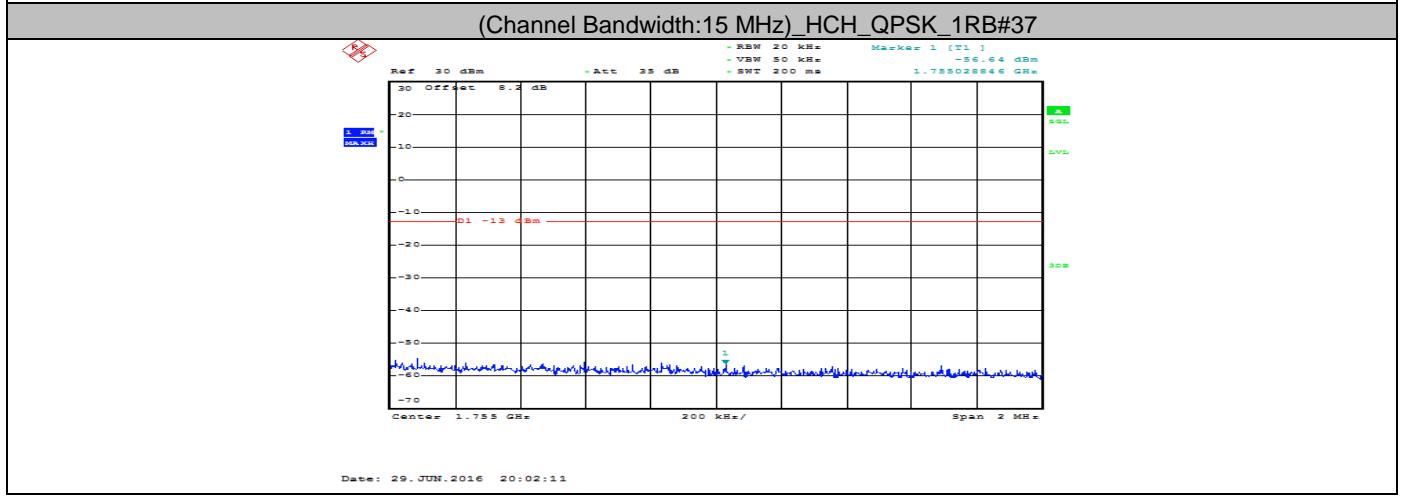
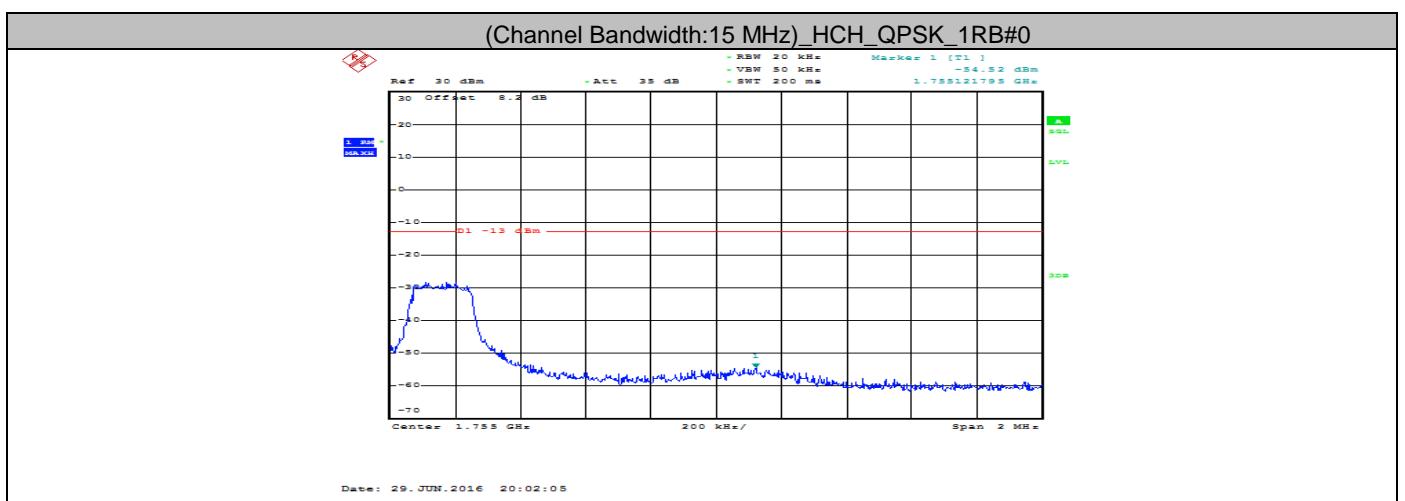
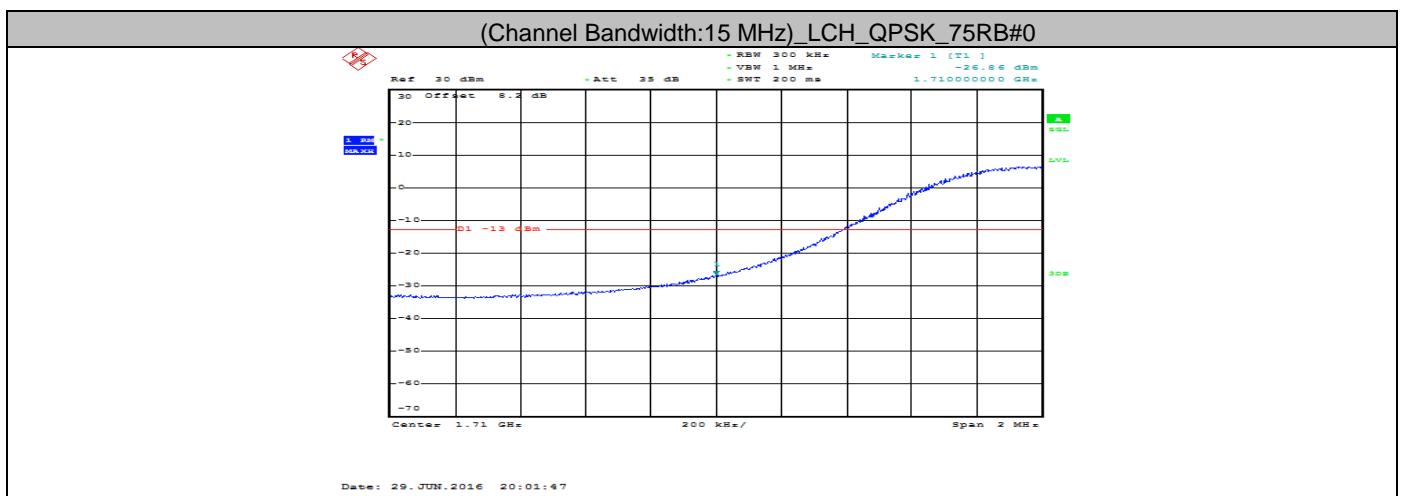


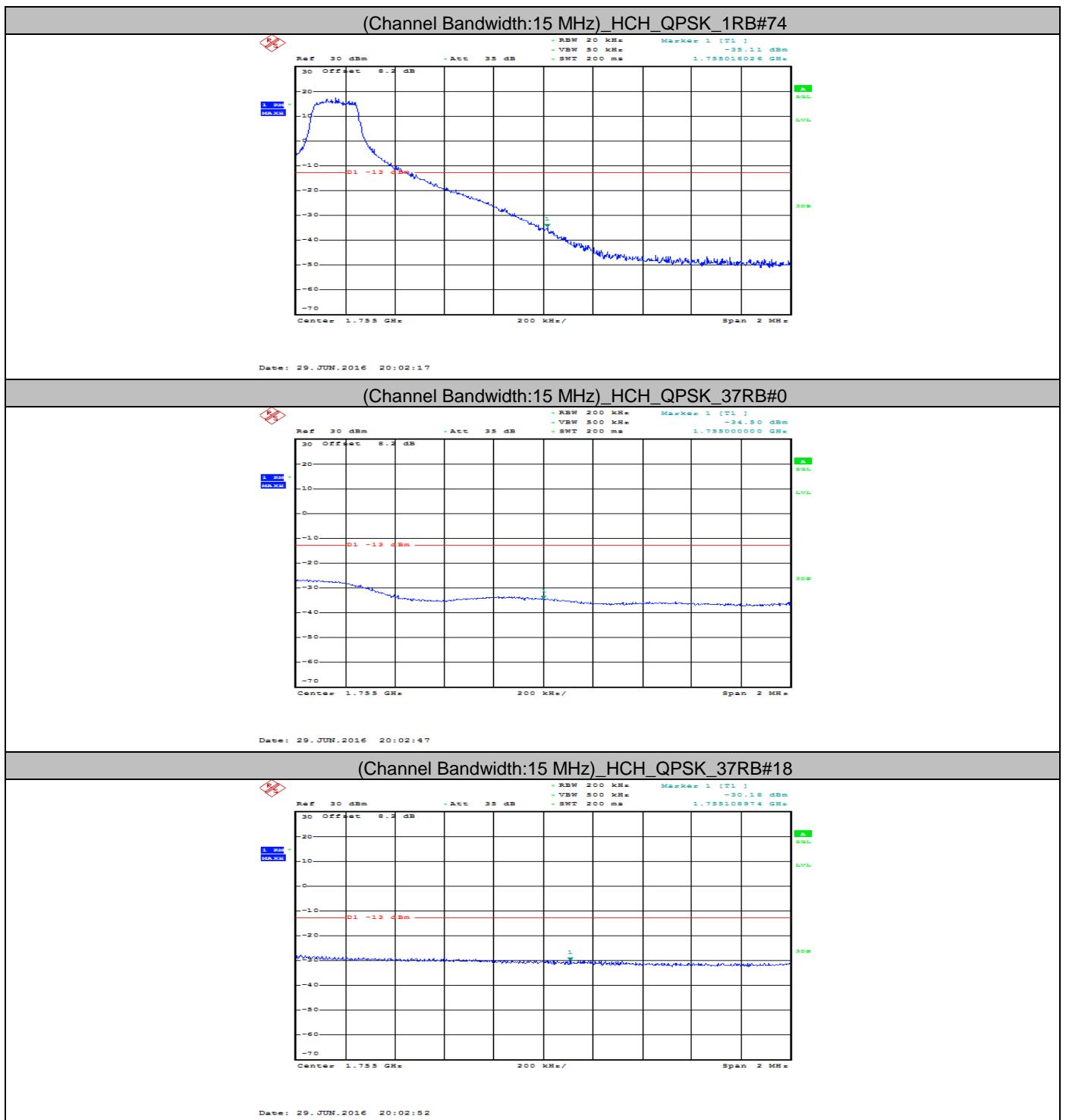


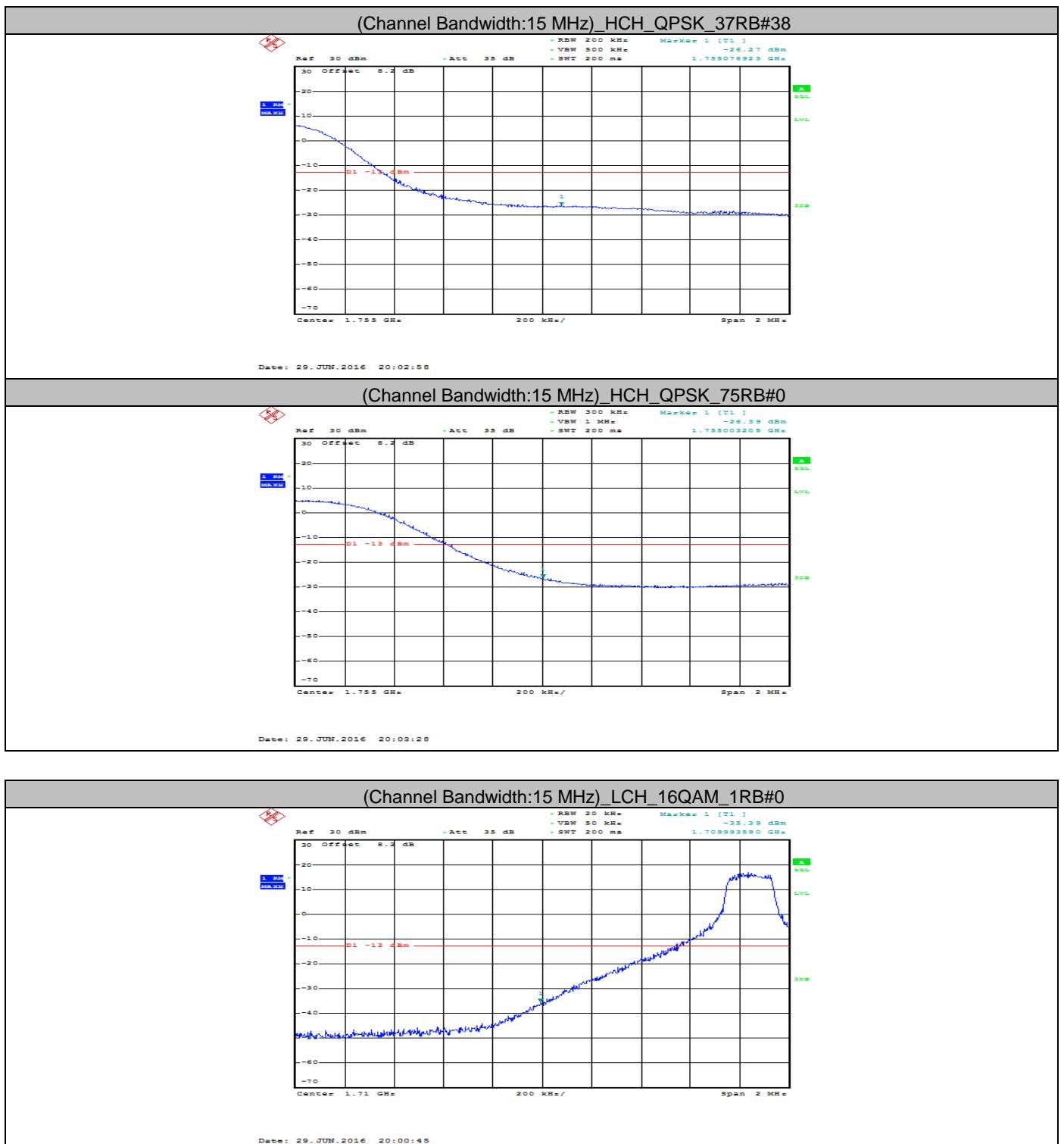
Band edge measurement
 LTE Band 4
 Channel Bandwidth: 15 MHz

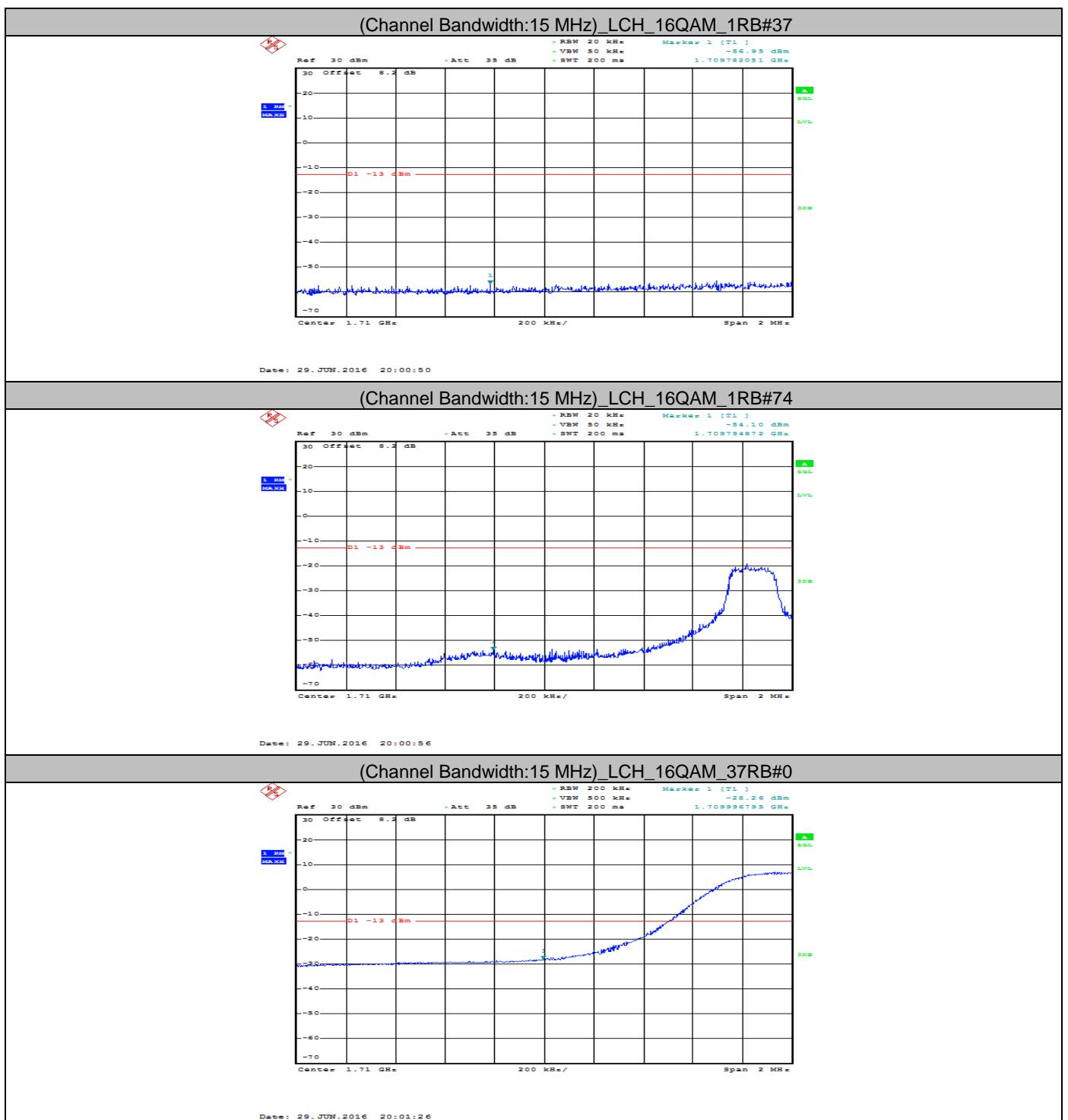


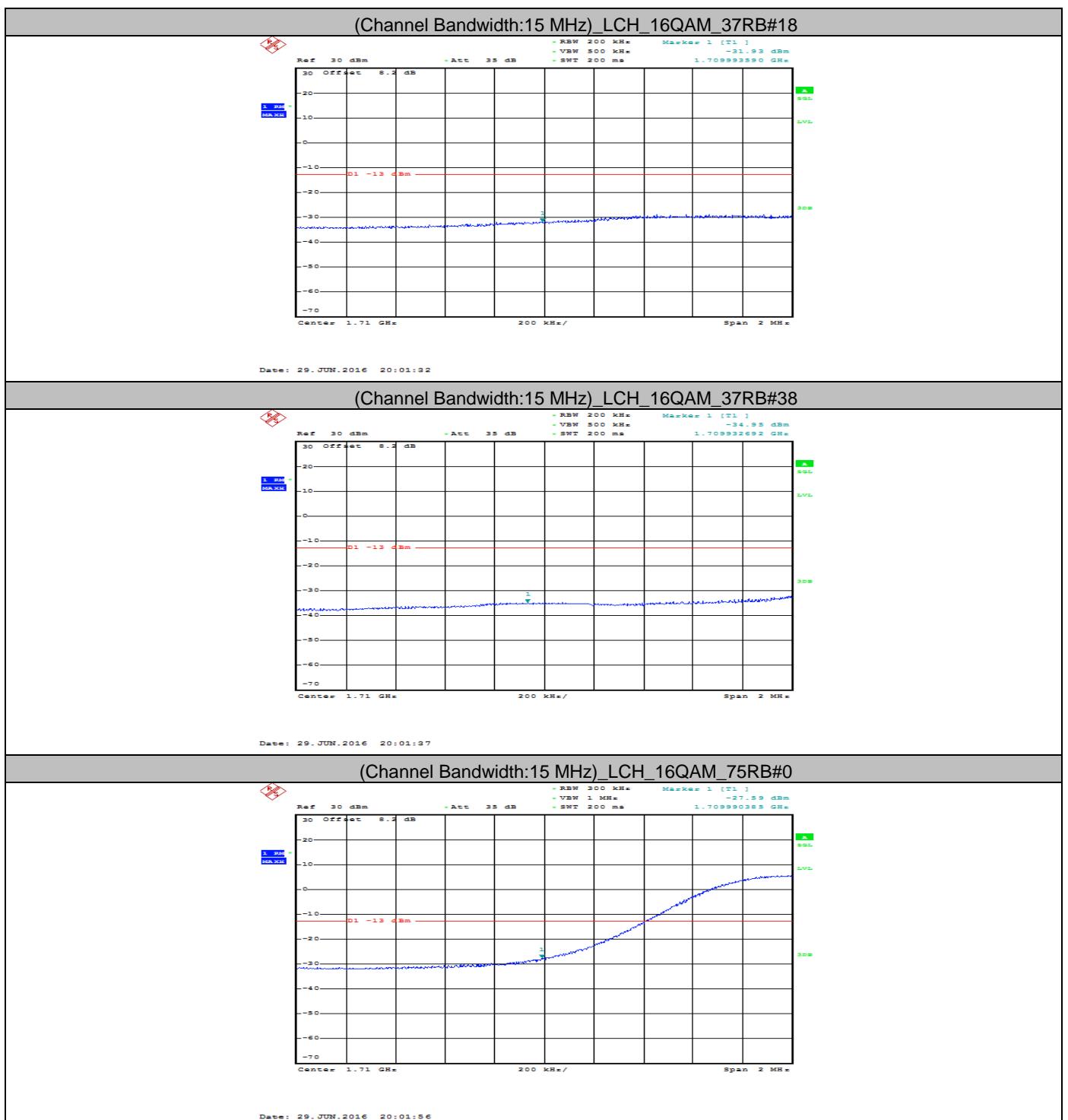


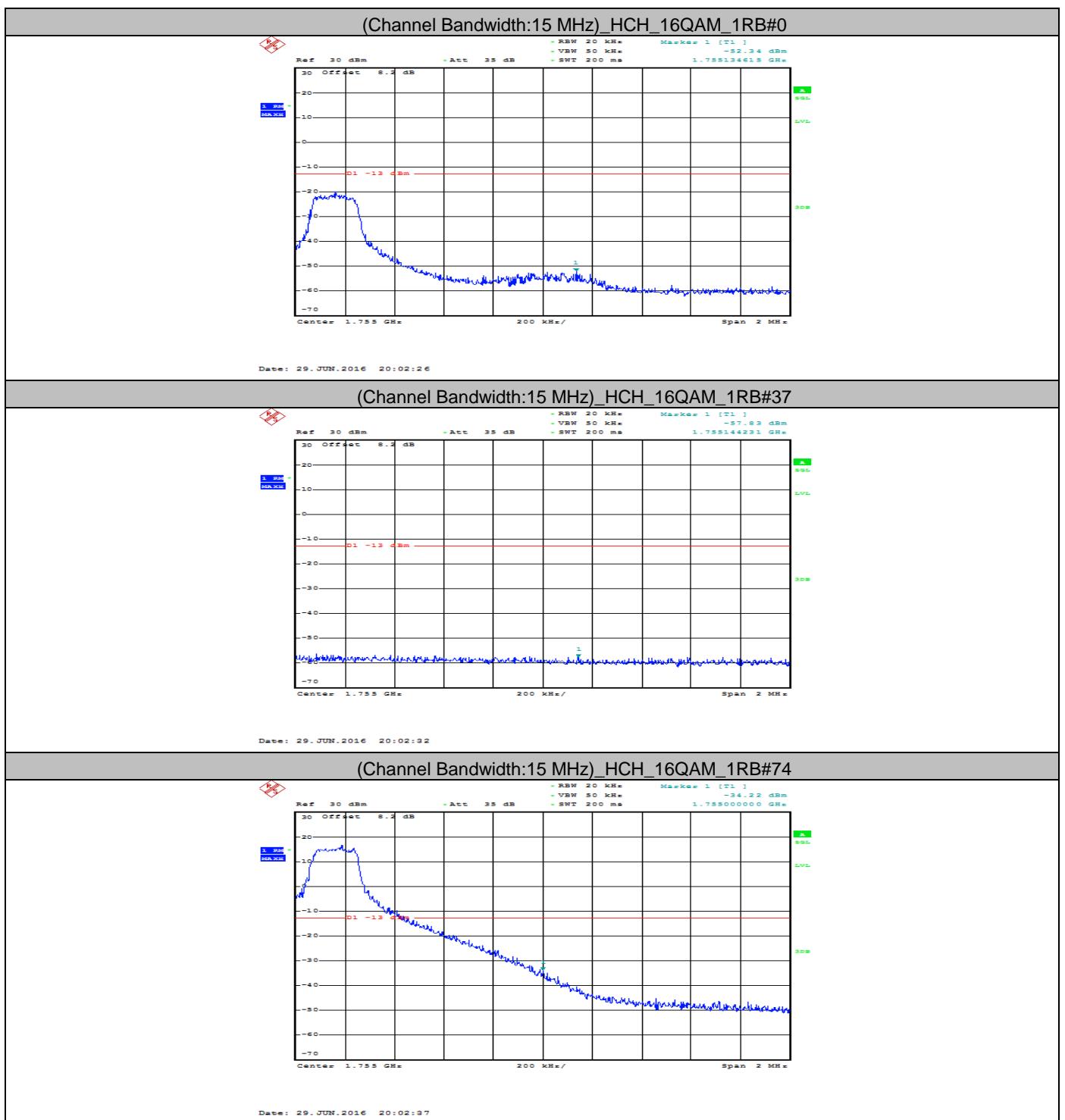


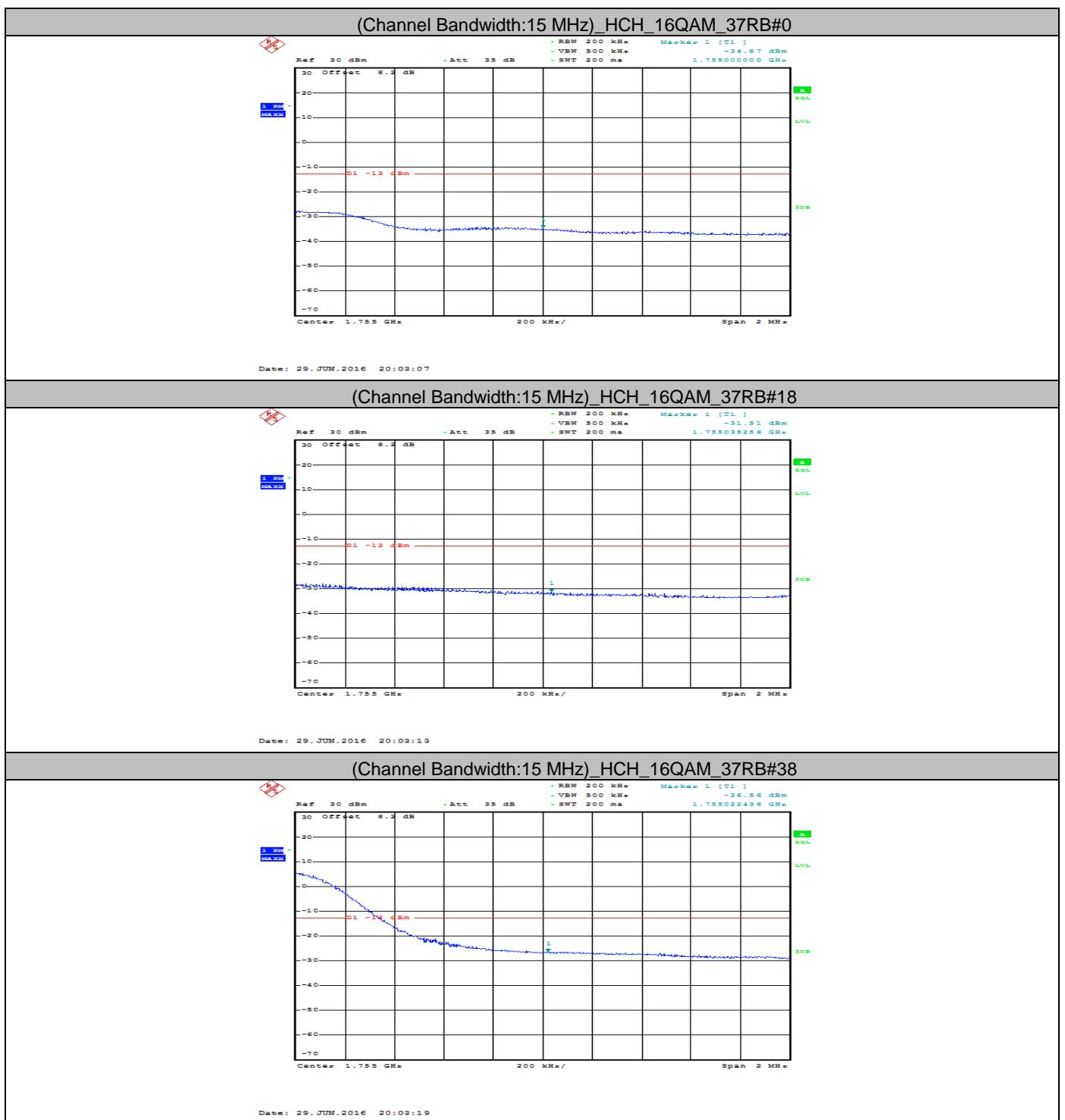


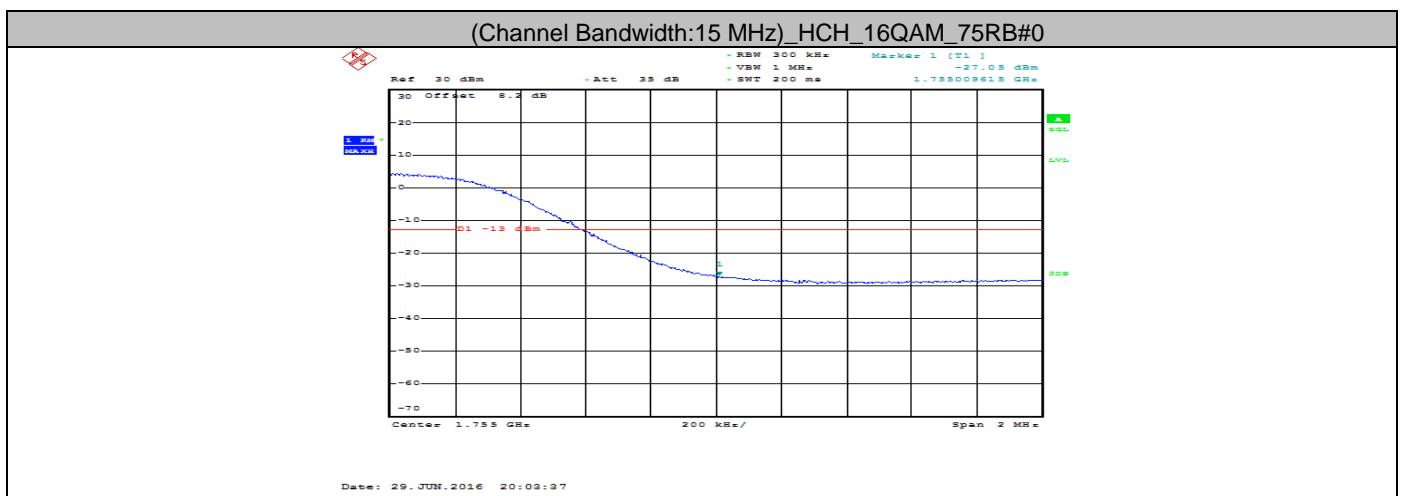




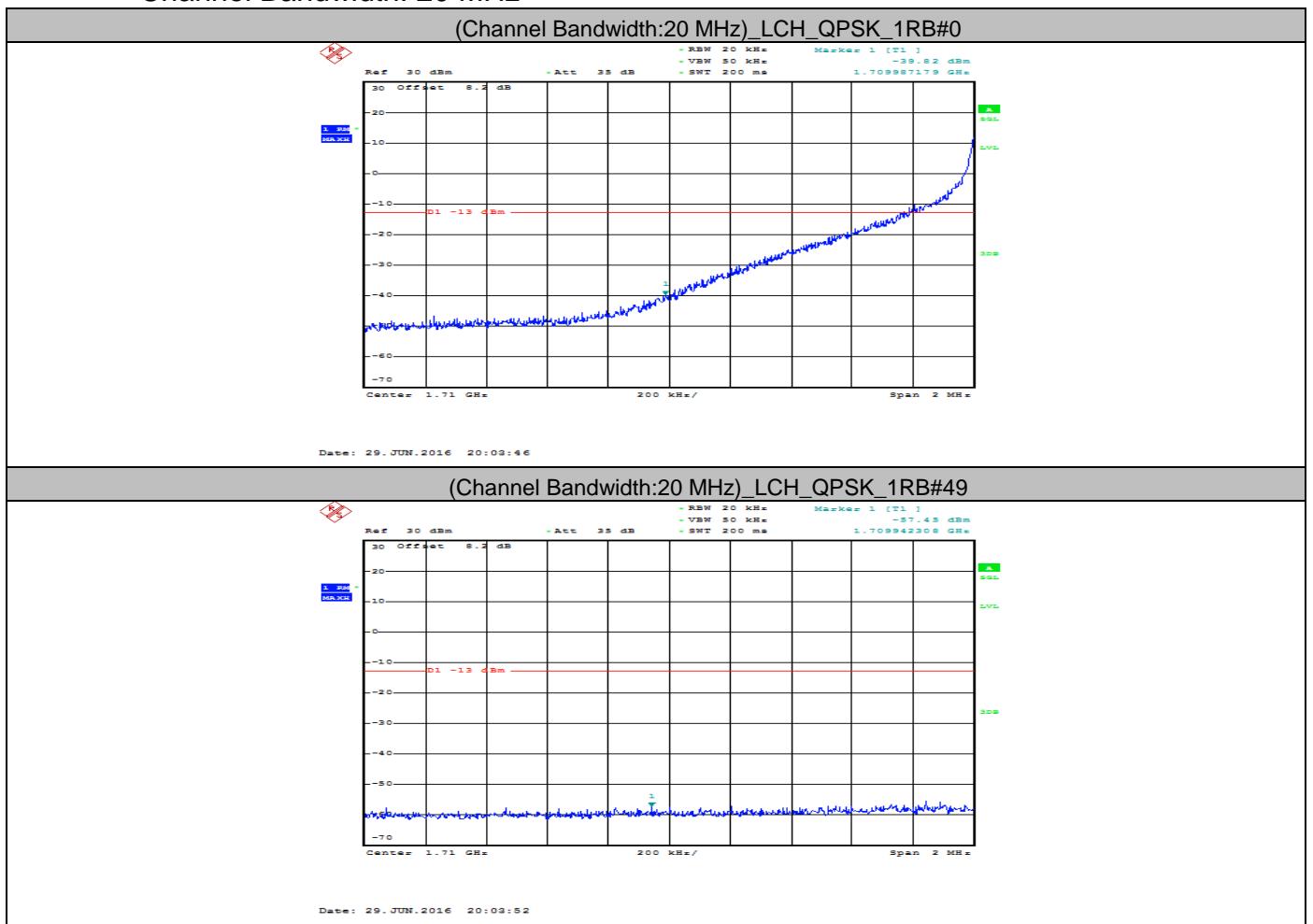


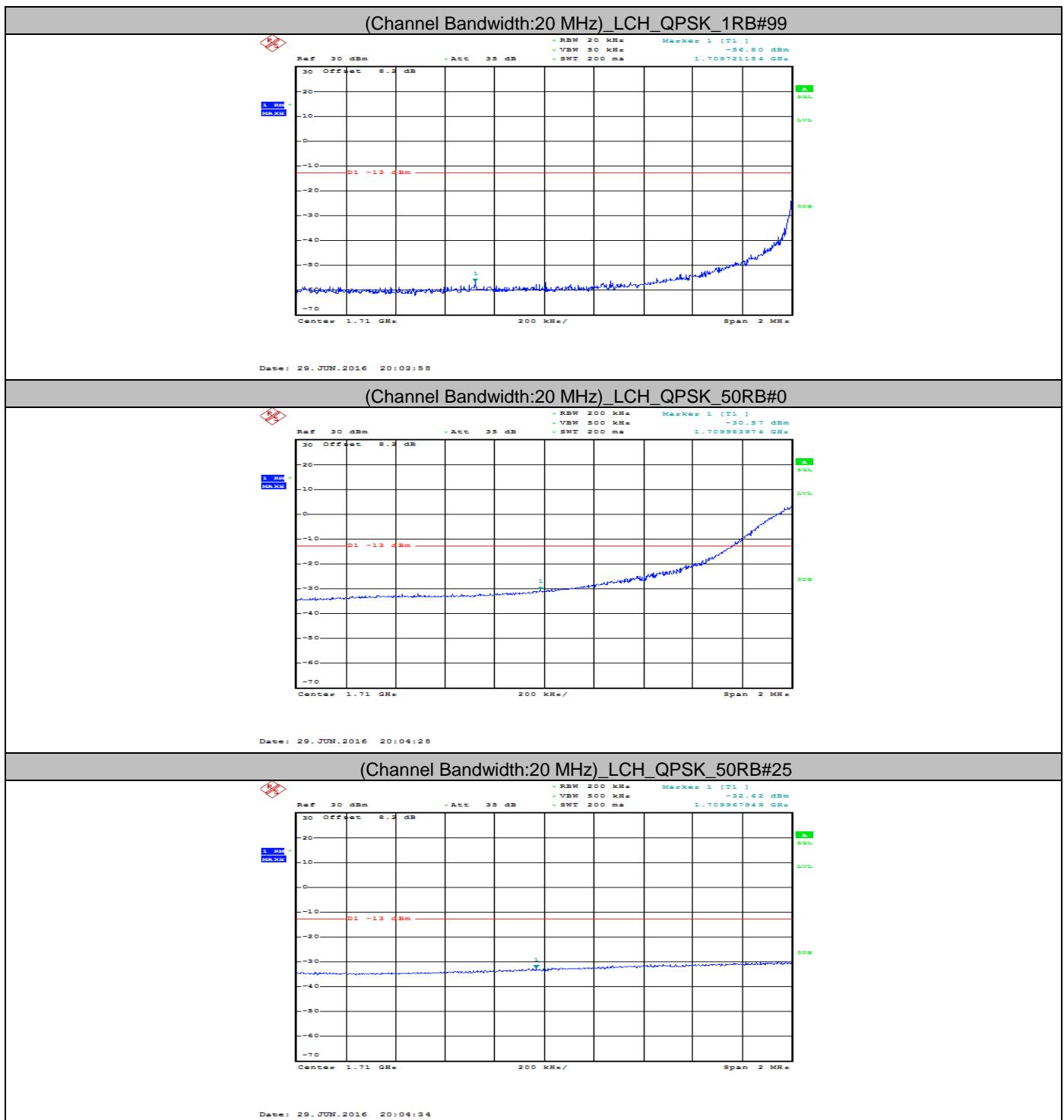


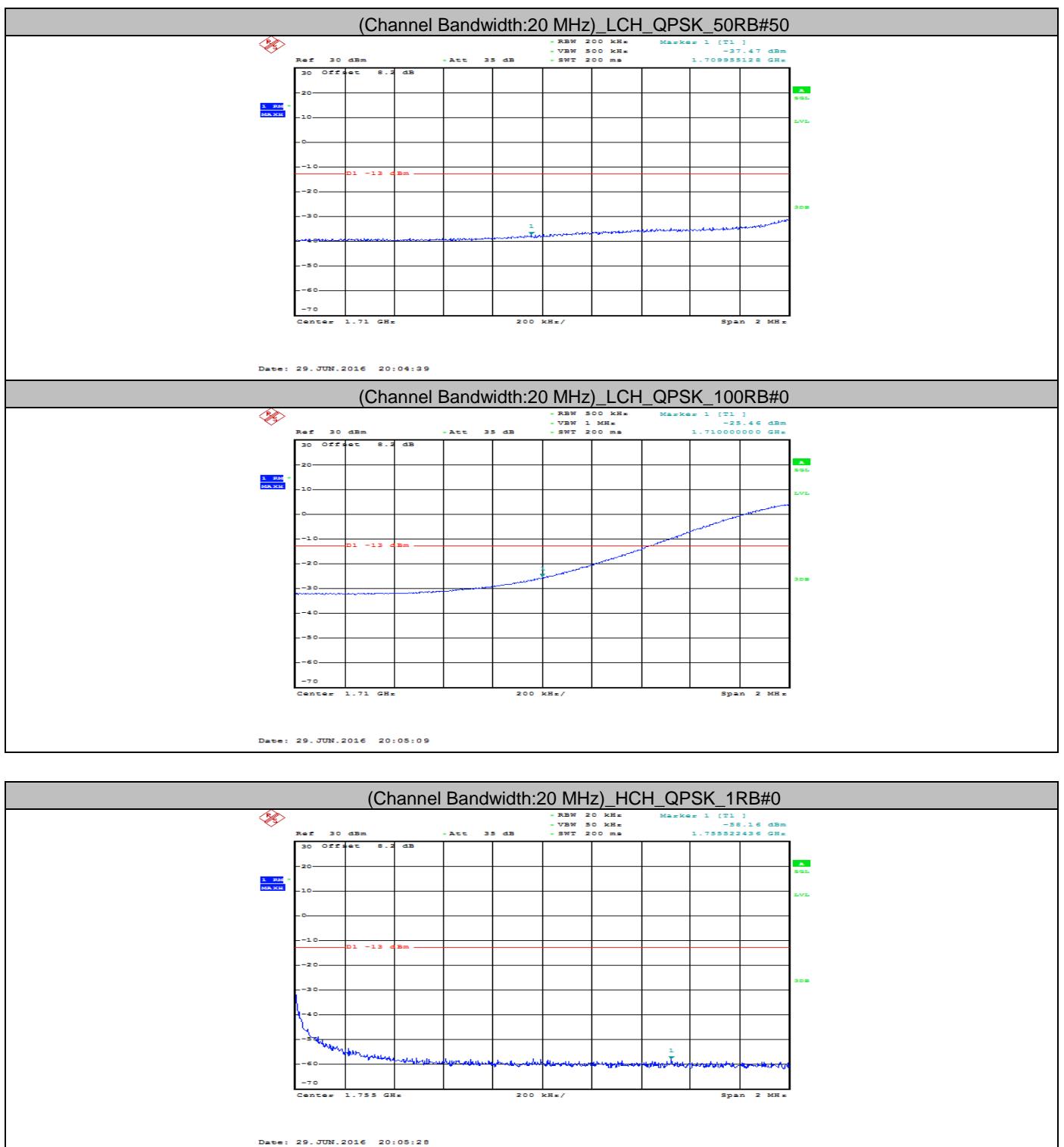


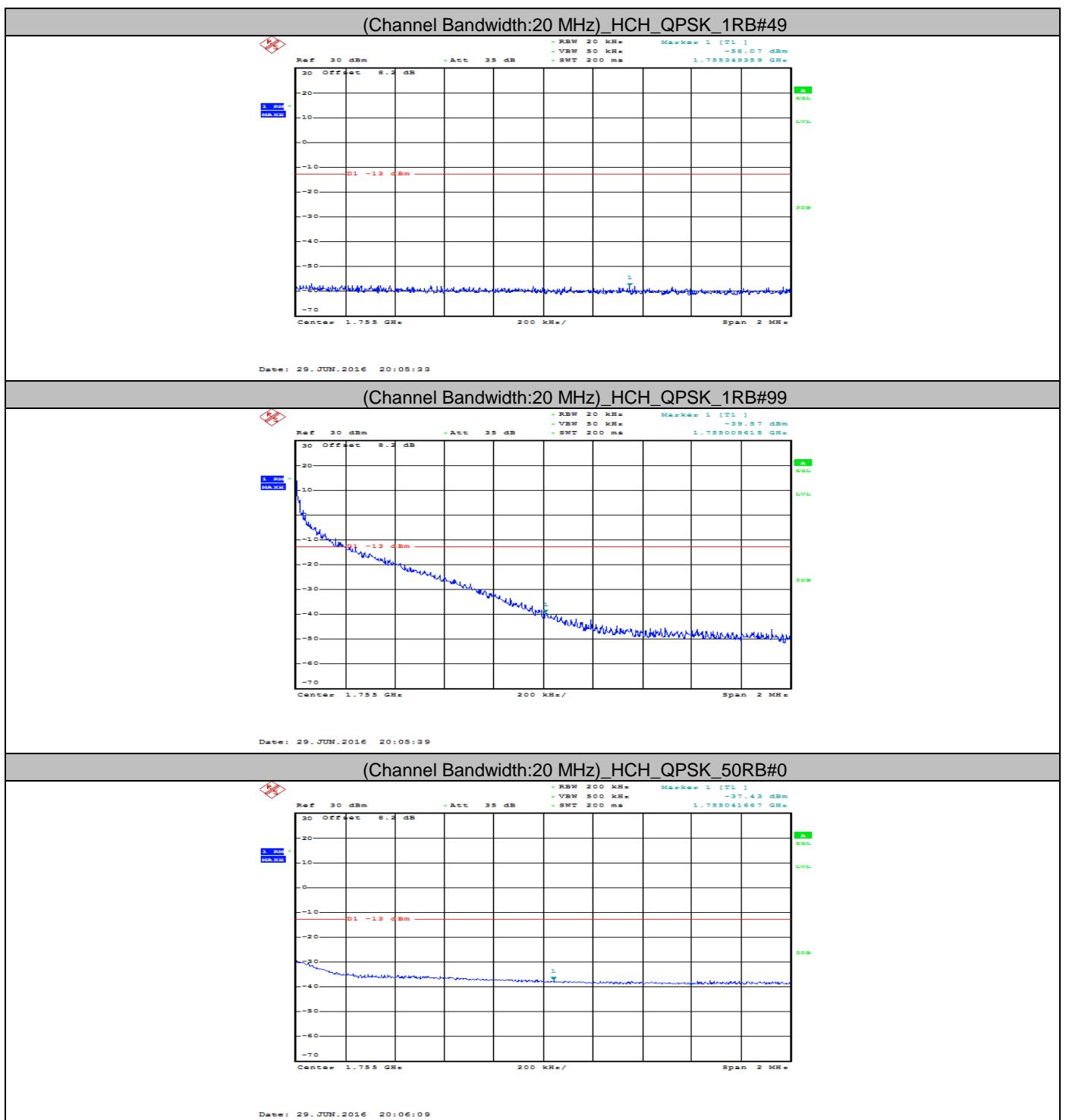


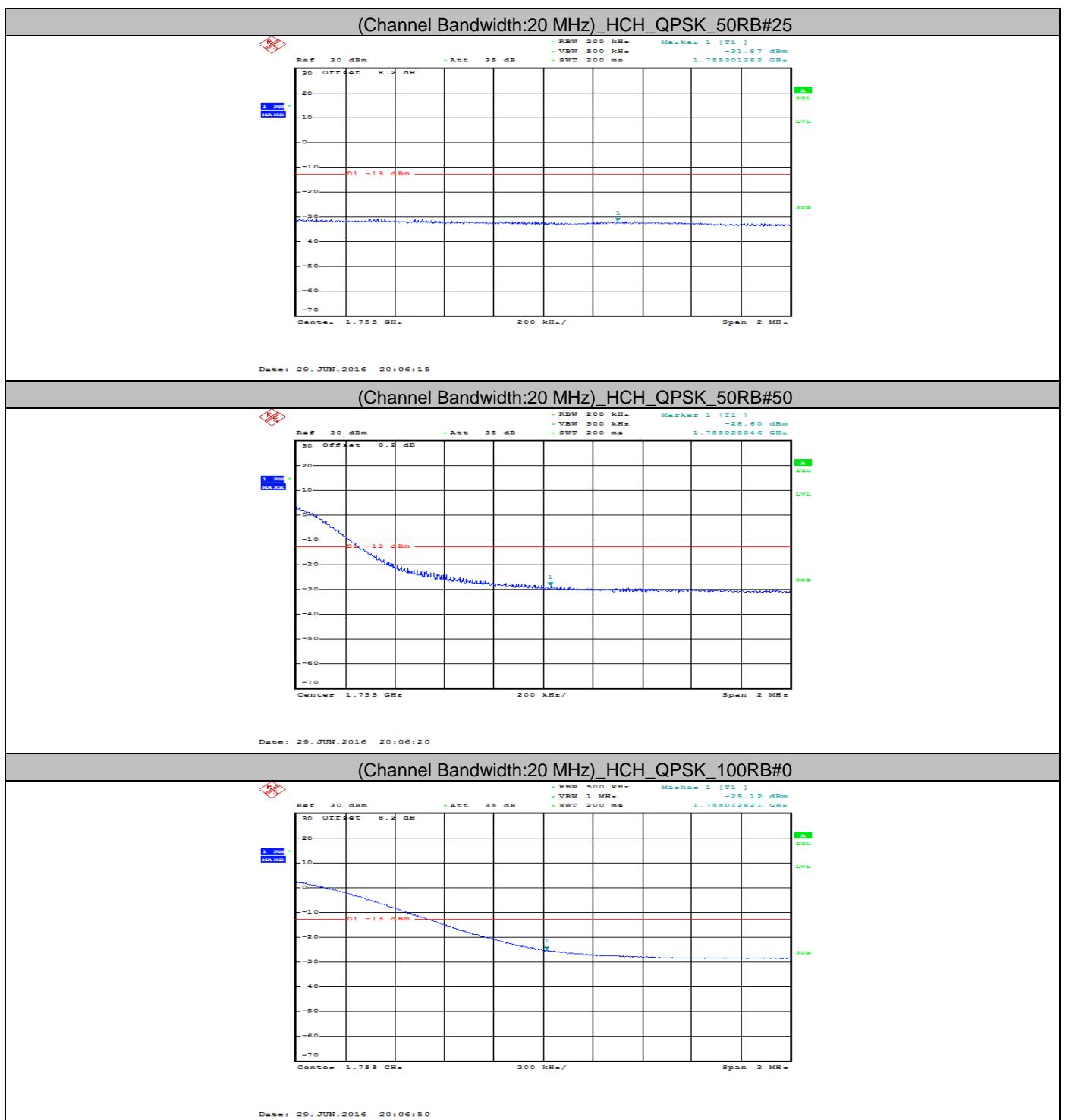
Band edge measurement
LTE Band 4
Channel Bandwidth: 20 MHz

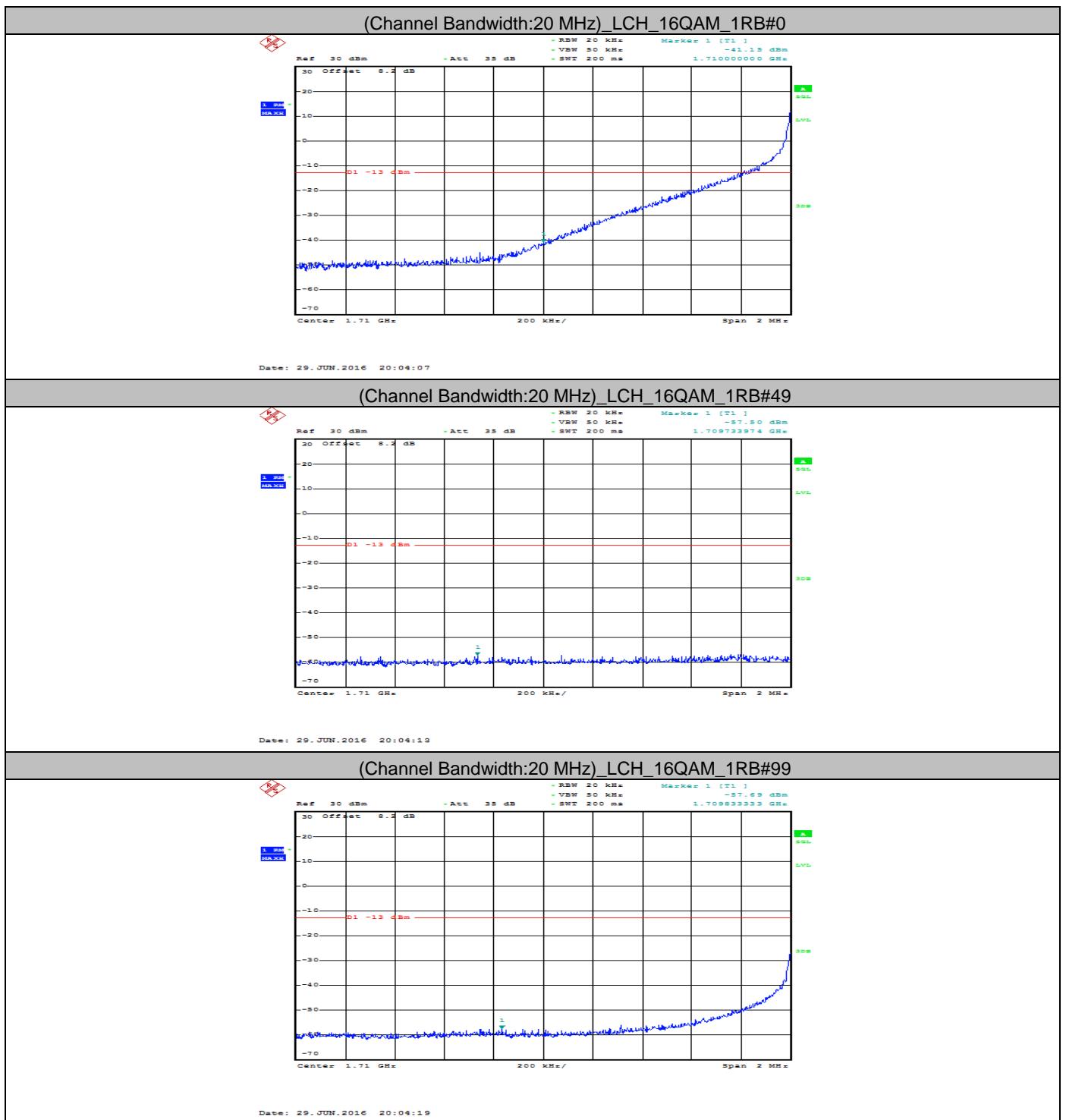


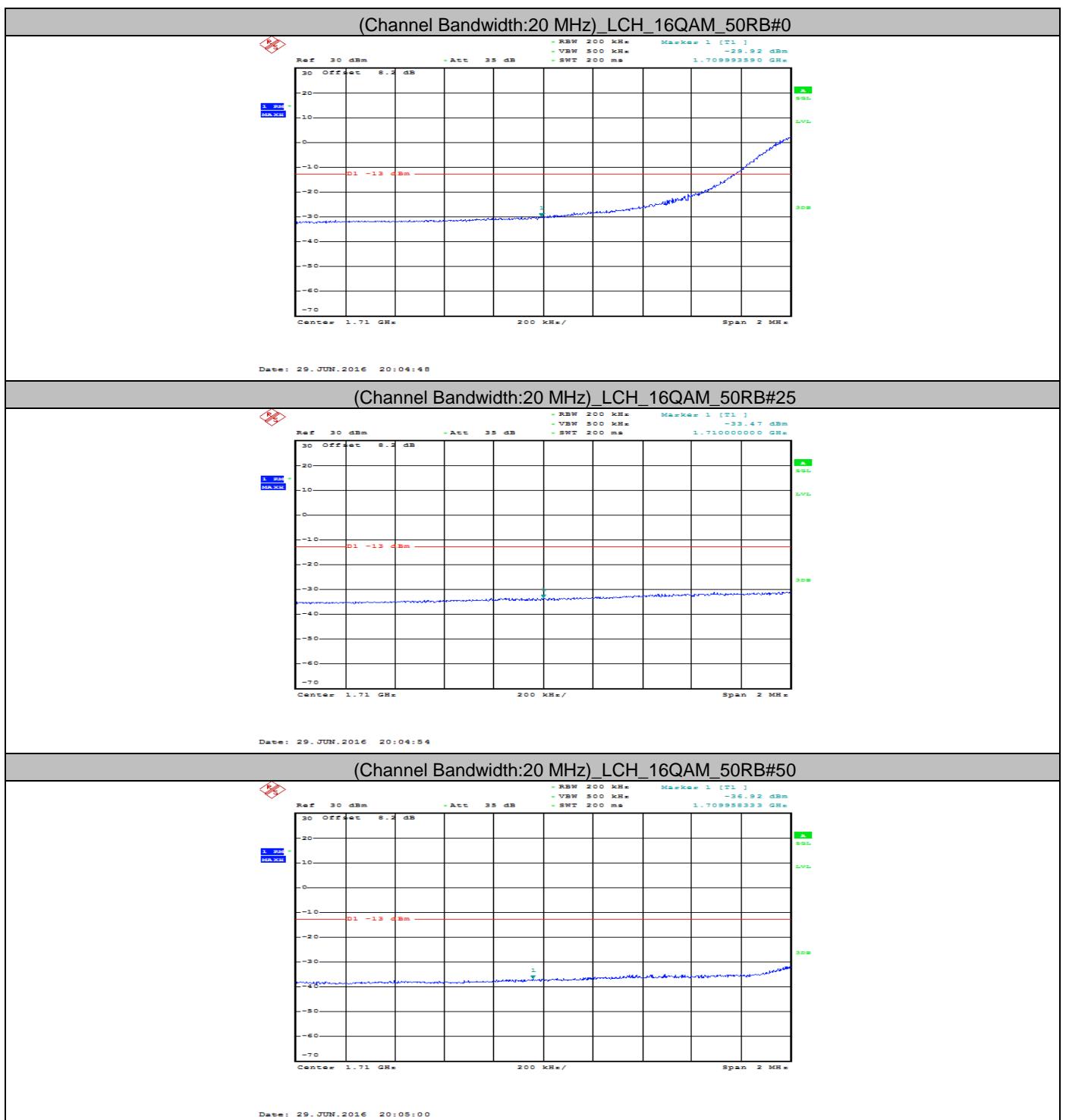


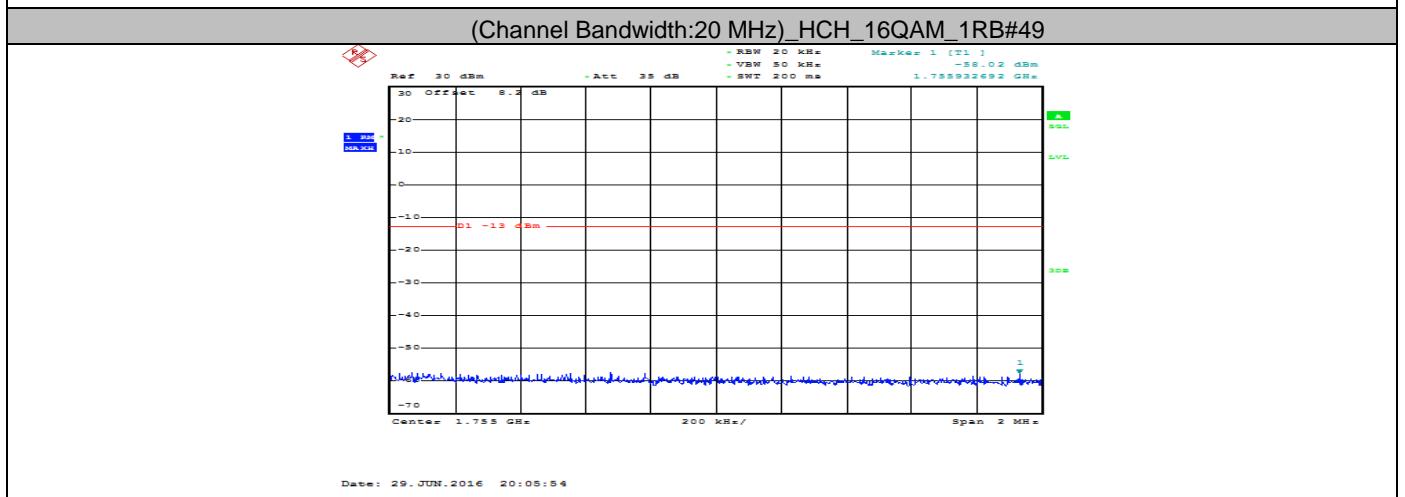
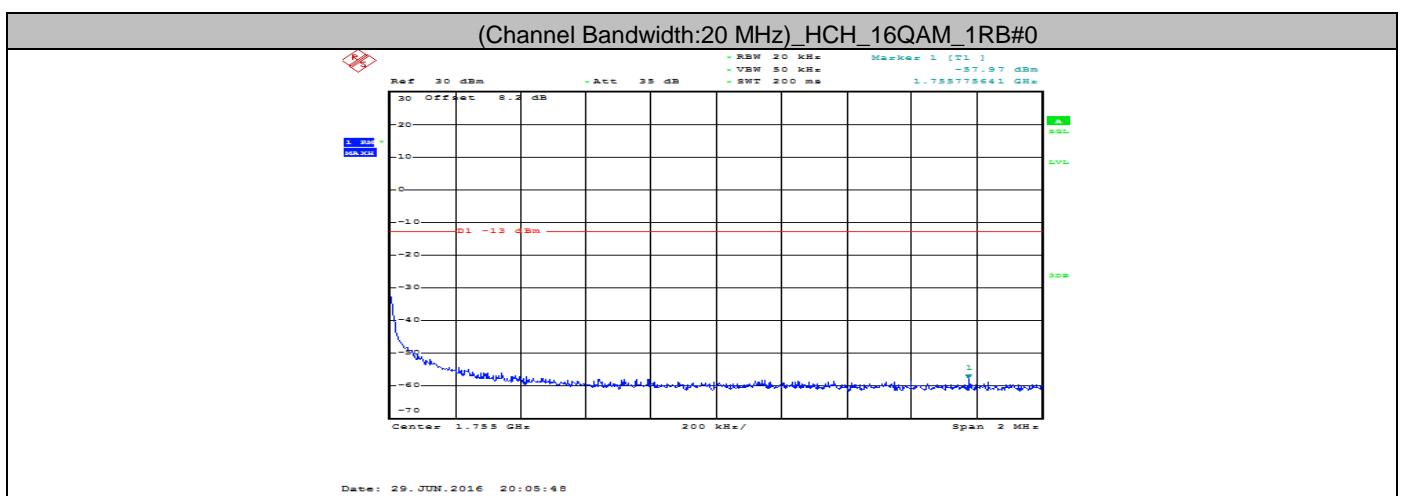
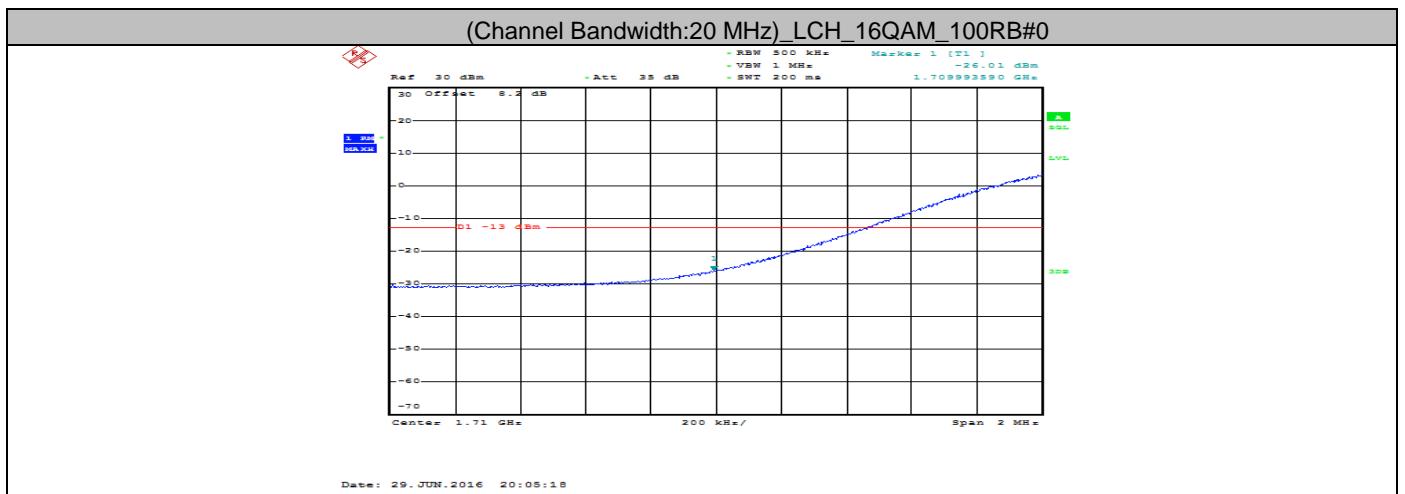


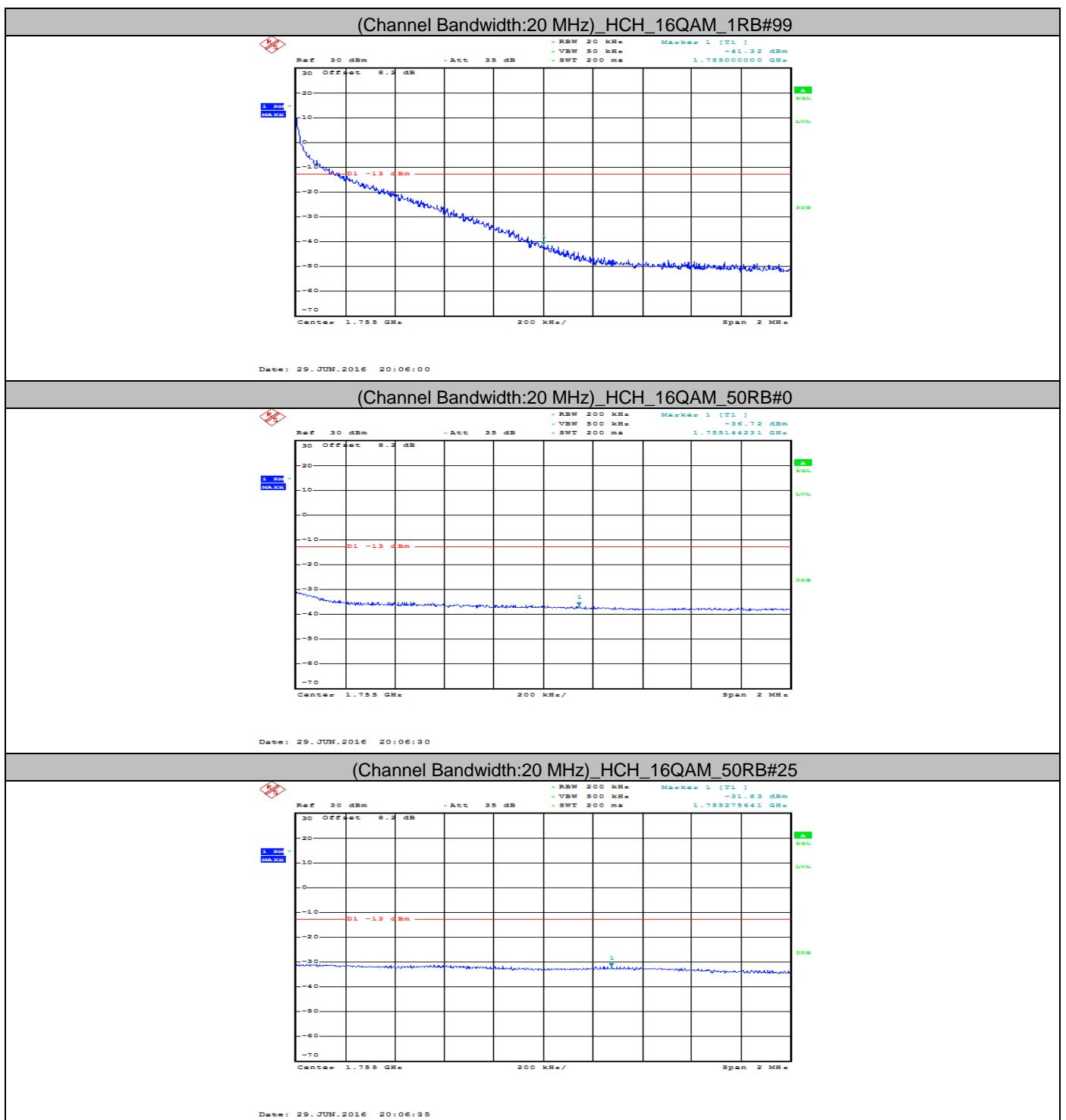


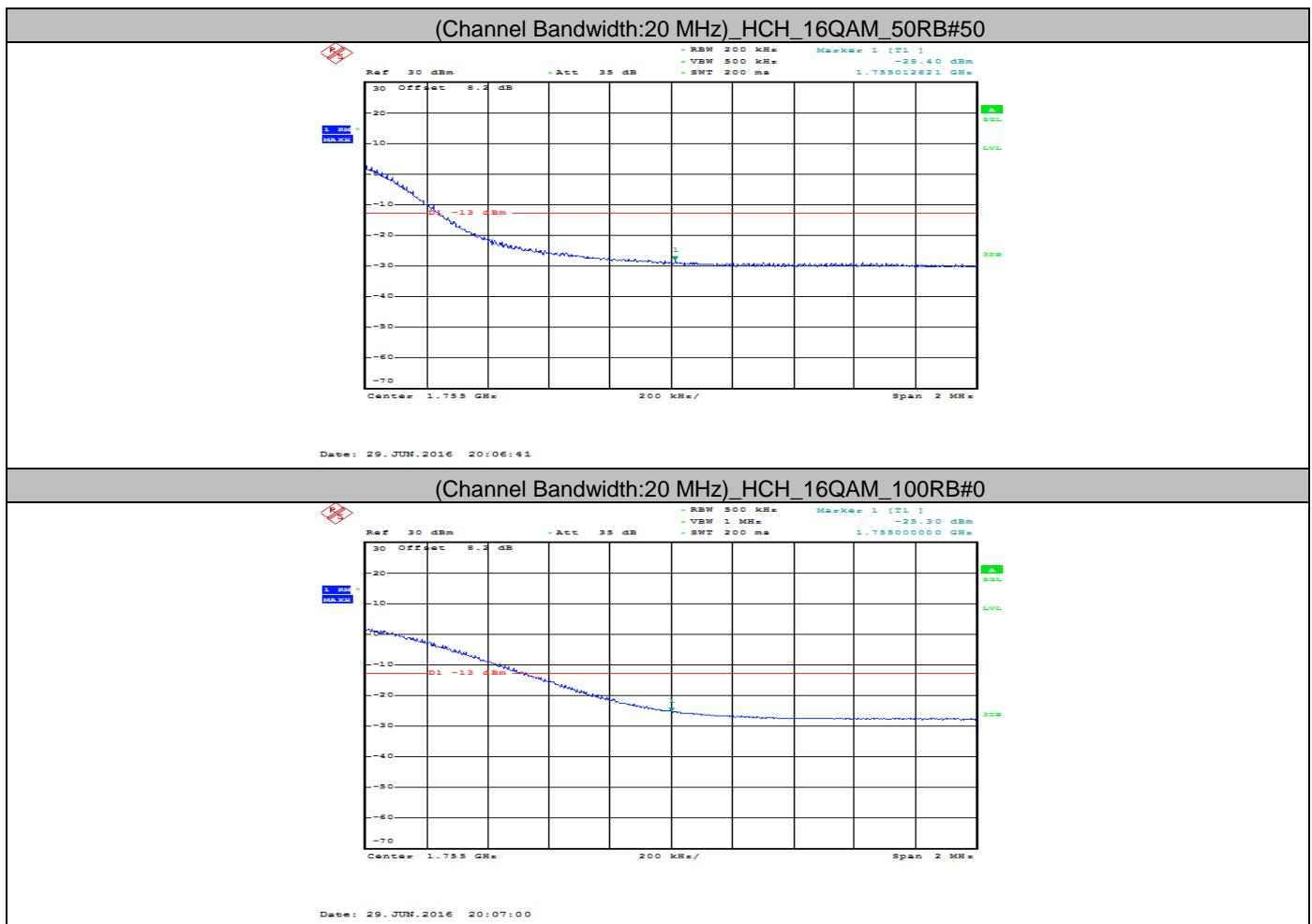




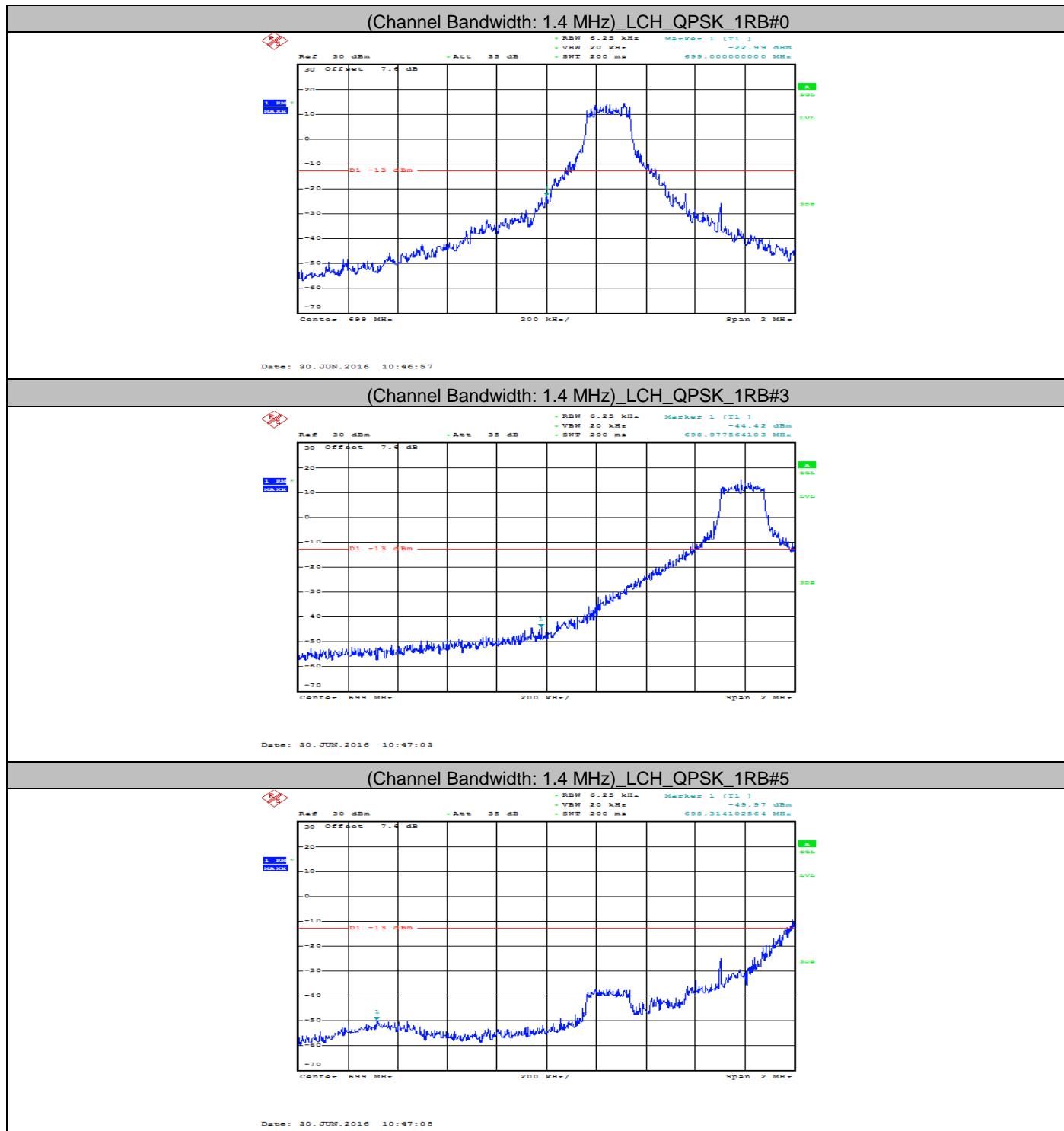


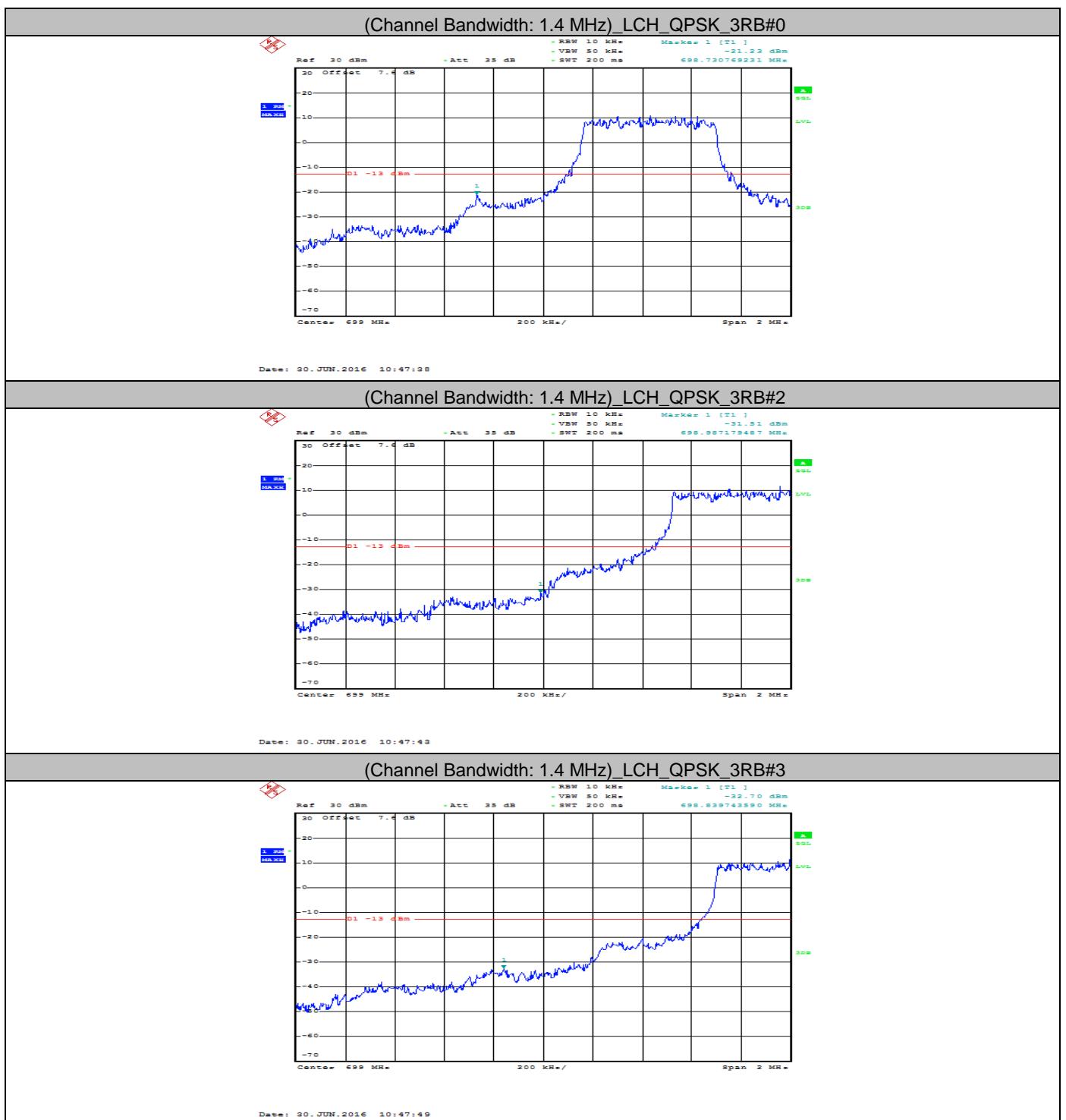


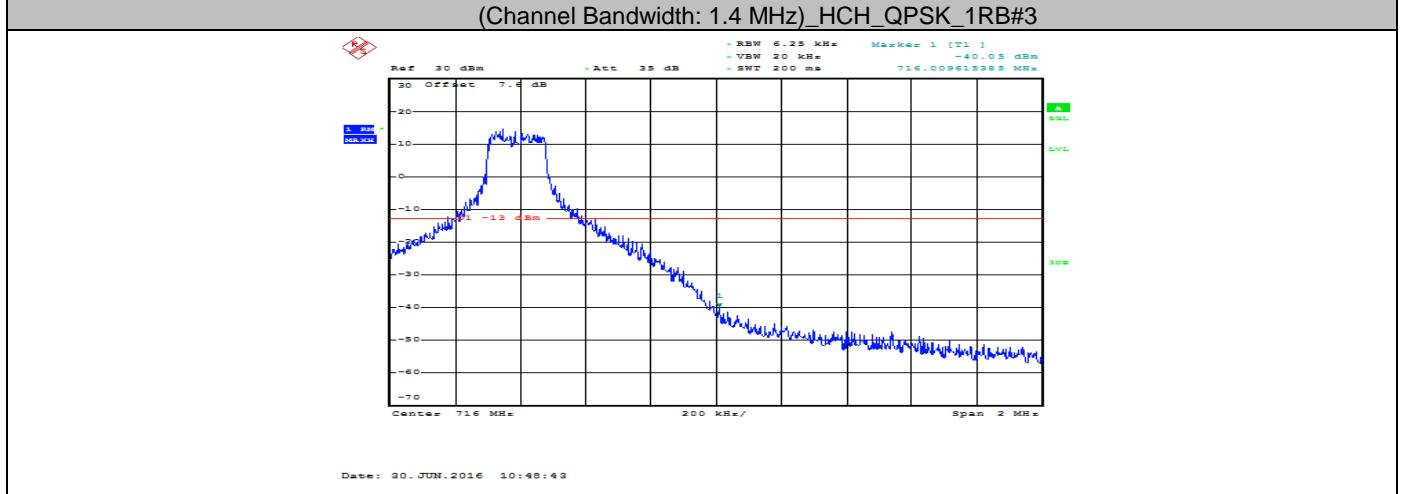
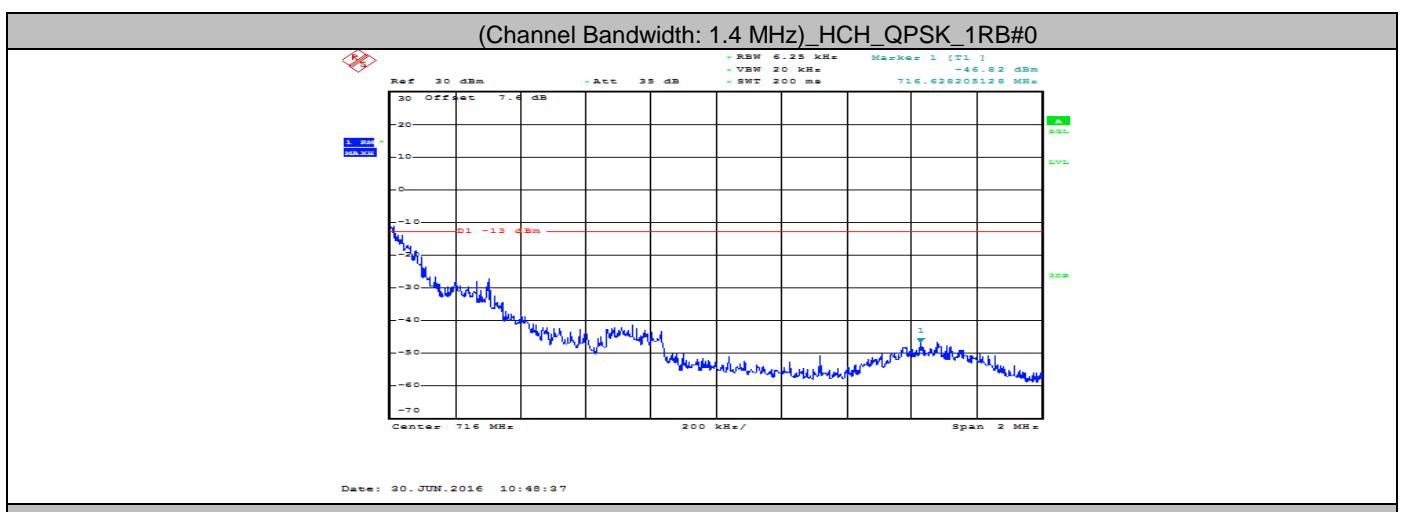
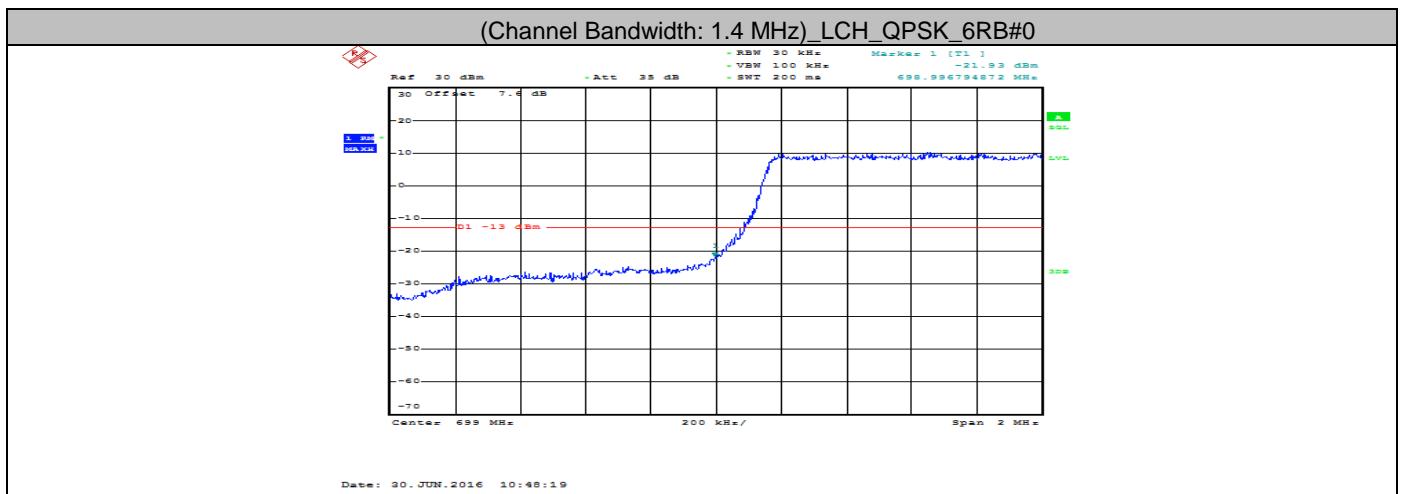


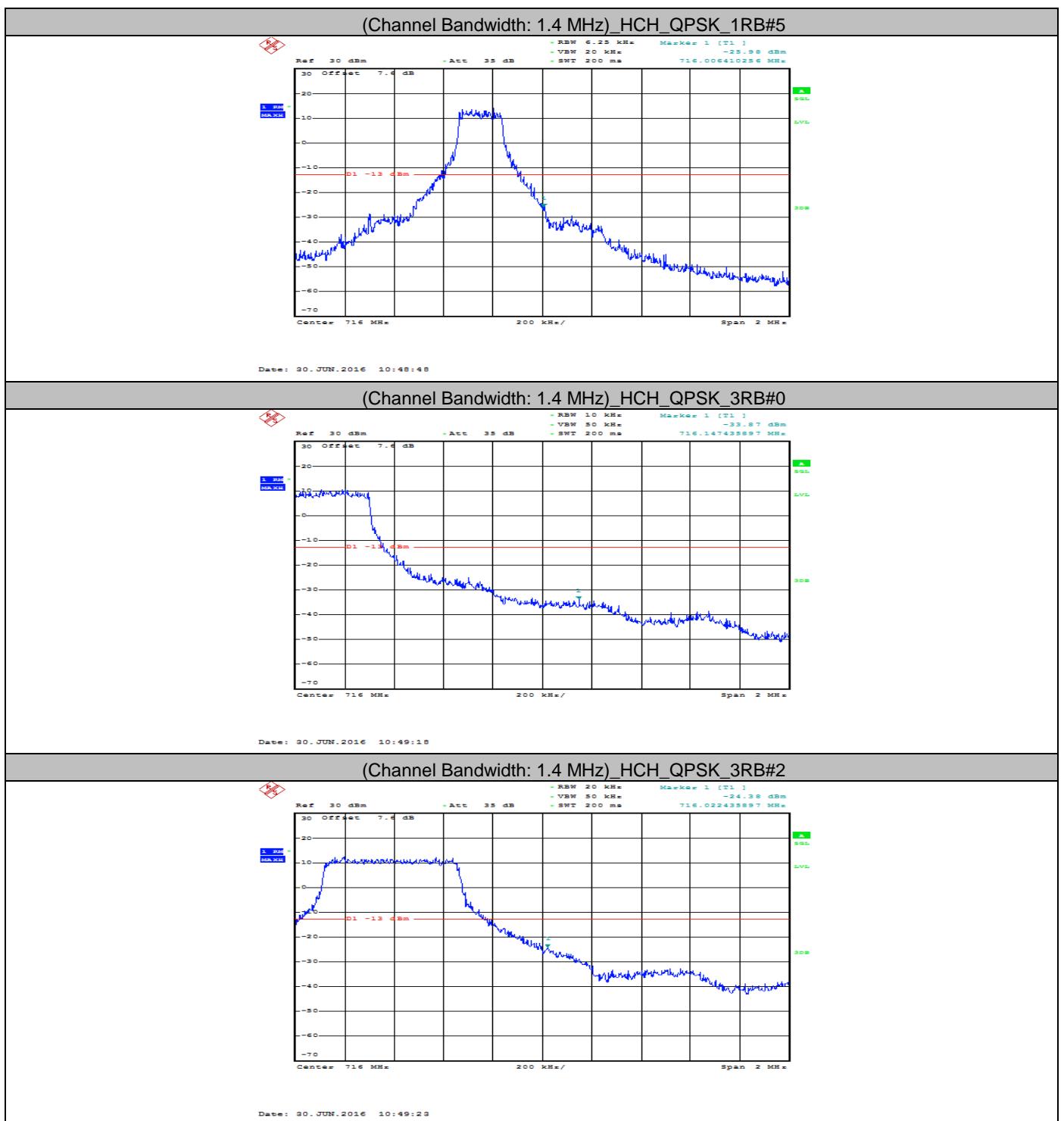


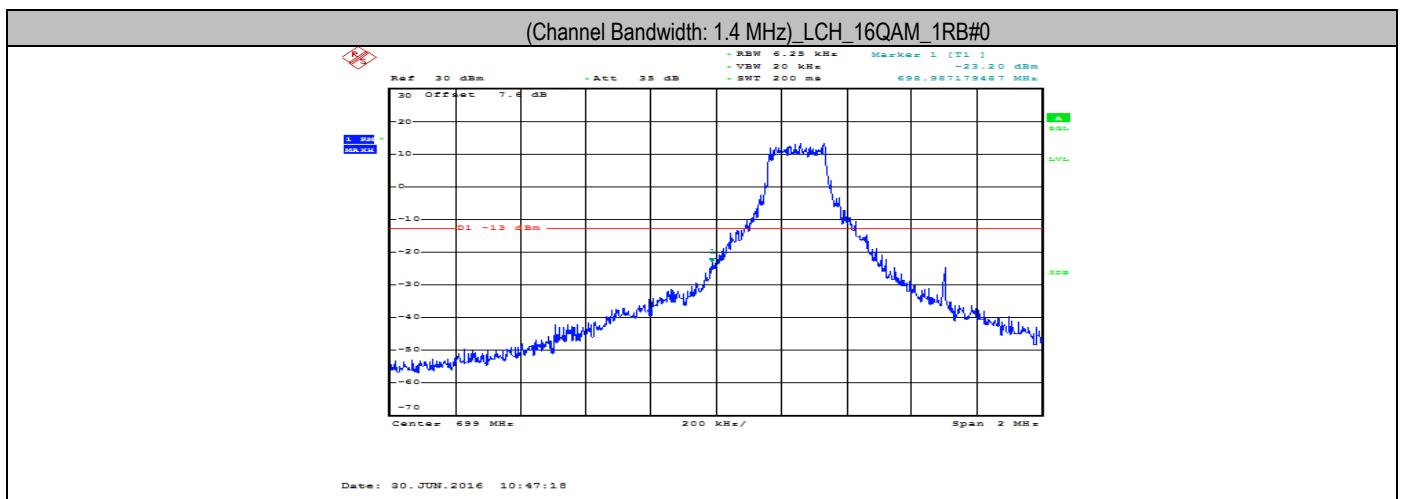
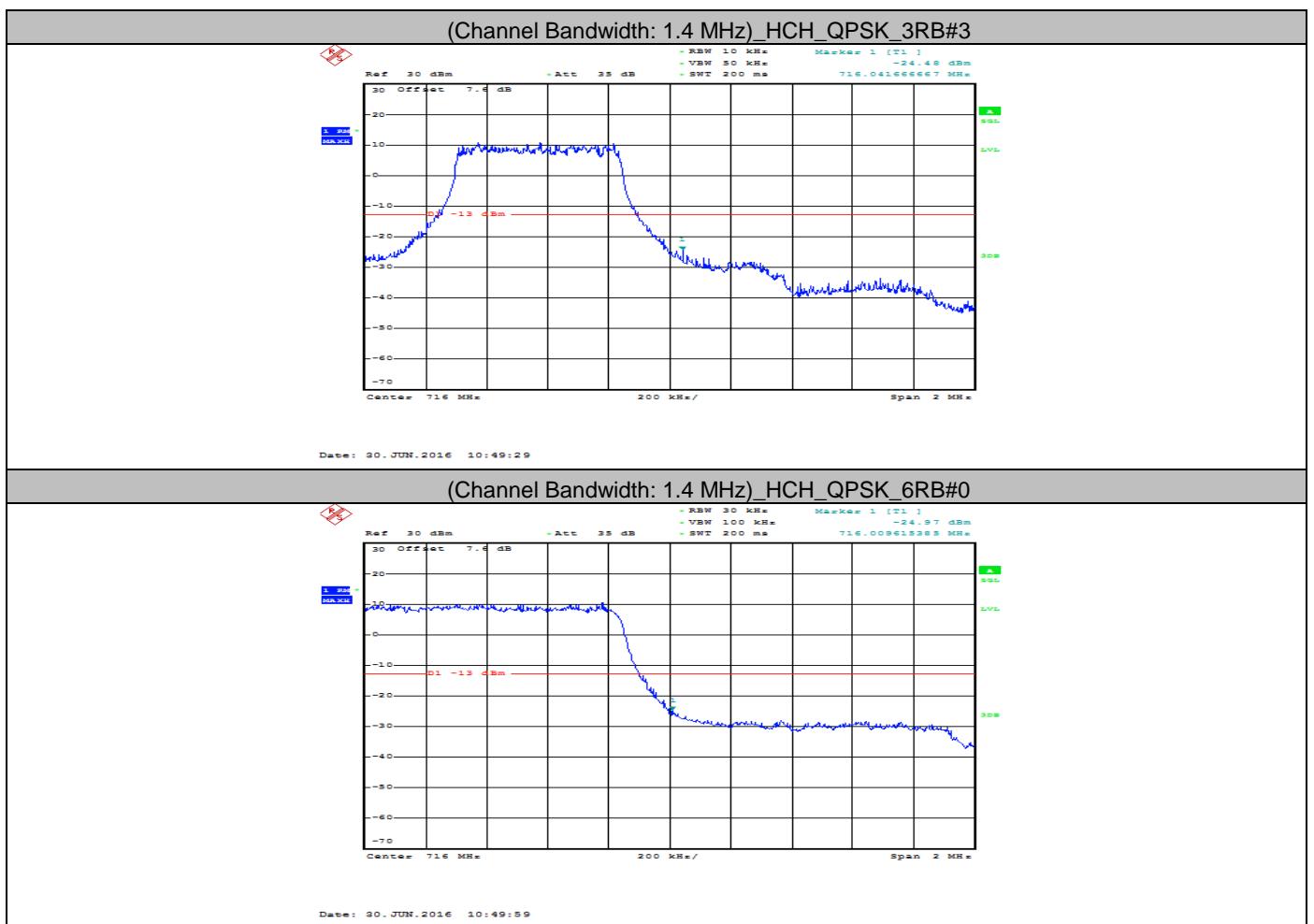
Band edge measurement
 LTE Band 12
 Channel Bandwidth: 1.4 MHz

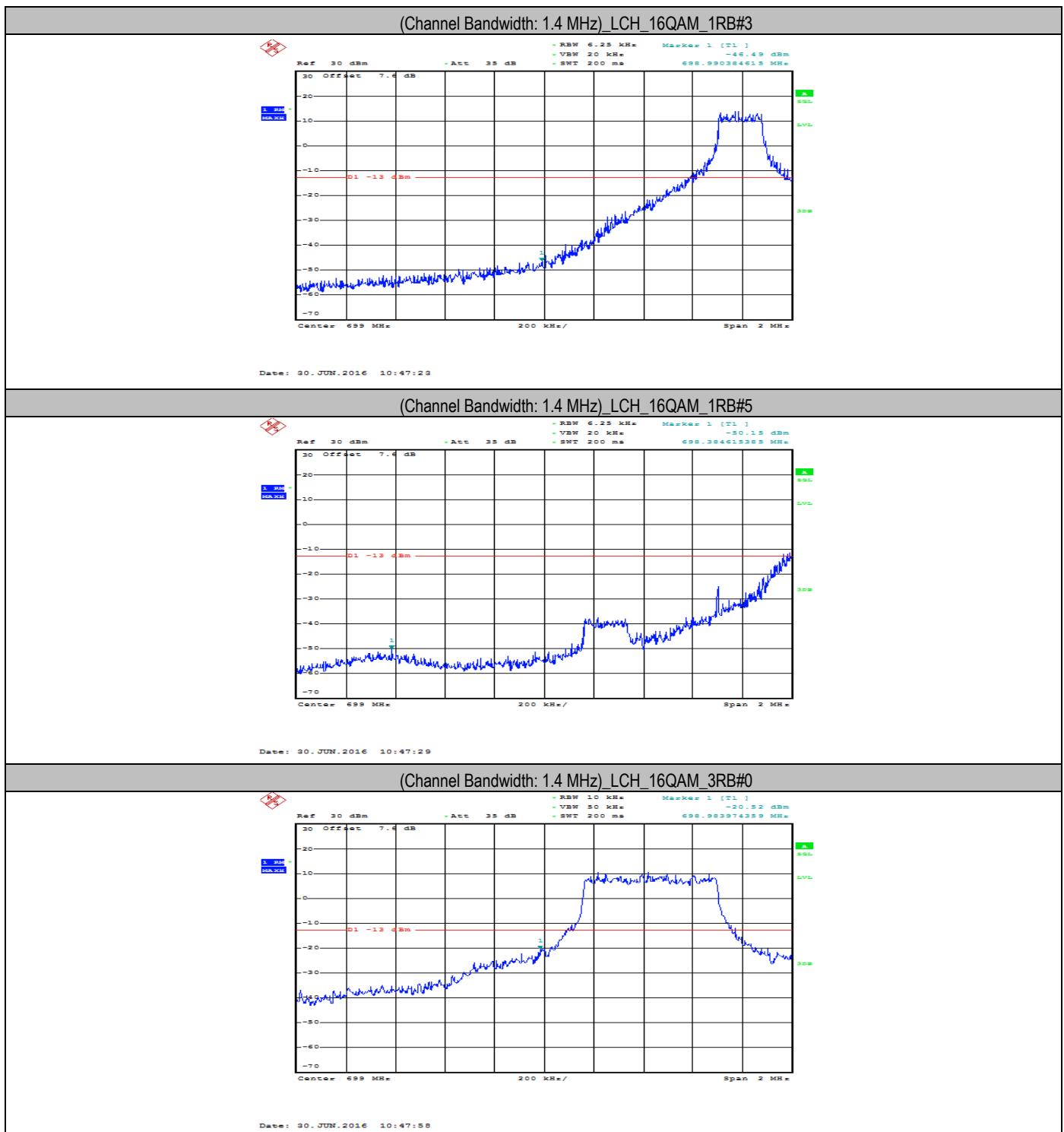


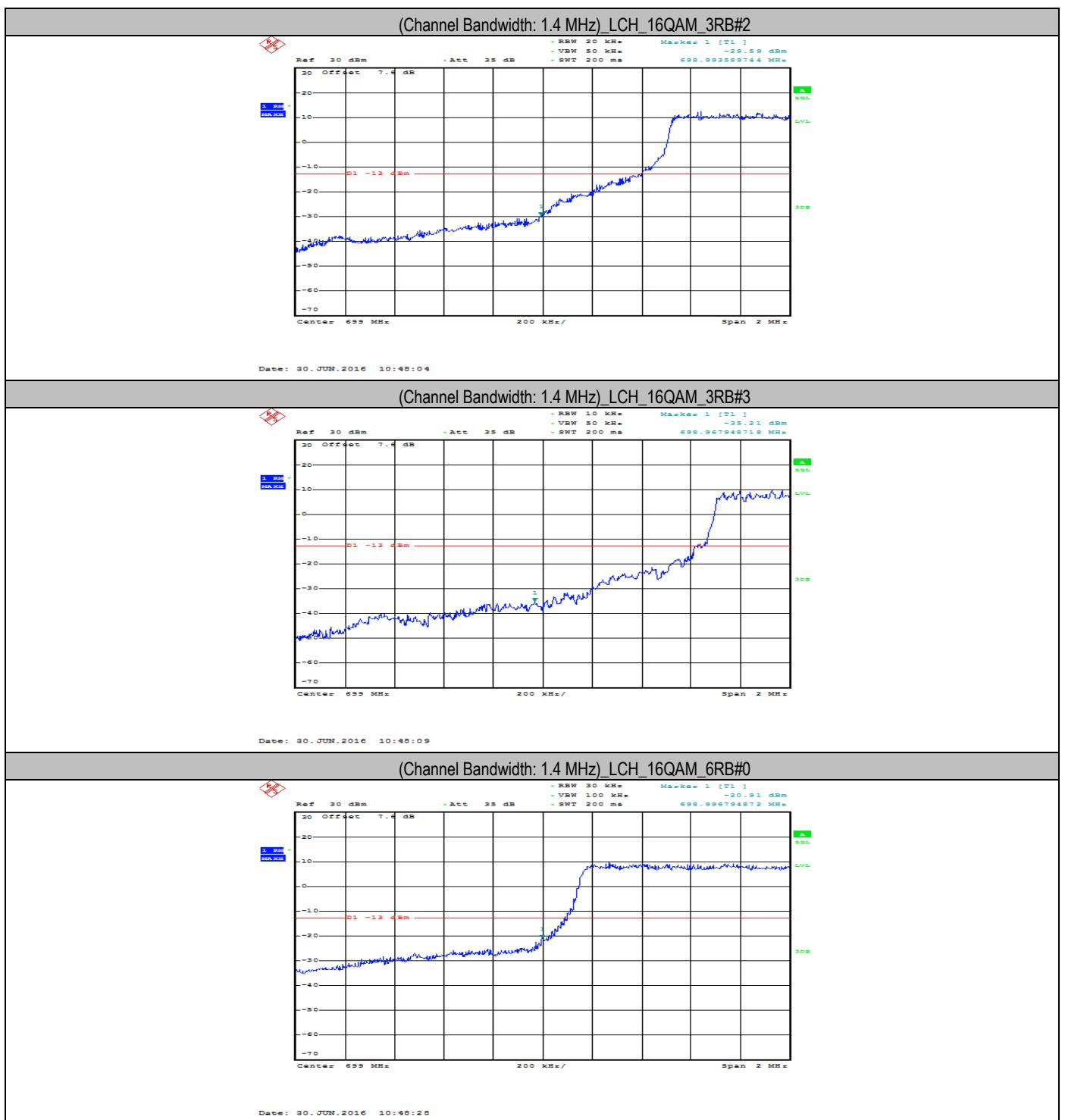


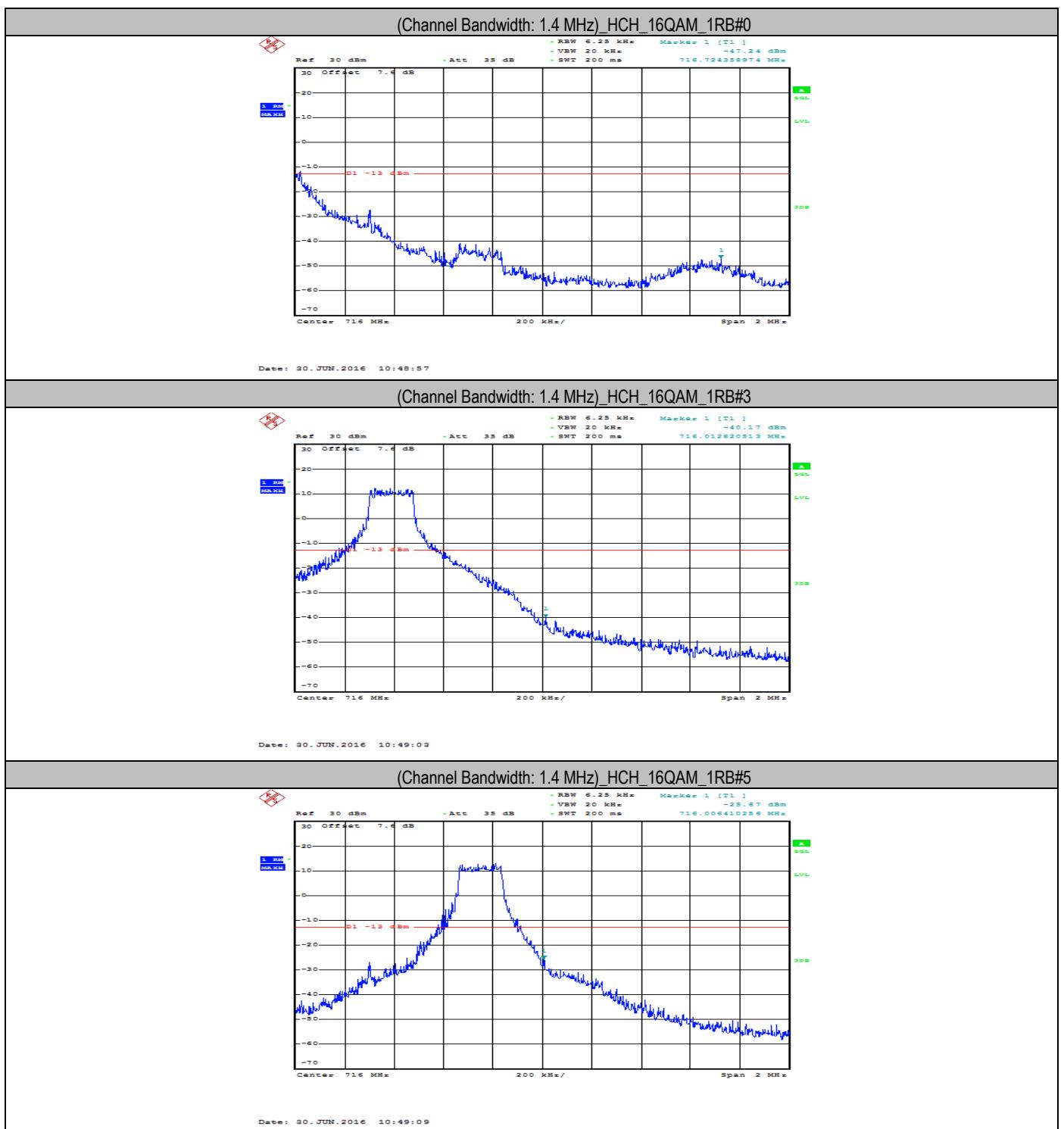


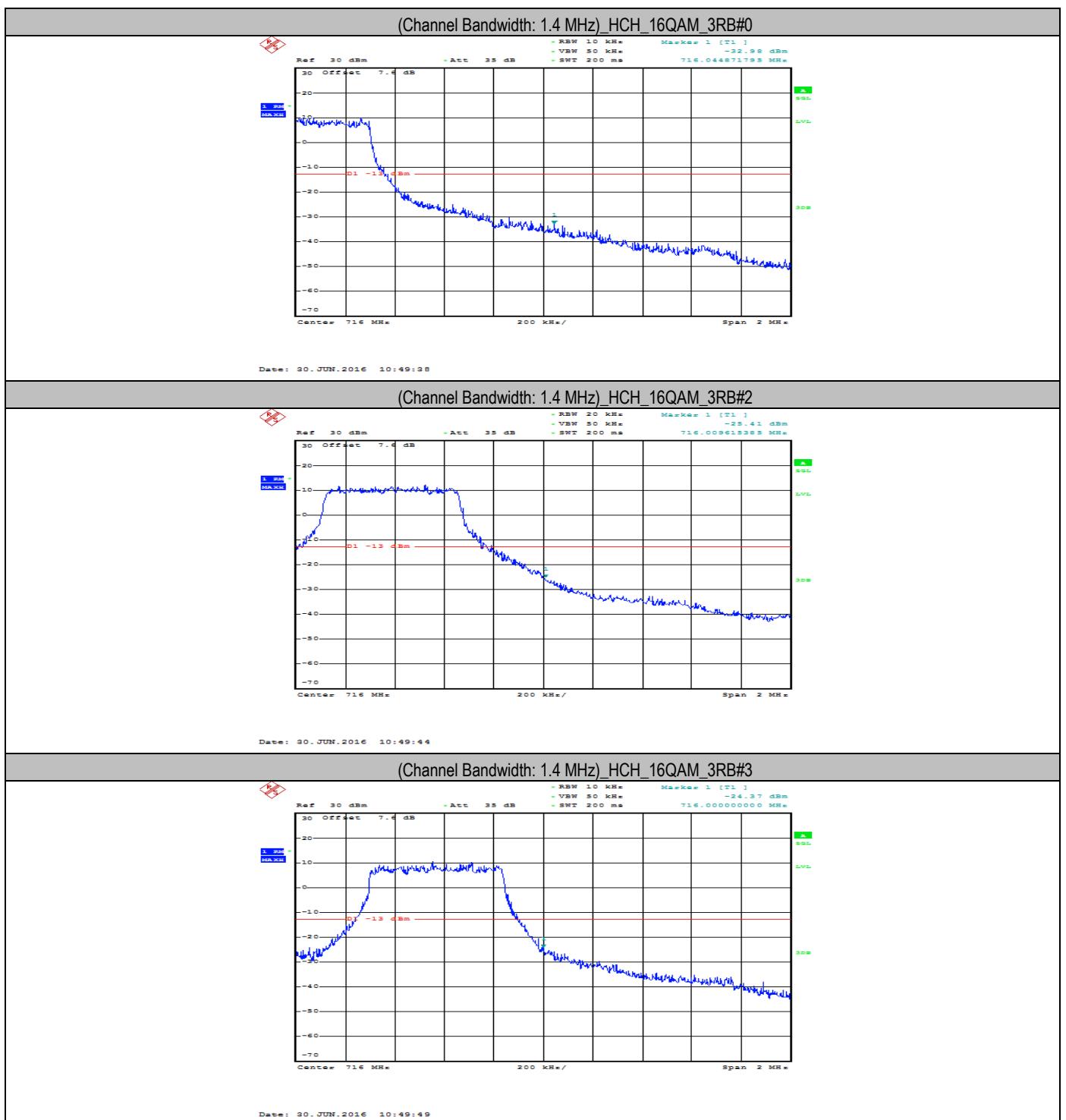


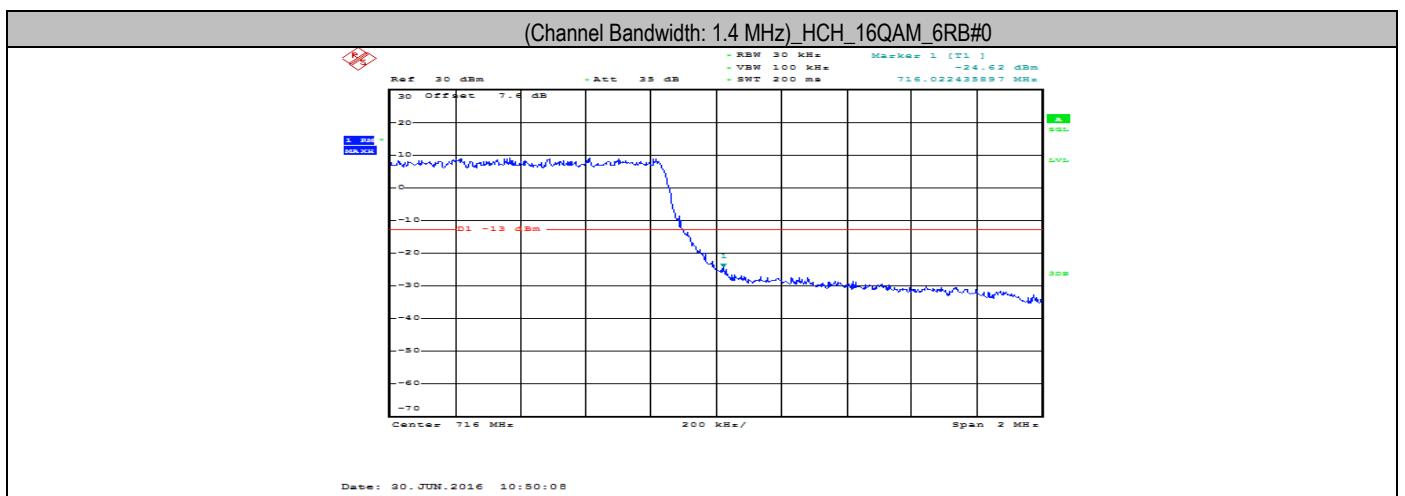




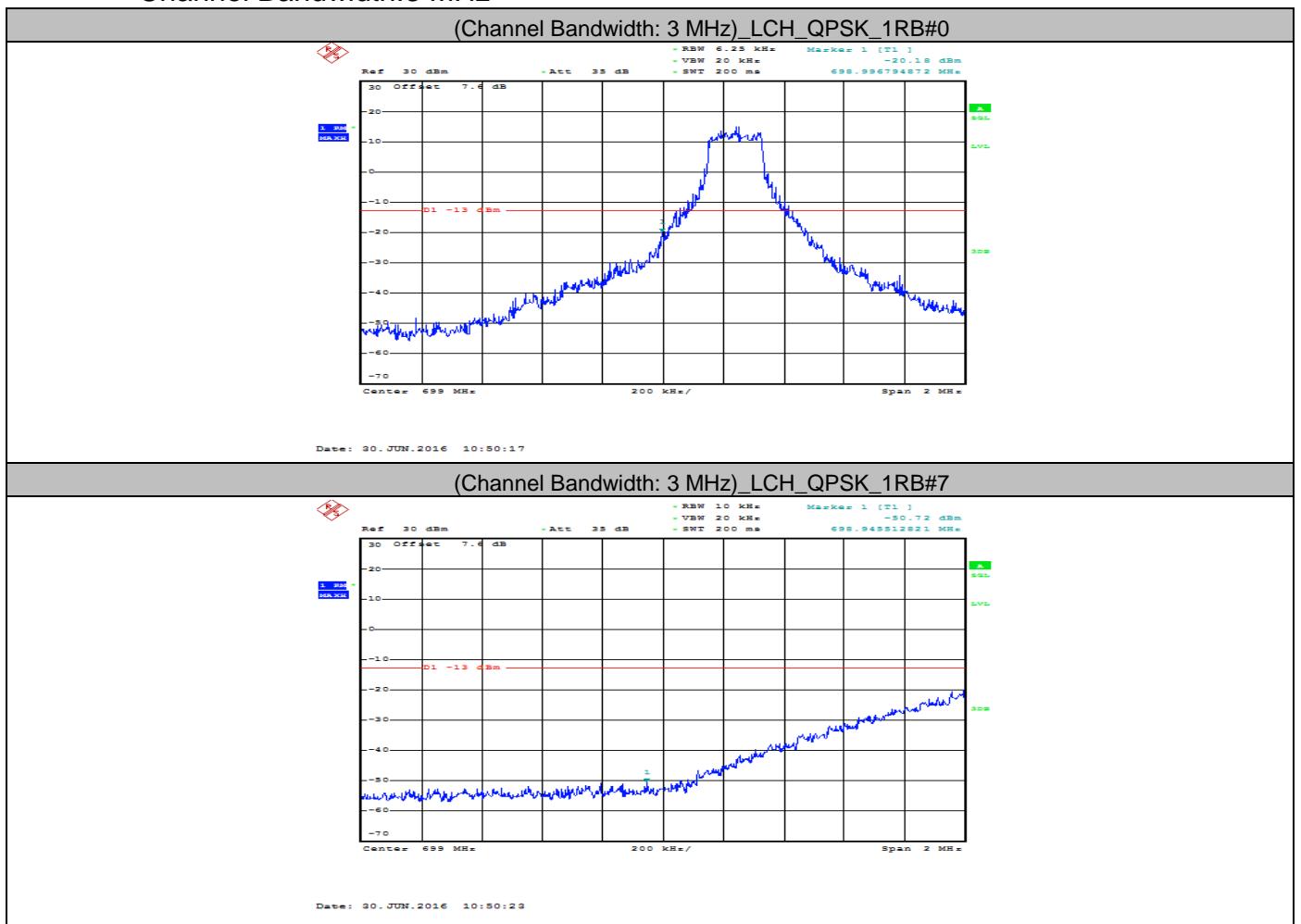


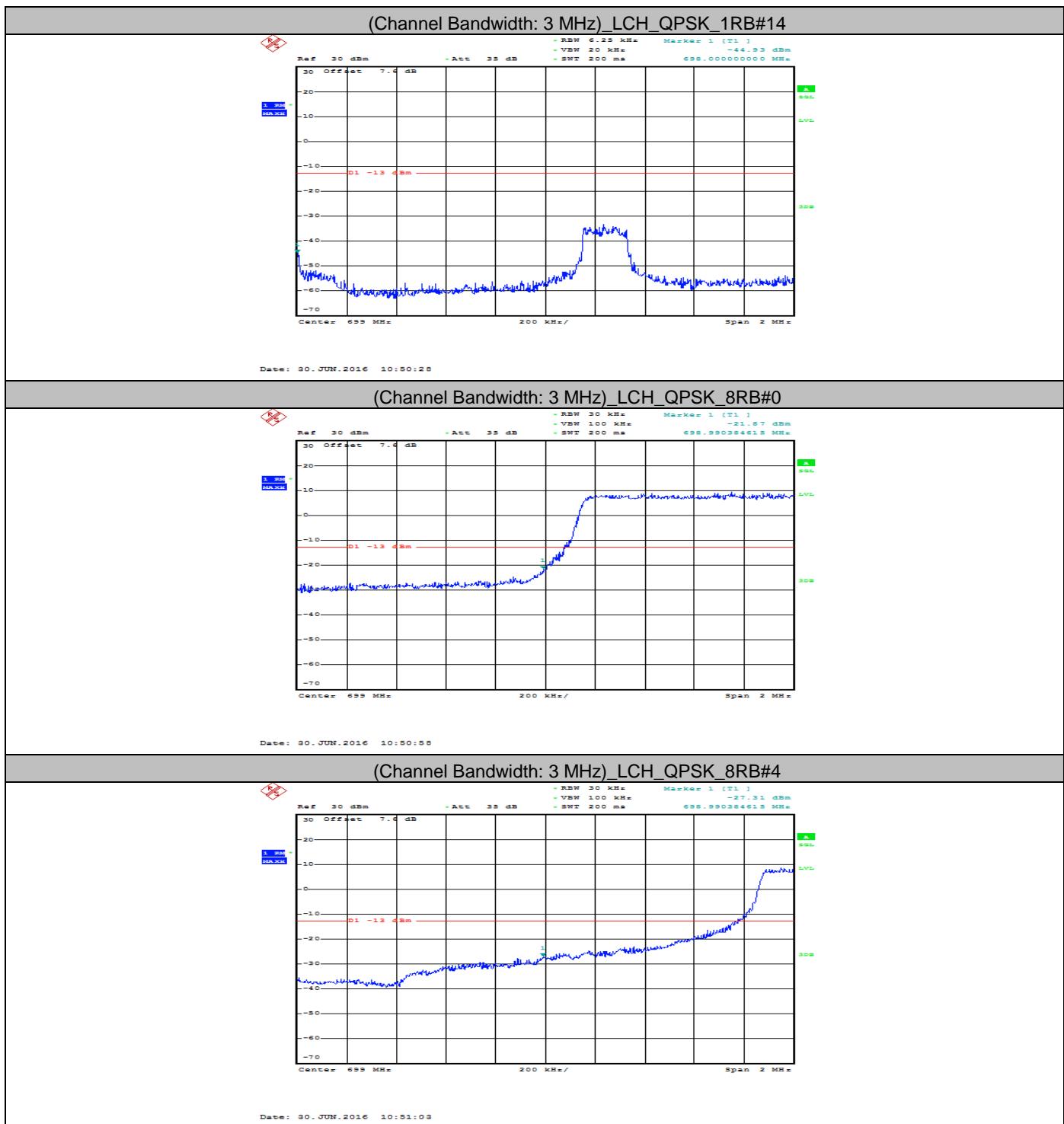


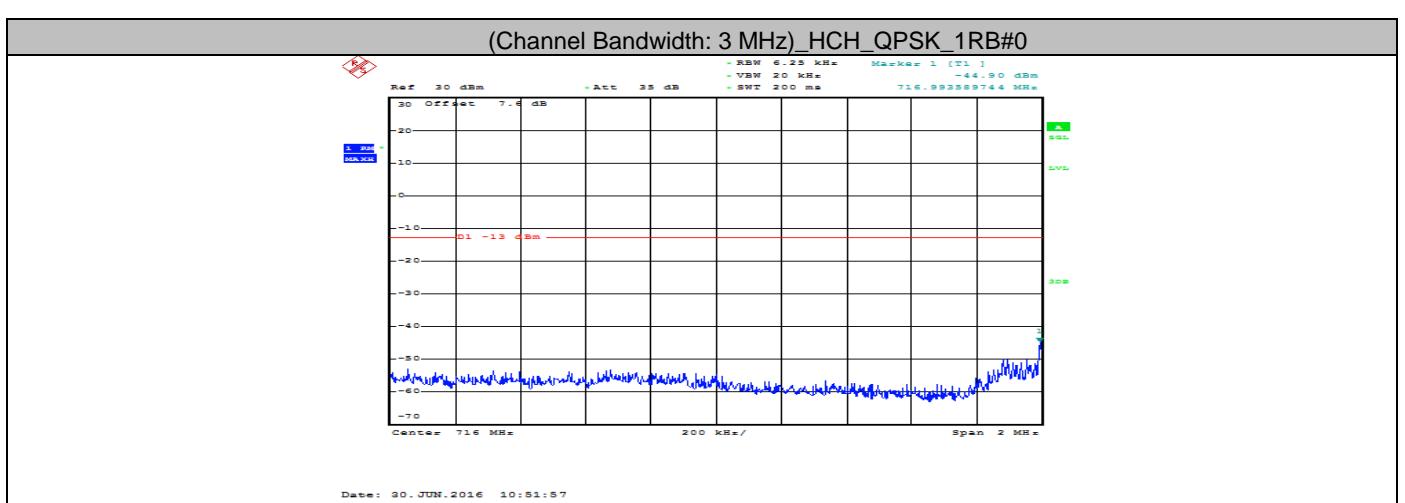
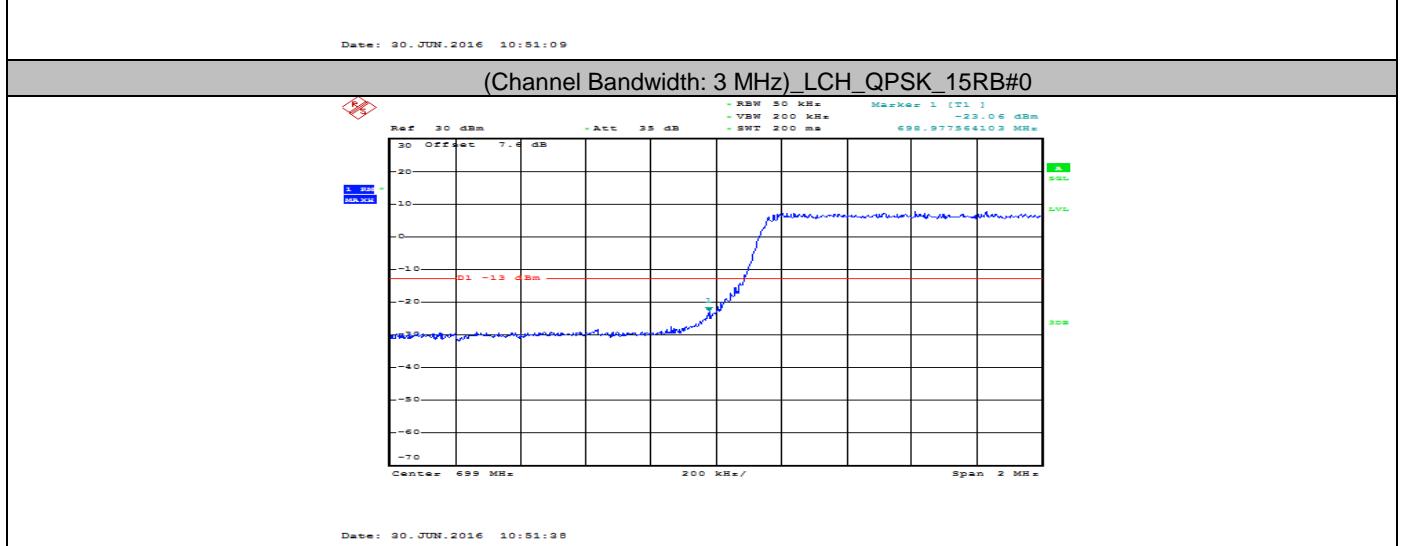
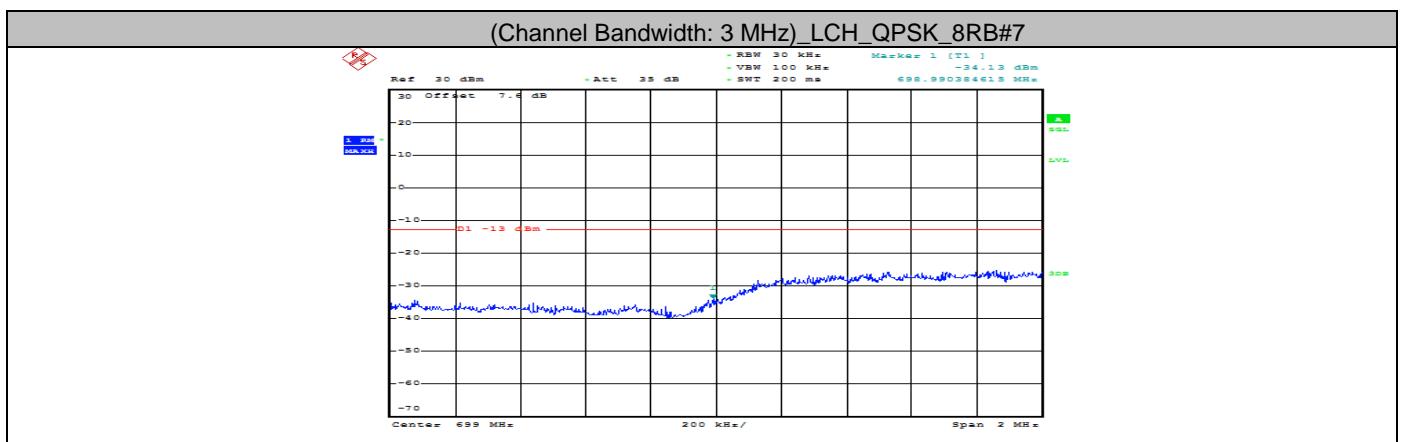




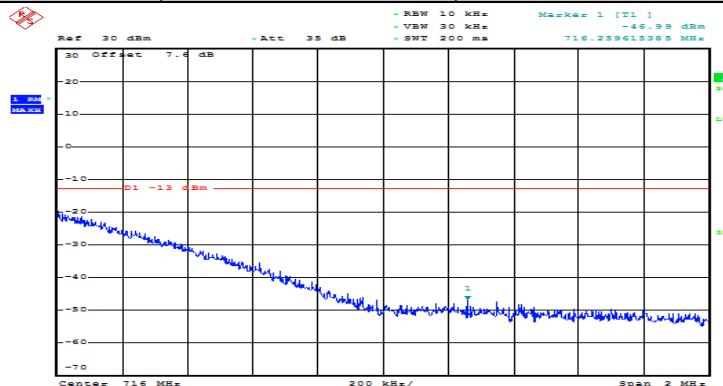
Band edge measurement
LTE Band 12
Channel Bandwidth:3 MHz



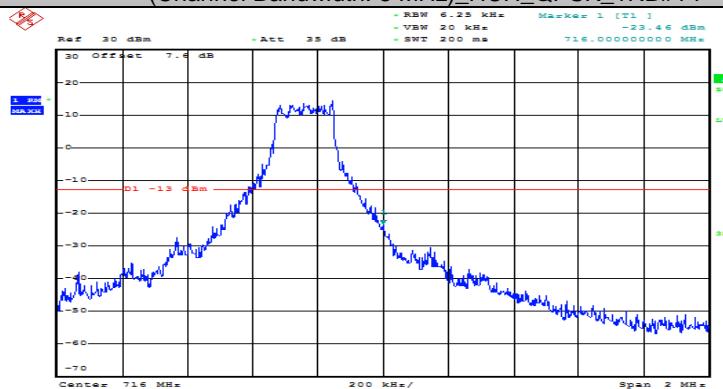




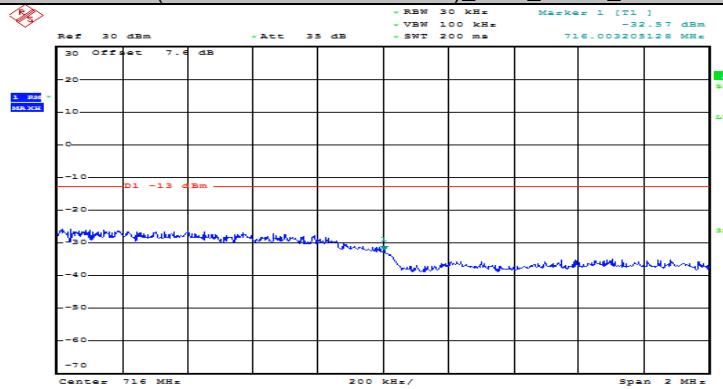
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

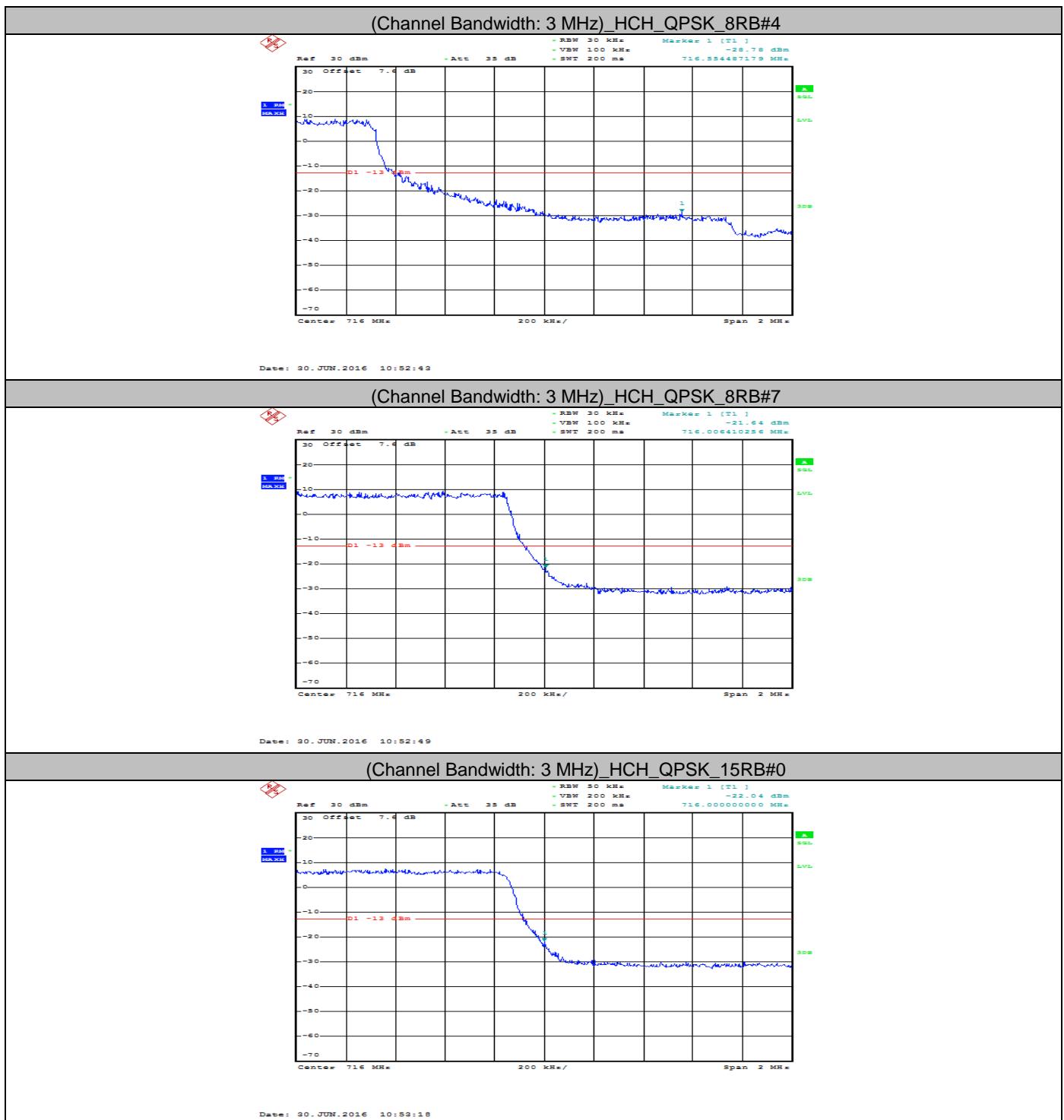


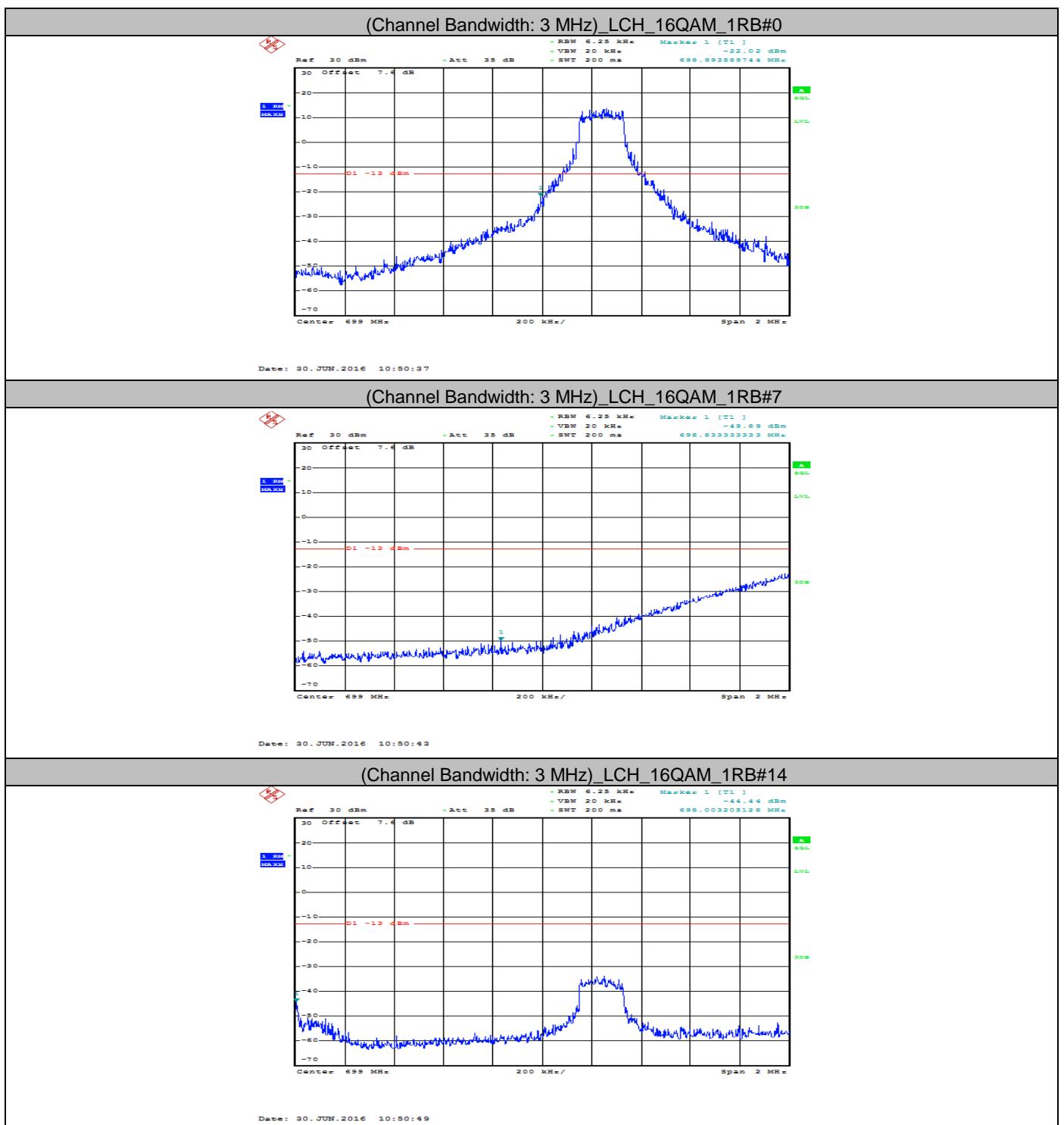
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

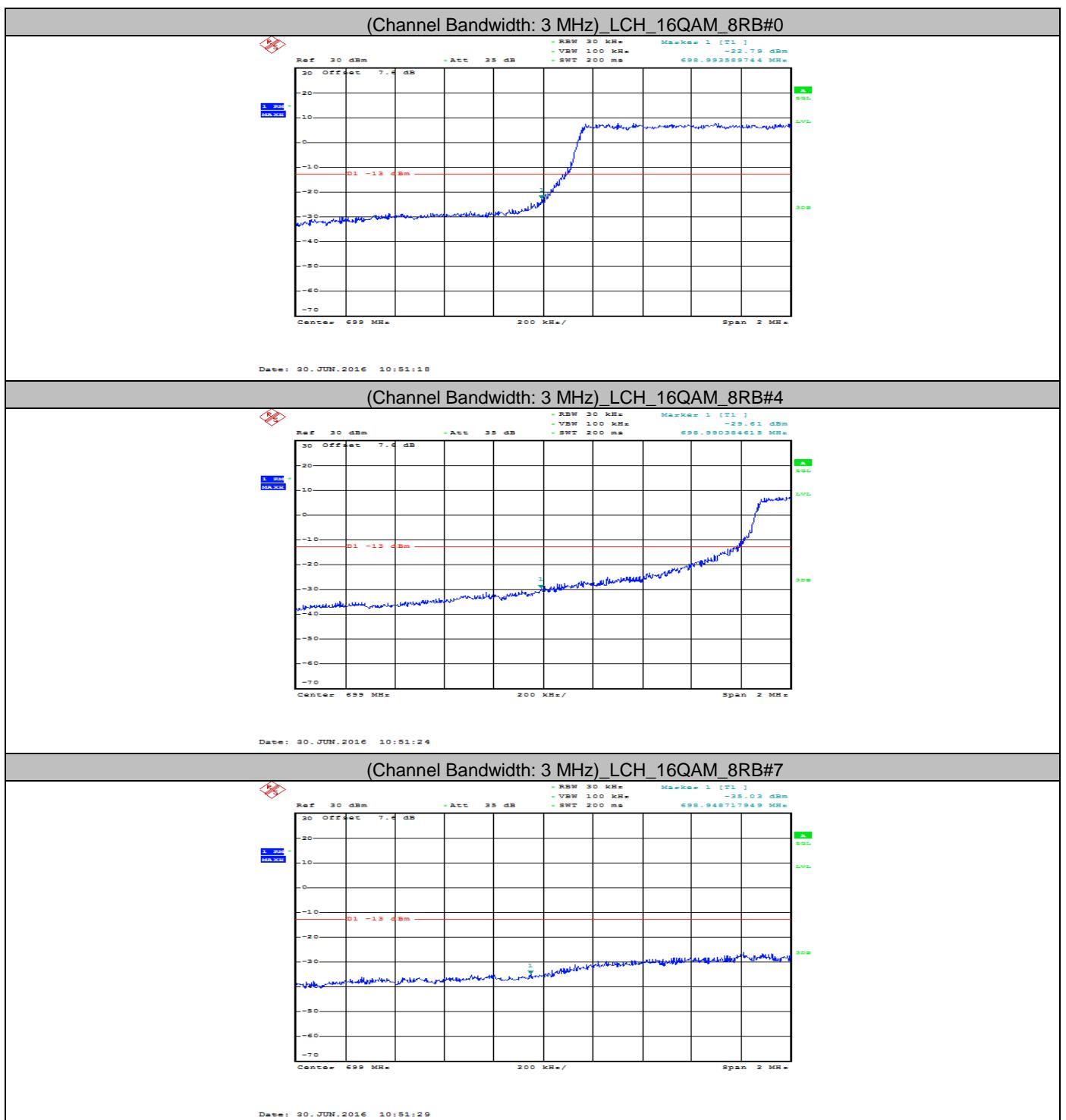


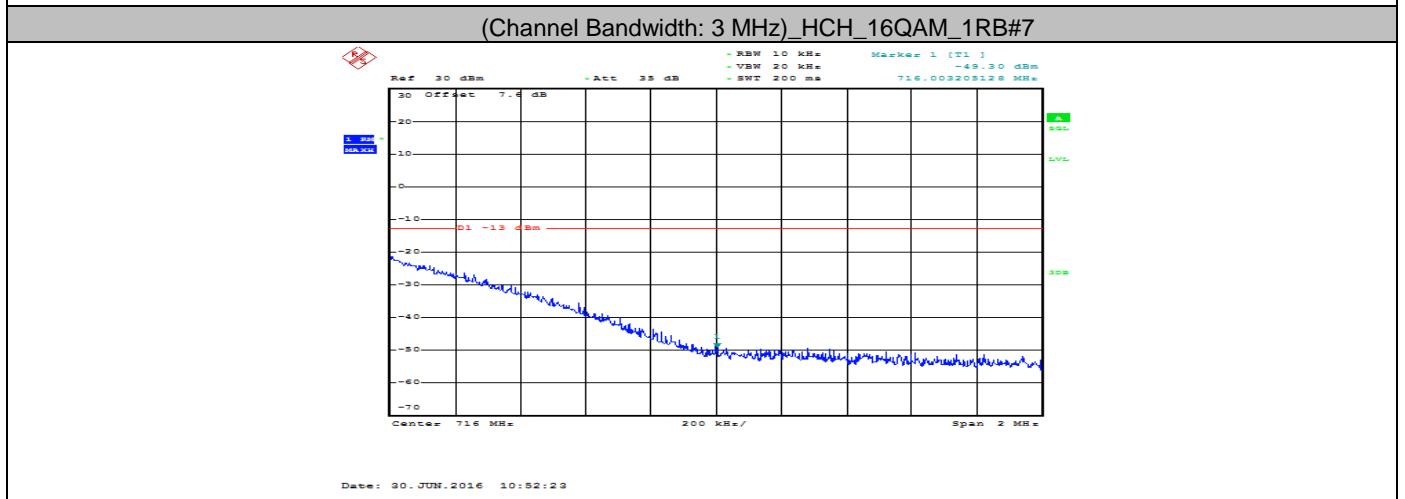
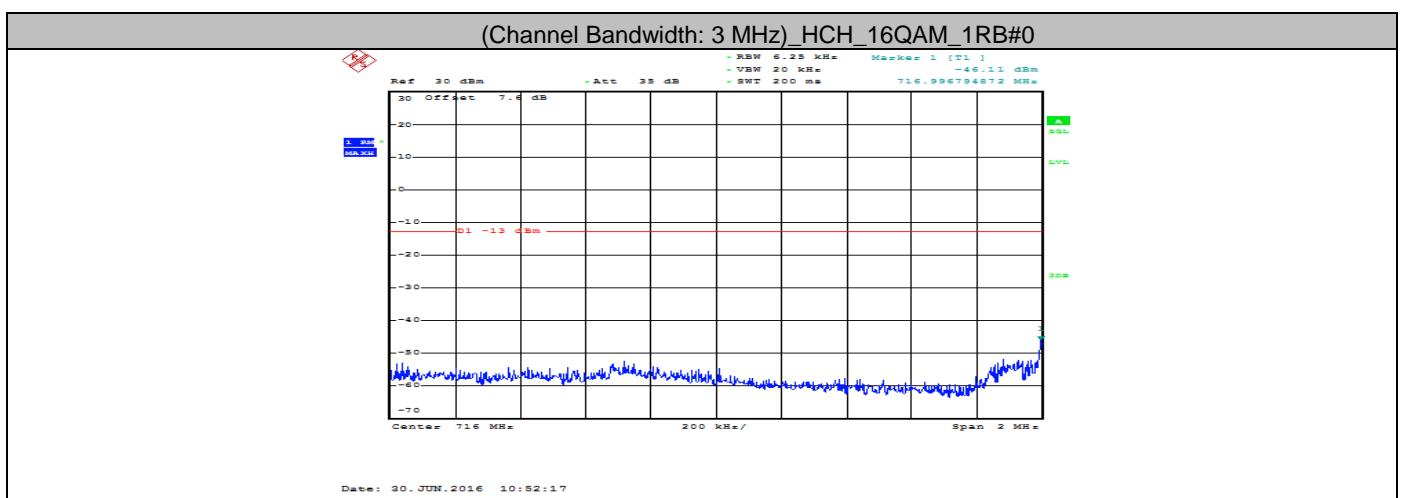
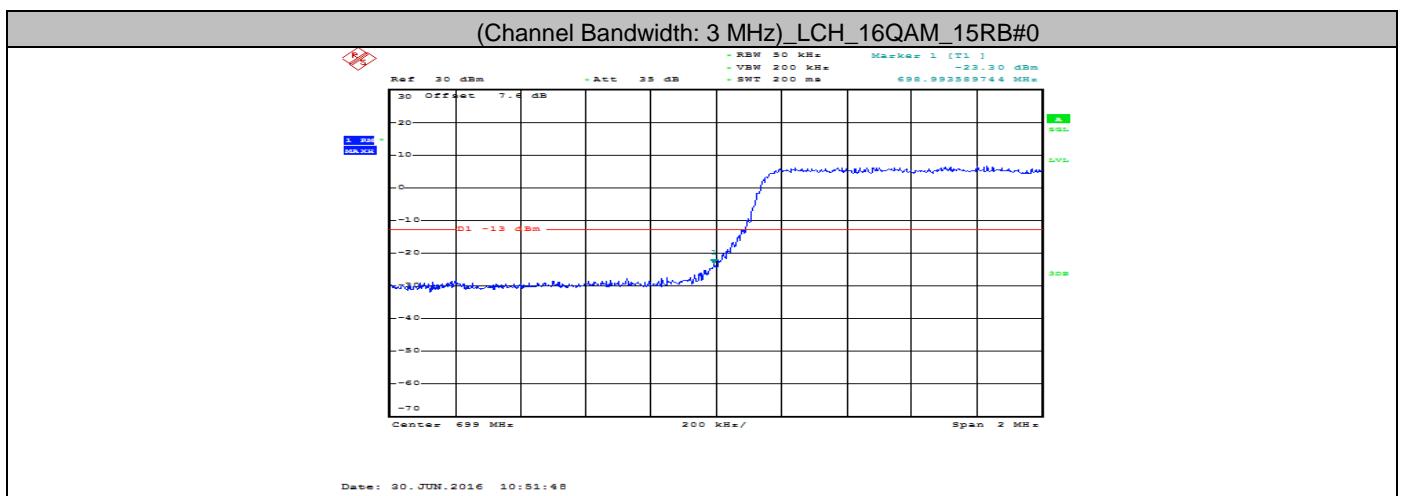
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0

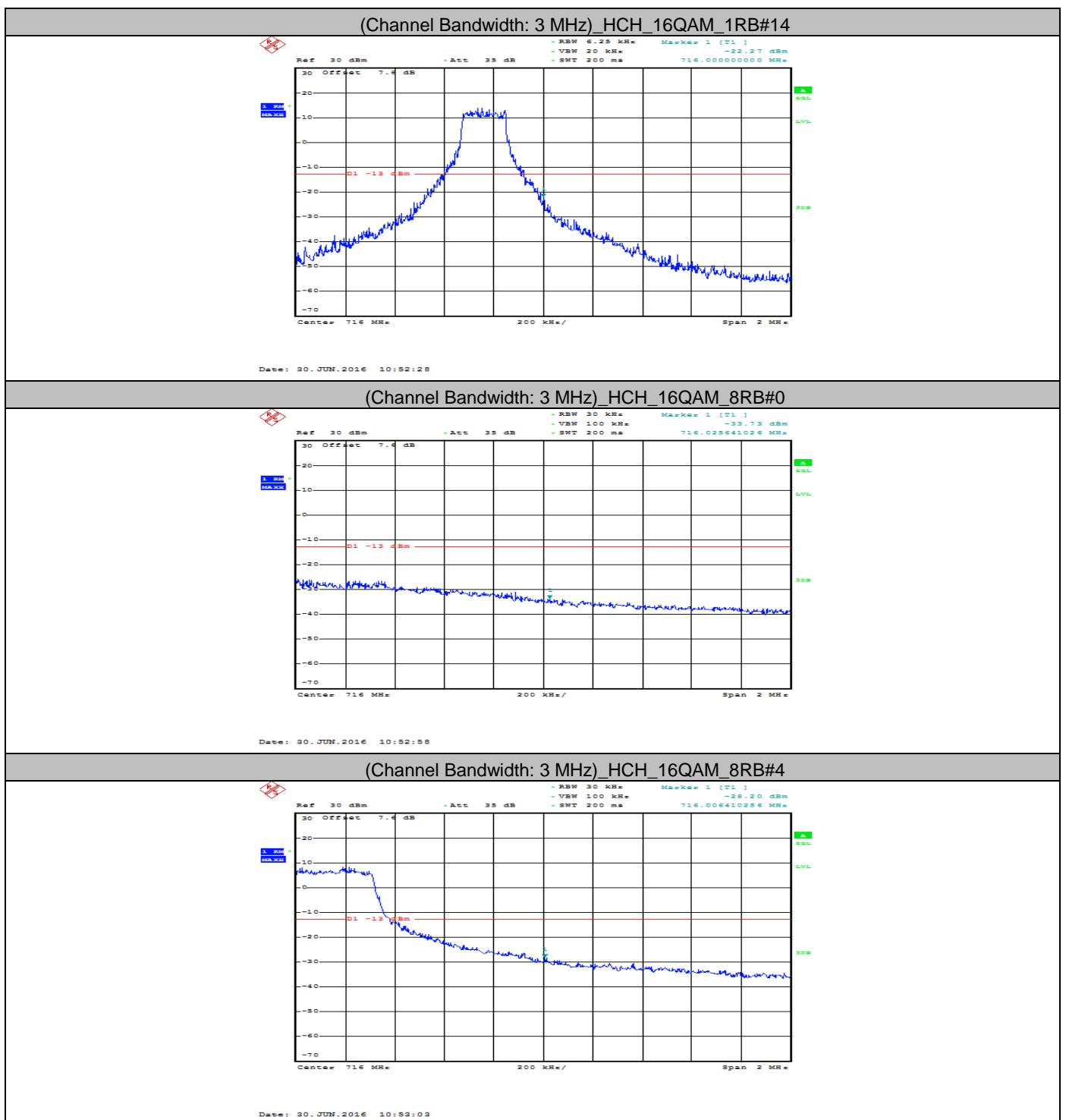


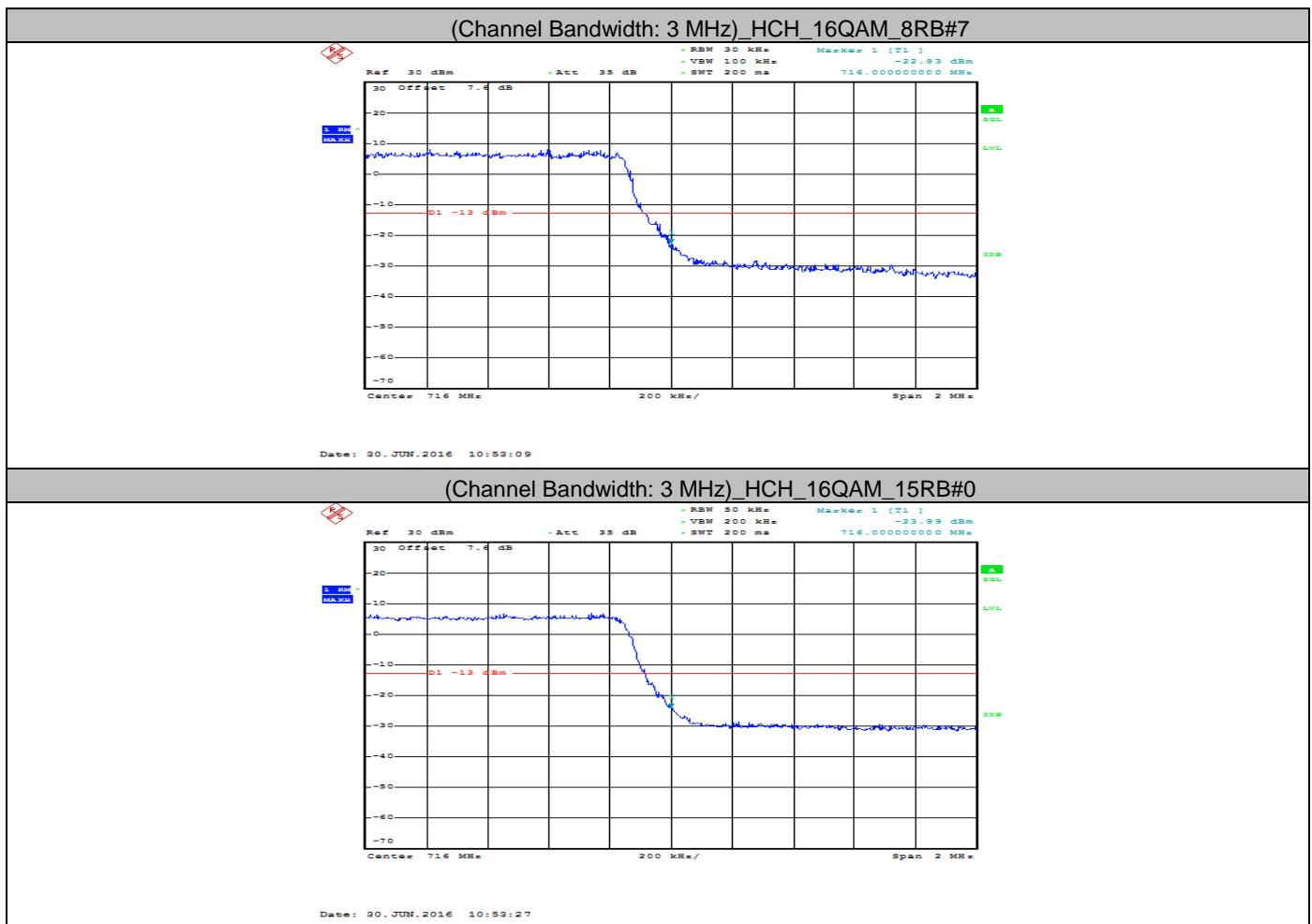




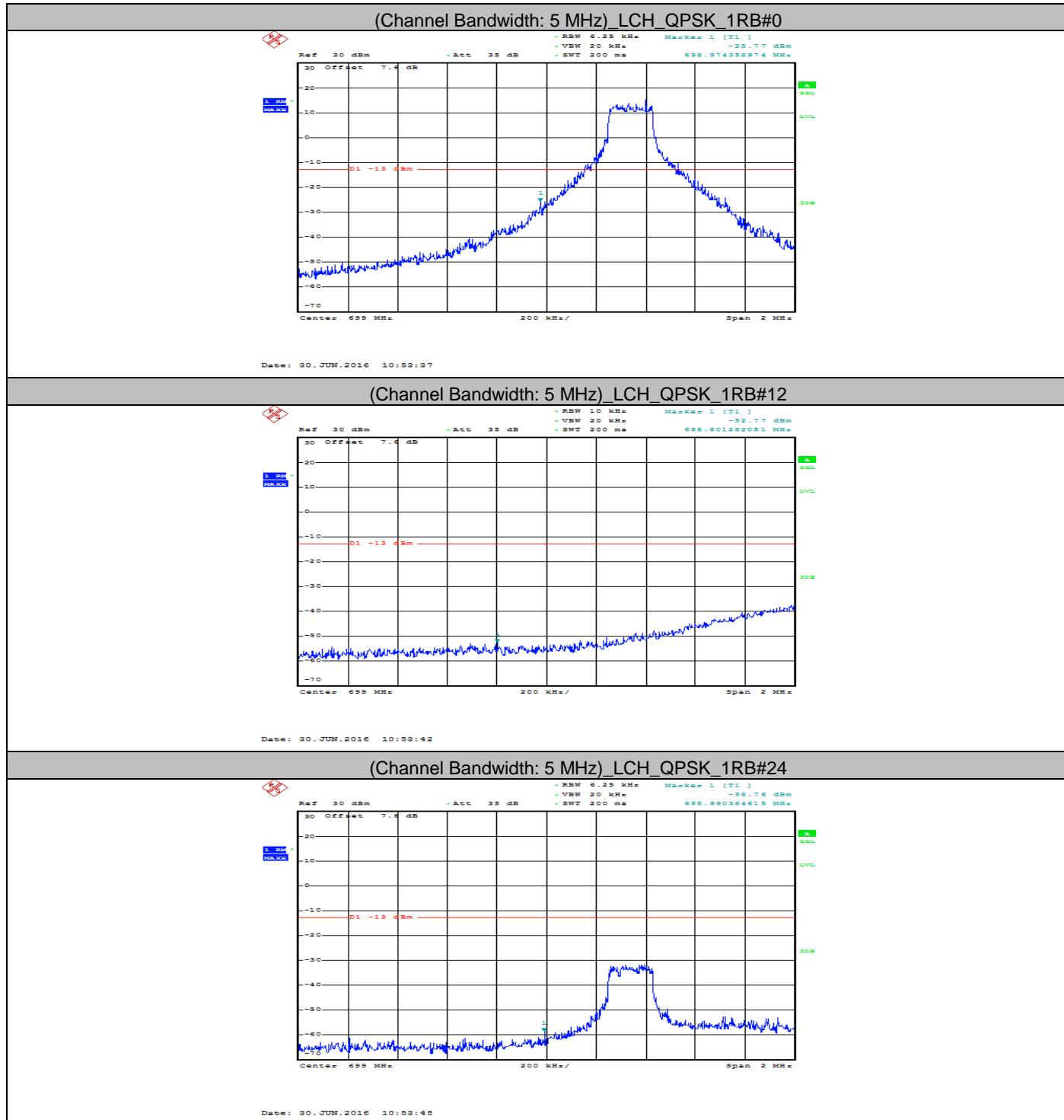


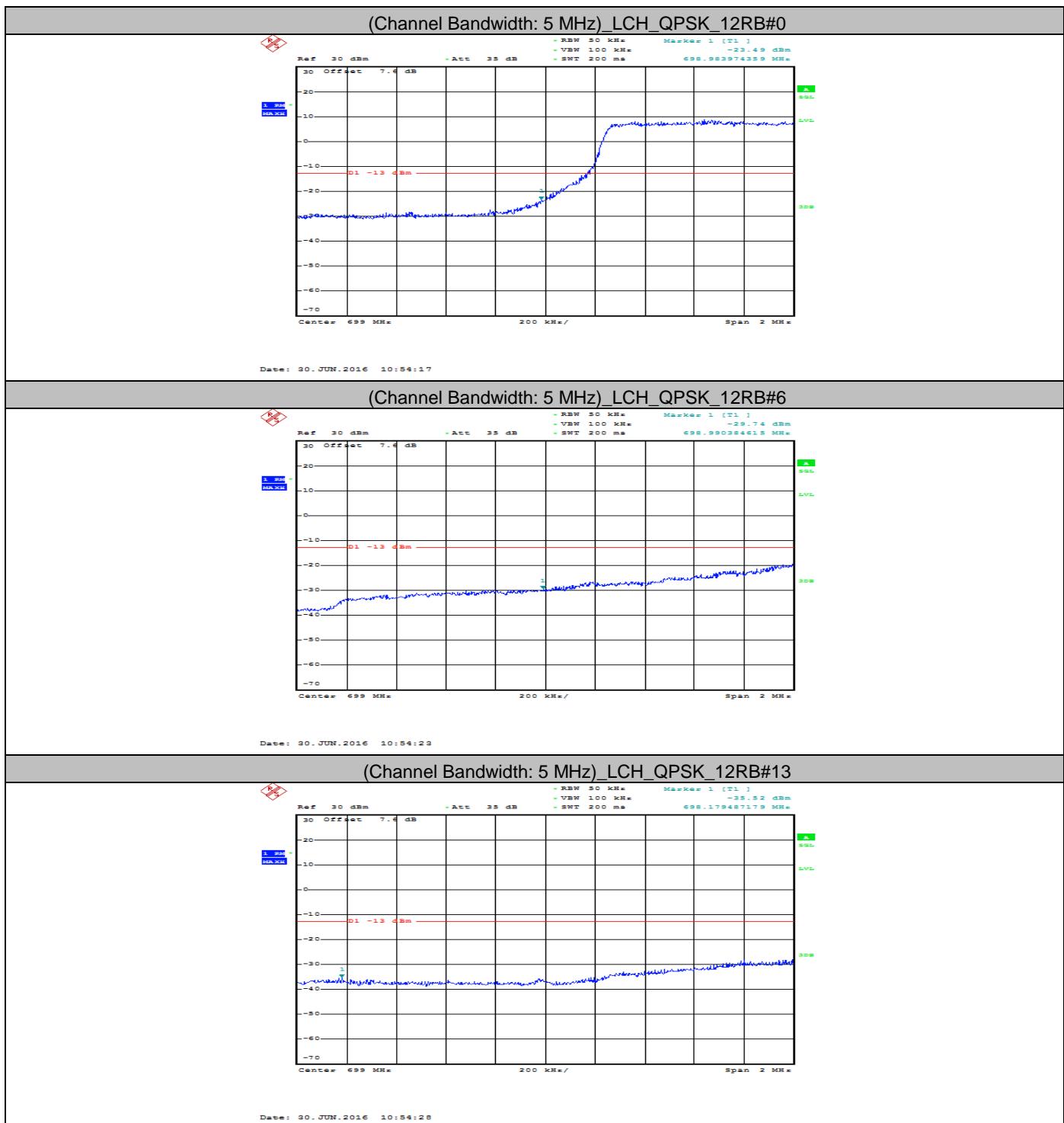


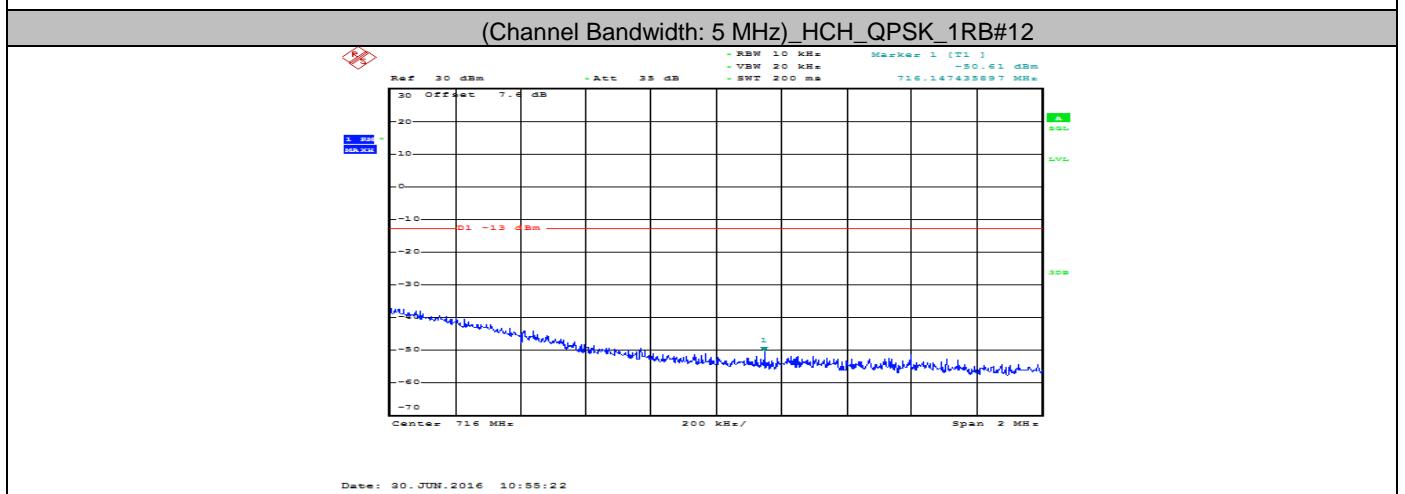
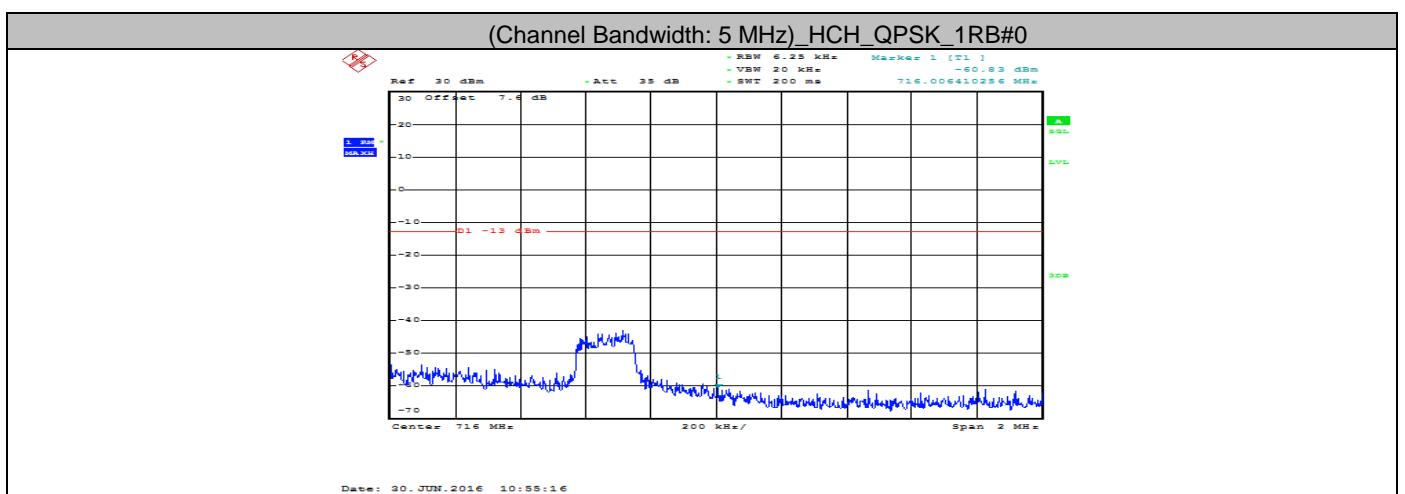
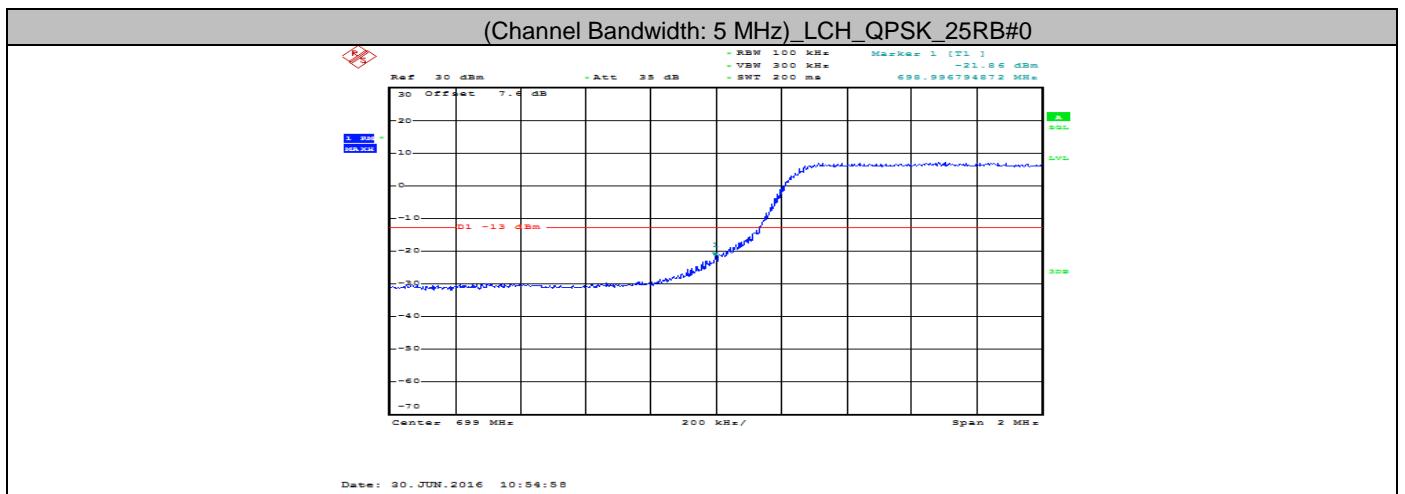


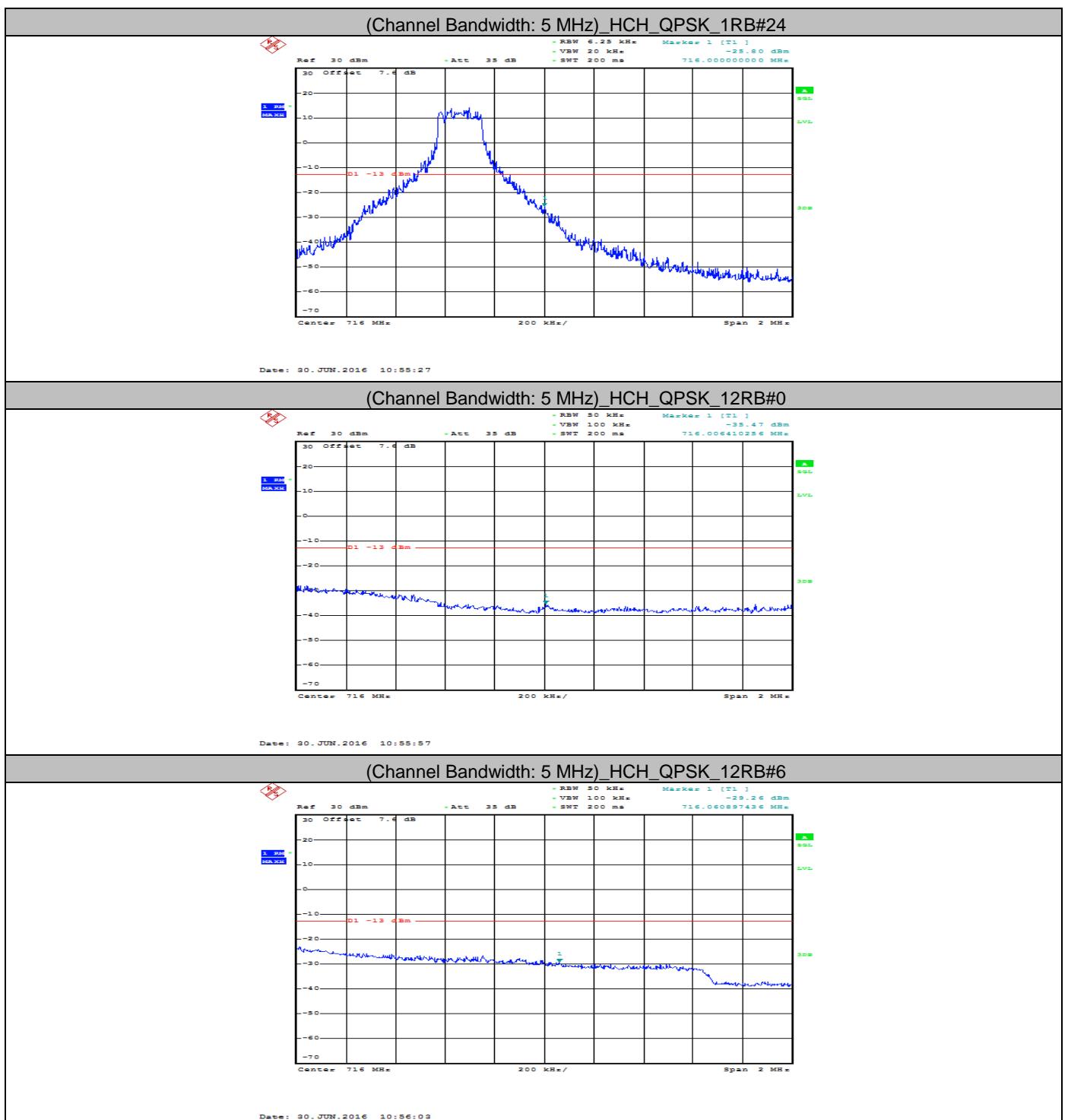


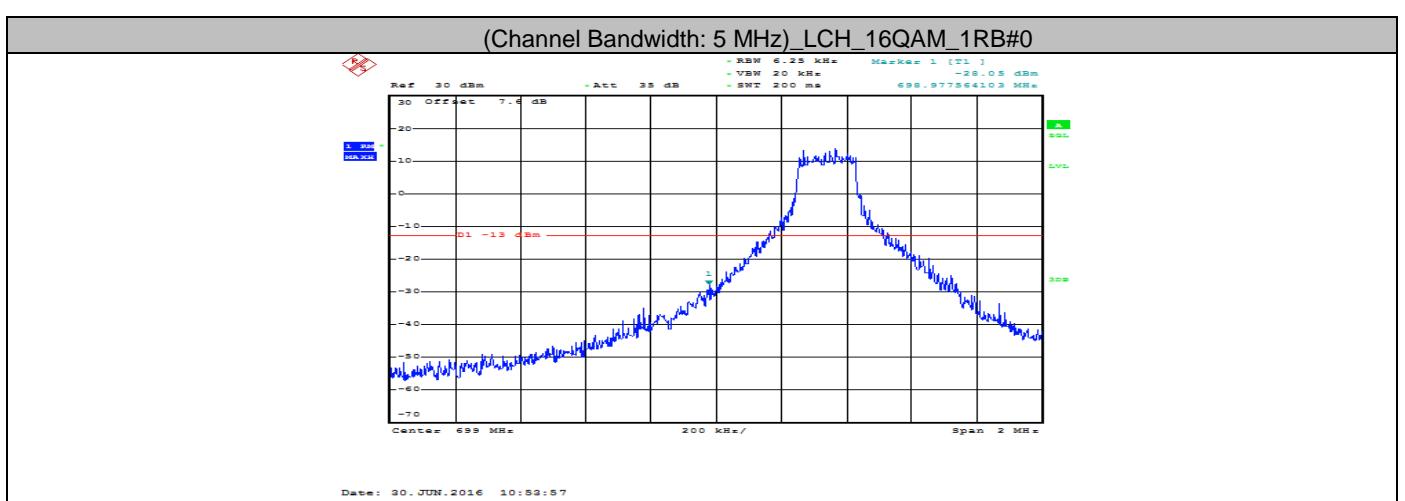
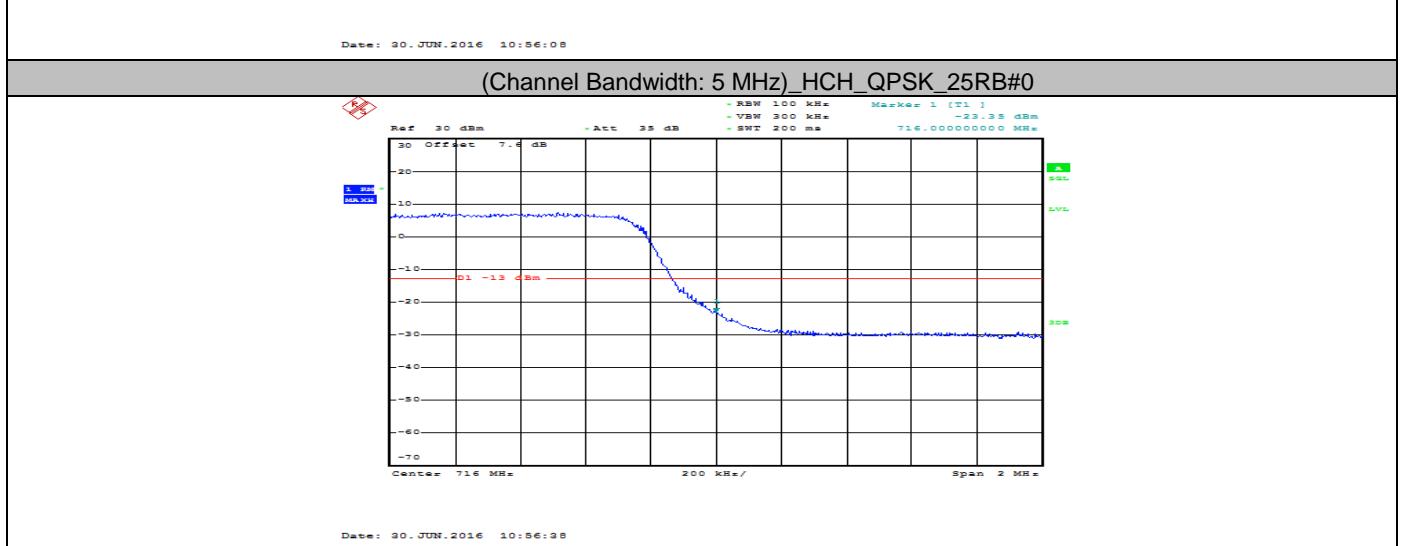
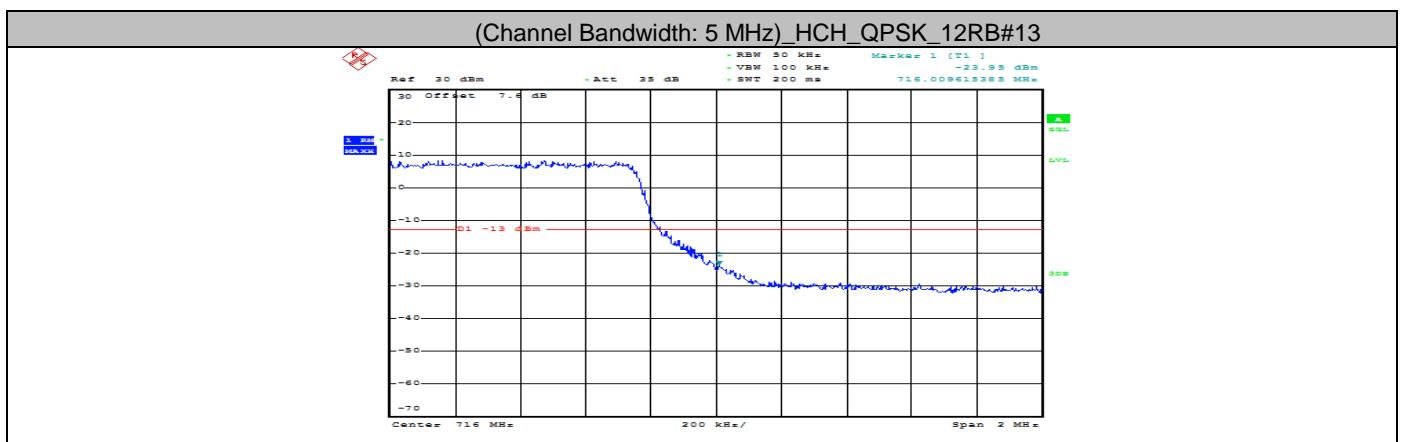
Band edge measurement
 LTE Band 12
 Channel Bandwidth: 5 MHz

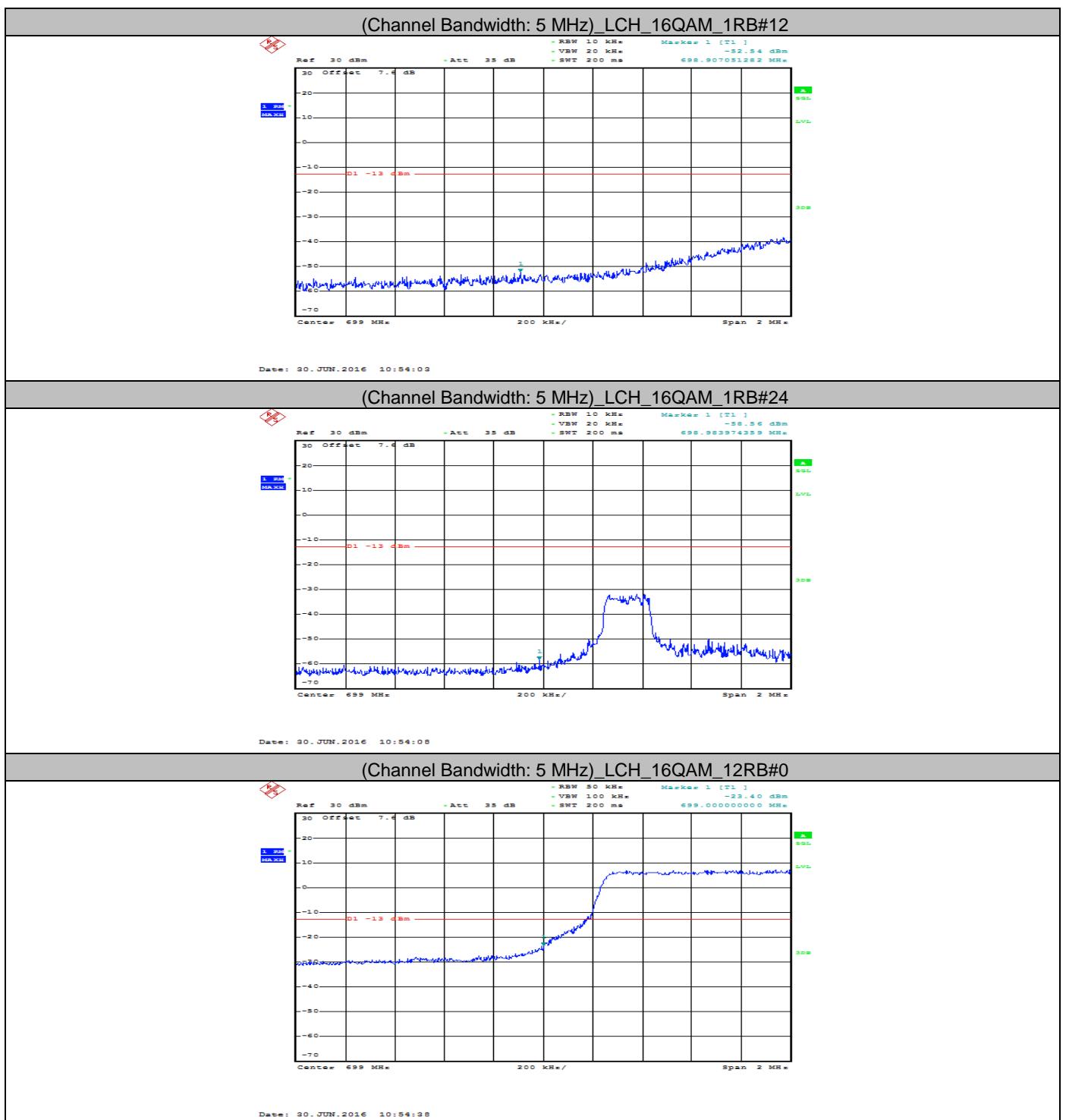


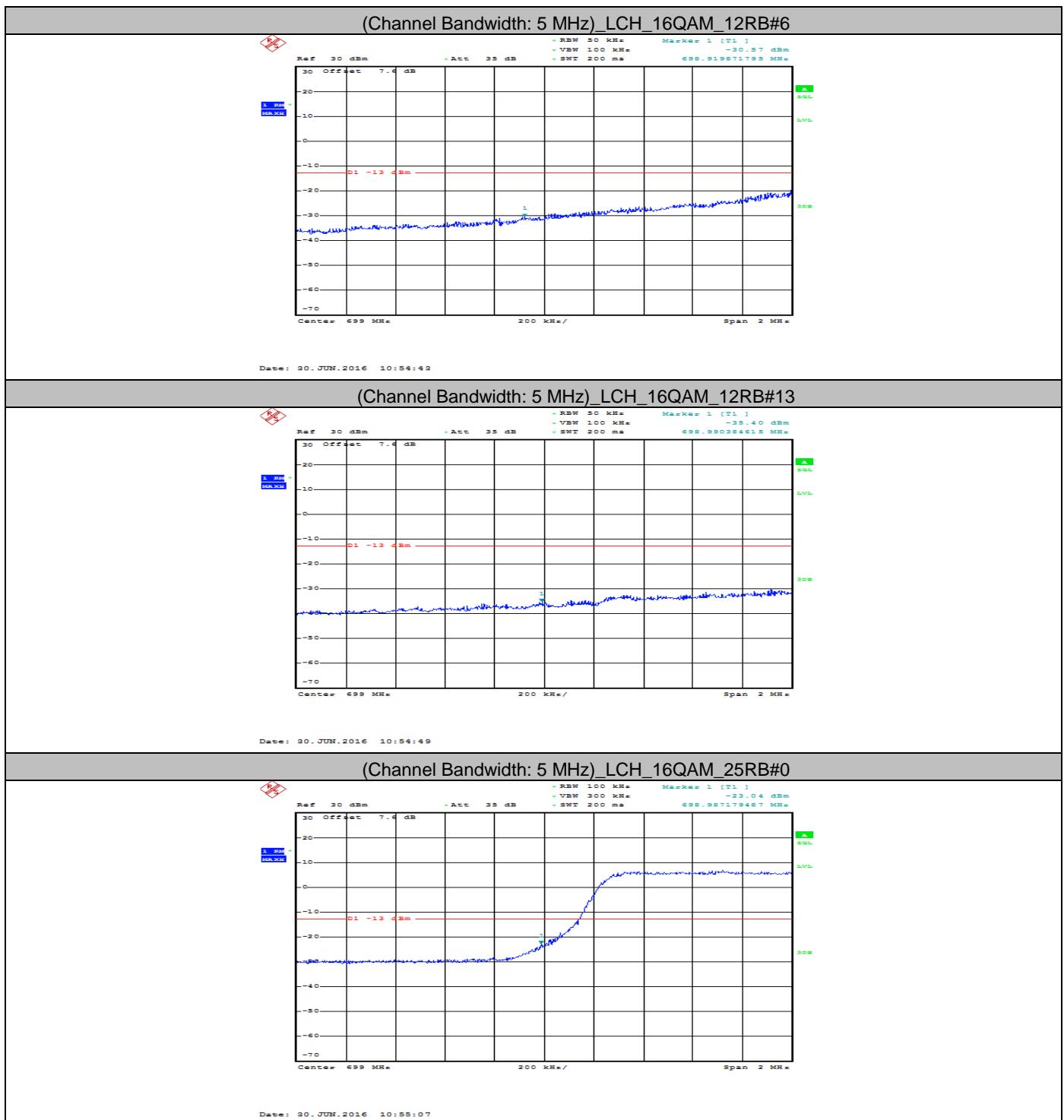


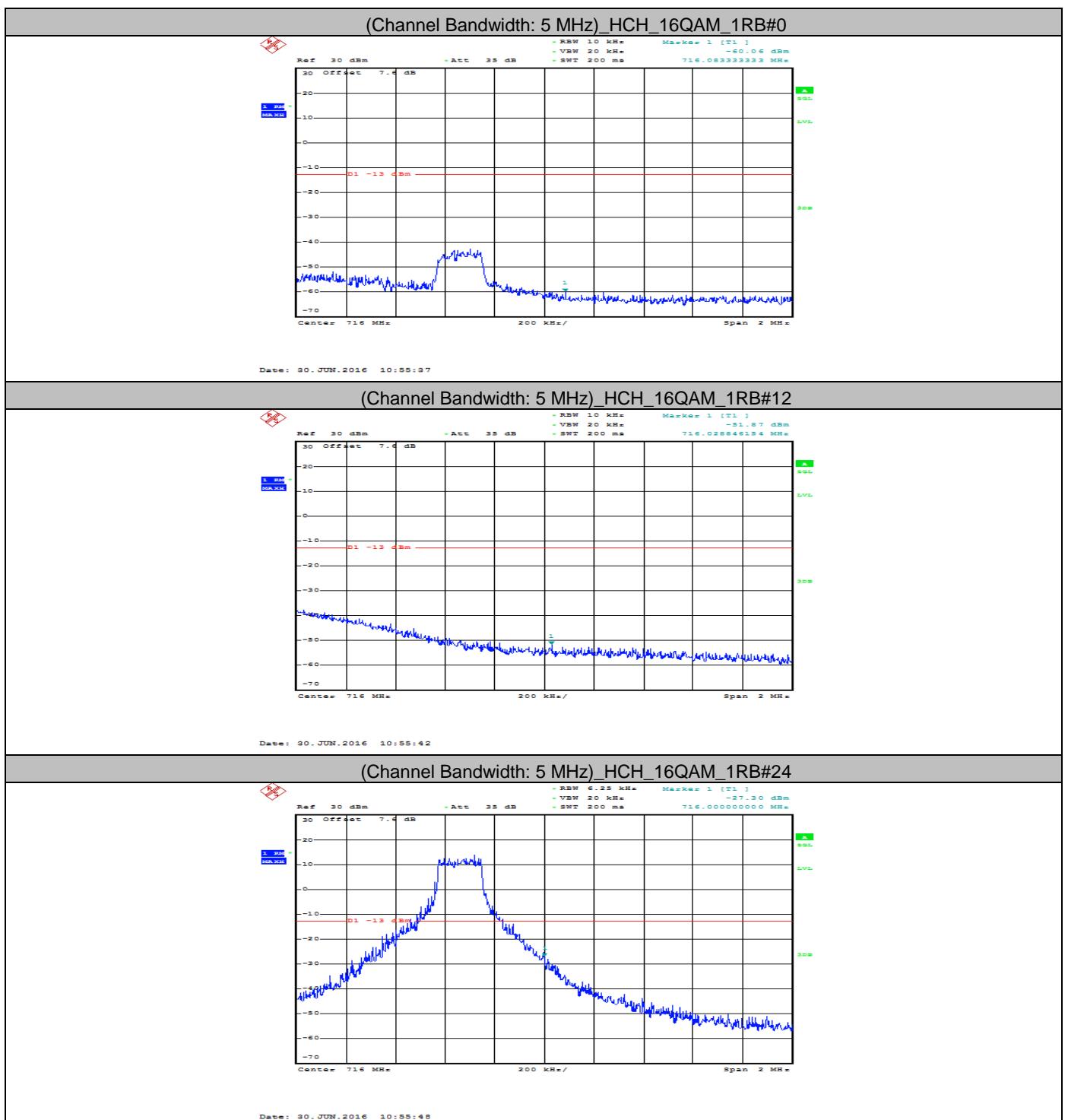


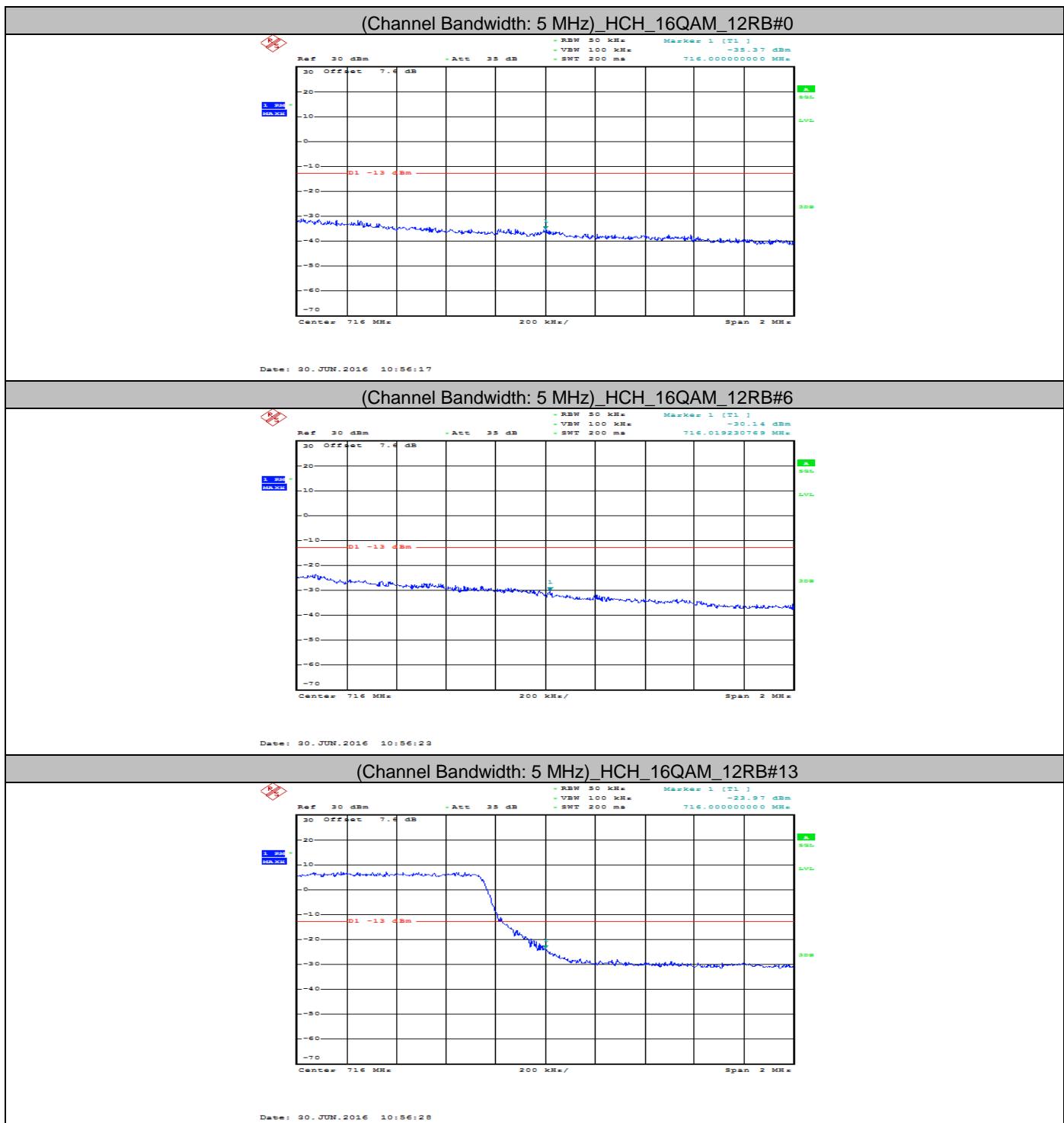


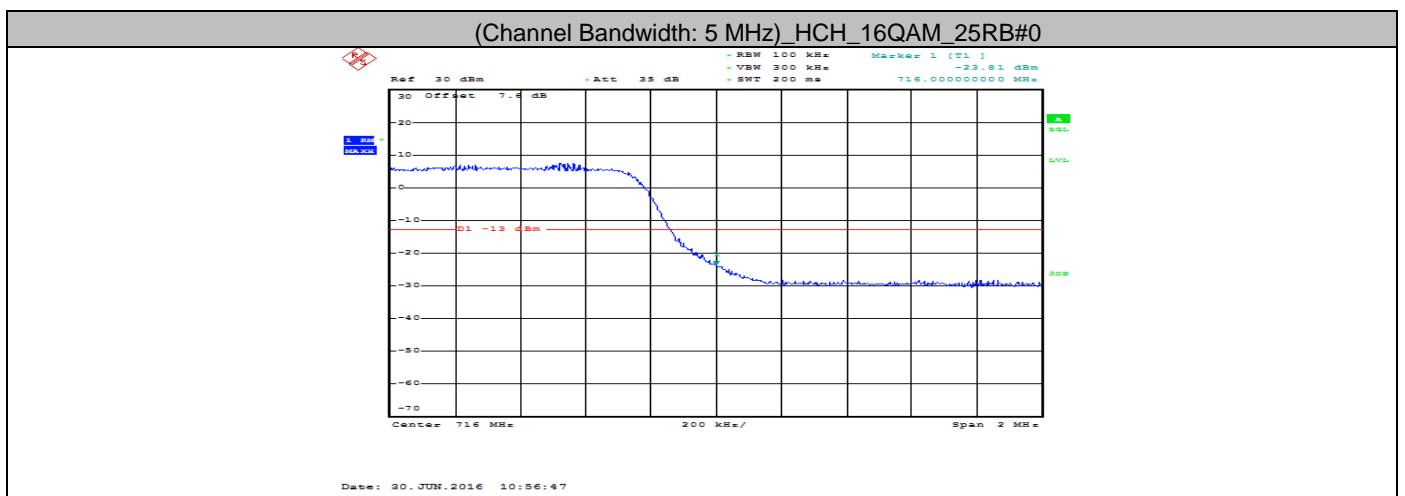




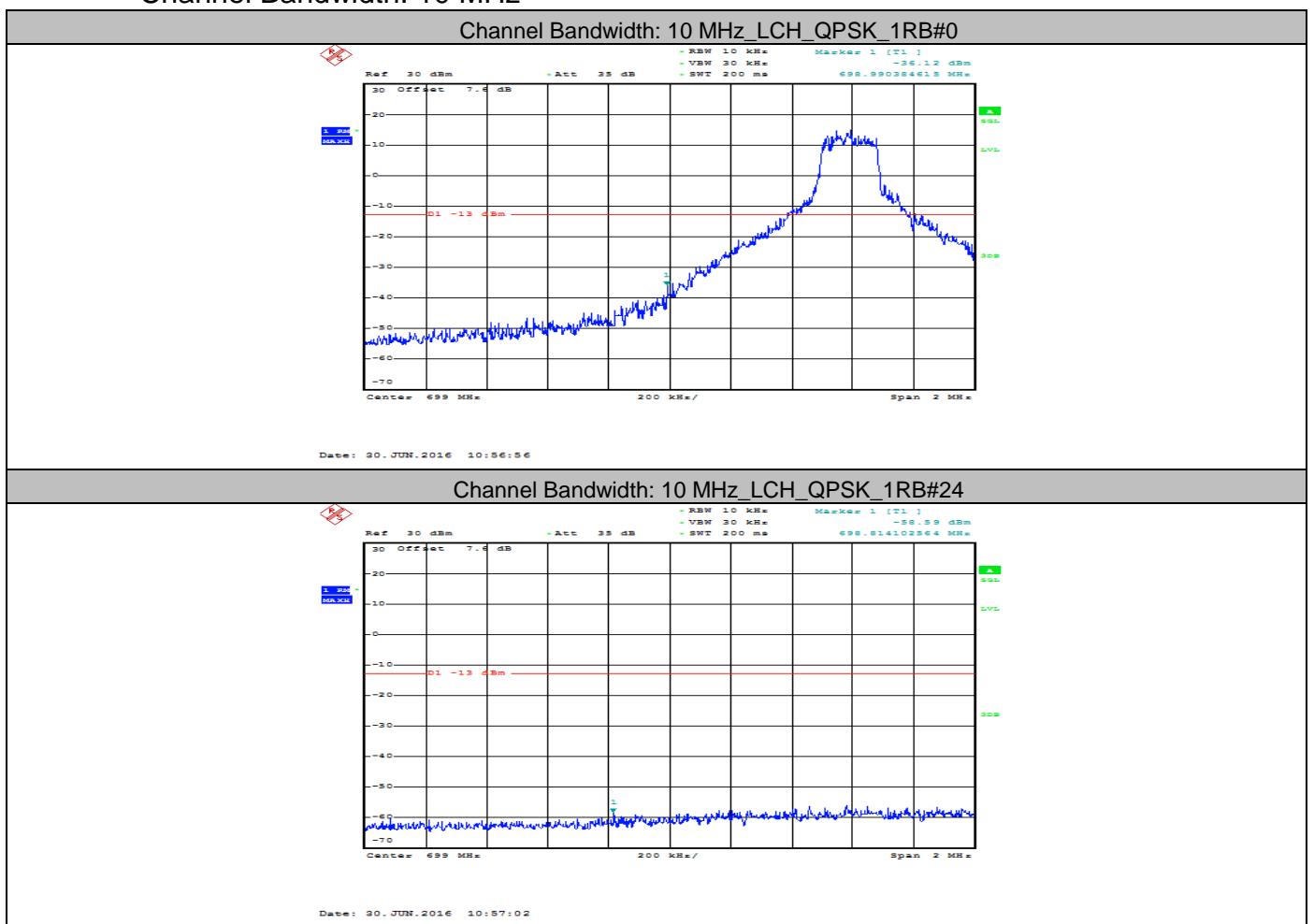


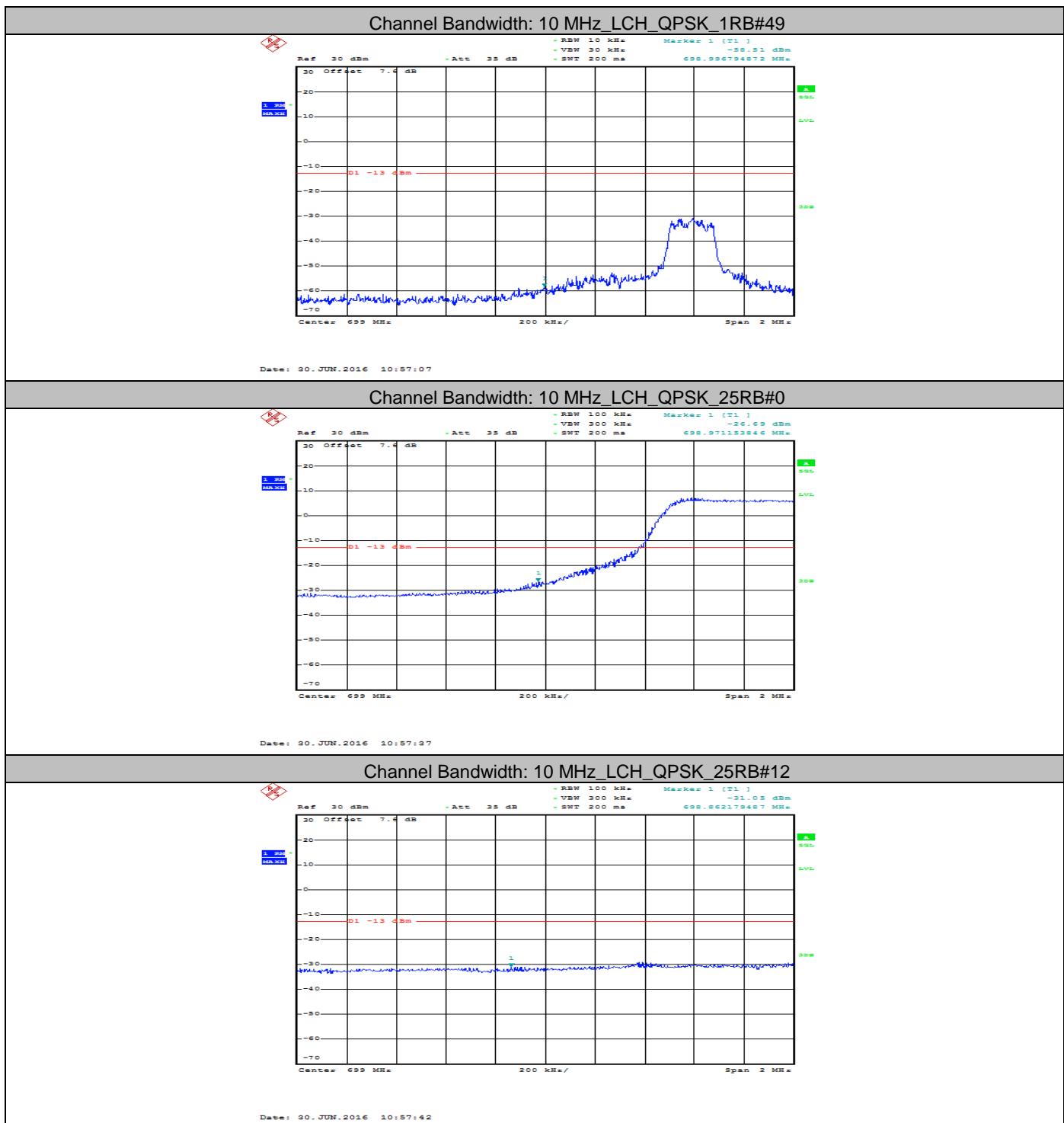


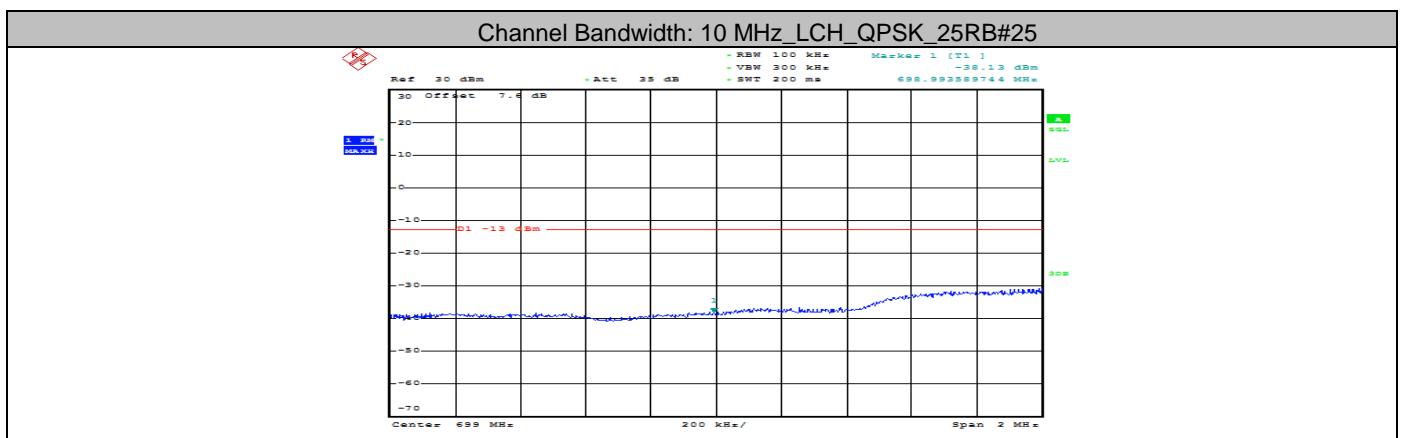




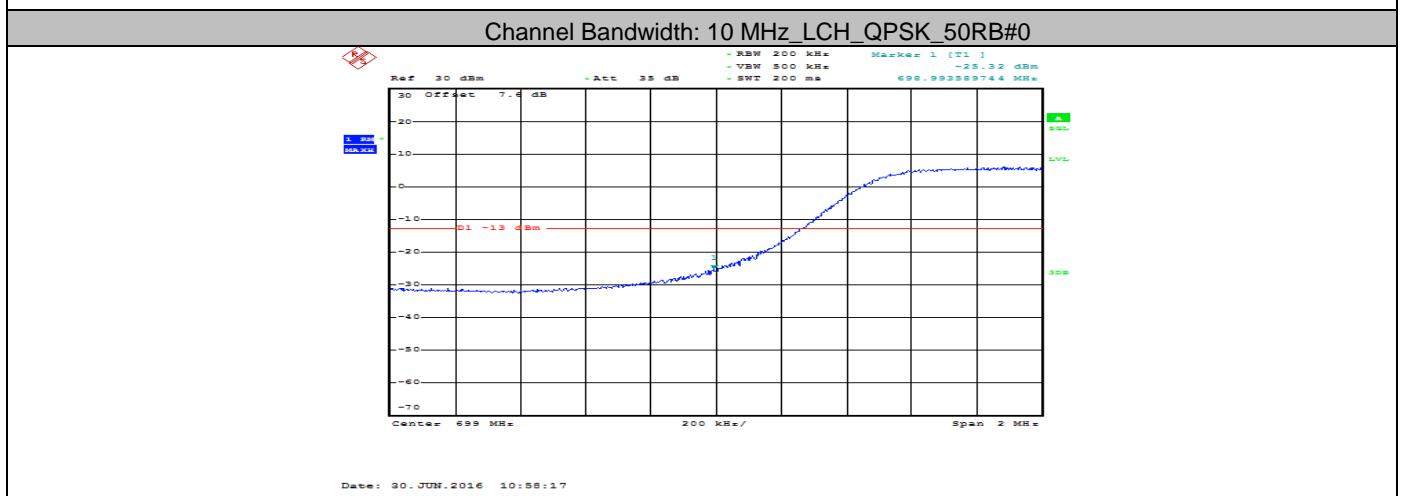
Band edge measurement
LTE Band 12
Channel Bandwidth: 10 MHz



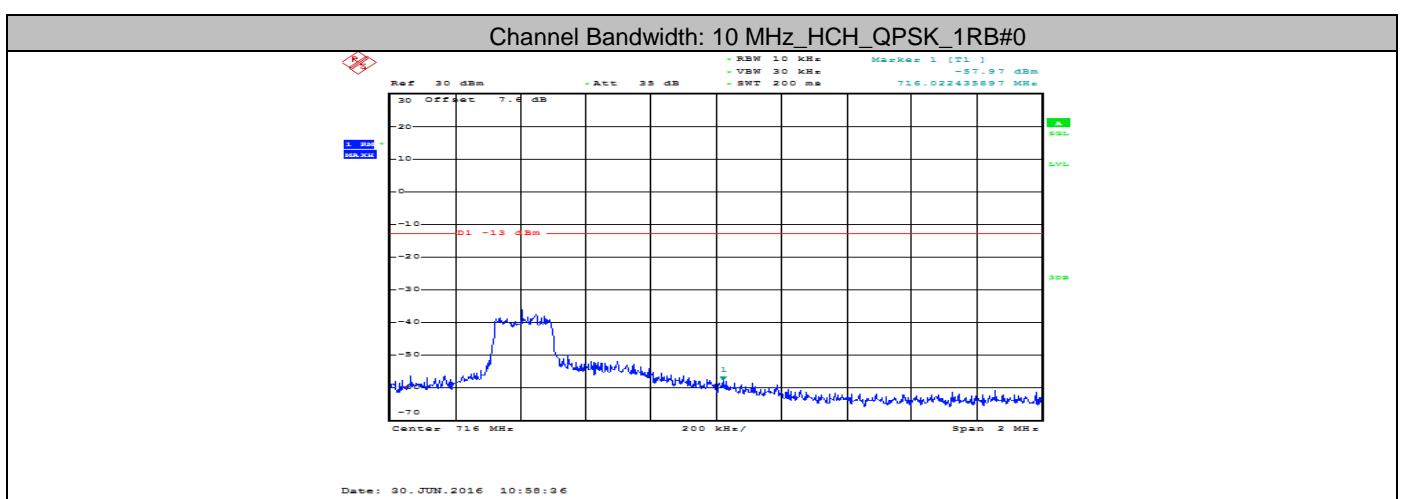




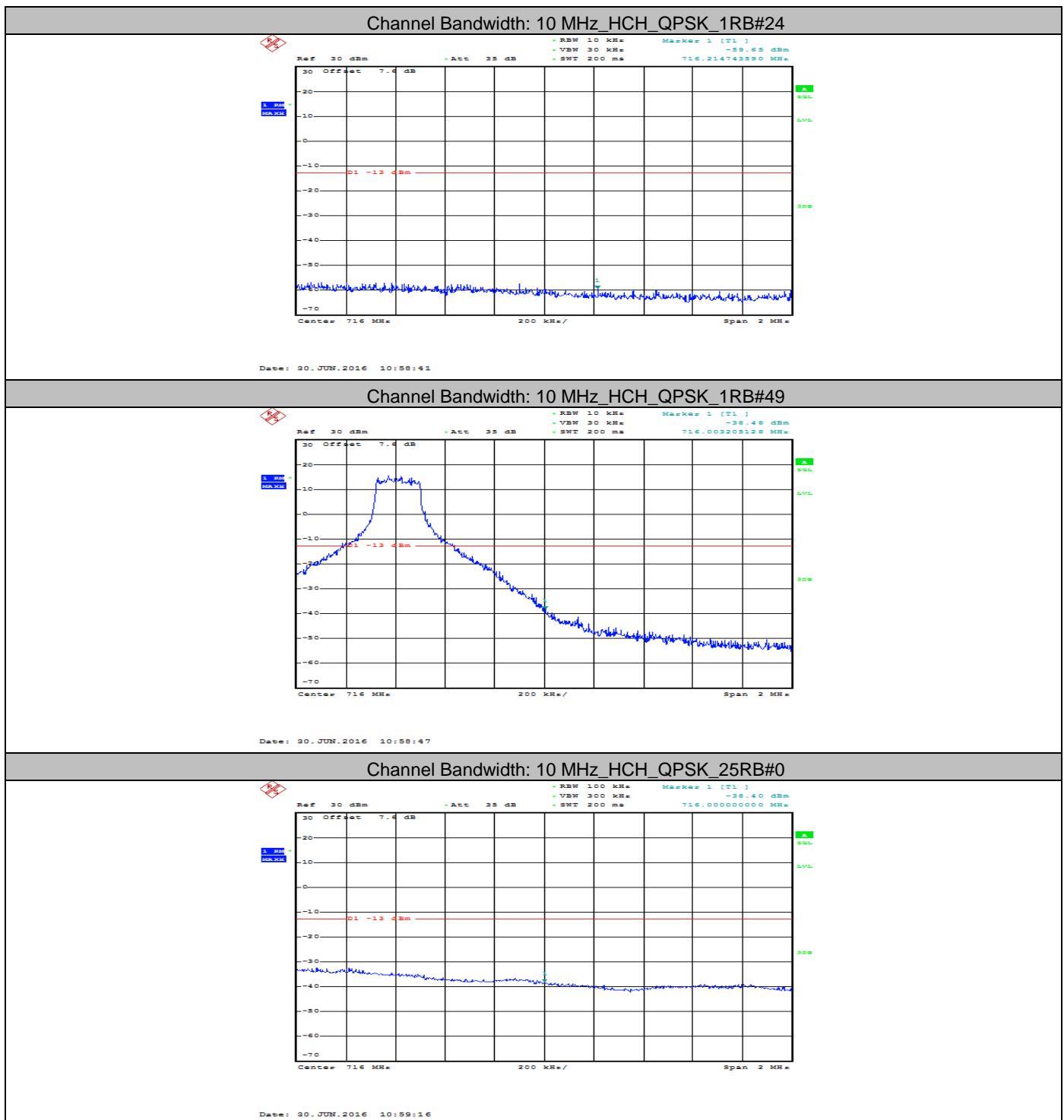
Date: 30.JUN.2016 10:57:48

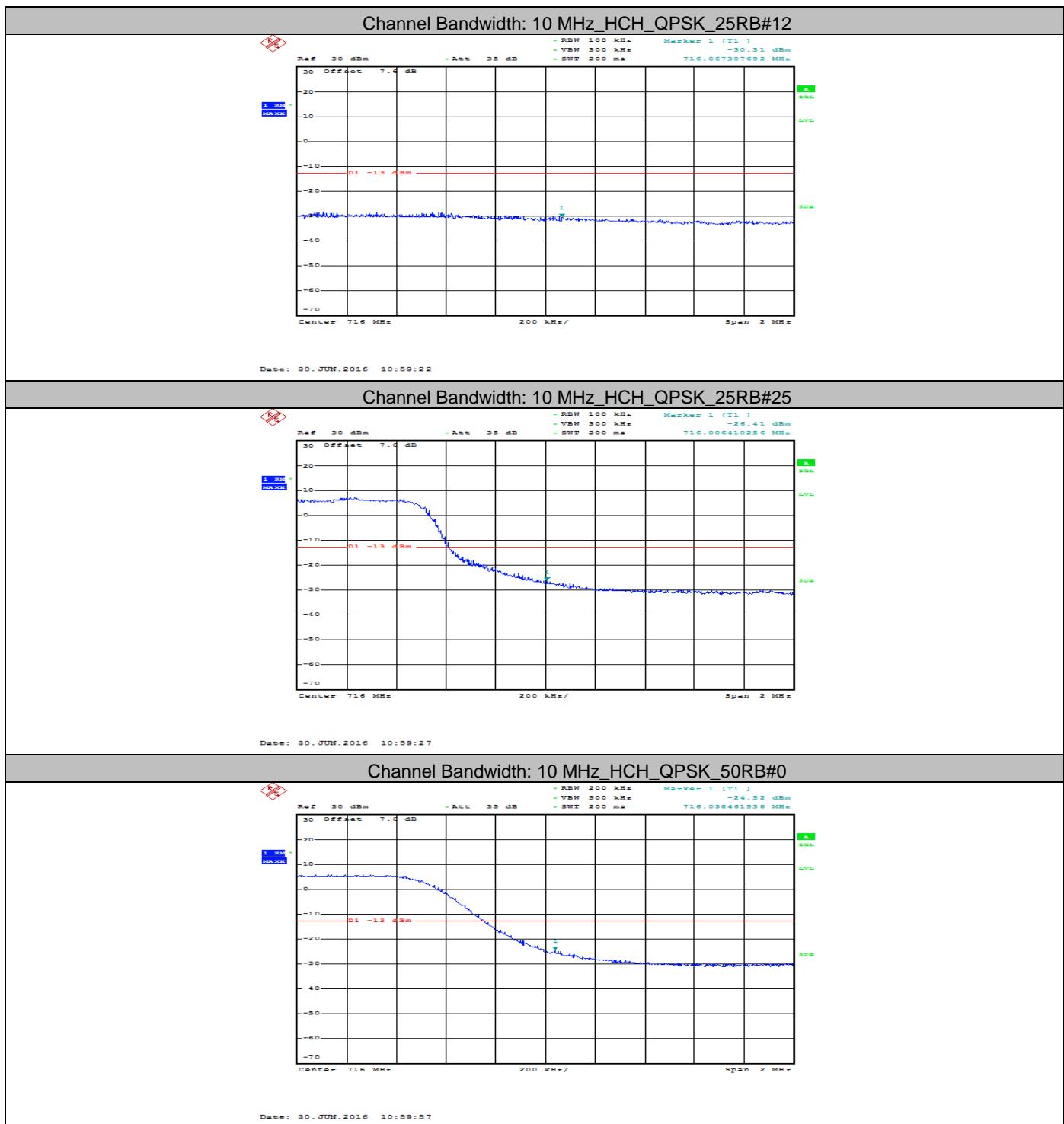


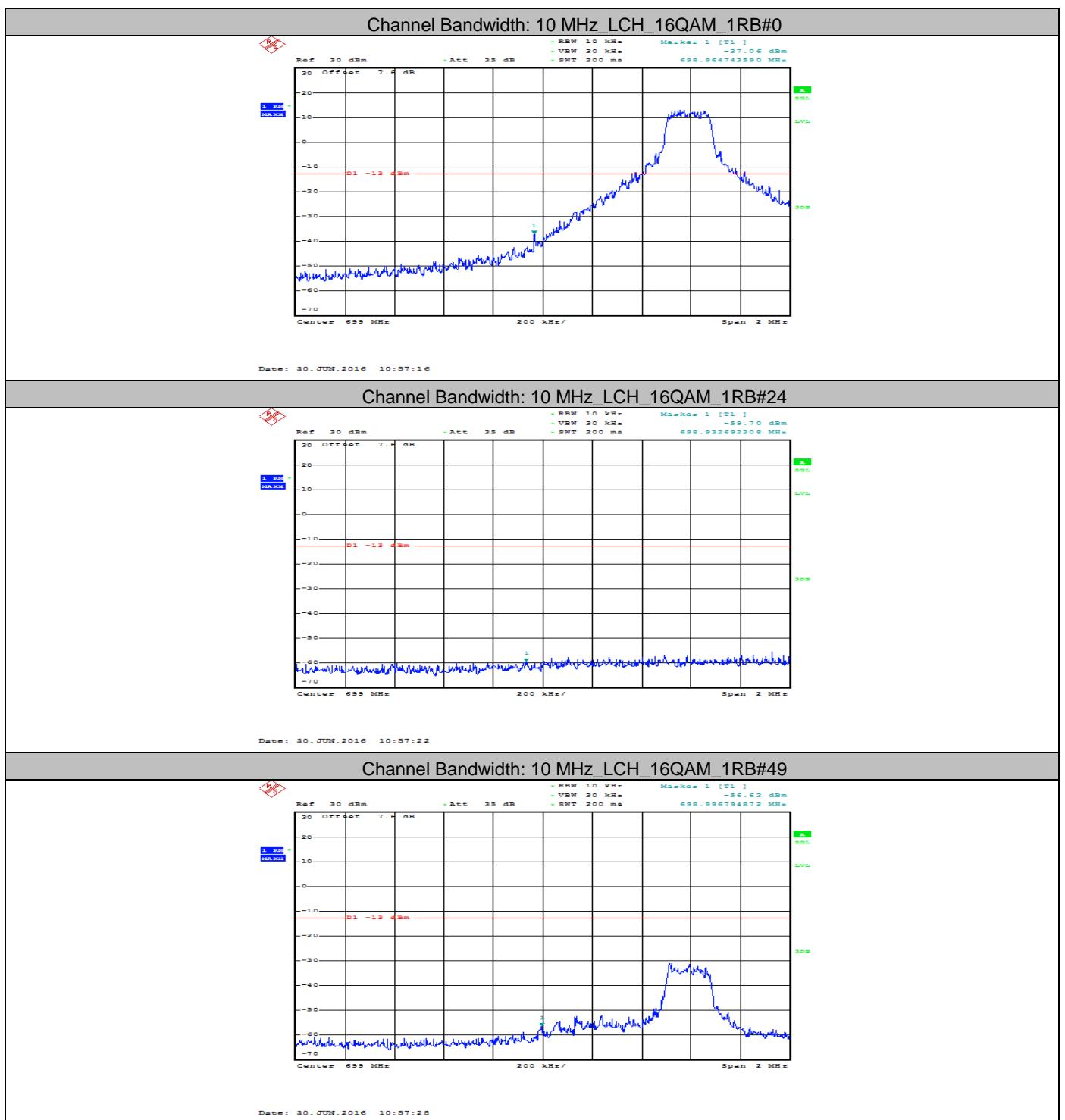
Date: 30.JUN.2016 10:58:17

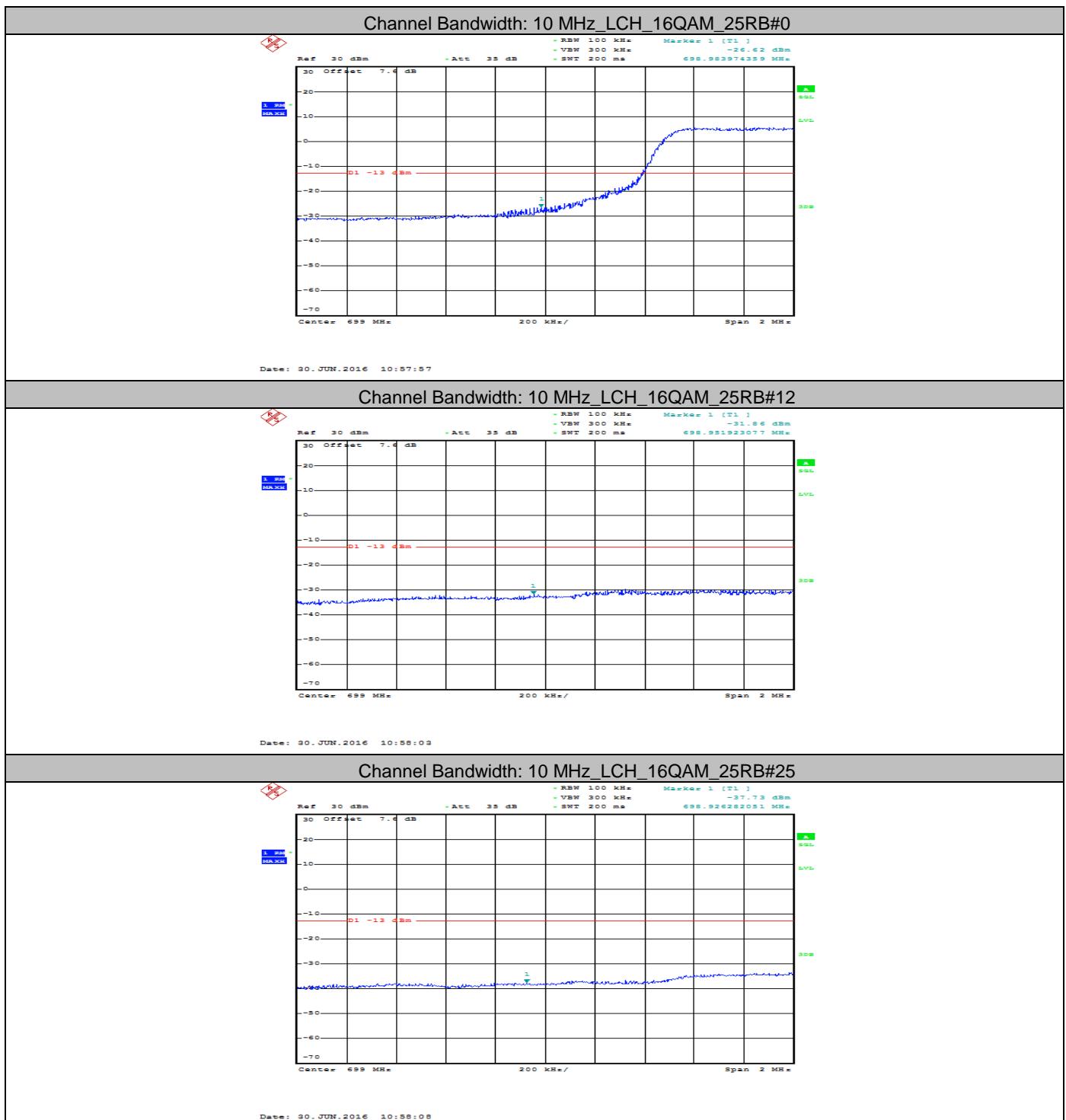


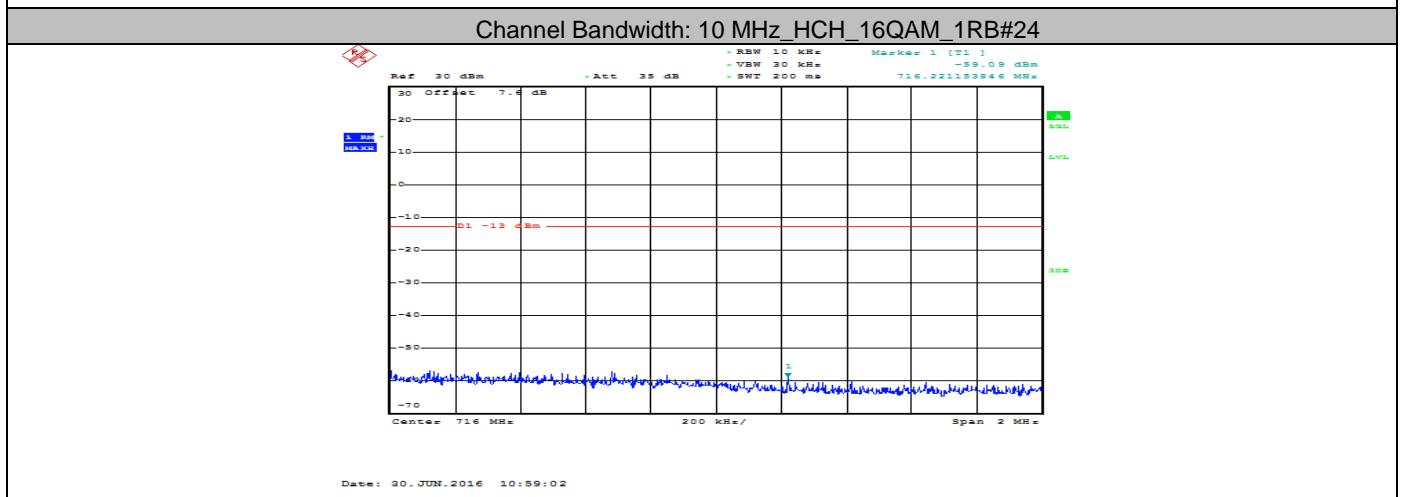
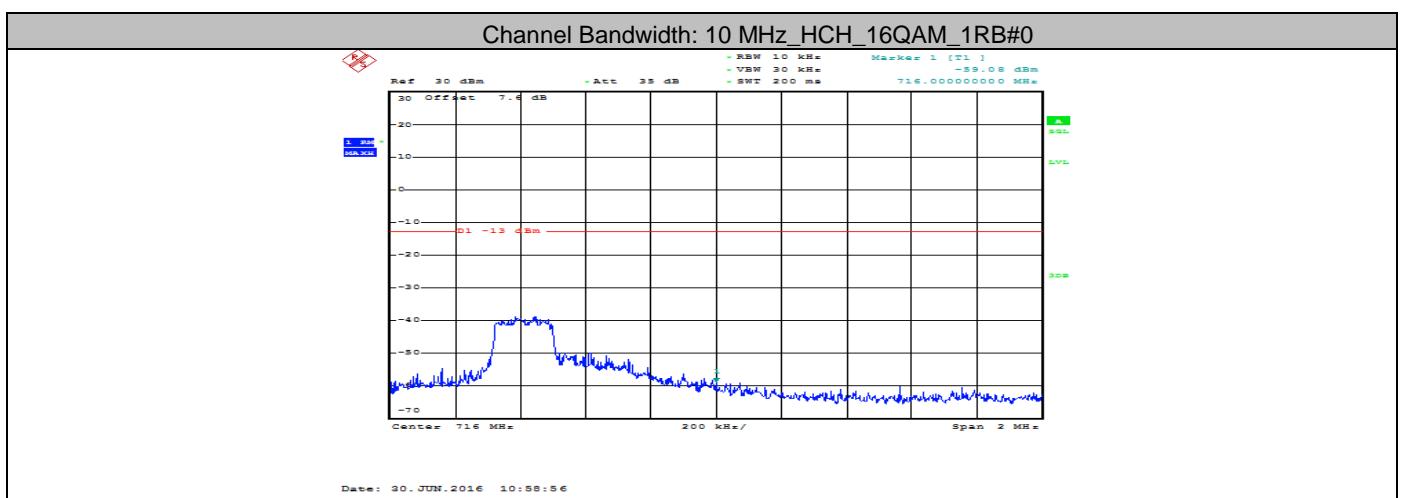
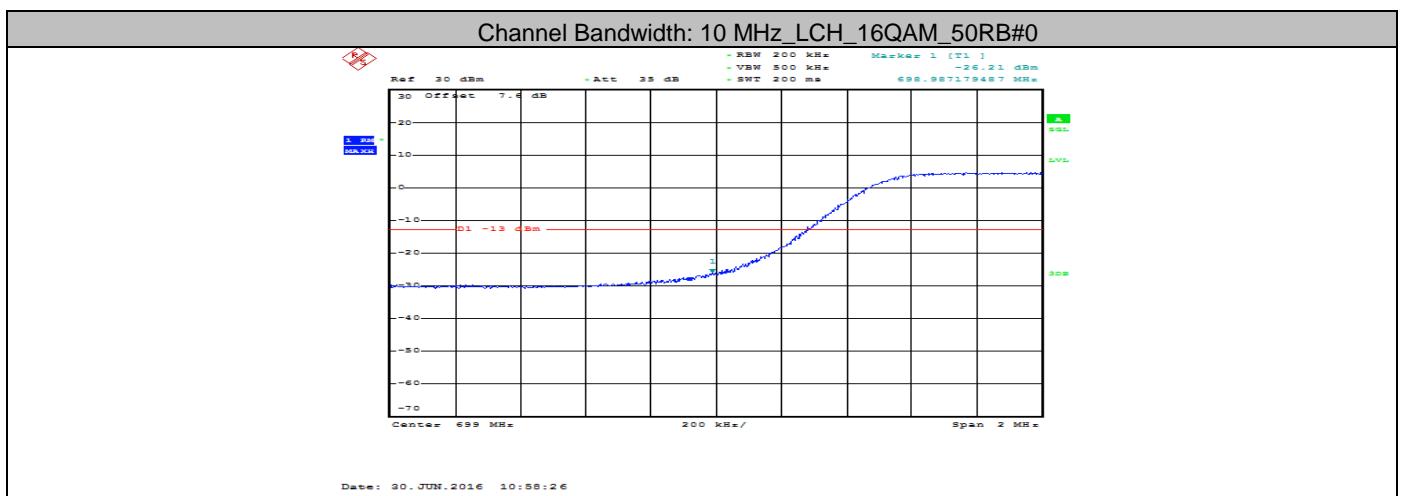
Date: 30.JUN.2016 10:58:36

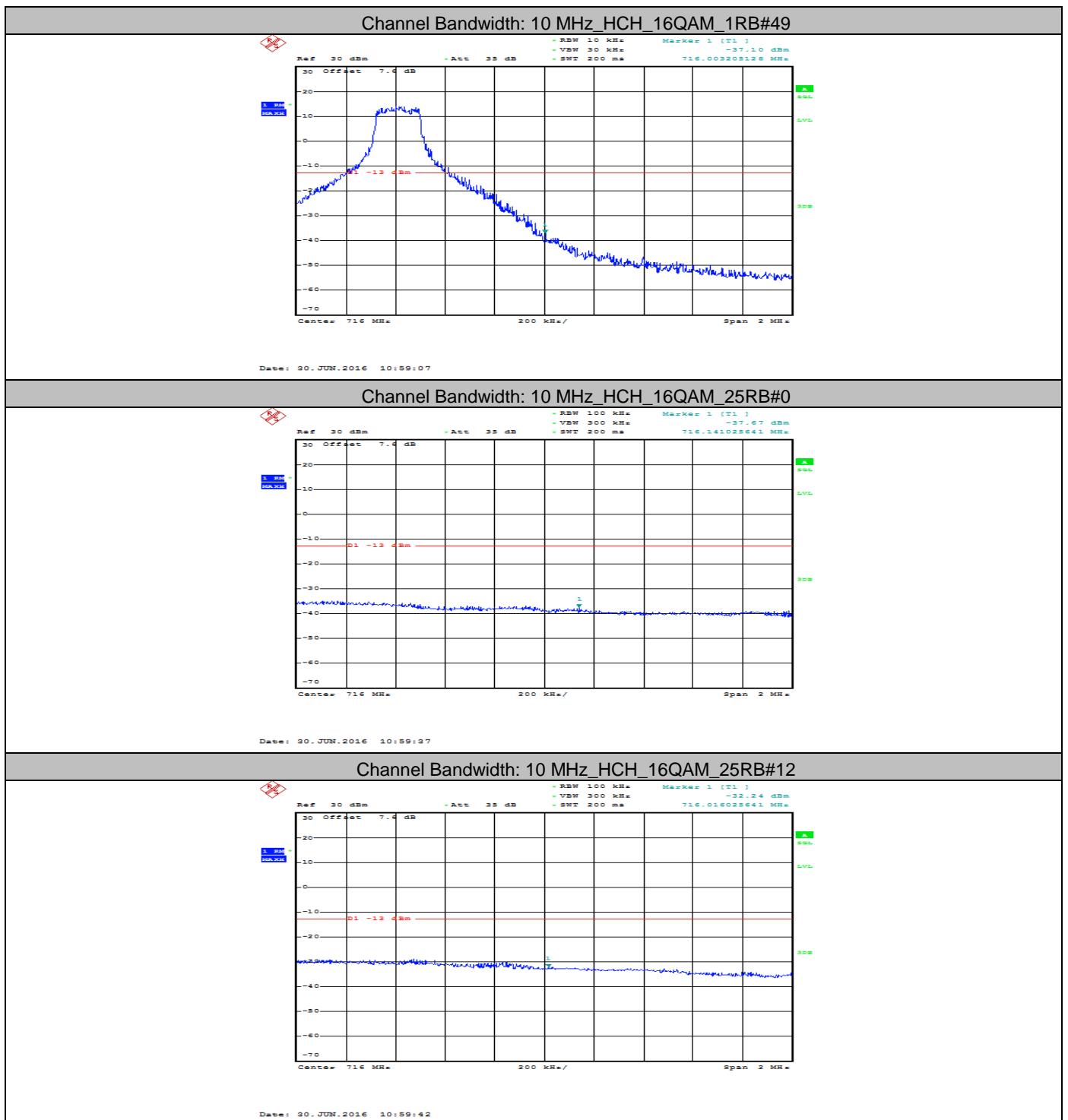


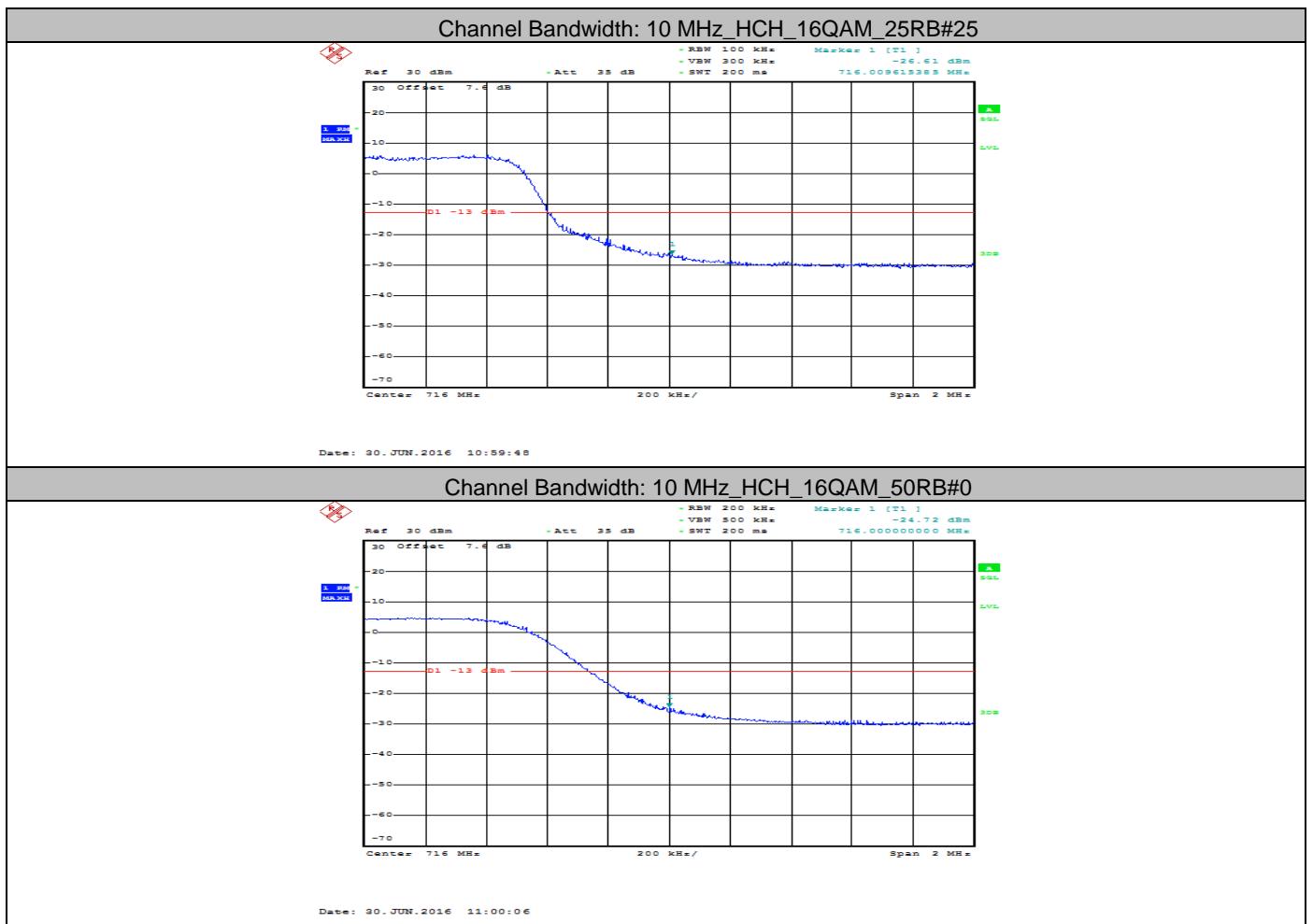












4.5. Spurious Emissions Radiated

4.5.1. Test Standard

FCC: CFR Part 2.1053, CFR Part 22.917, CFR Part 24.238, CFR Part 27

4.5.2. Test Limit

Measurements shall be made to detect spurious emissions that may be radiated directly from the cabinet, control circuits, power leads or intermediate circuit elements under normal conditions of installation and operation. Curves or equivalent data shall be supplied showing the magnitude of each harmonic and other spurious emission.

5.5.3 Limits:

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

For all power levels +30dBm to 0dBm, this becomes a constant specification of -13dBm.

5.5.3.1 FCC 22.917 Emission limitations for cellular equipment.

The rules in this section govern the spectral characteristics of emissions in the Cellular Radiotelephone Service.

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

5.5.3.2 FCC 24.238 Emission limitations for Broadband PCS equipment.

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

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.