LTE Band 12
Channel Bandwidth: 3 MHz
Test Mode=QPSK/TM4

(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

Date: 26.AUG.2017 17:33:18

(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

Date: 26.AUG.2017 17:34:57

(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

Date: 26.AUG.2017 17:36:37

LTE Band 12
Channel Bandwidth: 3 MHz
Test Mode=16QAM/TM5

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

Date: 26.AUG.2017 17:33:27

(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

Date: 26.AUG.2017 17:35:06

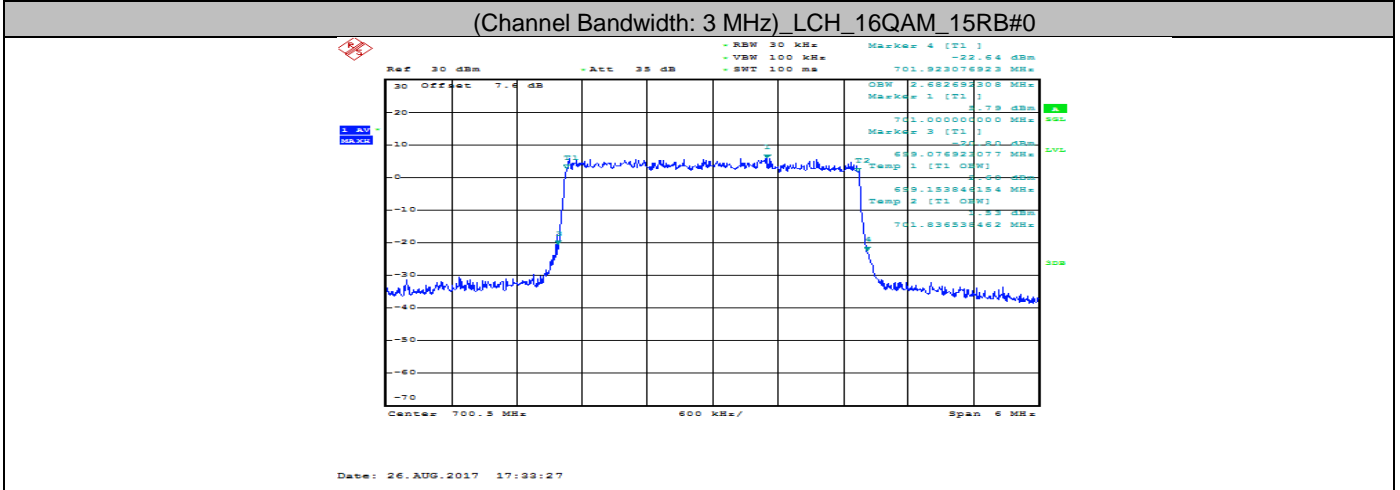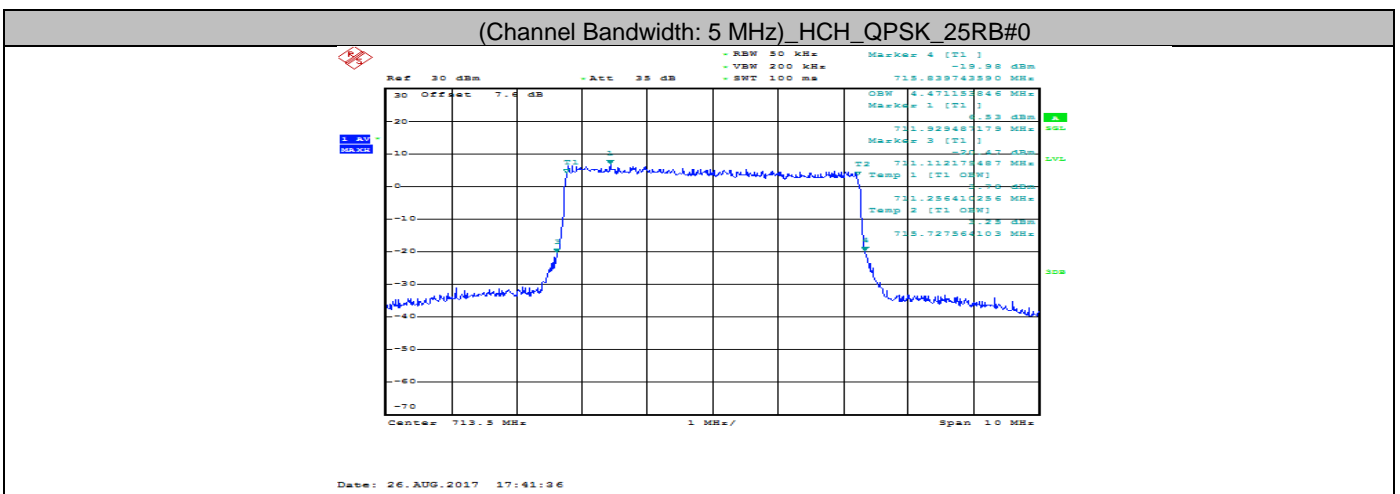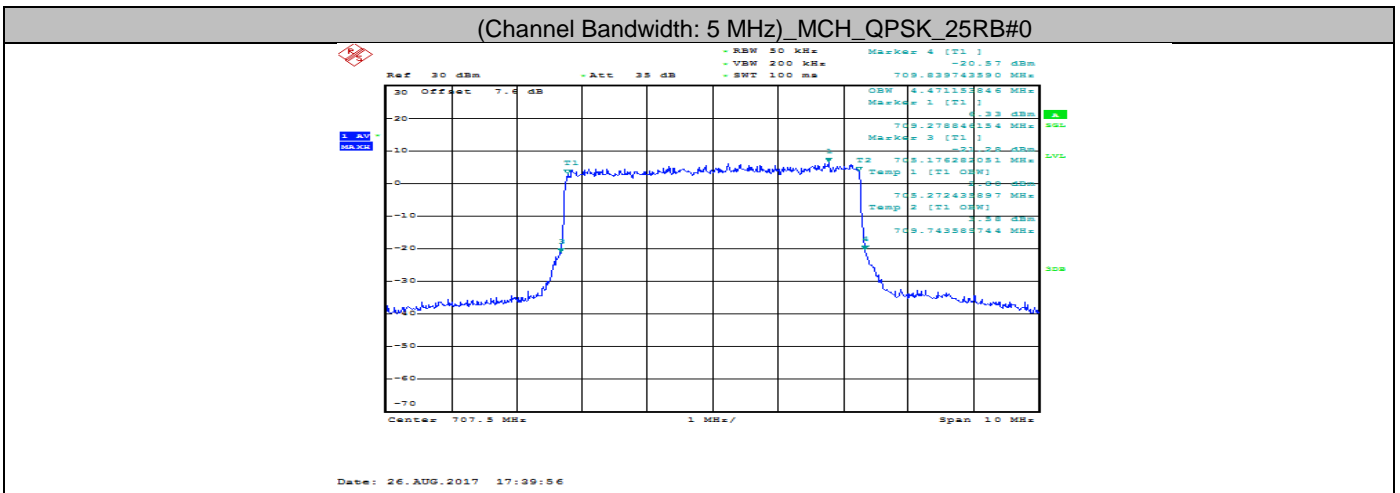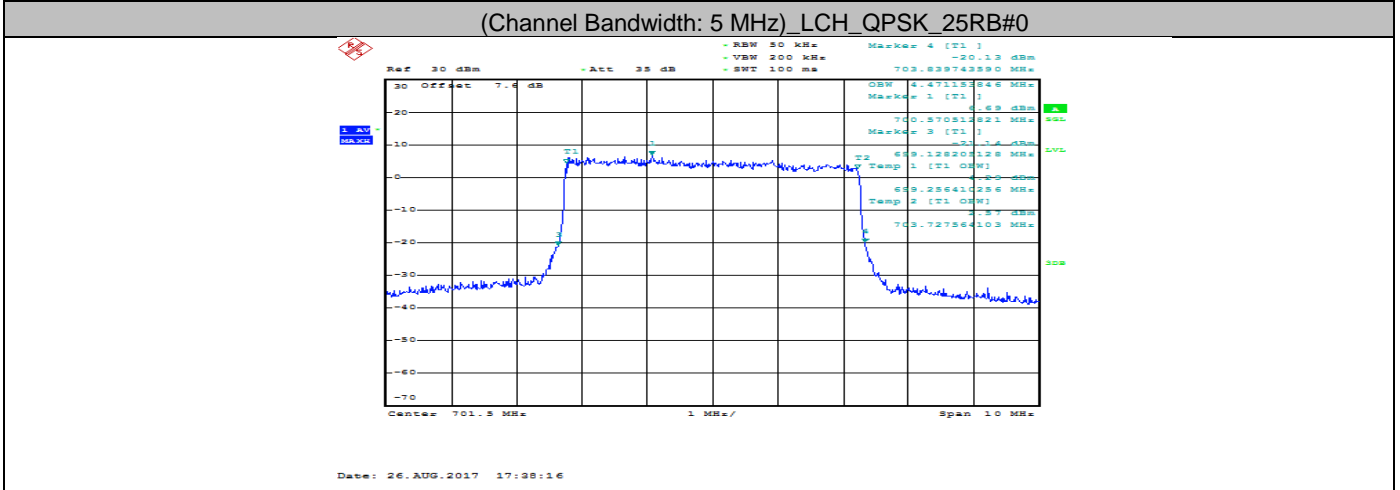
(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

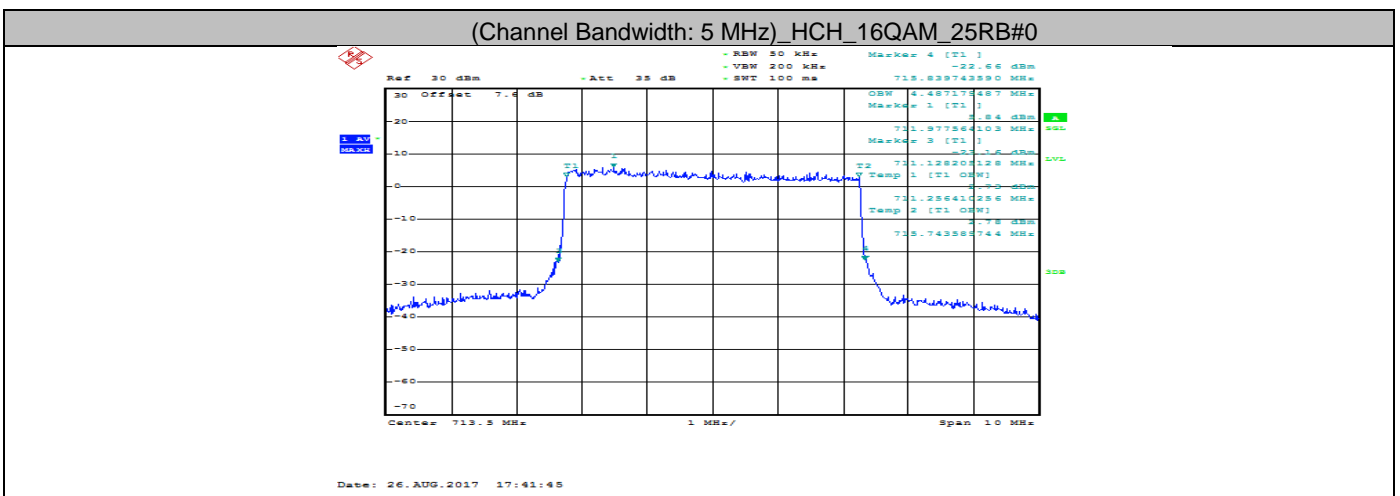Date: 26.AUG.2017 17:36:46

LTE Band 12
Channel Bandwidth: 5 MHz
Test Mode=QPSK/TM4

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

Date: 26.AUG.2017 17:38:16

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

Date: 26.AUG.2017 17:39:56

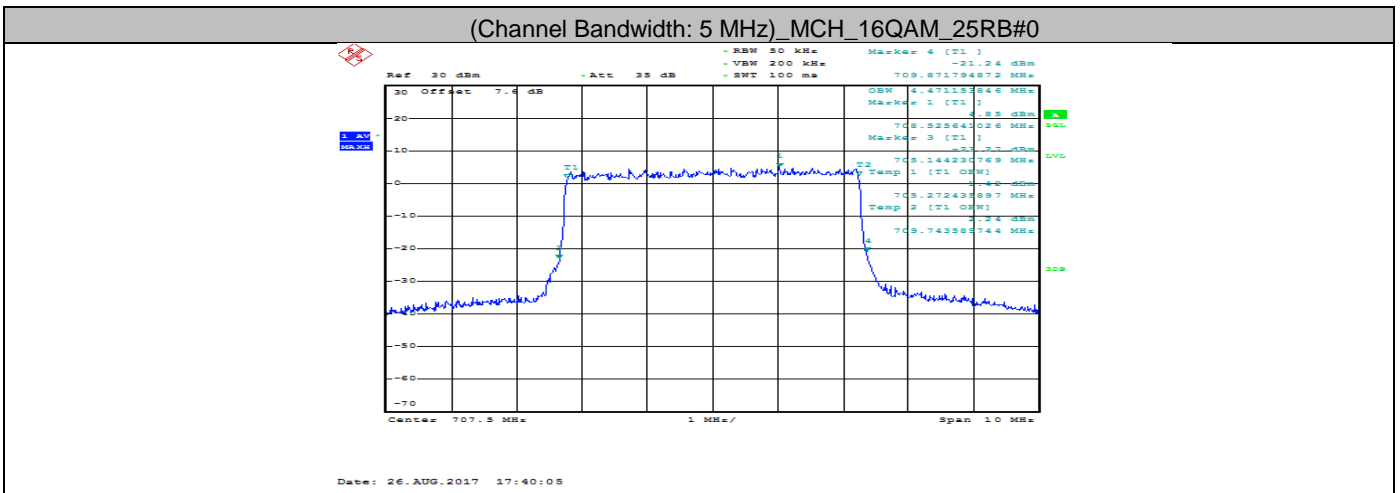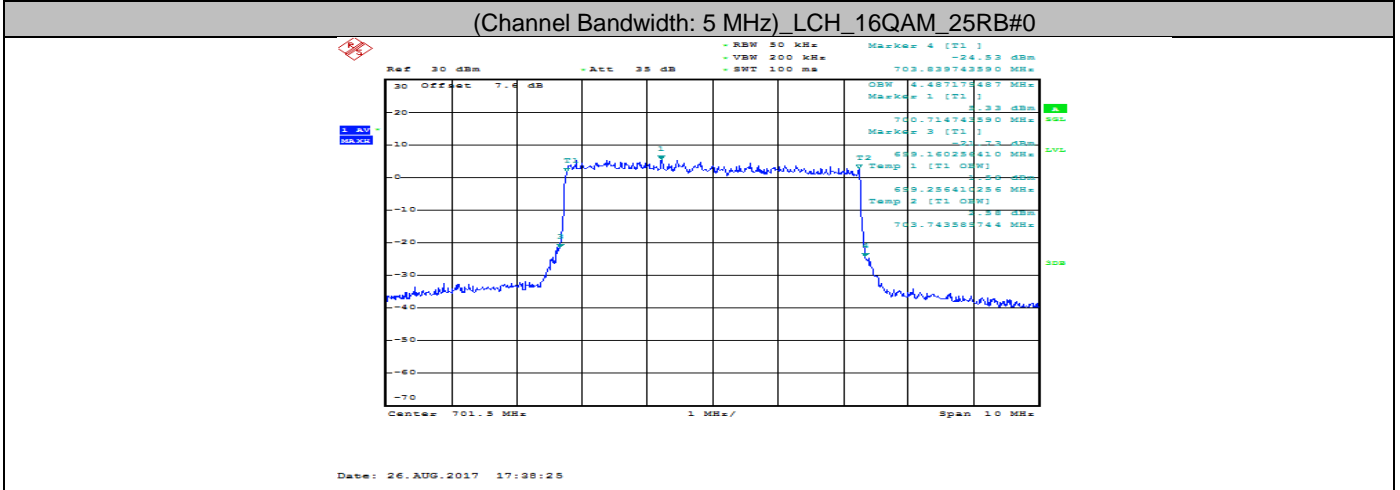
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

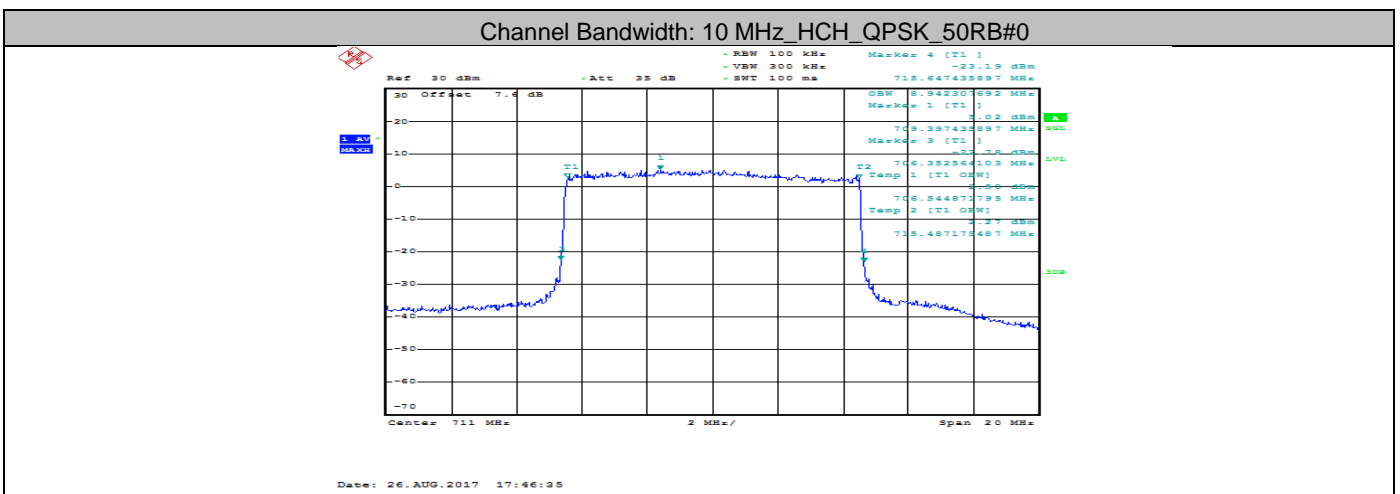Date: 26.AUG.2017 17:41:36

LTE Band 12
Channel Bandwidth: 5 MHz
Test Mode=16QAM/TM5

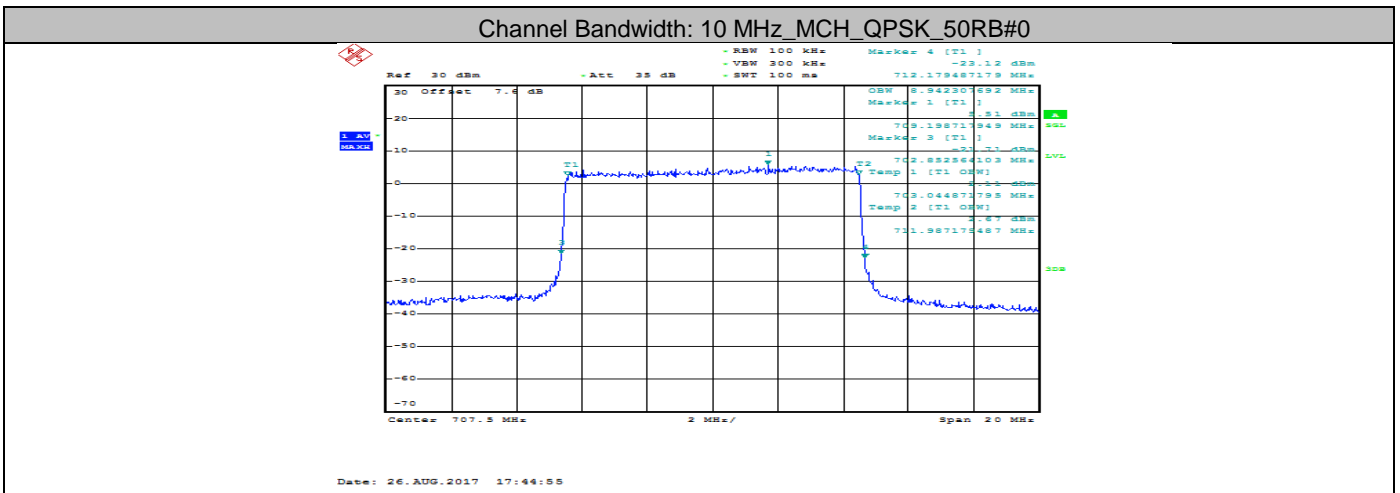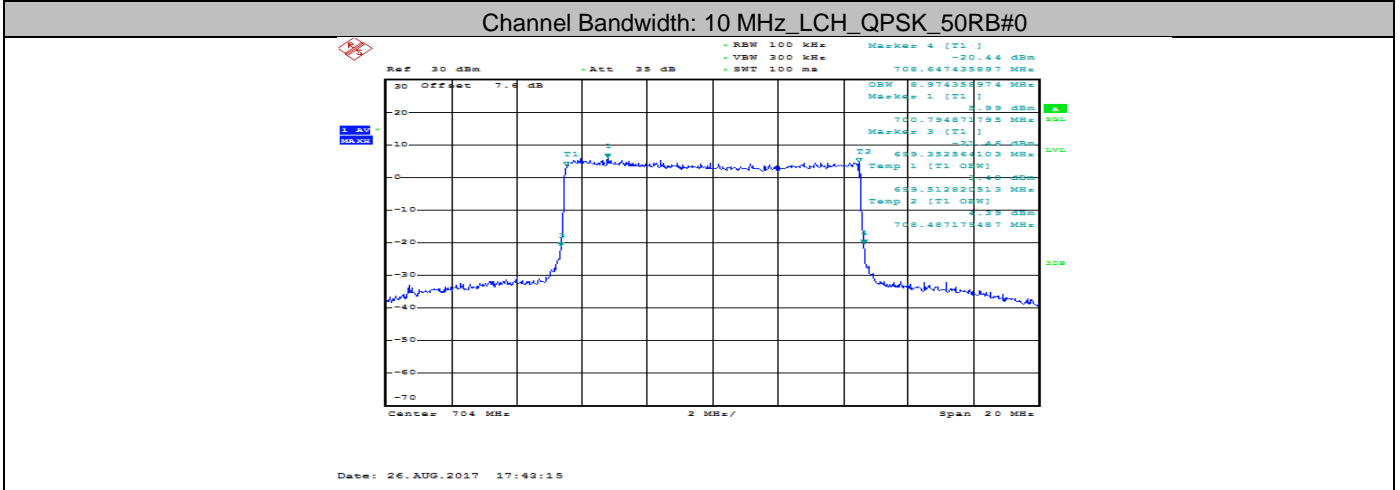(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0
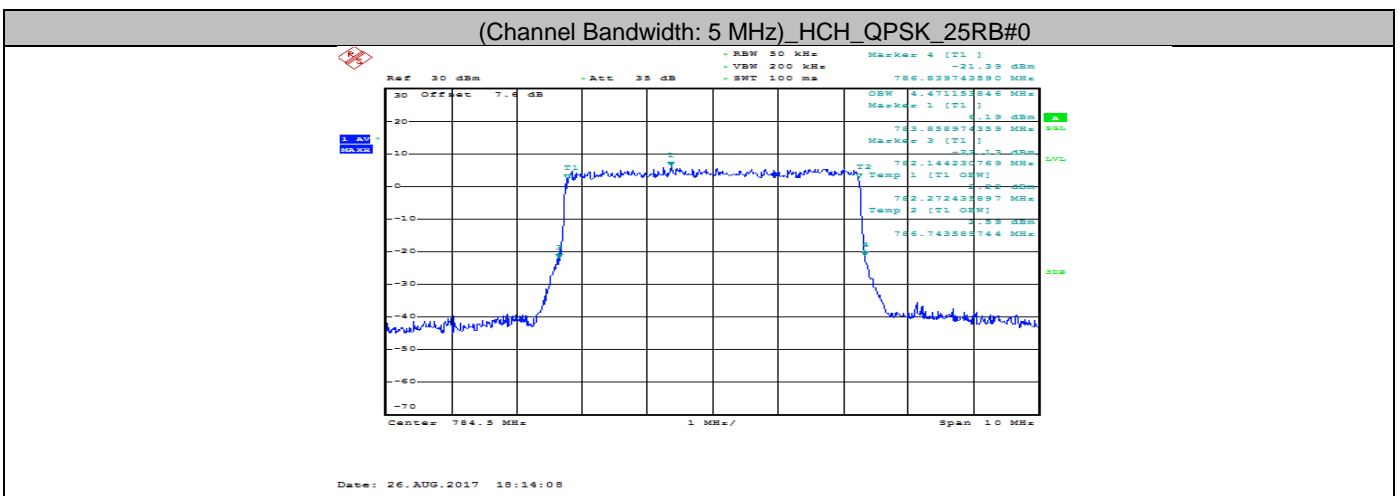
LTE Band 12
Channel Bandwidth: 10 MHz
Test Mode=QPSK/TM4

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Date: 26.AUG.2017 17:43:15

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Date: 26.AUG.2017 17:44:55
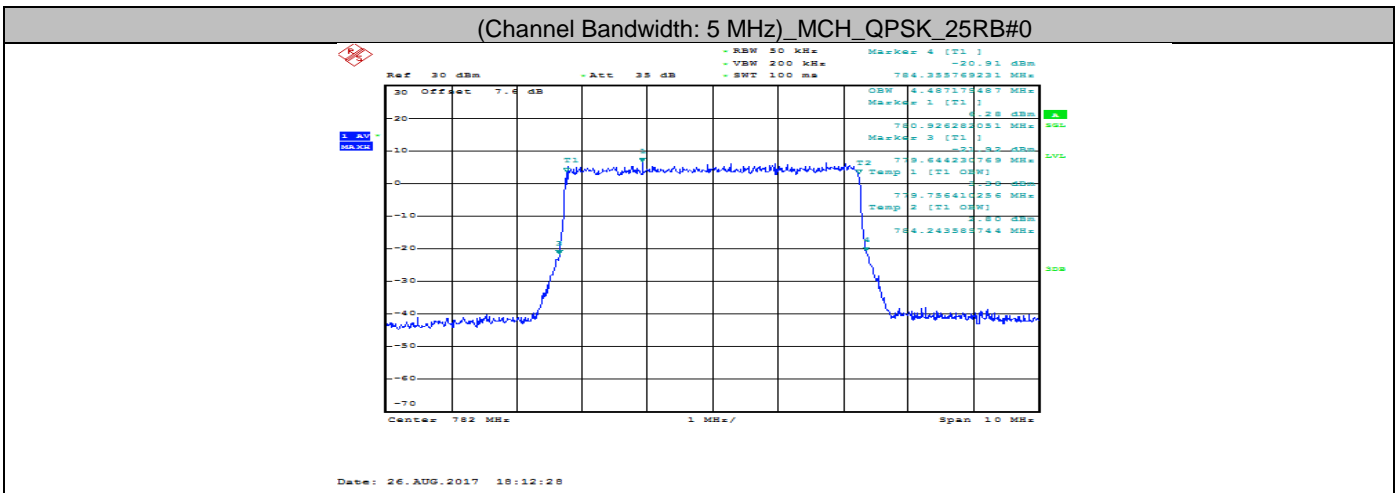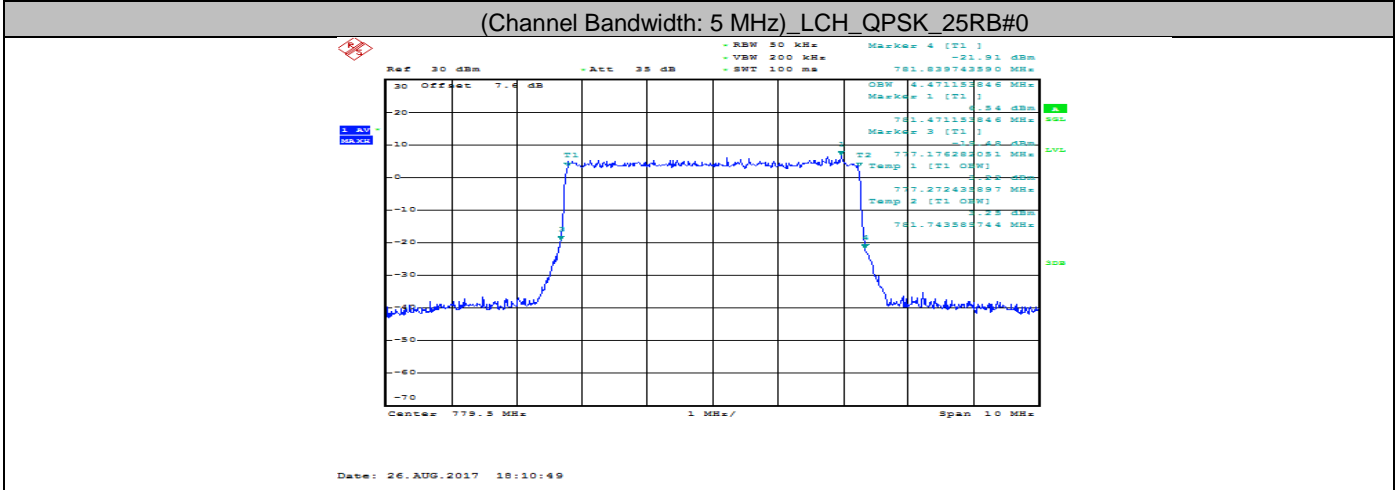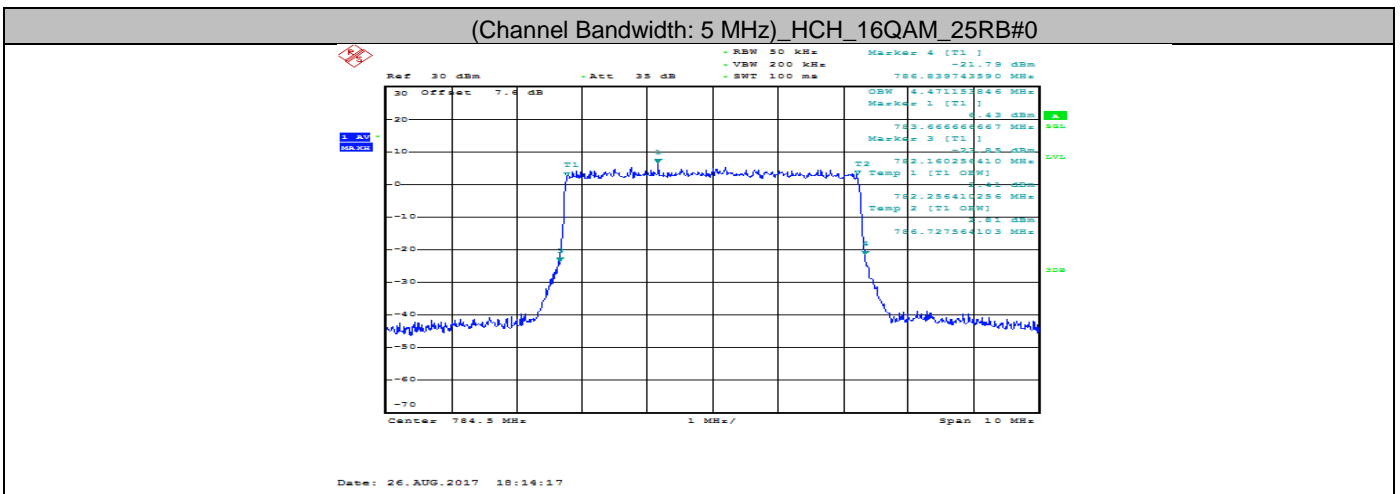

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

Date: 26.AUG.2017 17:46:35

LTE Band 12
Channel Bandwidth: 10MHz
Test Mode=16QAM/TM5

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Date: 26.AUG.2017 17:43:24

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Date: 26.AUG.2017 17:45:04

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

Date: 26.AUG.2017 17:46:44

LTE Band 13
Channel Bandwidth: 5 MHz
Test Mode=QPSK/TM4

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

Date: 26.AUG.2017 18:10:49

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

Date: 26.AUG.2017 18:12:28

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

Date: 26.AUG.2017 18:14:08

LTE Band 13
Channel Bandwidth: 5 MHz
Test Mode=16QAM/TM5

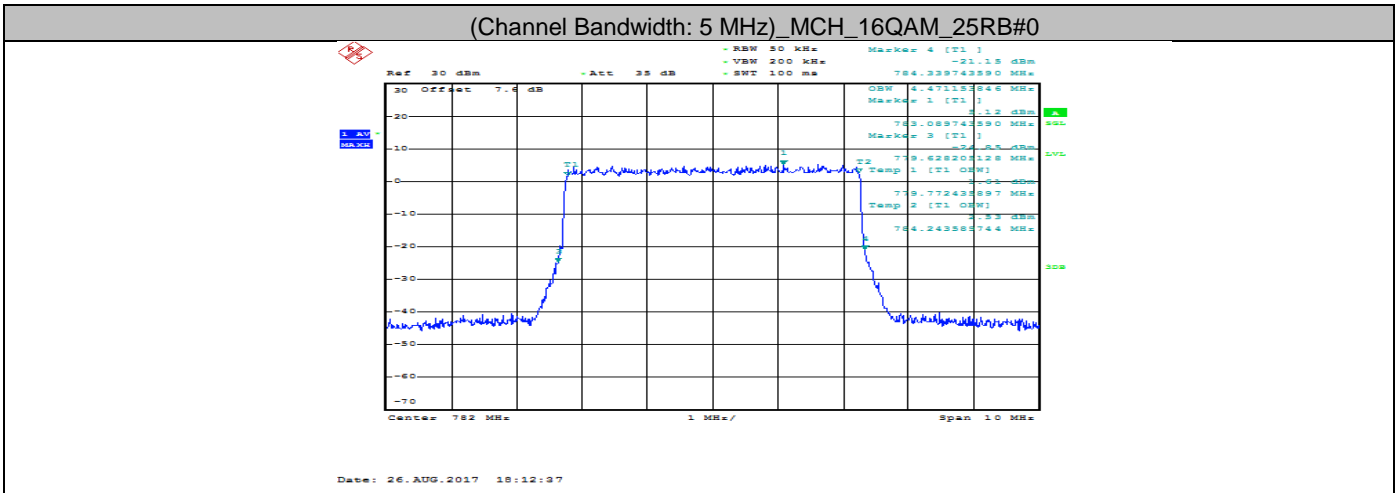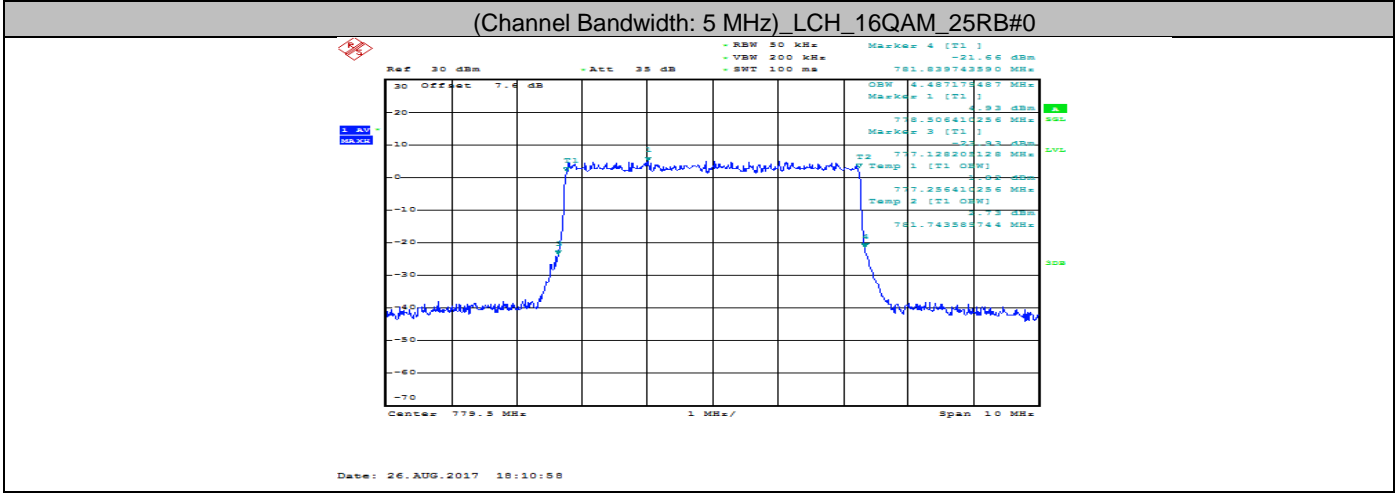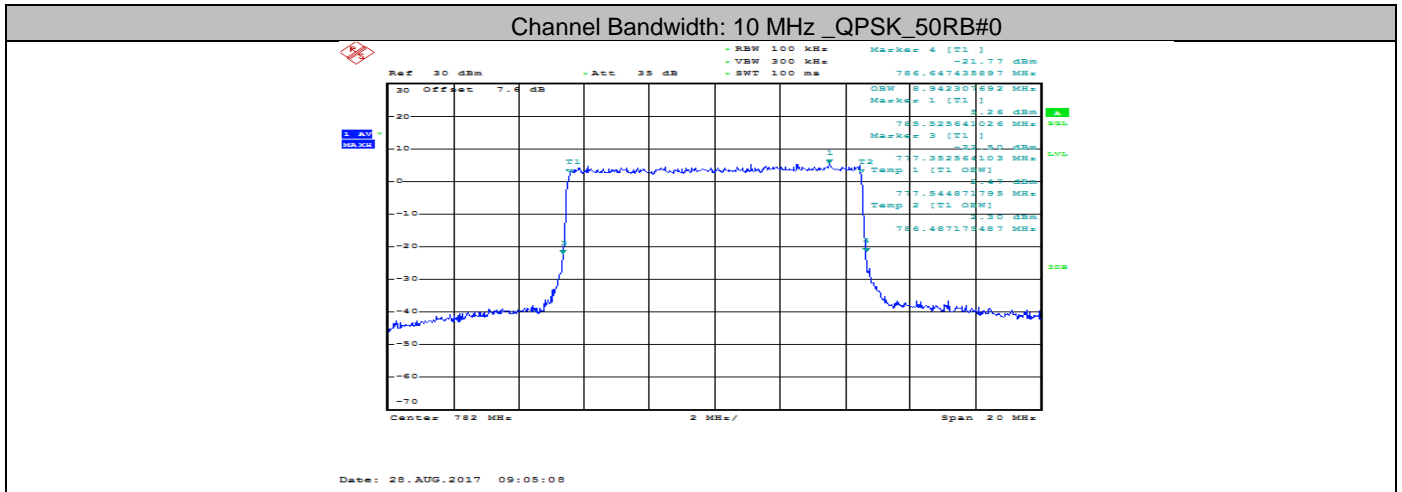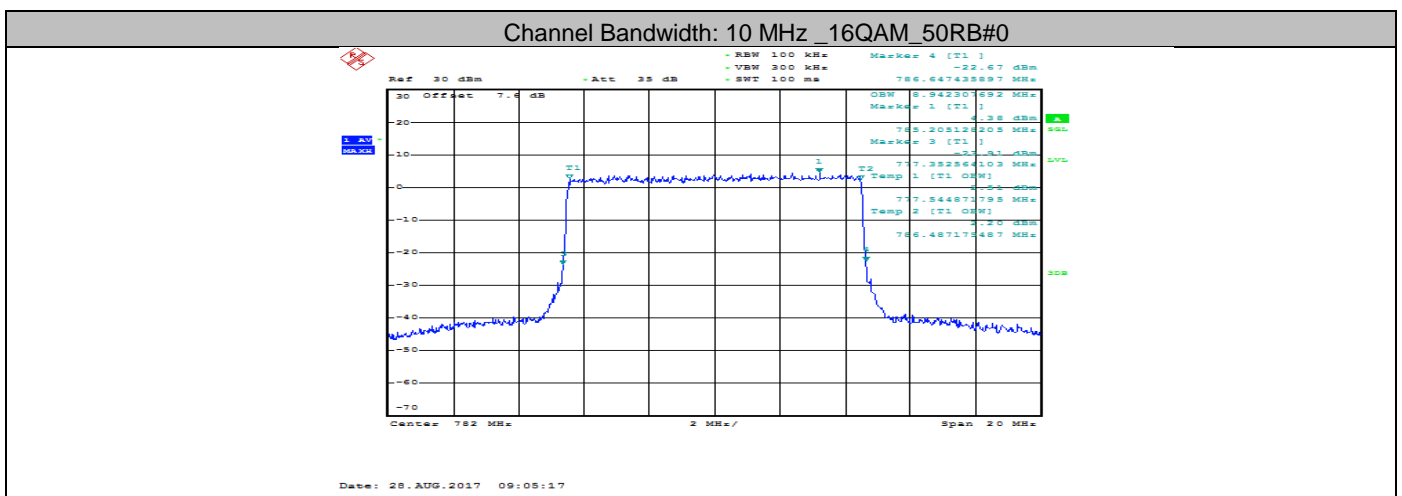(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

LTE Band 13
Channel Bandwidth: 10 MHz
Test Mode=QPSK/TM4

LTE Band 13
Channel Bandwidth: 10MHz
Test Mode=16QAM/TM5
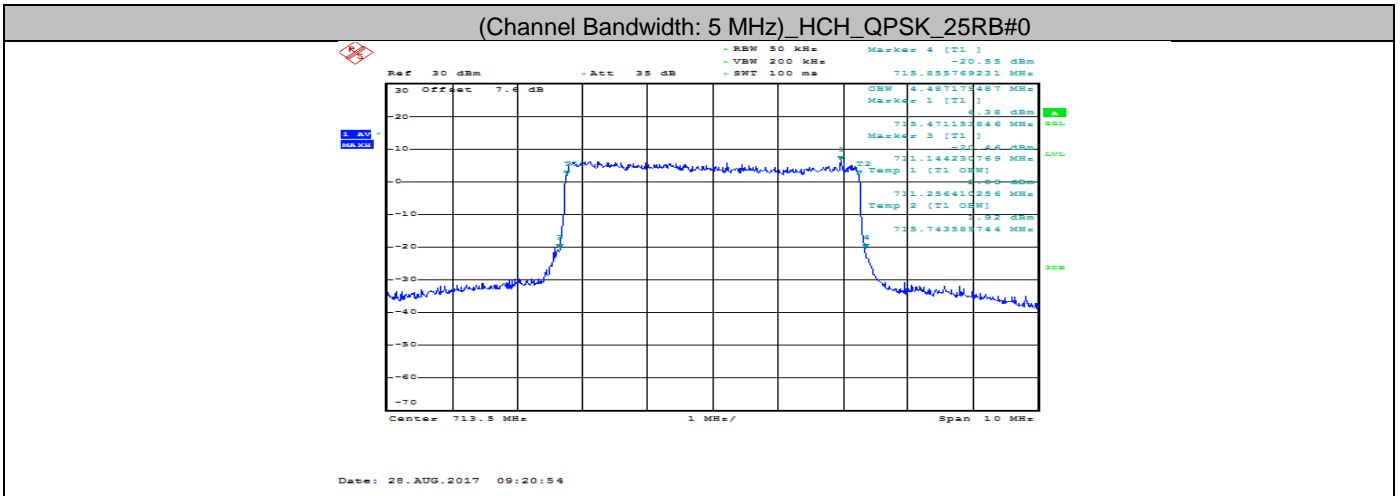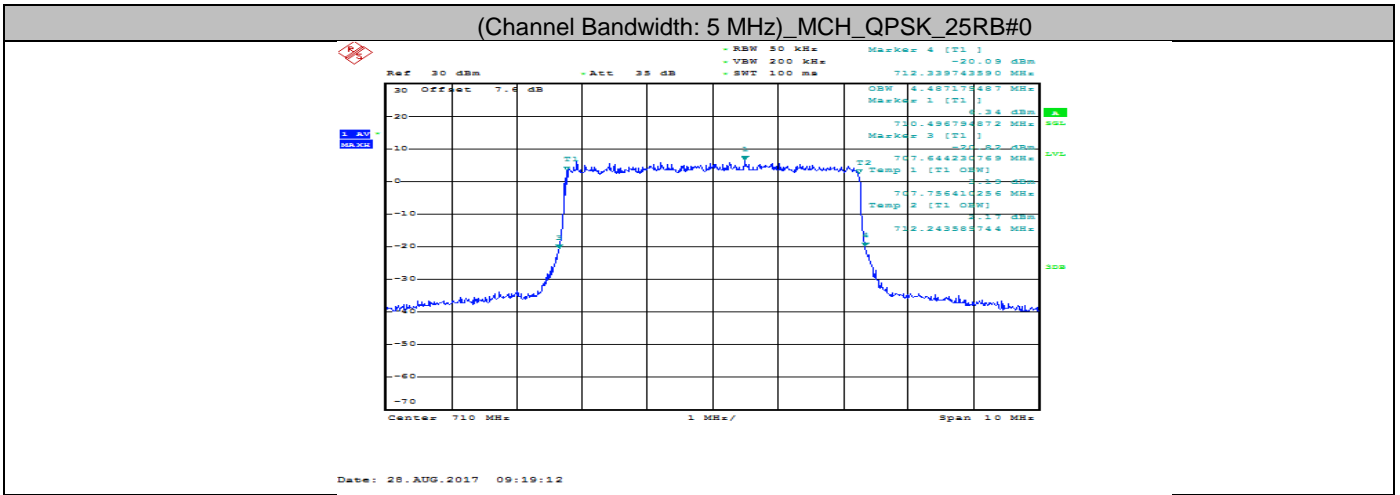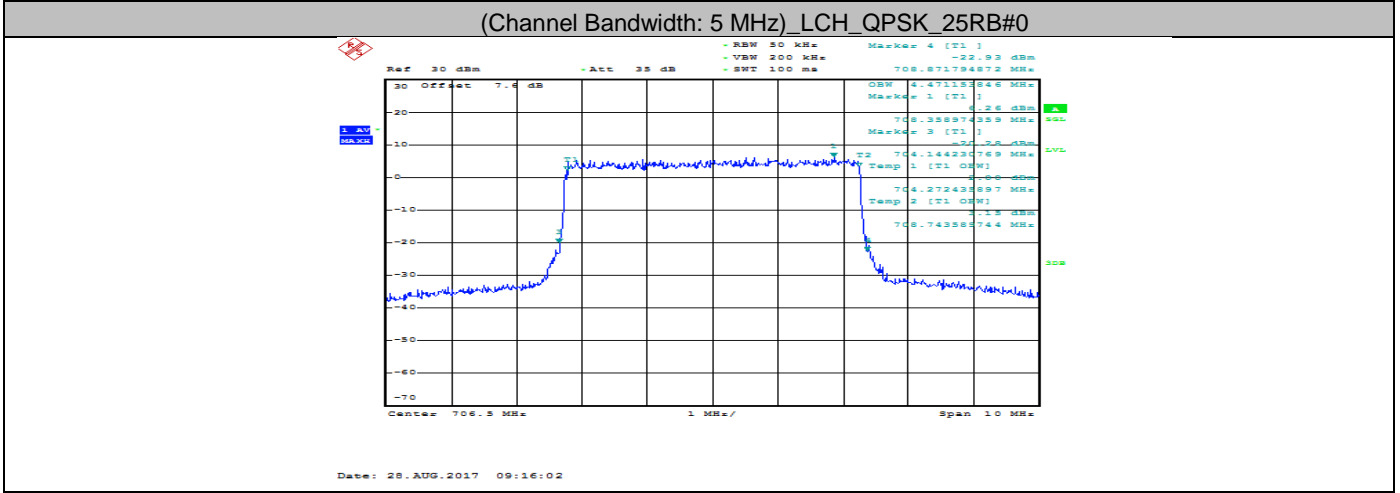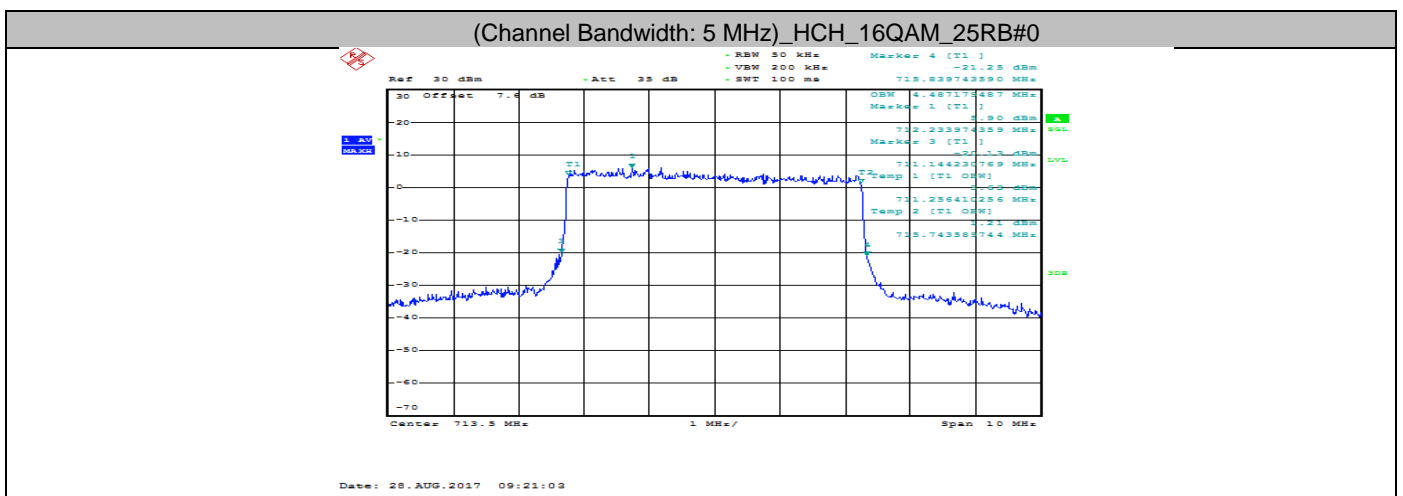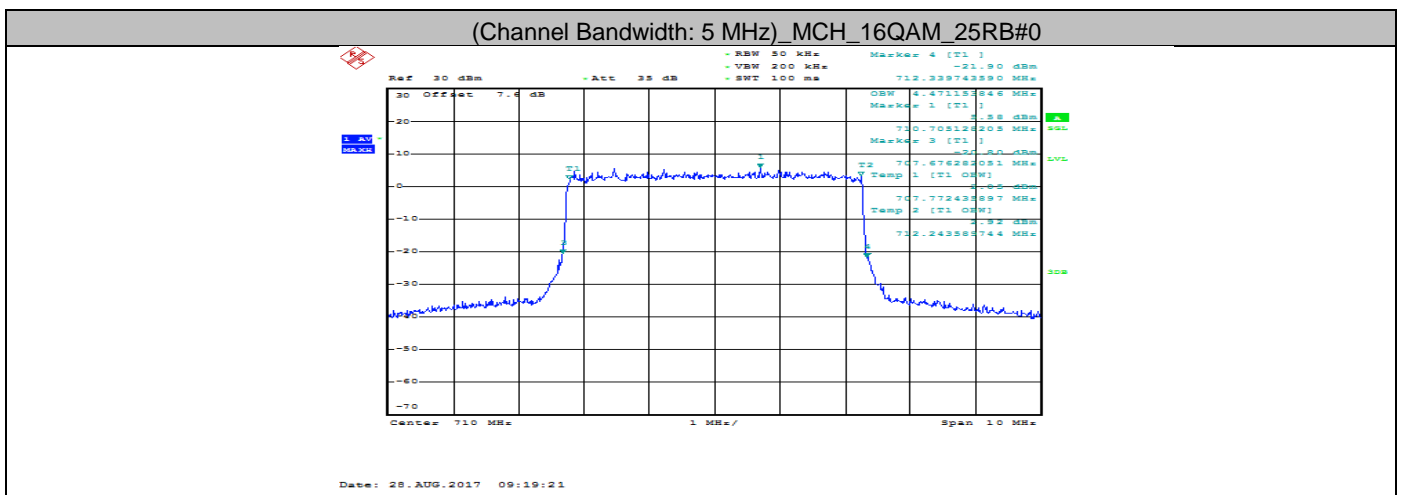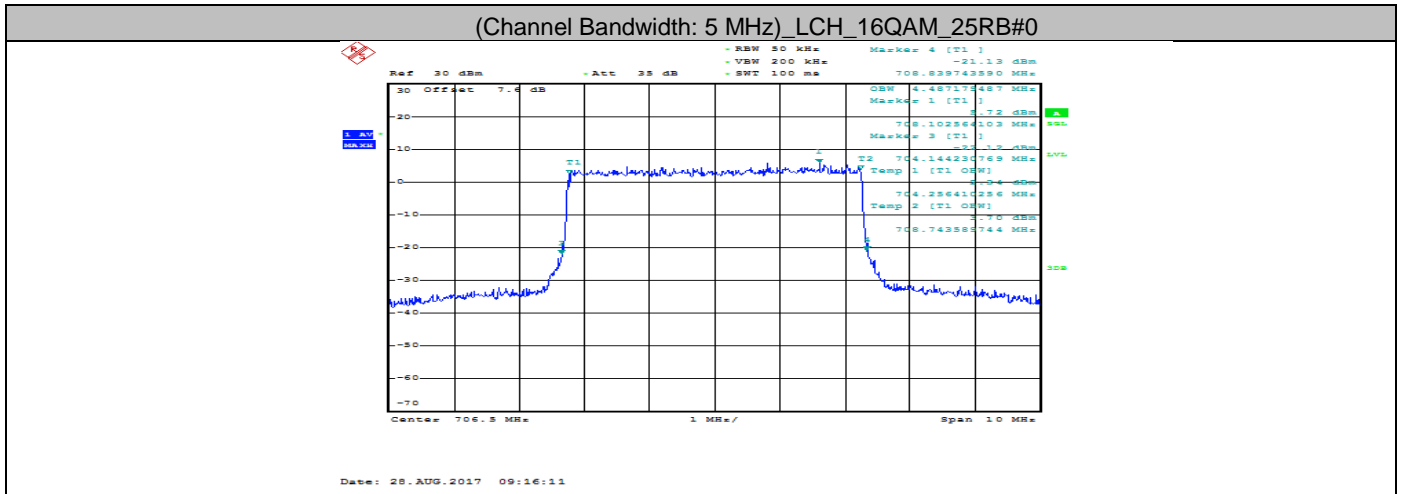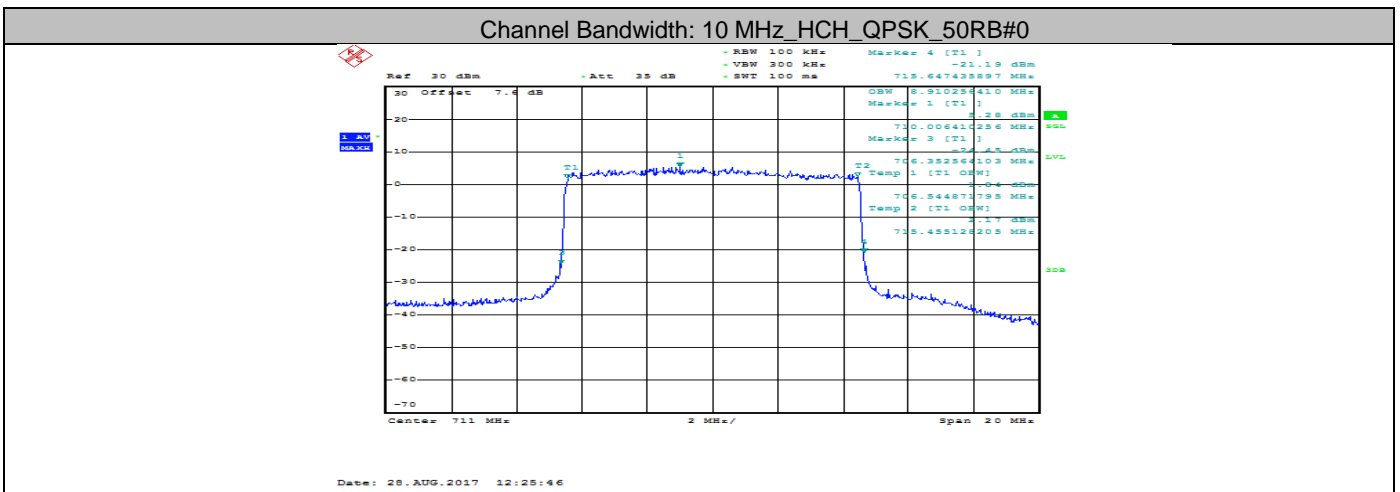
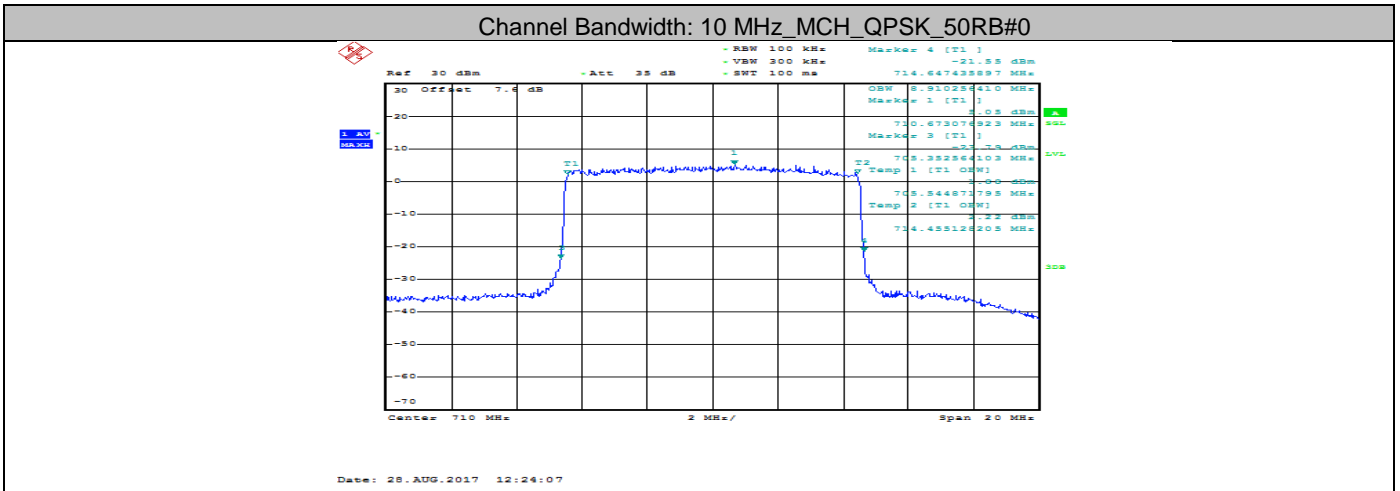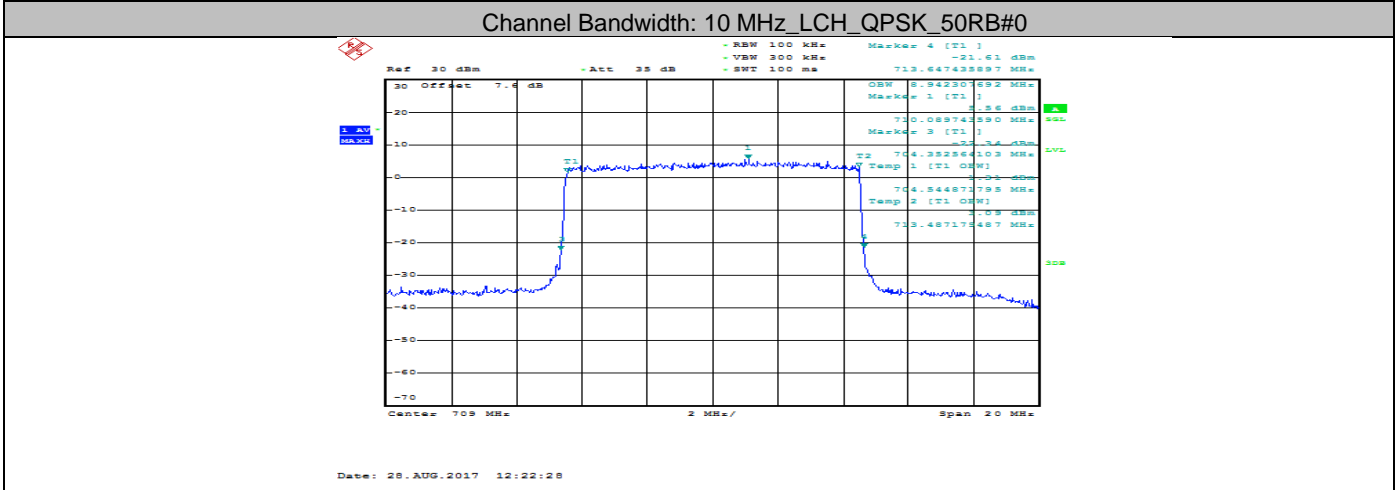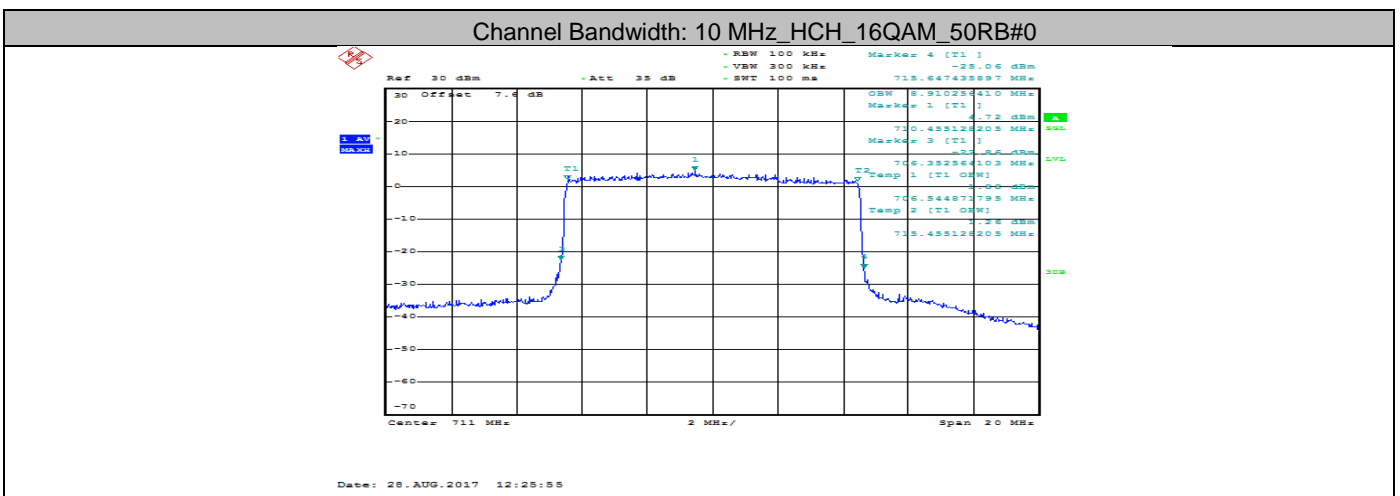LTE Band 17
Channel Bandwidth: 5 MHz
Test Mode=QPSK/TM4

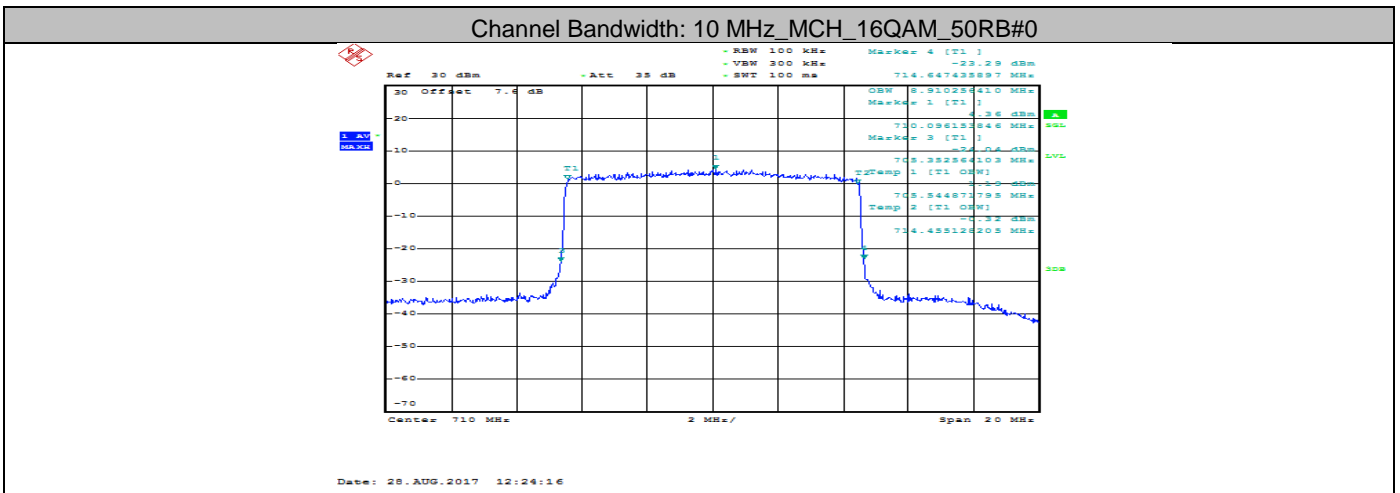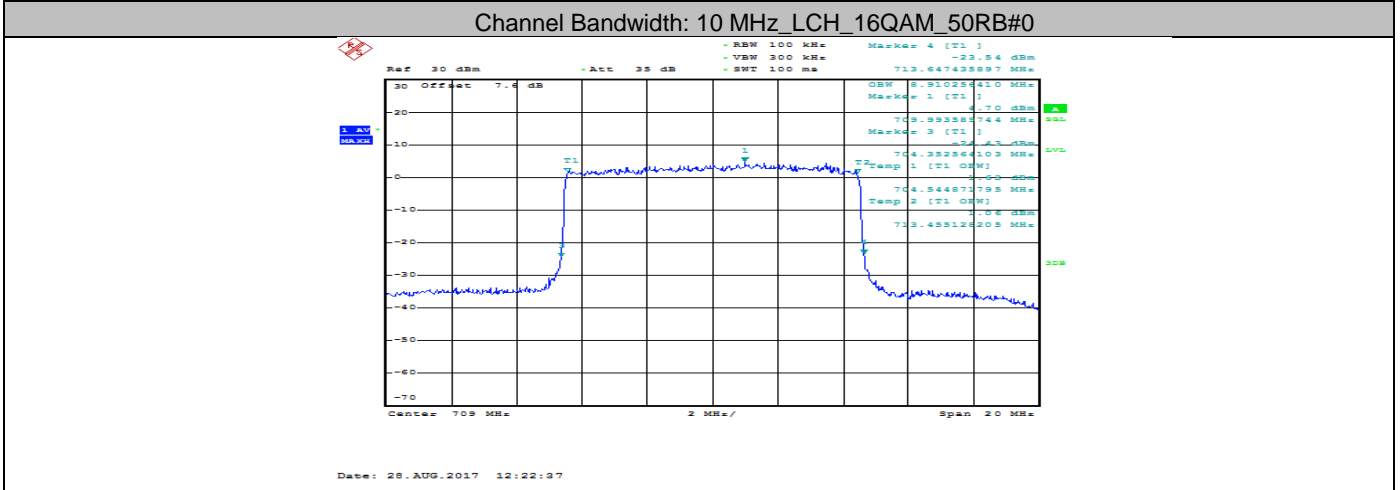**(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0**

Date: 28.AUG.2017 09:16:02

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

Date: 28.AUG.2017 09:19:12

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

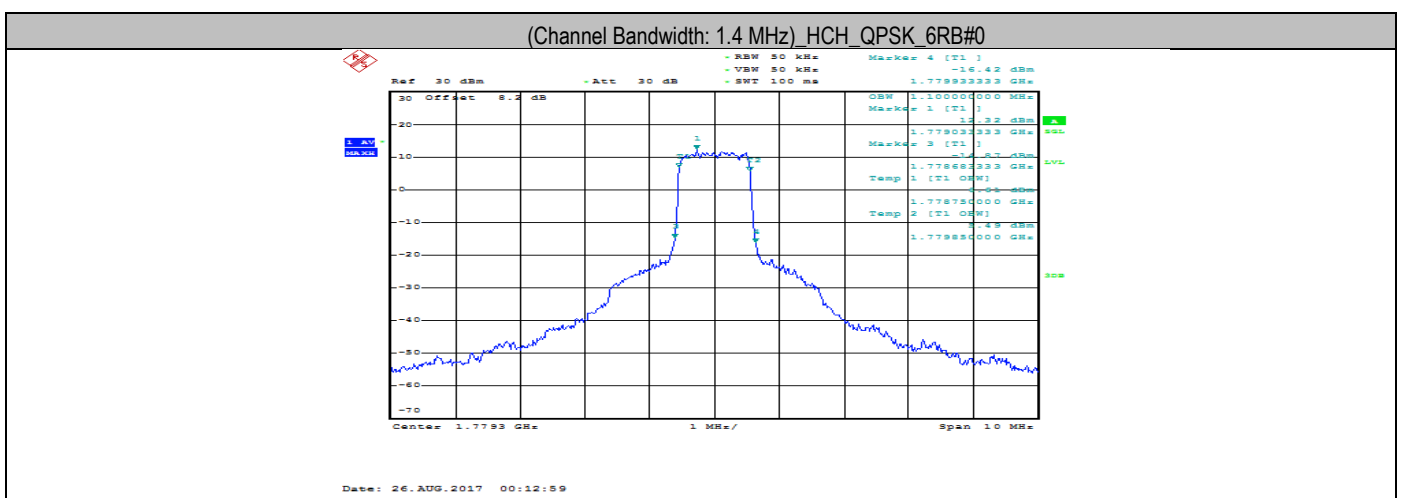Date: 28.AUG.2017 09:20:54

LTE Band 17
Channel Bandwidth: 5 MHz
Test Mode=16QAM/TM5

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

Date: 28.AUG.2017 09:16:11

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

Date: 28.AUG.2017 09:19:21

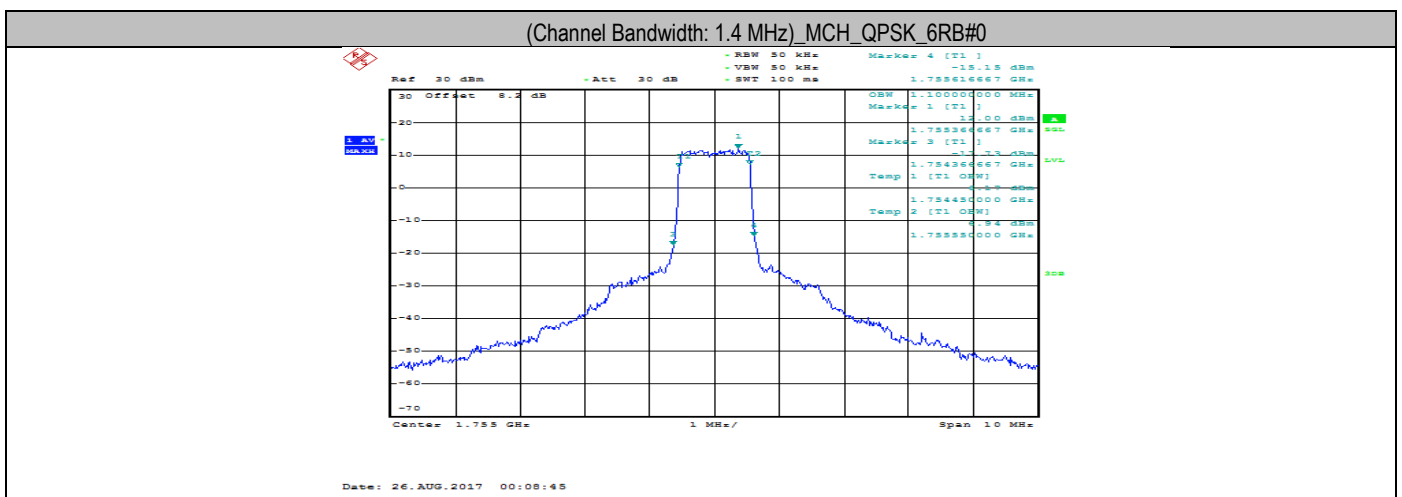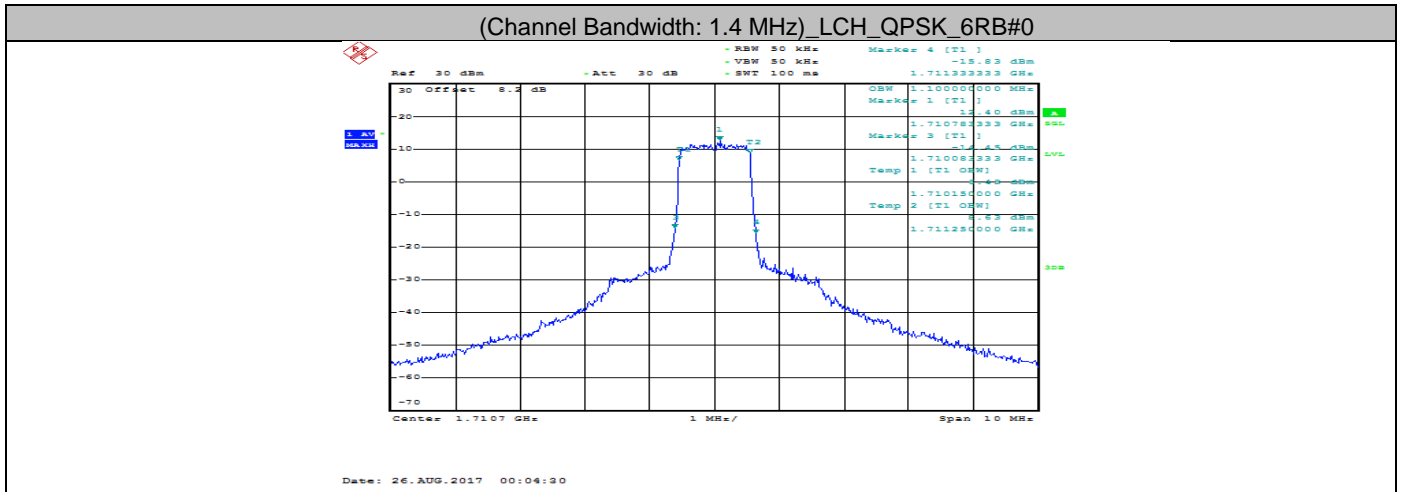
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

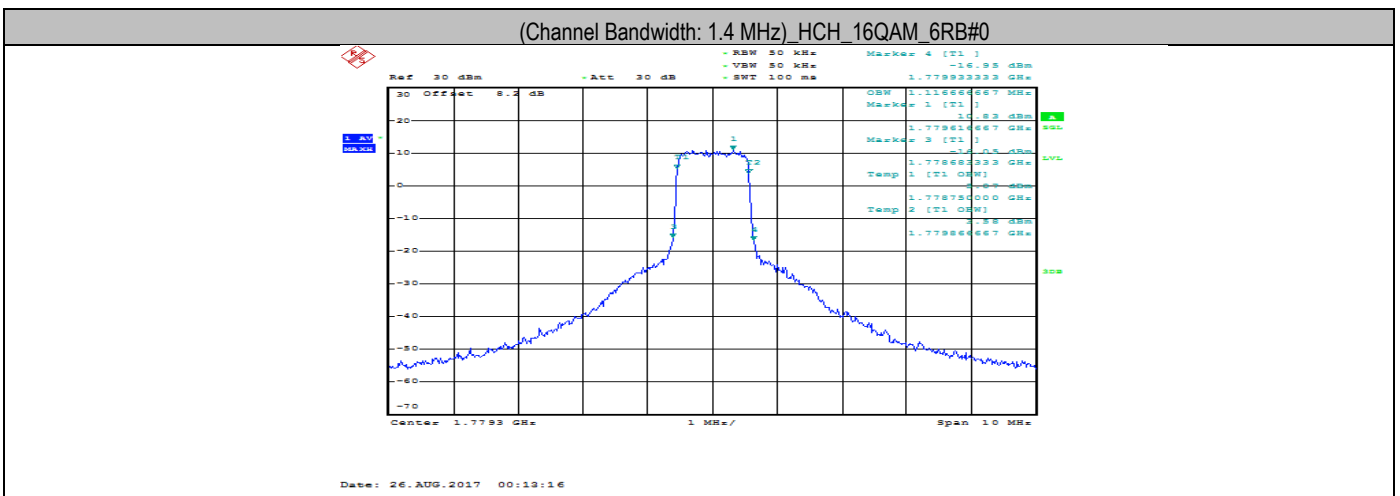Date: 28.AUG.2017 09:21:03

LTE Band 17
Channel Bandwidth: 10 MHz
Test Mode=QPSK/TM4

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Date: 28.AUG.2017 12:22:28

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Date: 28.AUG.2017 12:24:07
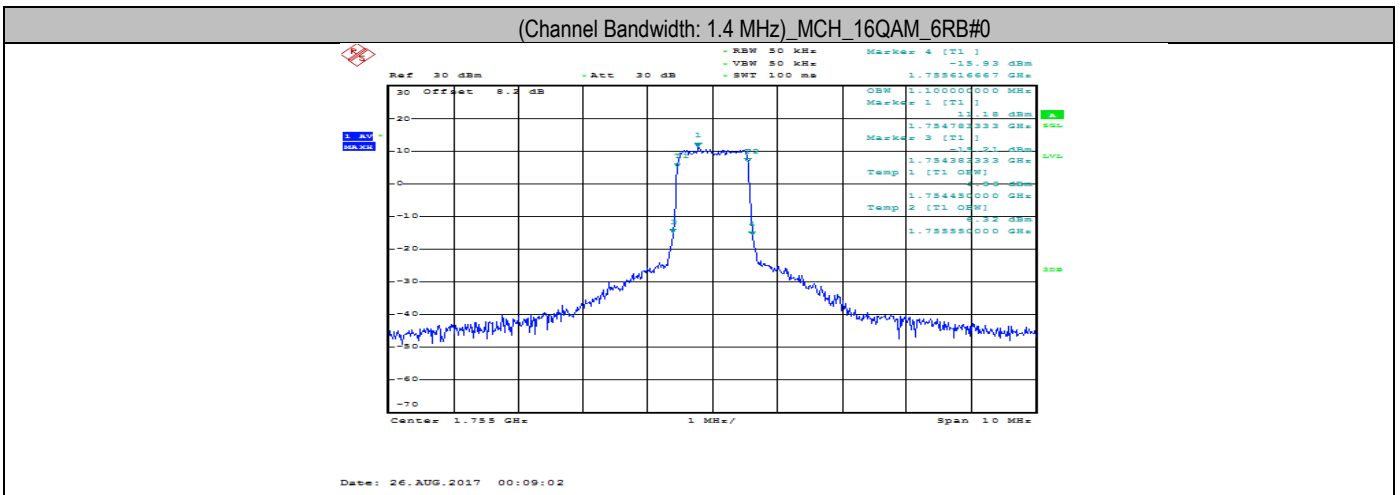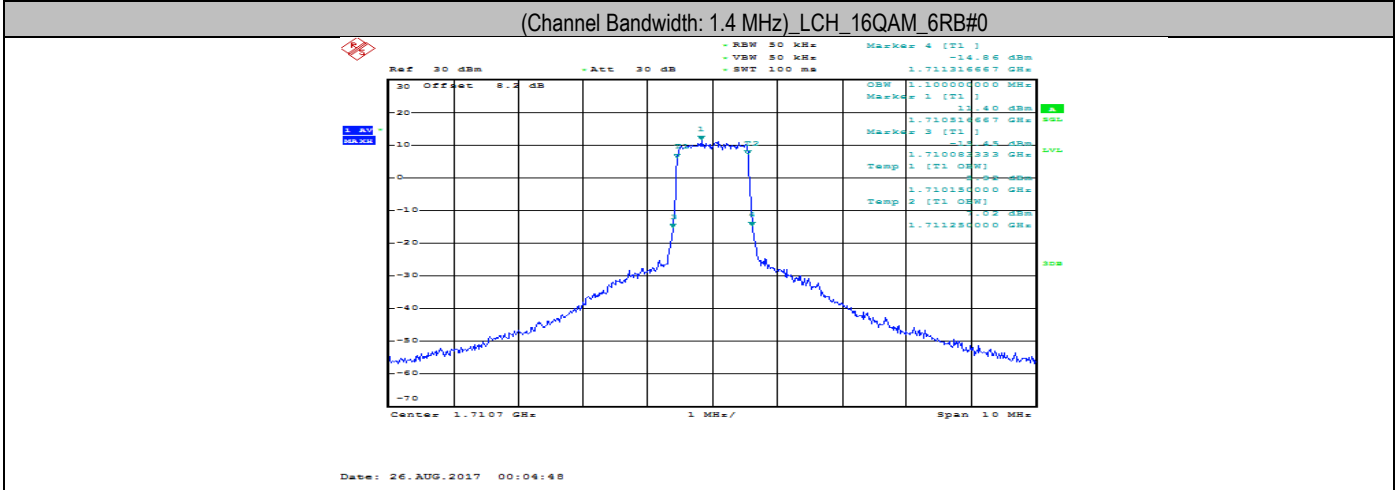

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

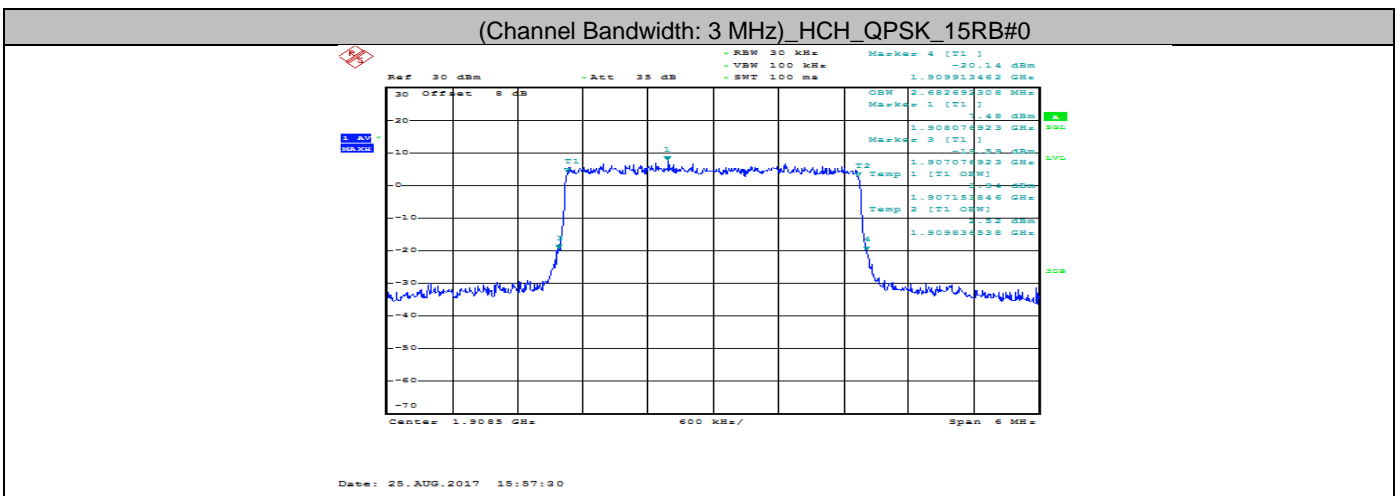Date: 28.AUG.2017 12:25:46

LTE Band 17
Channel Bandwidth: 10MHz
Test Mode=16QAM/TM5

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

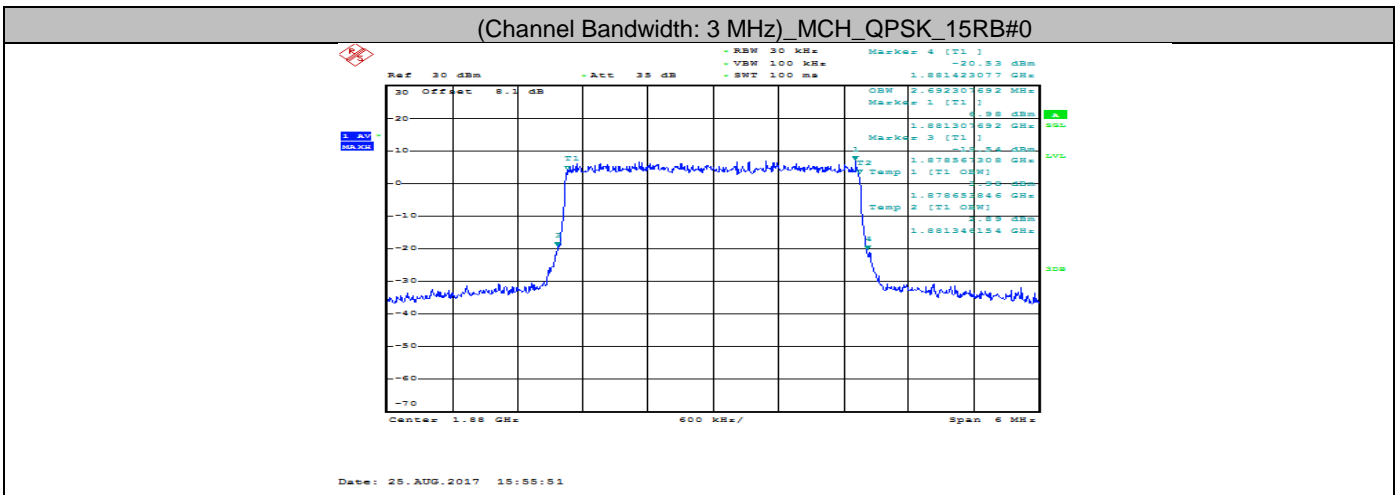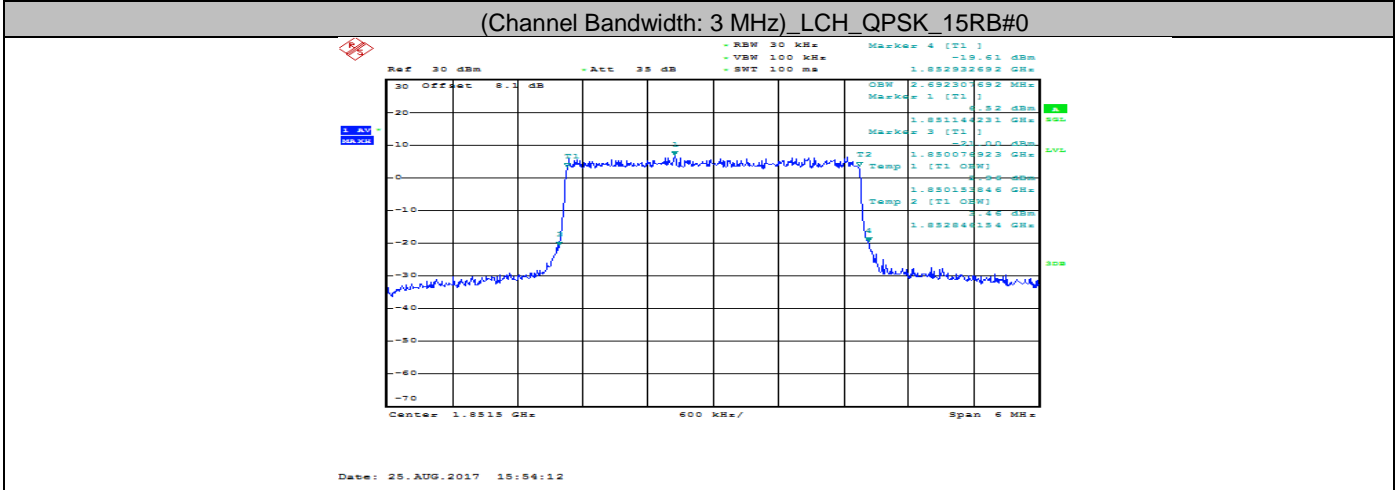Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

LTE Band 66
Channel Bandwidth: 1.4 MHz
Test Mode=QPSK/TM4

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

Date: 26.AUG.2017 00:04:30

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

Date: 26.AUG.2017 00:08:45

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

Date: 26.AUG.2017 00:12:59

LTE Band 66
Channel Bandwidth: 1.4 MHz
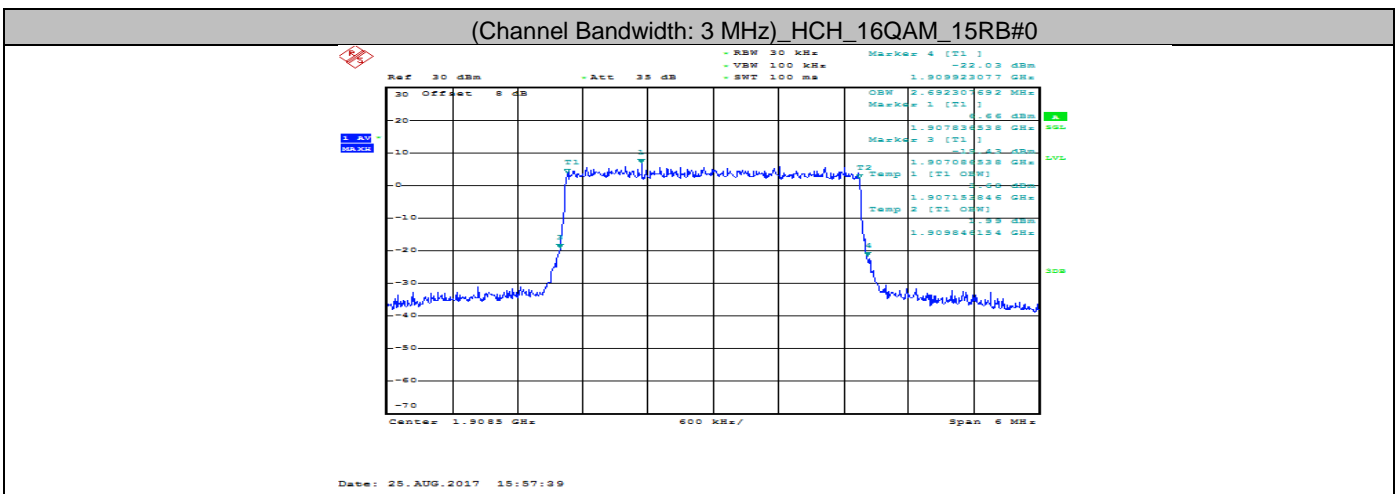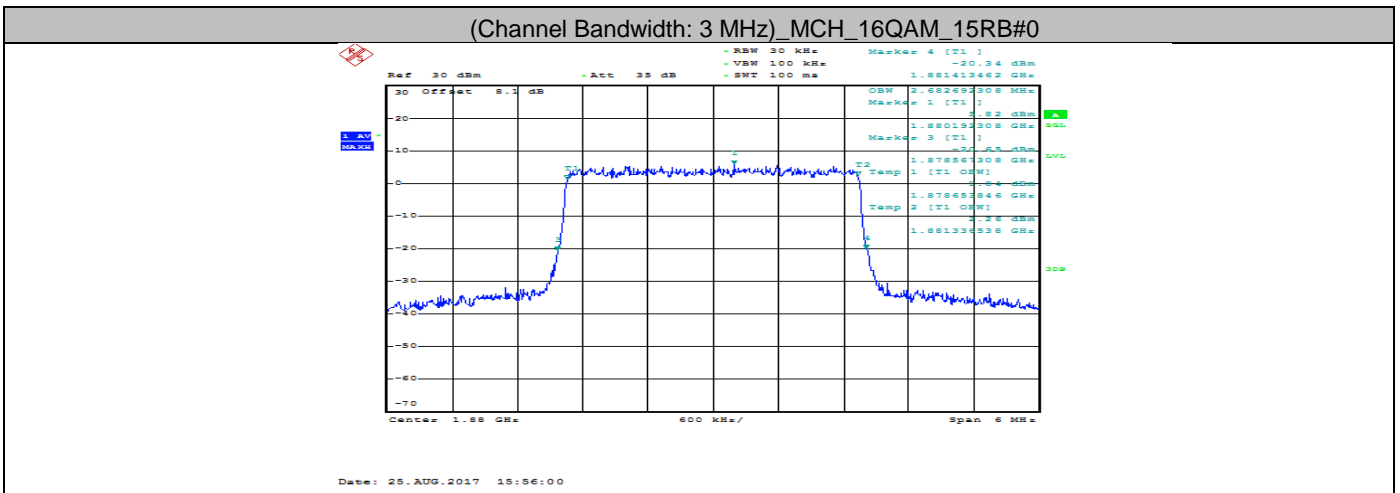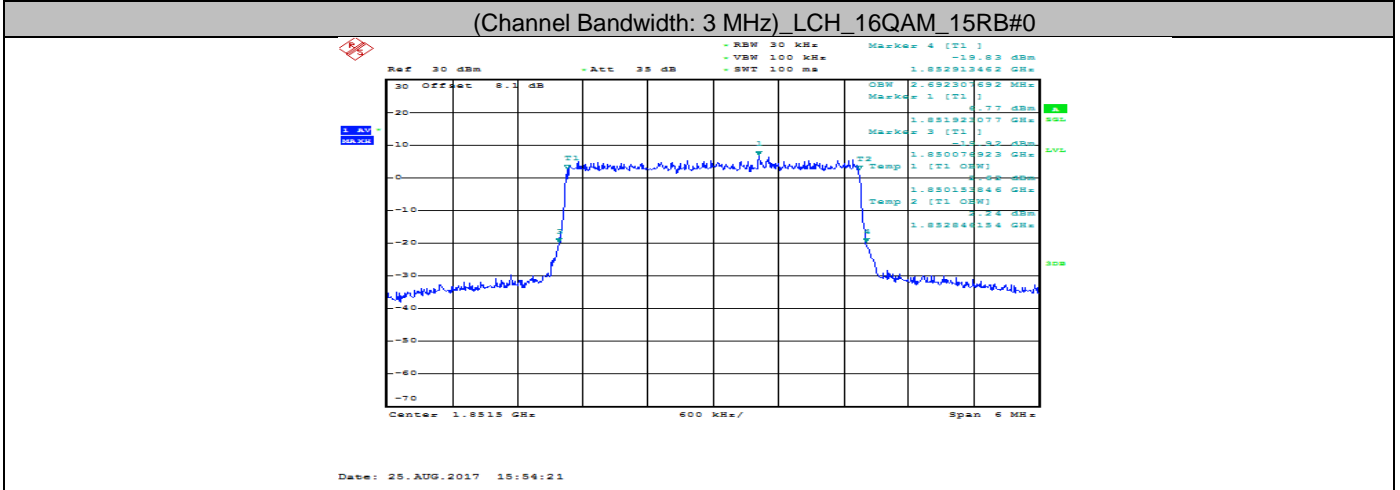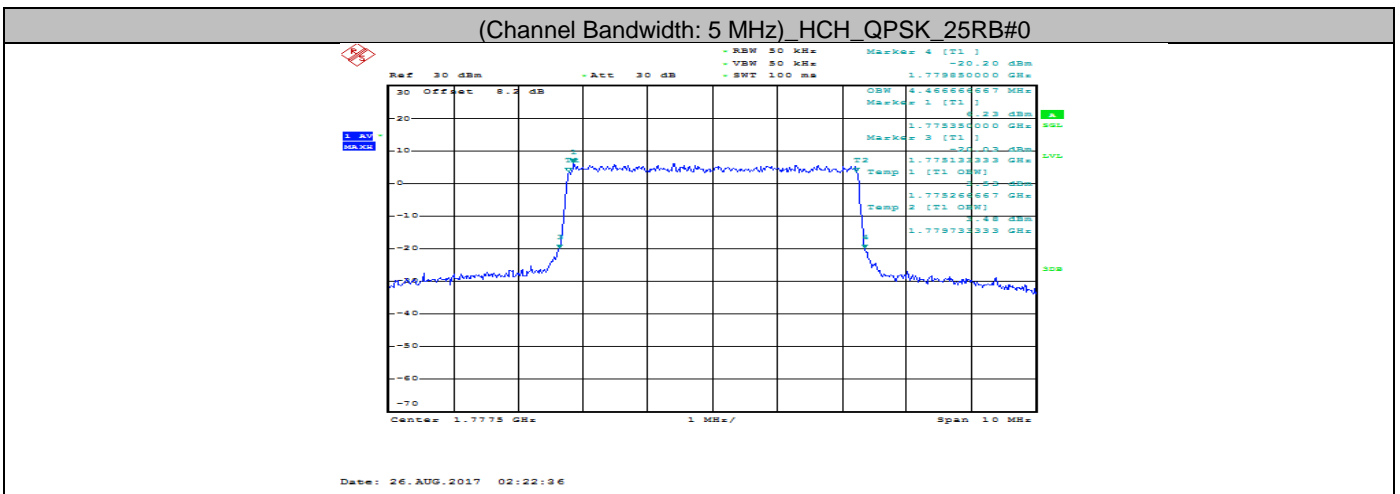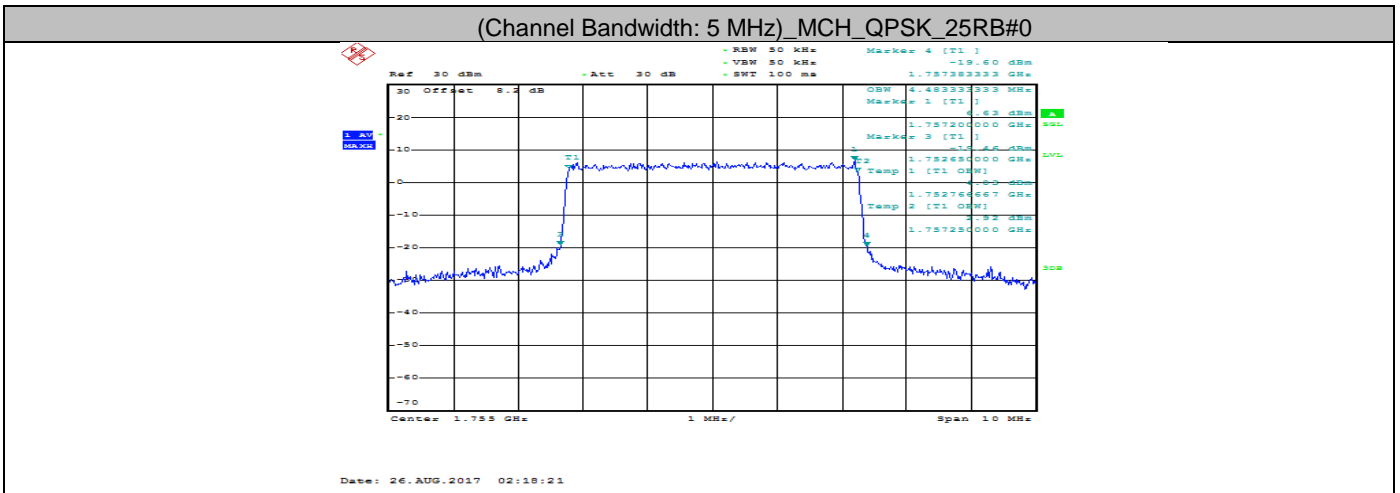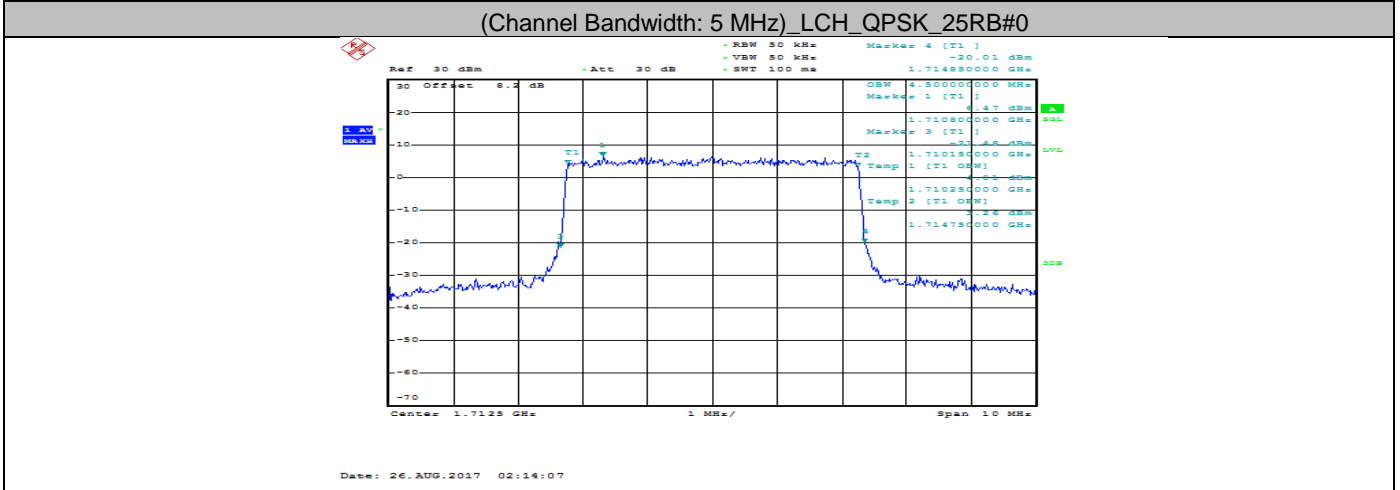Test Mode=16QAM/TM5
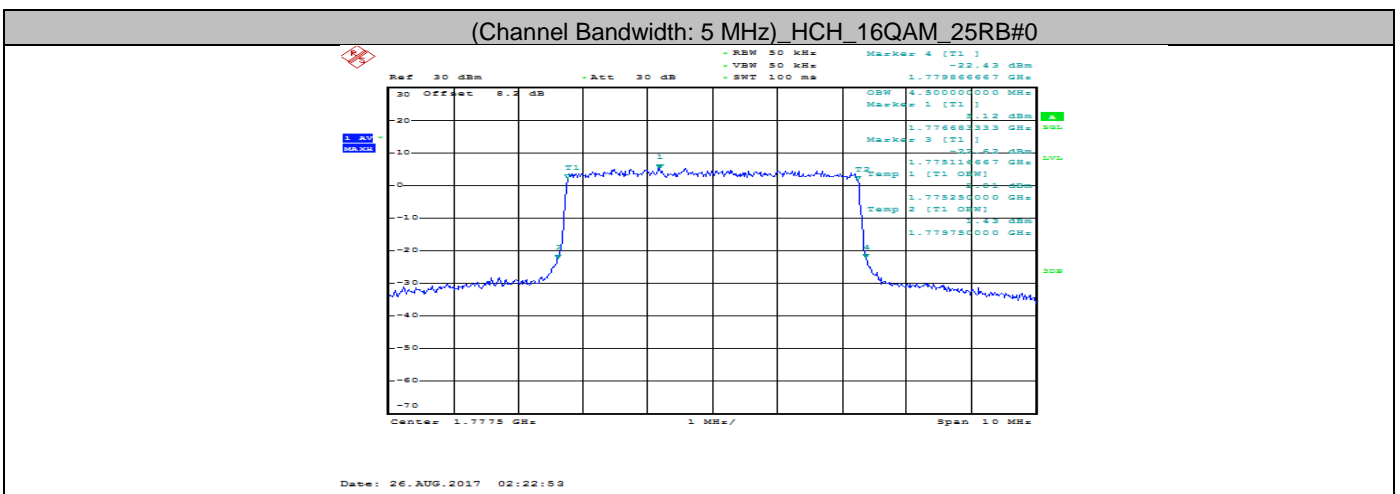
LTE Band 66
Channel Bandwidth: 3 MHz
Test Mode=QPSK/TM4

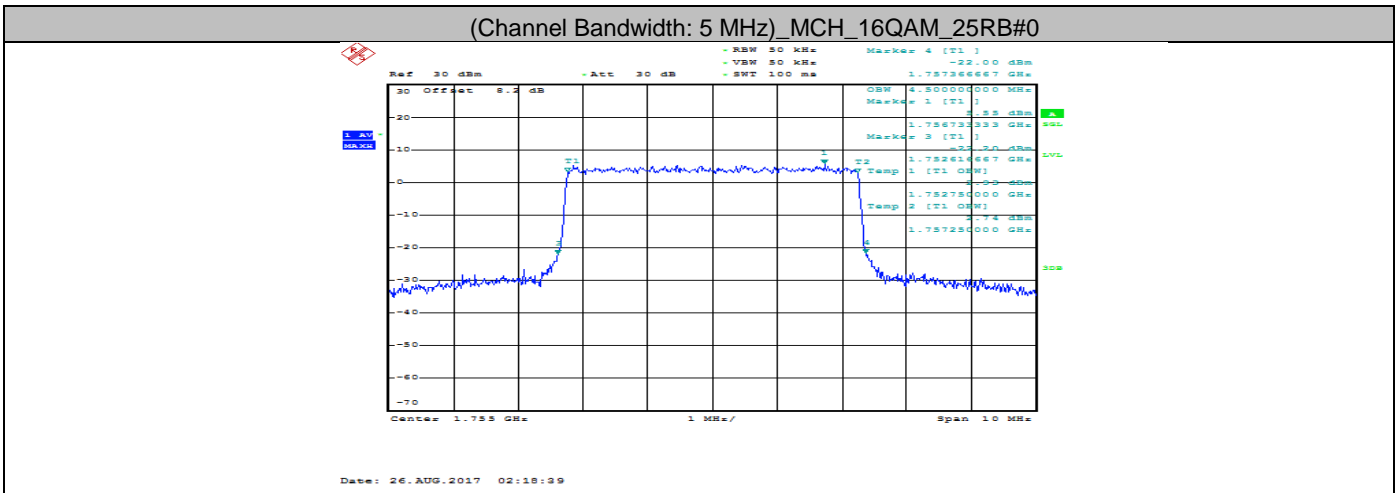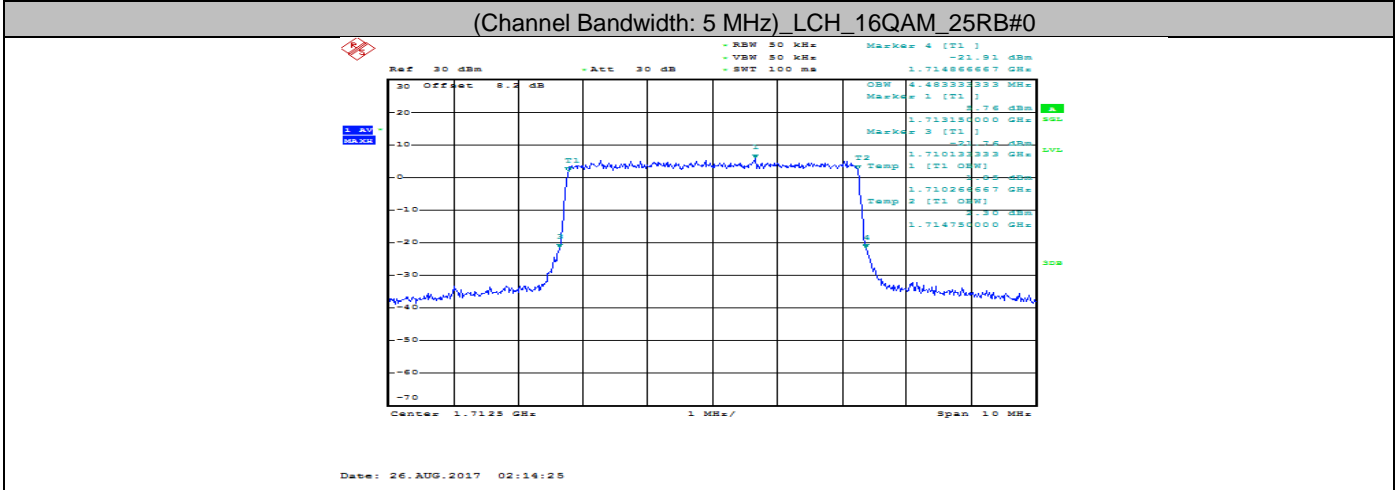(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0
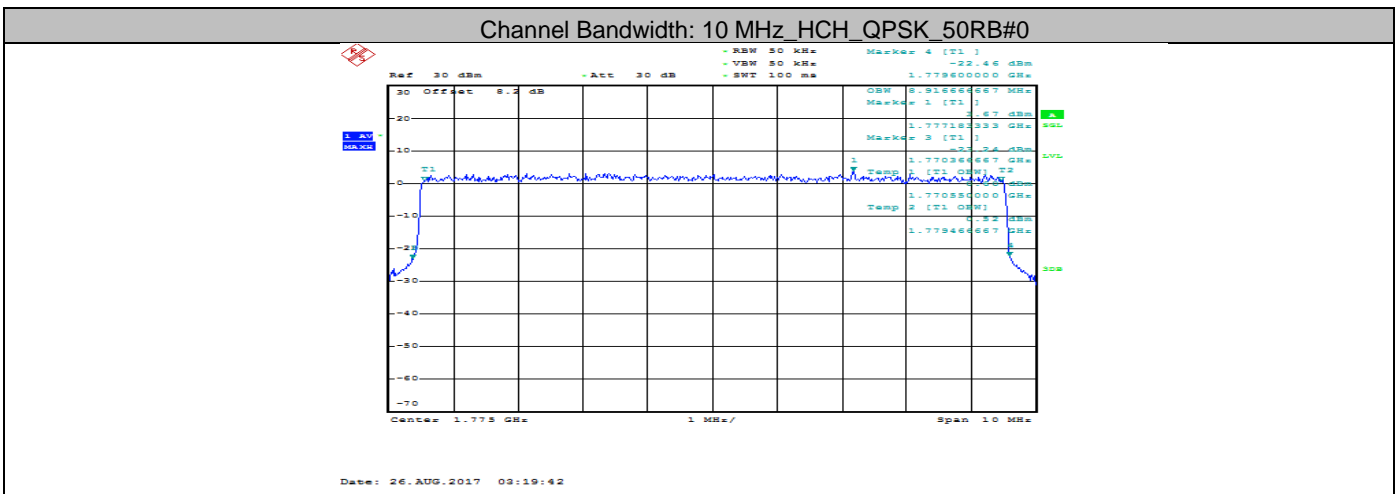
LTE Band 66
Channel Bandwidth: 3 MHz
Test Mode=16QAM/TM5

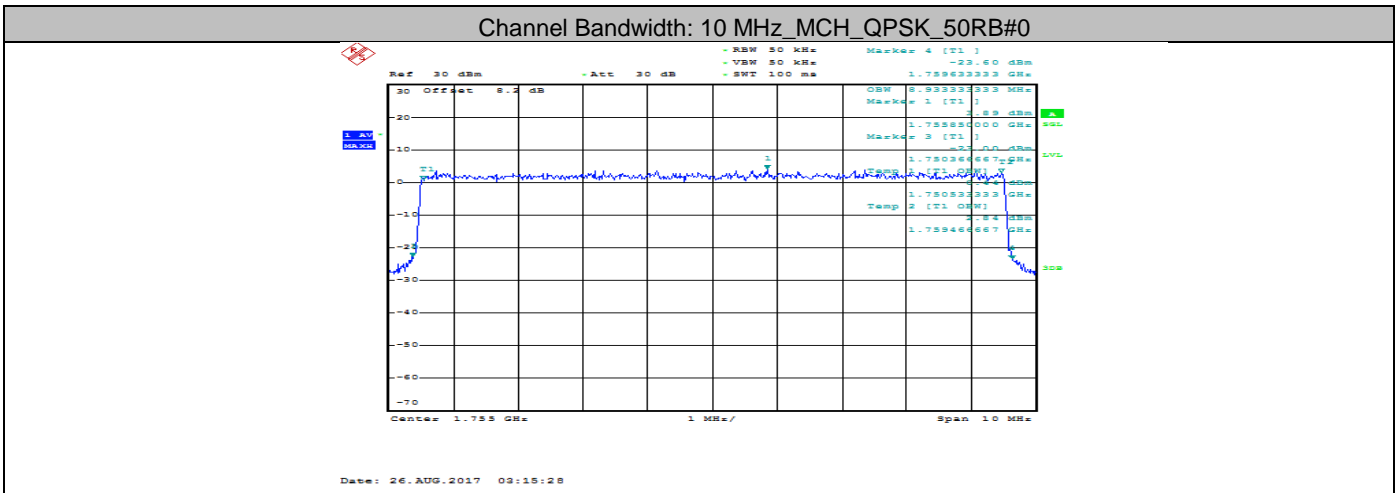(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

Date: 25.AUG.2017 15:54:21

(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

Date: 25.AUG.2017 15:56:00

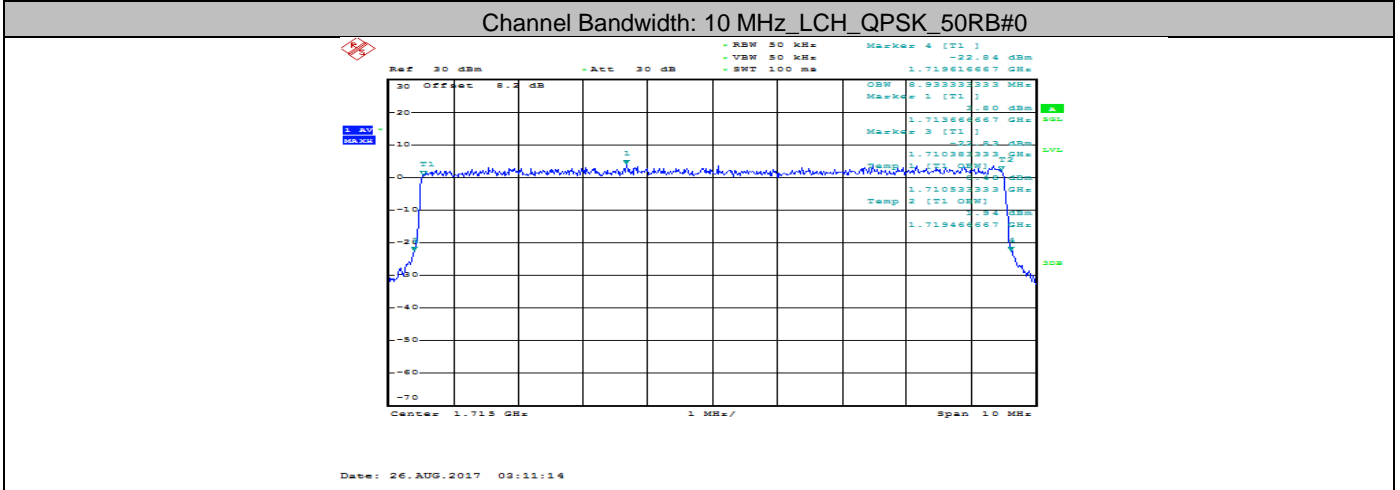

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Date: 25.AUG.2017 15:57:39

LTE Band 66
Channel Bandwidth: 5 MHz
Test Mode=QPSK/TM4

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

Date: 26.AUG.2017 02:14:07

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

Date: 26.AUG.2017 02:18:21

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

Date: 26.AUG.2017 02:22:36

LTE Band 66
Channel Bandwidth: 5 MHz
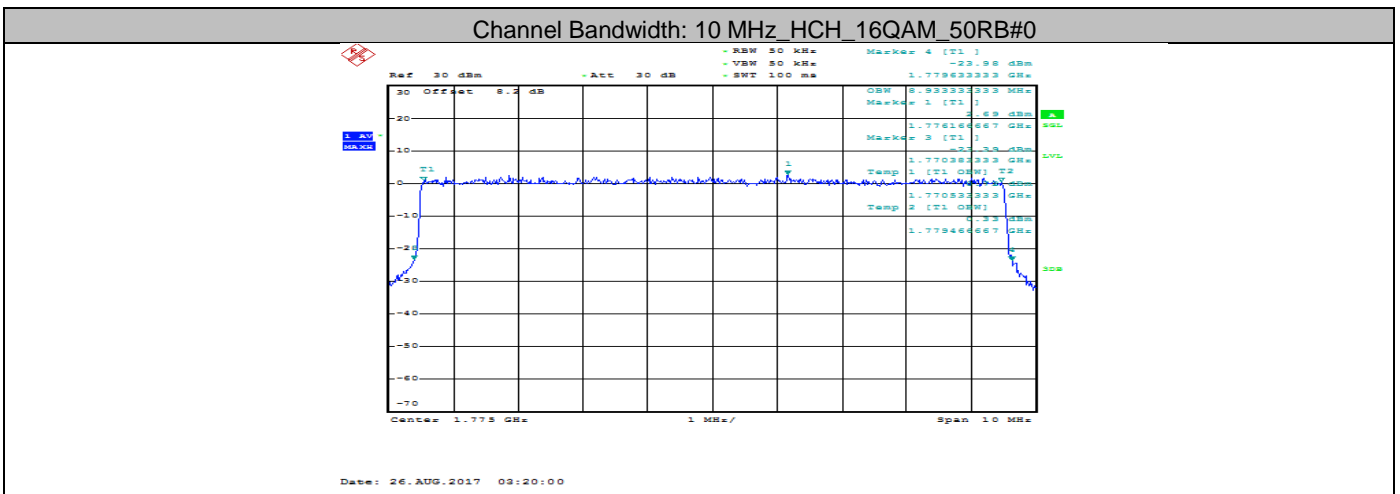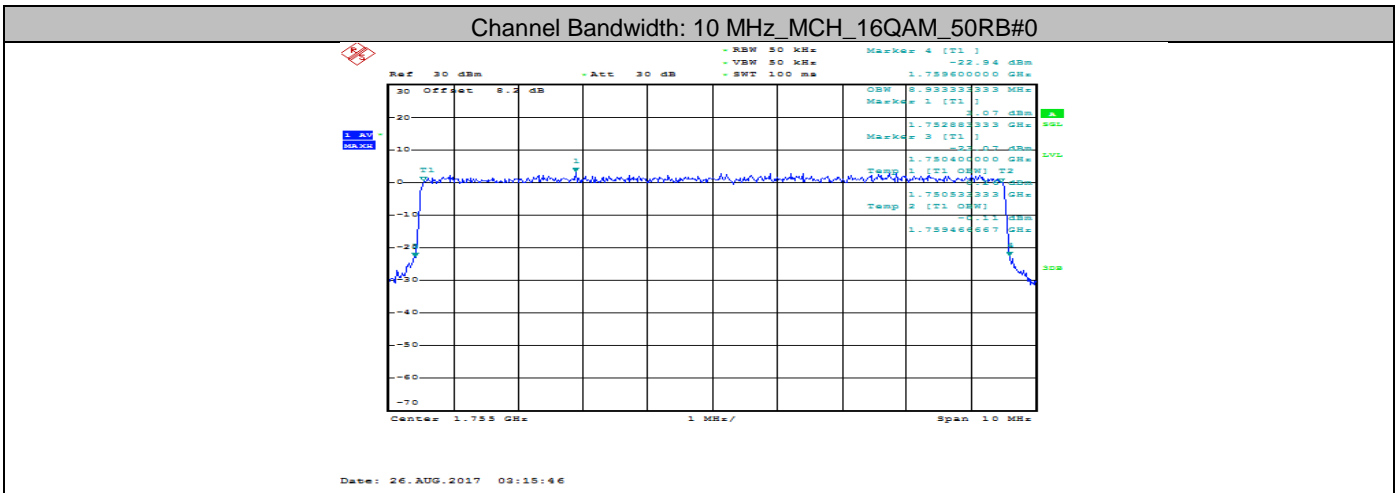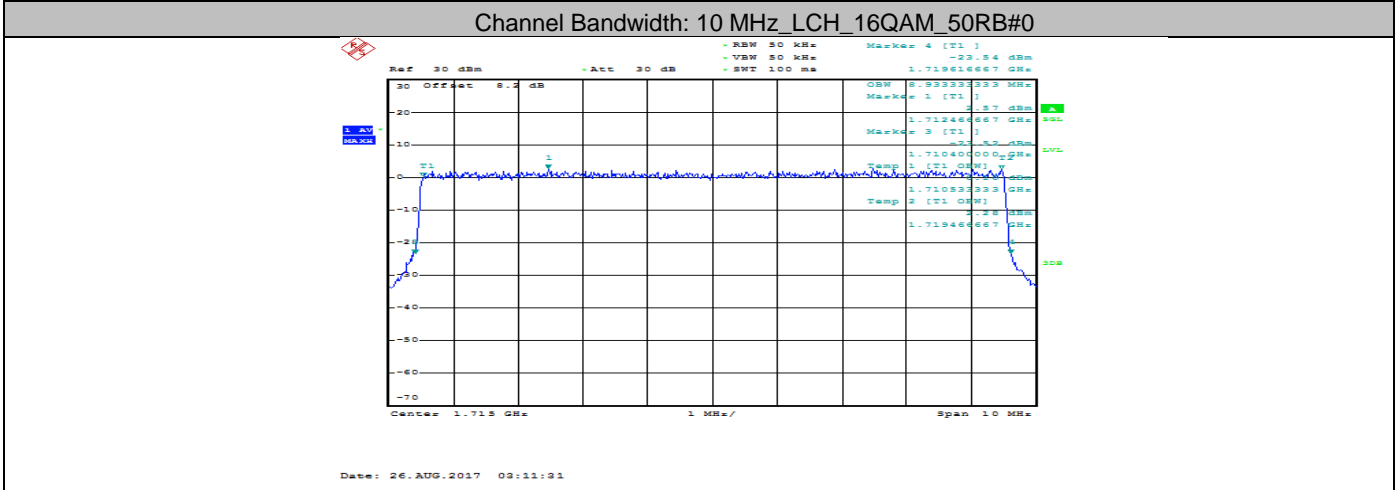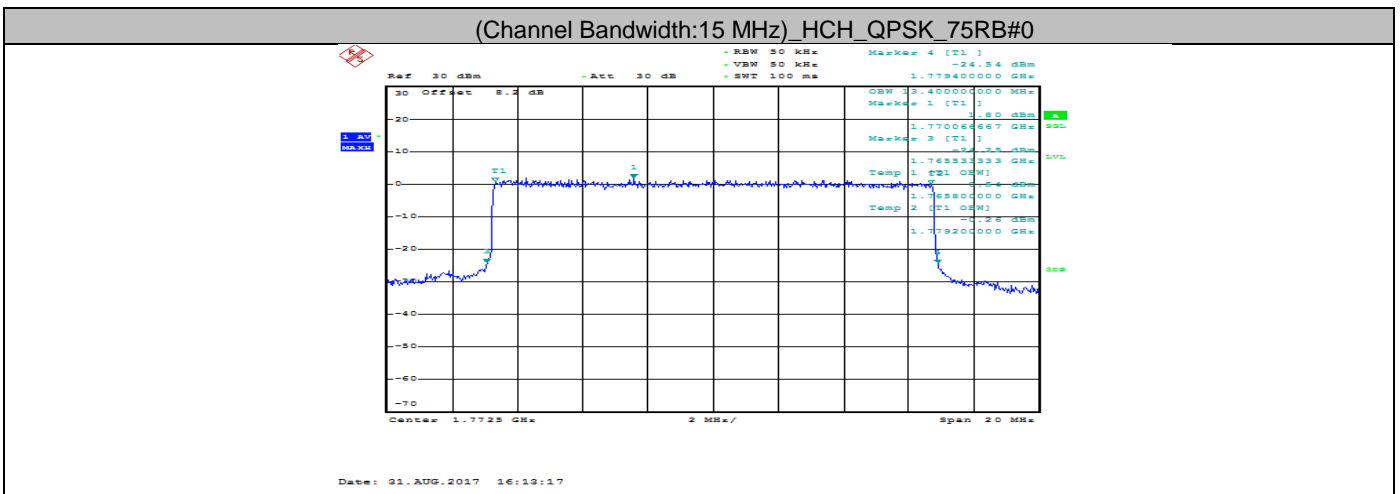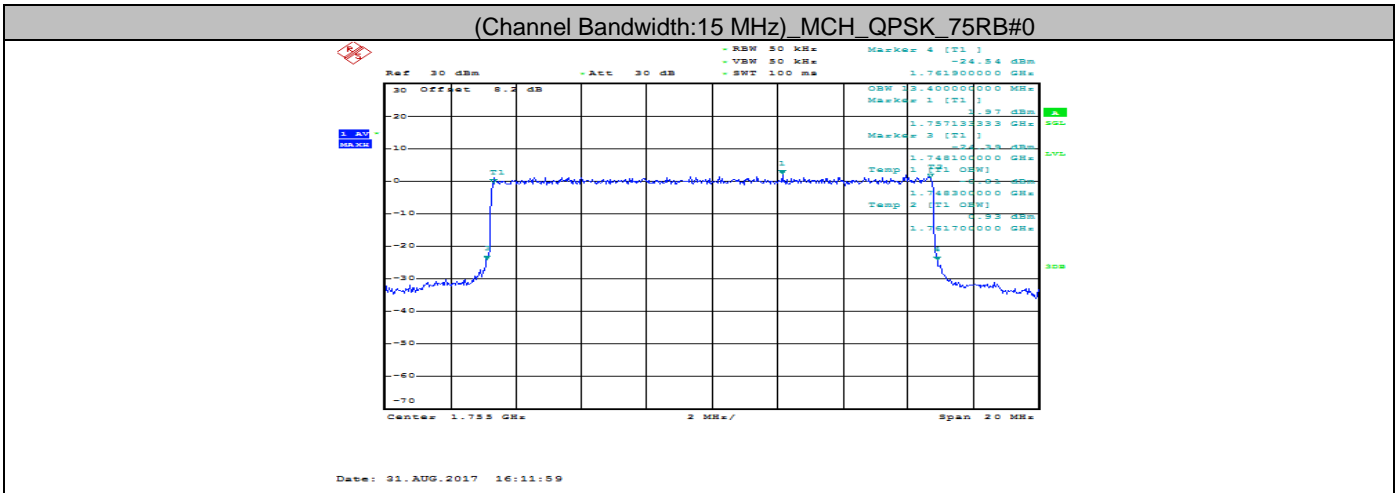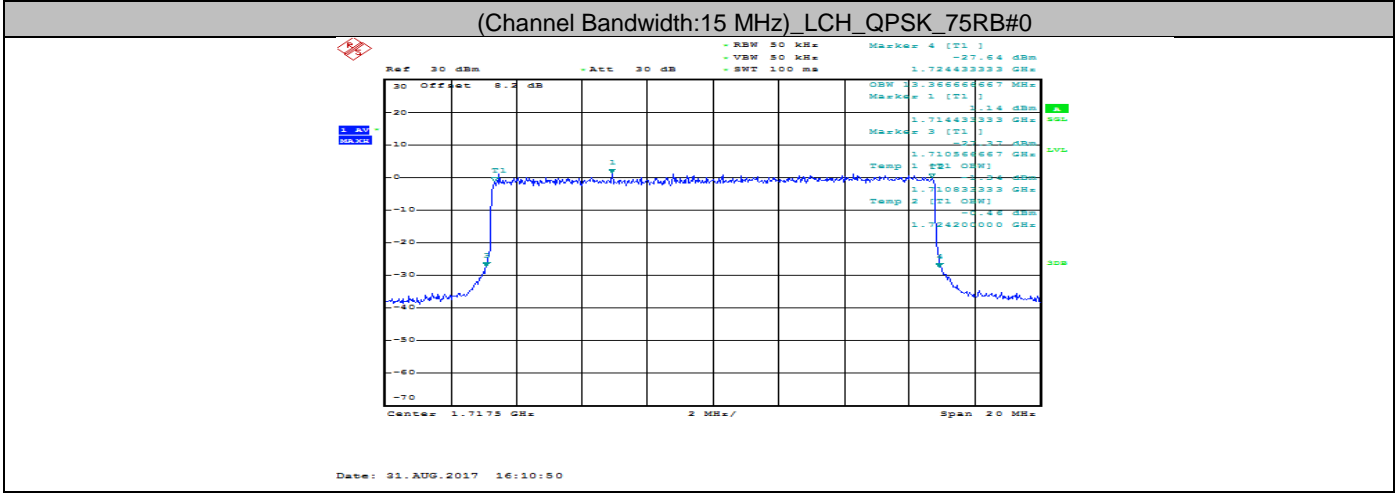Test Mode=16QAM/TM5
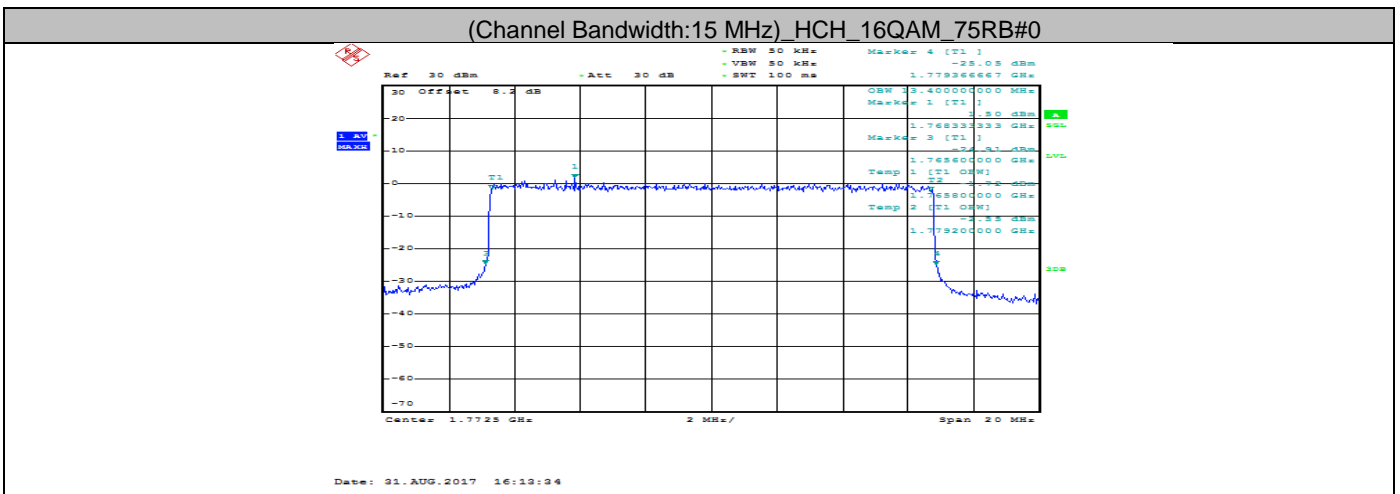
LTE Band 66
Channel Bandwidth: 10 MHz
Test Mode=QPSK/TM4

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Date: 26.AUG.2017 03:11:14

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Date: 26.AUG.2017 03:15:28
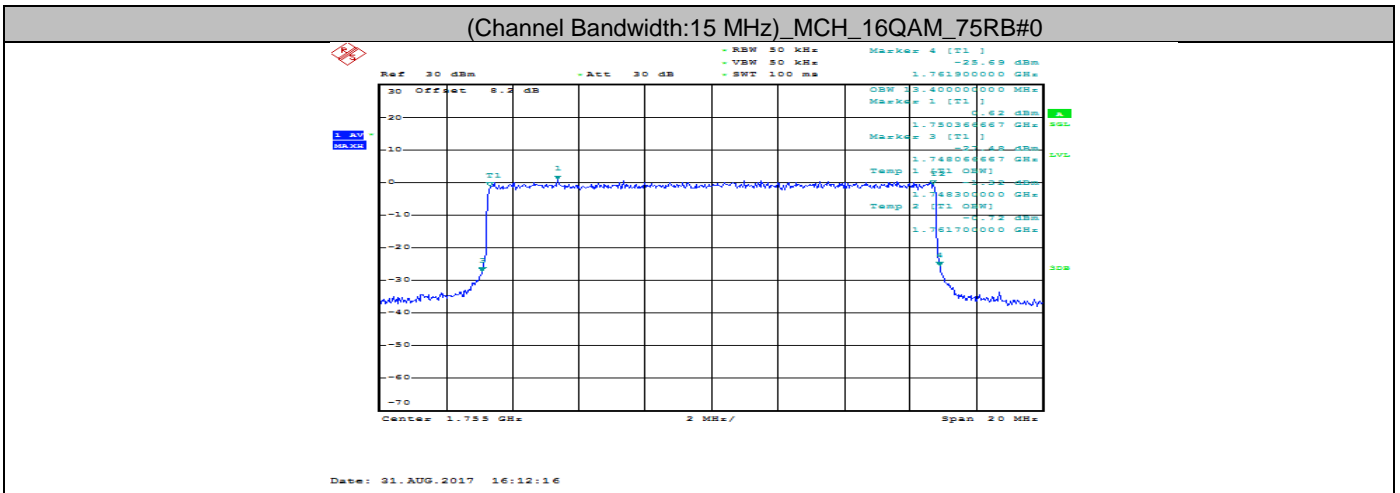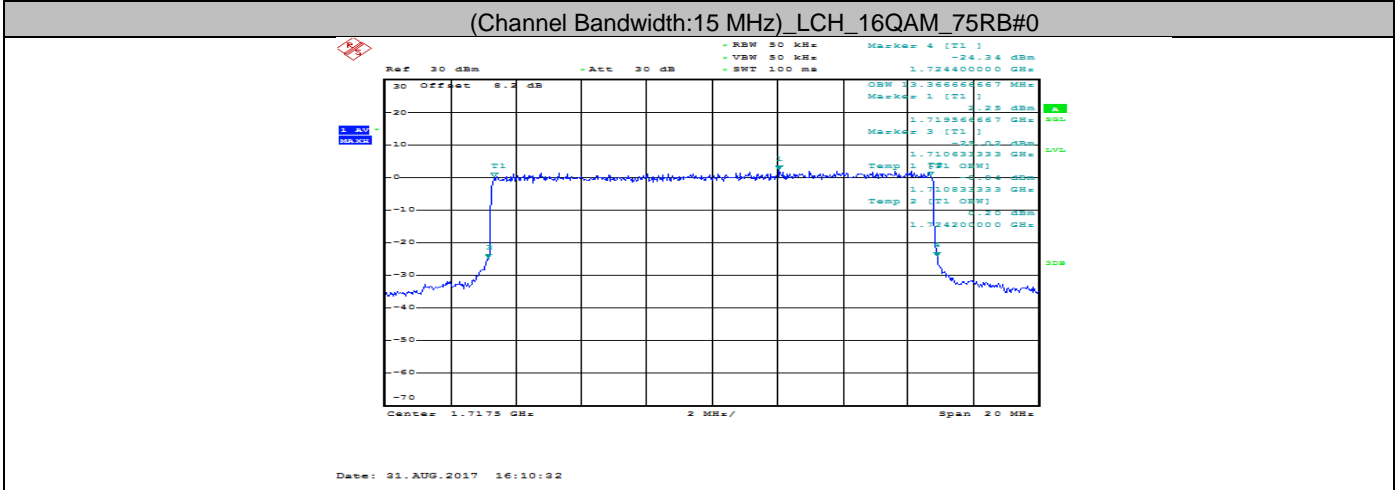

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

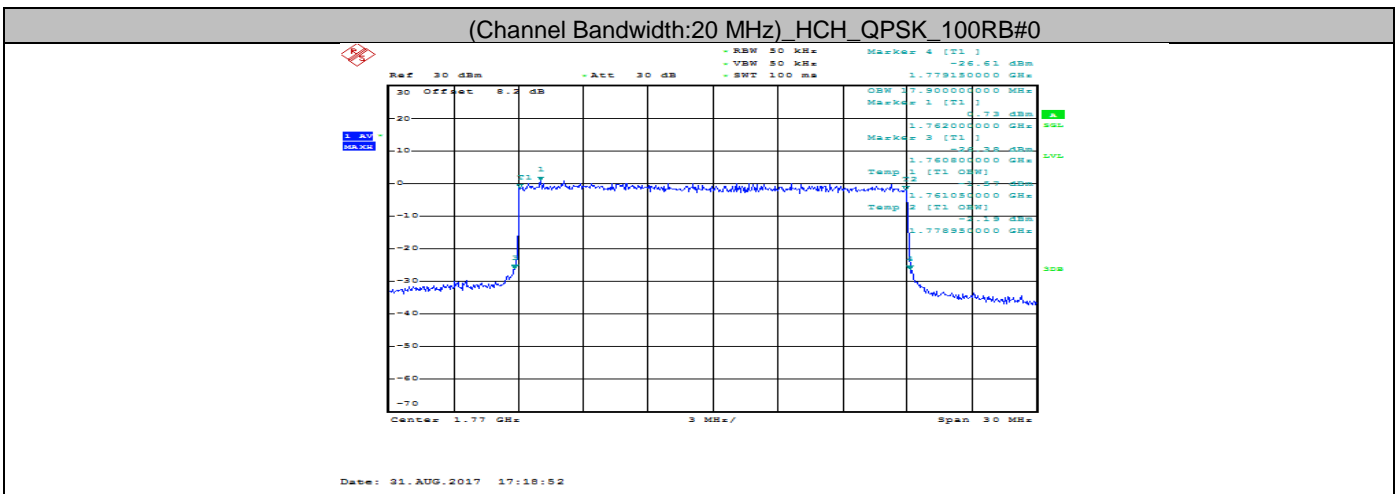Date: 26.AUG.2017 03:19:42

LTE Band 66
Channel Bandwidth: 10MHz
Test Mode=16QAM/TM5

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Date: 26.AUG.2017 03:11:31

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Date: 26.AUG.2017 03:15:46

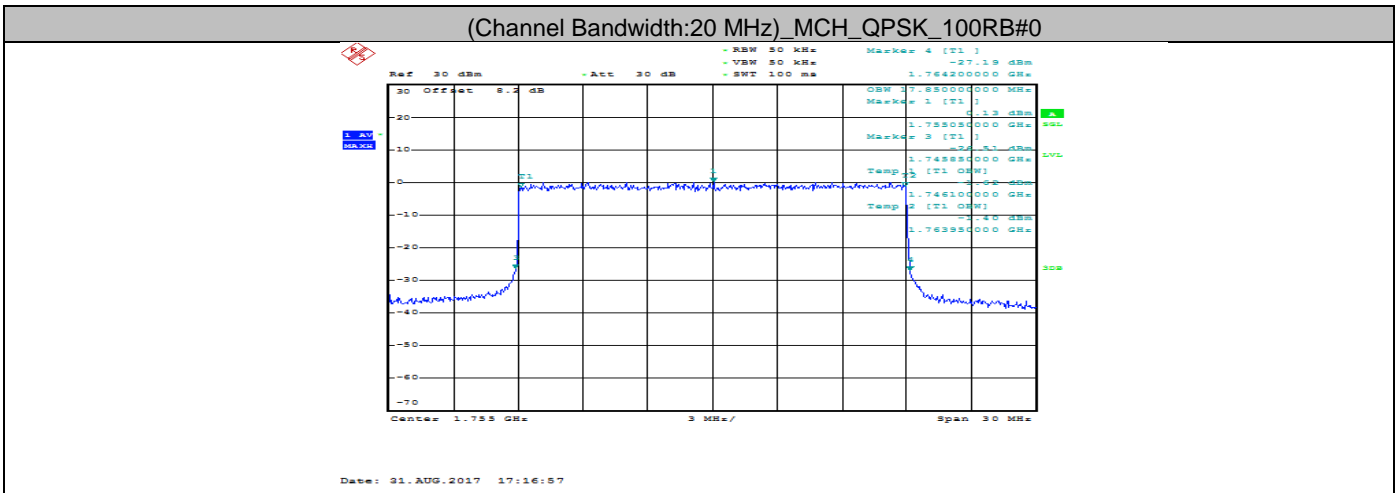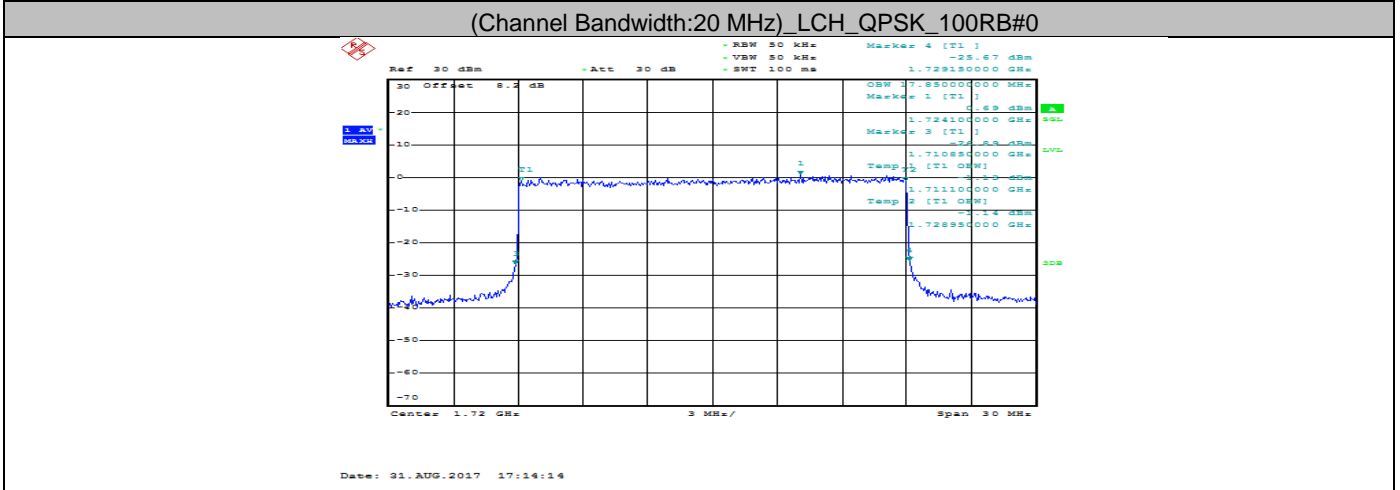
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

Date: 26.AUG.2017 03:20:00

LTE Band 66
Channel Bandwidth: 15 MHz
Test Mode=QPSK/TM4

(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

Date: 31.AUG.2017 16:10:50

(Channel Bandwidth:15 MHz)_MCH_QPSK_75RB#0

Date: 31.AUG.2017 16:11:59

(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0

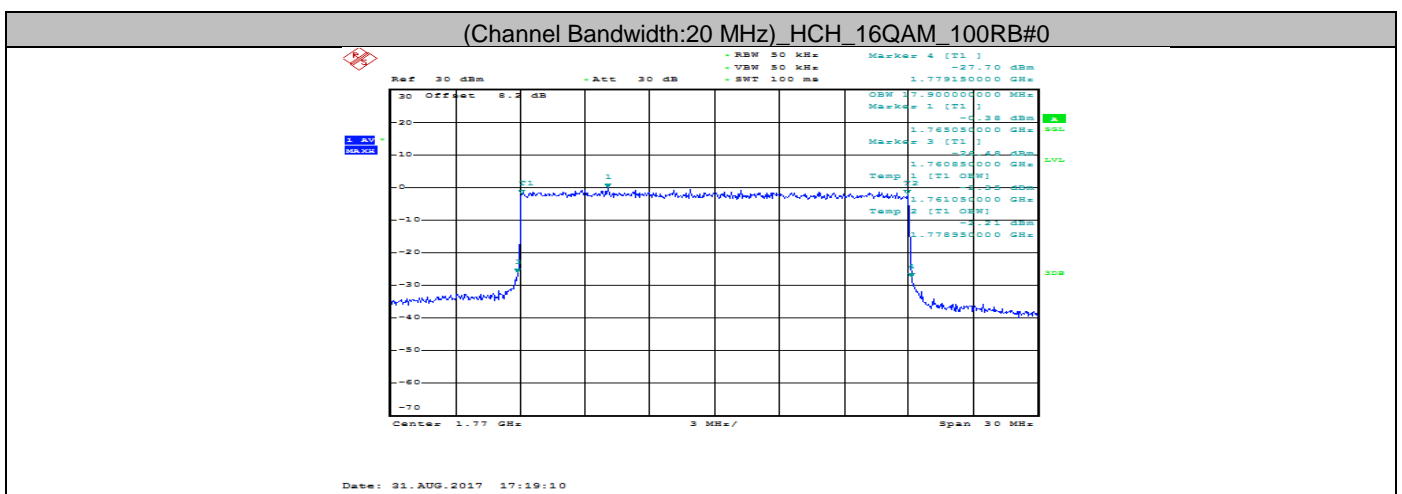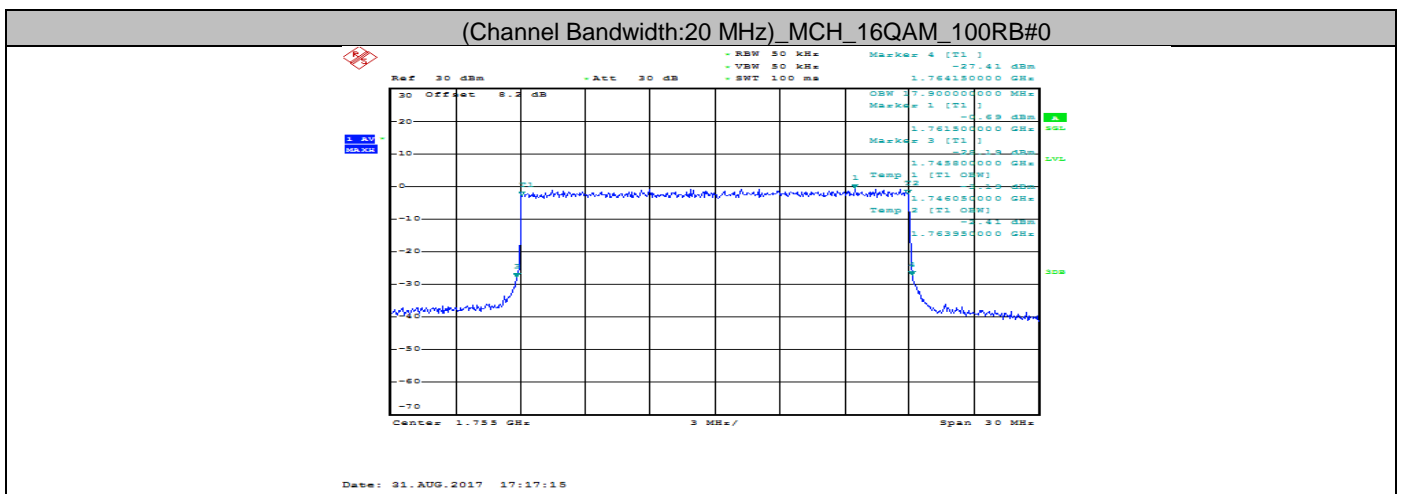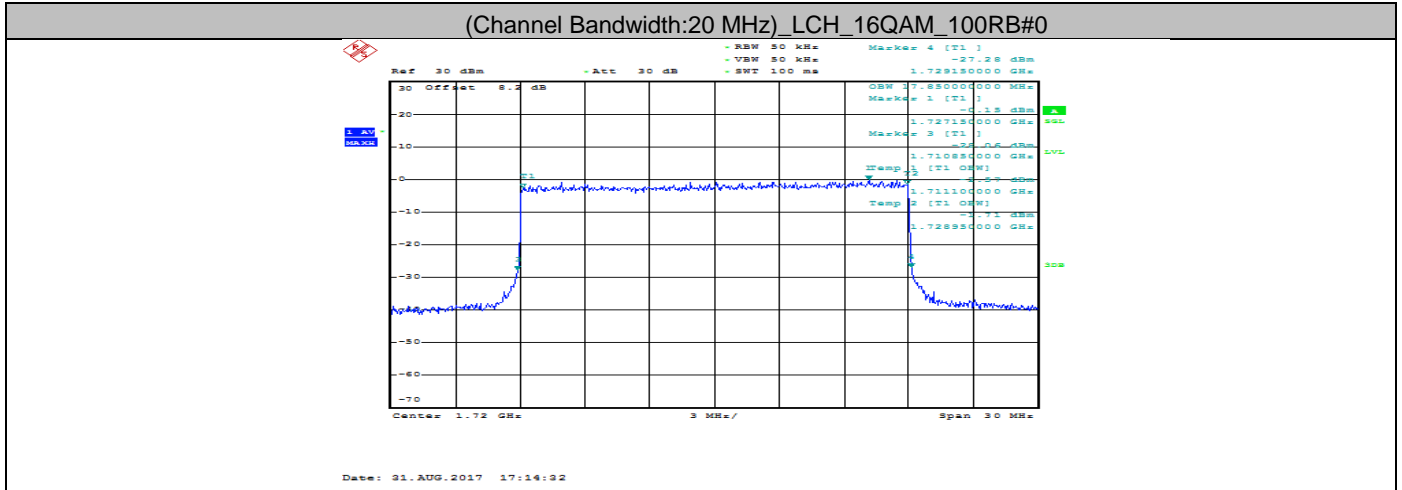Date: 31.AUG.2017 16:13:17

LTE Band 66
Channel Bandwidth: 15 MHz
Test Mode=16QAM/TM5

(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

Date: 31.AUG.2017 16:10:32

(Channel Bandwidth:15 MHz)_MCH_16QAM_75RB#0

Date: 31.AUG.2017 16:12:16

(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

Date: 31.AUG.2017 16:13:34

LTE Band 66
Channel Bandwidth: 20 MHz
Test Mode=QPSK/TM4

(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0

Date: 31.AUG.2017 17:14:14

(Channel Bandwidth:20 MHz)_MCH_QPSK_100RB#0

Date: 31.AUG.2017 17:16:57

(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0

Date: 31.AUG.2017 17:18:52

LTE Band 66
Channel Bandwidth: 20 MHz
Test Mode=16QAM/TM5

<div align="center">(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0</div>

Date: 31.AUG.2017 17:14:32

<div align="center">(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0</div>

Date: 31.AUG.2017 17:17:15

<div align="center">(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0</div>

Date: 31.AUG.2017 17:19:10

4.4. Spurious Emission at Antenna Terminal

FCC: CFR Part 2.1051, CFR Part 22.917, CFR Part 24.238, CFR Part 27.53

4.4.1. Test Limit

The radio frequency voltage or power generated within the equipment and appearing on a
spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in FCC 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

(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.

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.

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.

FCC: §27.53
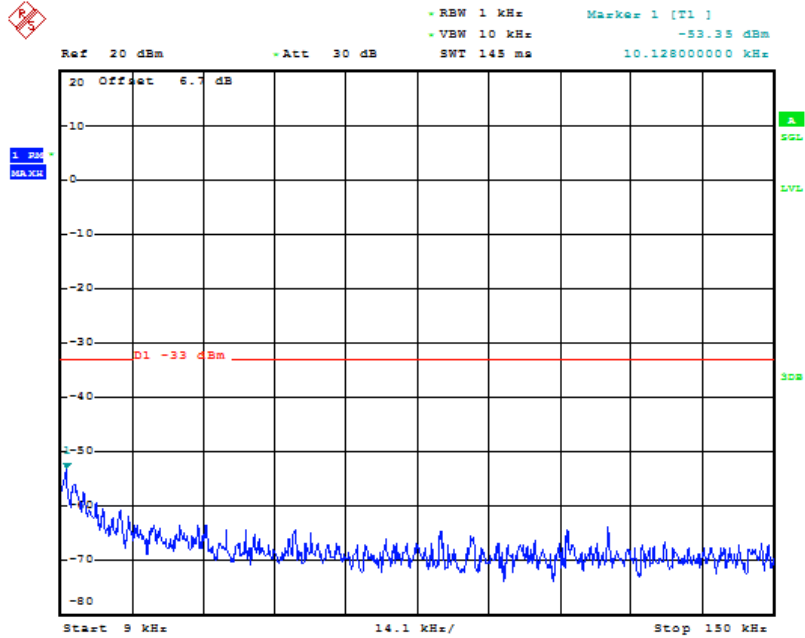(m)(4) For mobile digital stations, the attenuation factor shall be not less than 43 + 10

log (P) dB at the channel edge and 55 + 10 log (P) dB at 5.5 megahertz from the channel edges.(Channel edges are defined under §27.5 (i) Frequency assignment for the BRS/EBS band)

(m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However,in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 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.

4.4.2. Test Procedure

1. Connect the equipment as shown in the above diagram.
2. Set the spectrum analyzer to measure peak hold with the required settings.
3. Set the signal generator to a known output power and record the path loss in dB (LOSS) for frequencies up to the tenth harmonic of the EUT's carrier frequency.
LOSS = Generator Output Power (dBm) – Analyzer reading (dBm).
4. Replace the signal generator with the EUT.
5. Adjust the settings of the Universal Radio Communication Tester (CMU) to set the EUT to its maximum power at the required channel.
6. Set the spectrum analyzer to measure peak hold with the required settings. Offset the spectrum analyzer reference level by the path loss measured above.
7. Measure and record all spurious emissions up to the tenth harmonic of the carrier frequency.
8. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
9. If necessary steps 6 and 7 may be performed with the spectrum analyzer set to average detector.
(Note: Step 3 above is performed prior to testing and LOSS is recorded by test software. Steps 2, 6, and 7 above are performed with test software.)

4.4.3. Test Setup
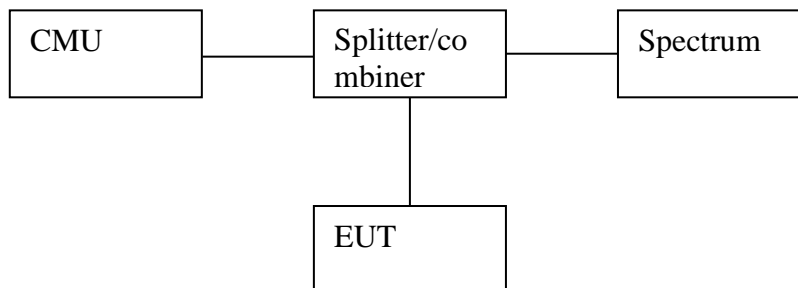
4.4.4. Test Data

Out of band measurement
Test Band = GSM850
Test Mode = GSM/TM1
Test Channel = LCH

Top plot:

- RBW 1 MHz
- VBW 3 MHz
- SWT 5 ms
- Ref 35 dBm
- Att 40 dB
- Offset 7.2 dB
- Marker 2 [T1]   -39.73 dBm   995.150000000 MHz
- Marker 1 [T1]   824.430000000 MHz
- D1 -13 dBm
- Start 30 MHz   97 MHz/   Stop 1 GHz

Date: 18.AUG.2017 10:53:58

Bottom plot:

- RBW 1 MHz
- VBW 3 MHz
- SWT 50 ms
- Ref 35 dBm
- Att 40 dB
- Offset 7.5 dB
- Marker 1 [T1]   -36.62 dBm   2.472195122 GHz
- D1 -13 dBm
- Start 1 GHz   800 MHz/   Stop 9 GHz
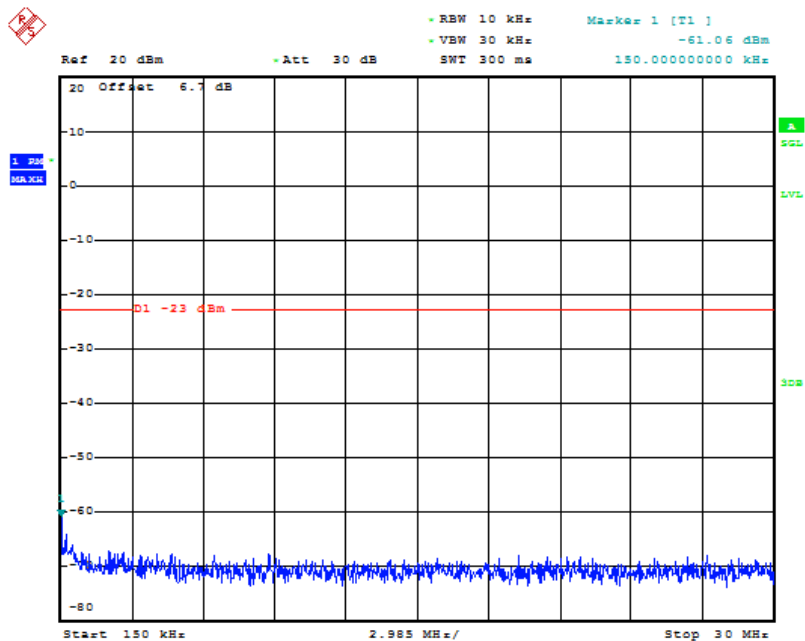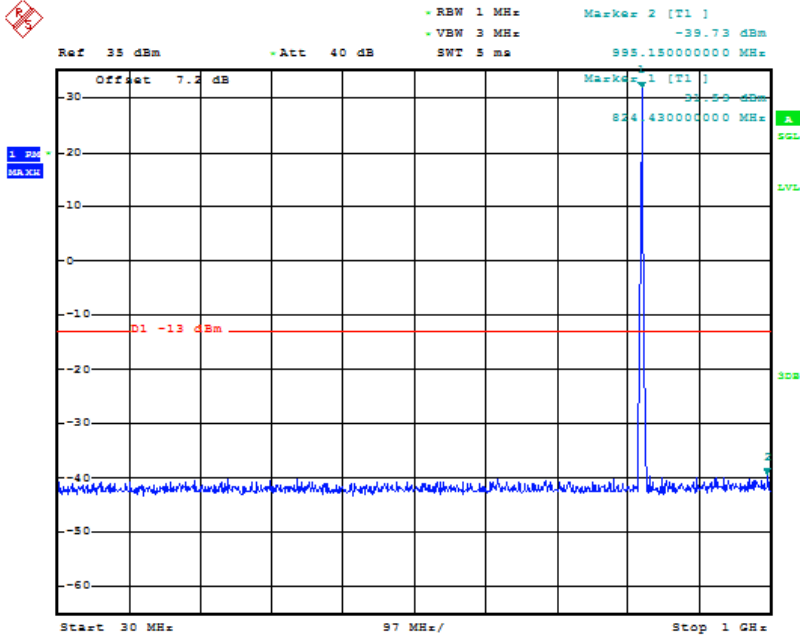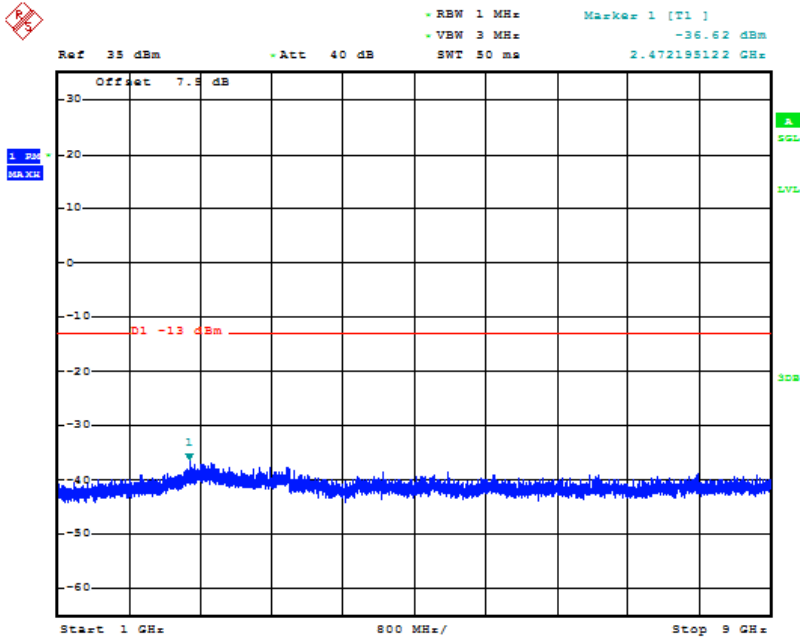
Date: 18.AUG.2017 10:54:08

Out of band measurement
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Test Mode = GSM/TM1
Test Channel = MCH
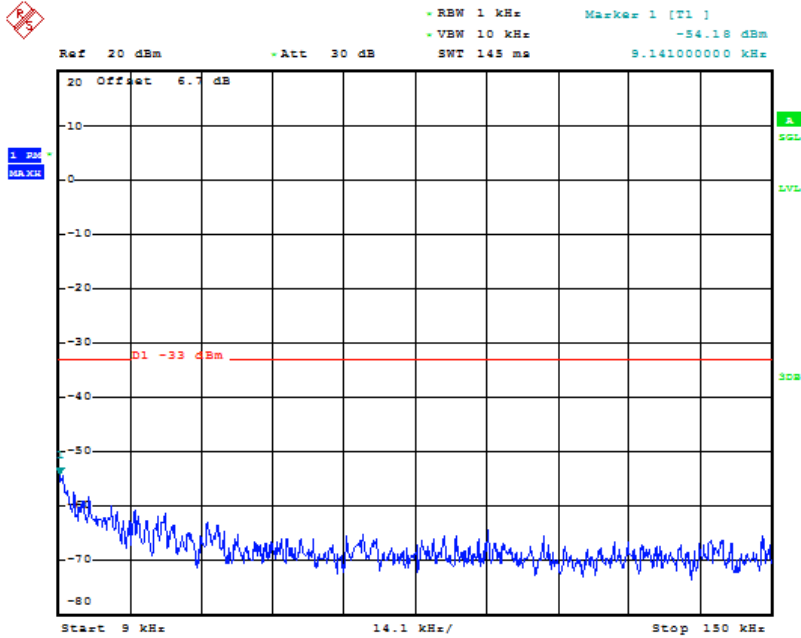
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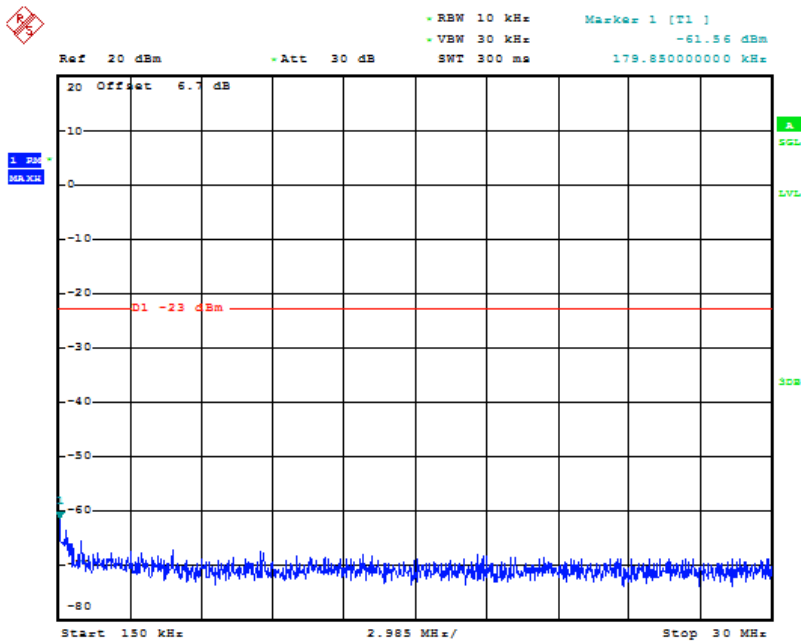
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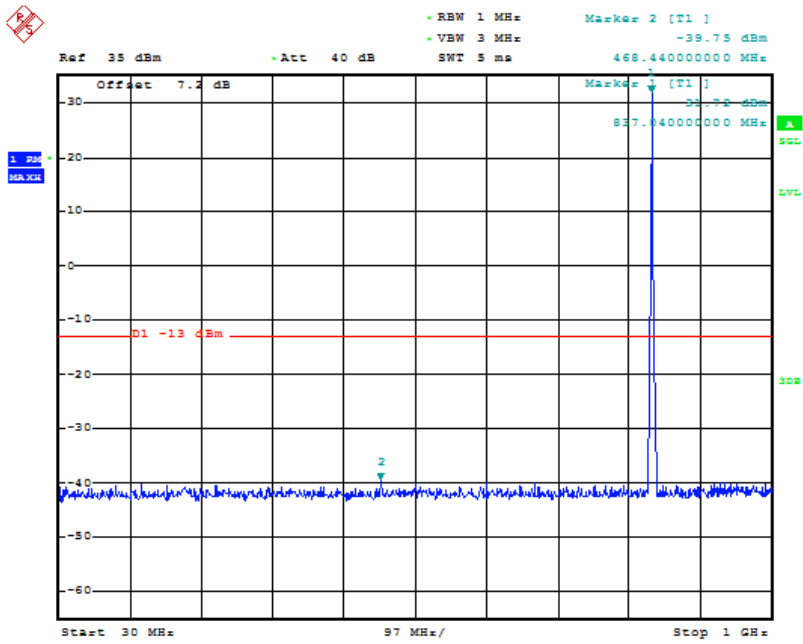
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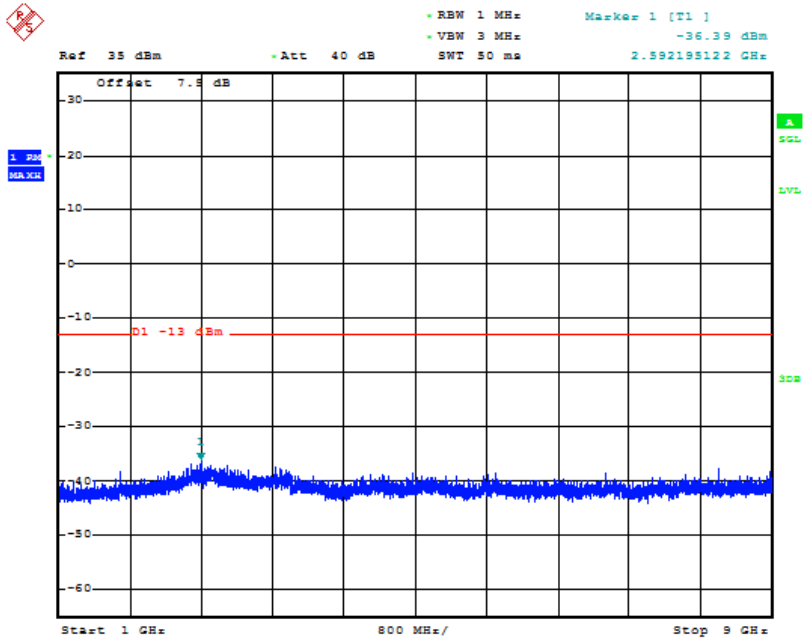
Date: 18.AUG.2017 10:54:55

Out of band measurement
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Test Mode = GSM/TM1
Test Channel = HCH
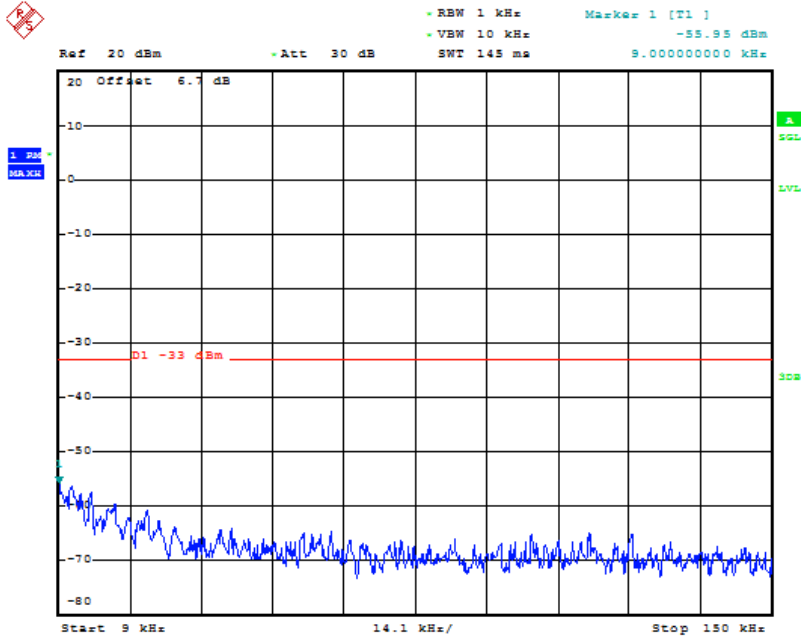
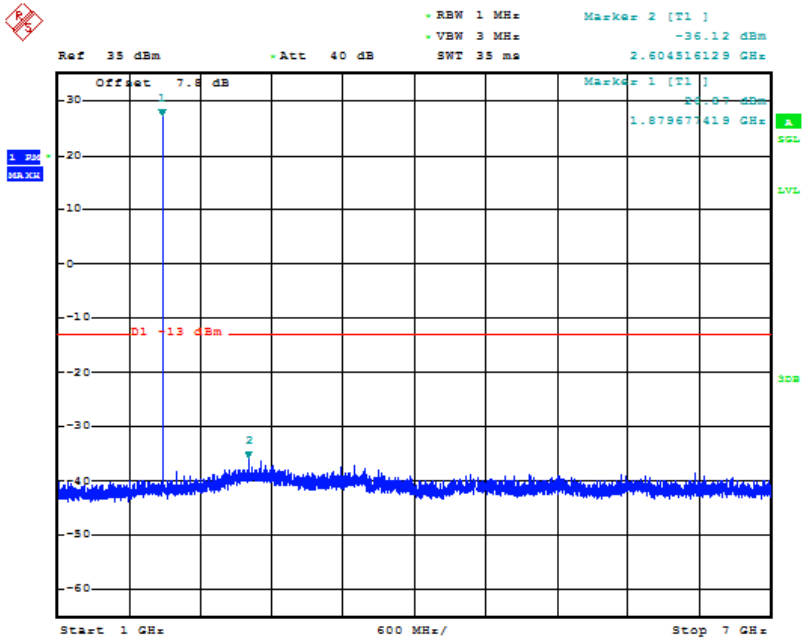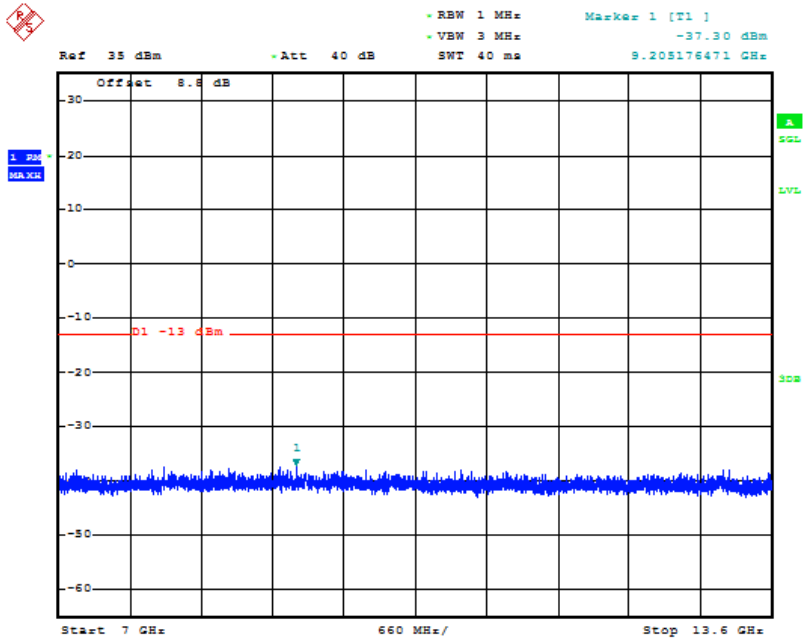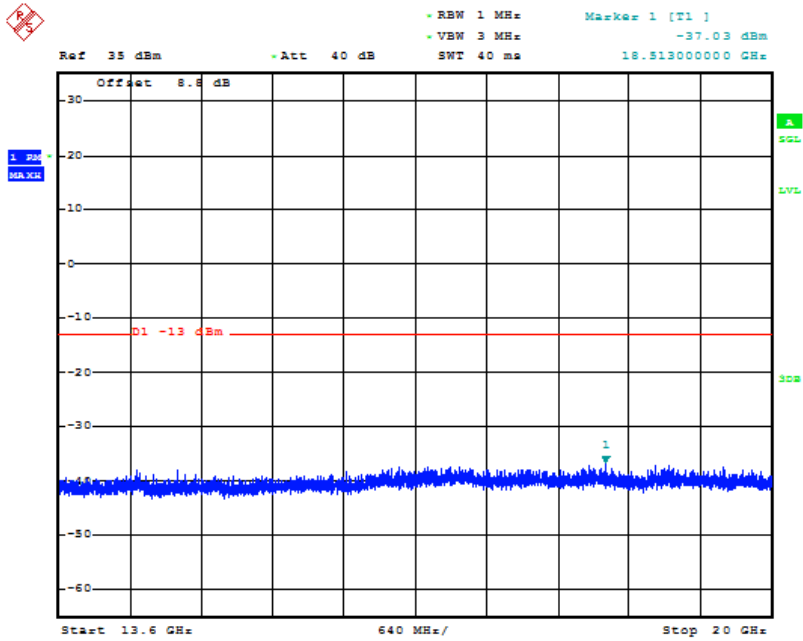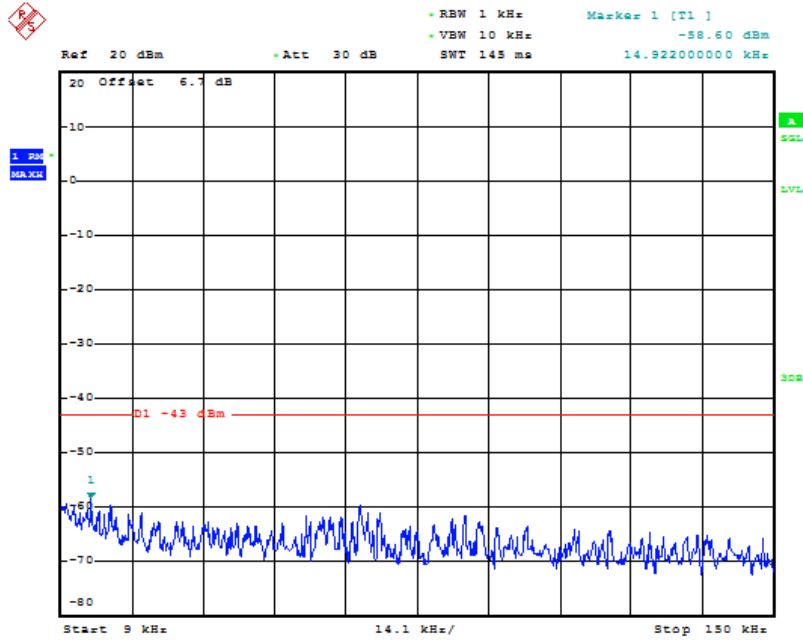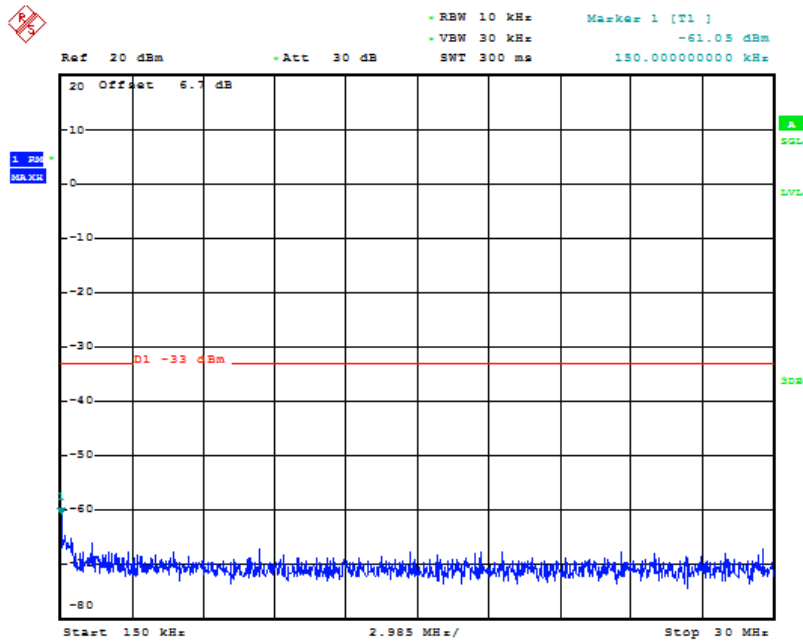Date: 18.AUG.2017 10:55:12
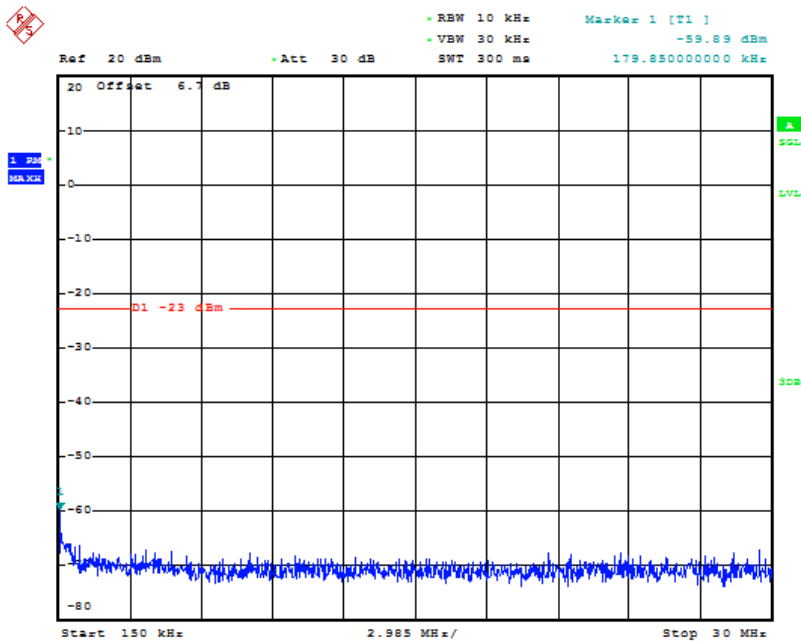
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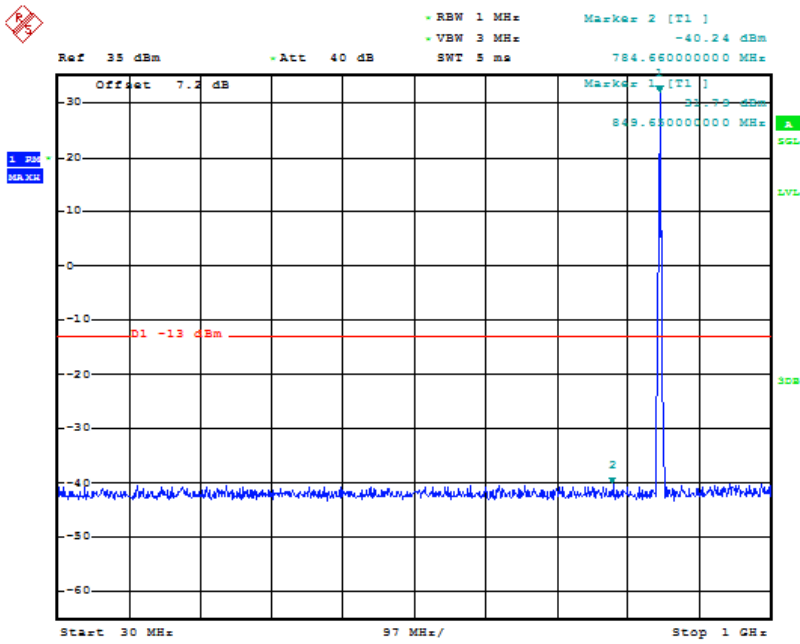
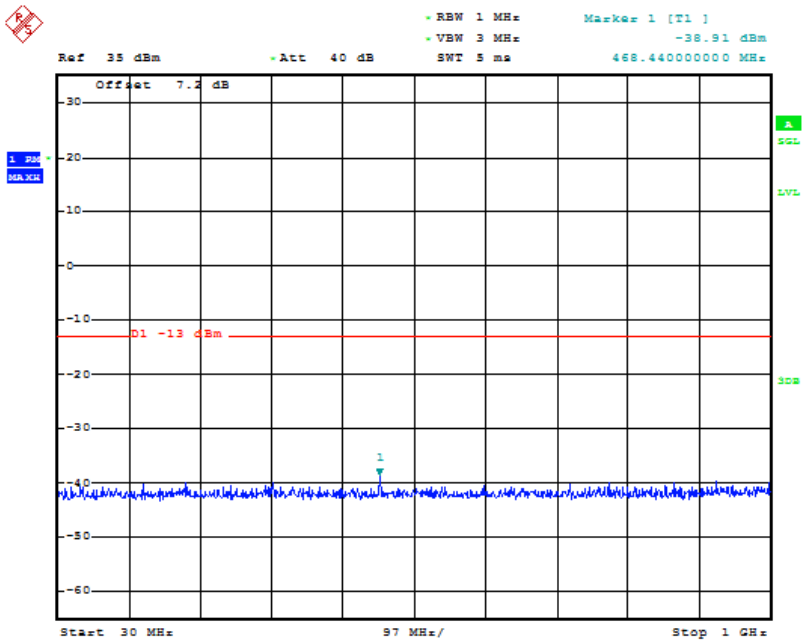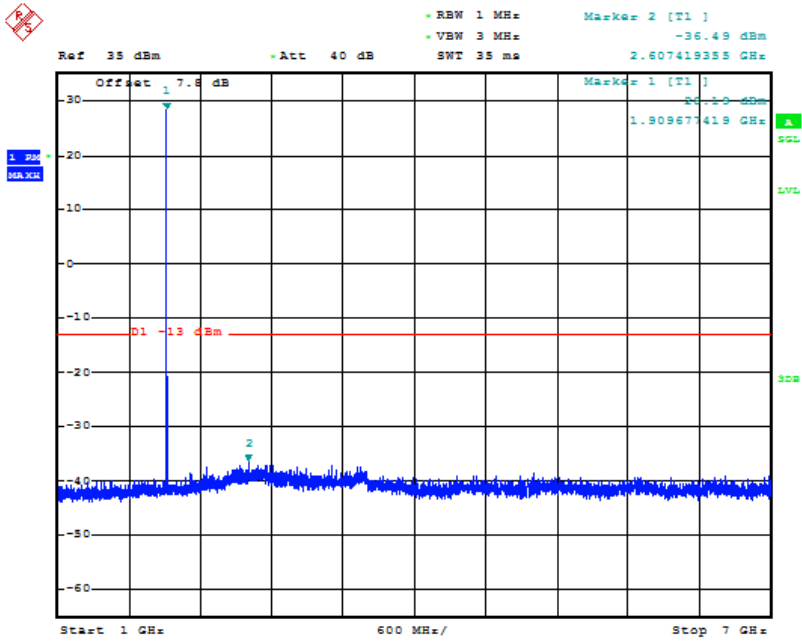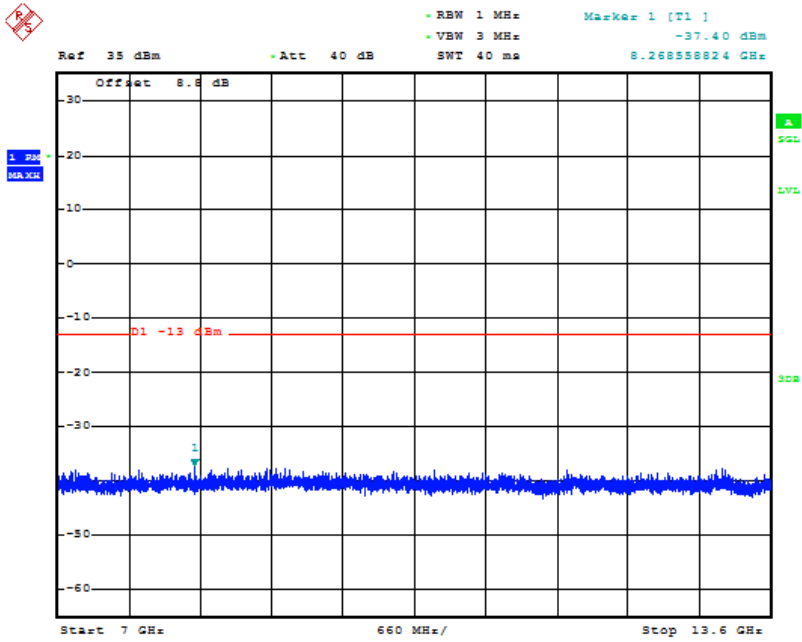Date: 18.AUG.2017 10:55:32
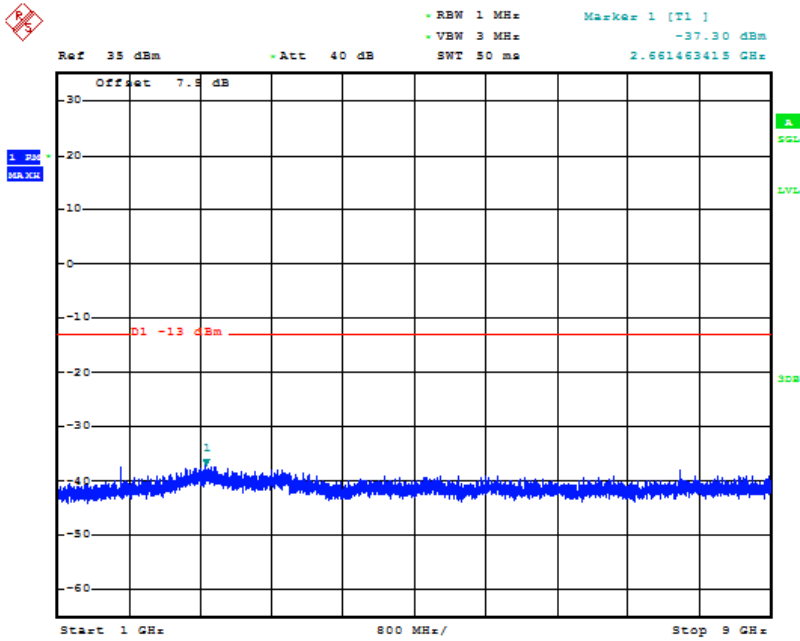
Date: 18.AUG.2017 10:55:42

Out of band measurement
Test Band = GSM850
Test Mode = EDGE /TM2
Test Channel = LCH
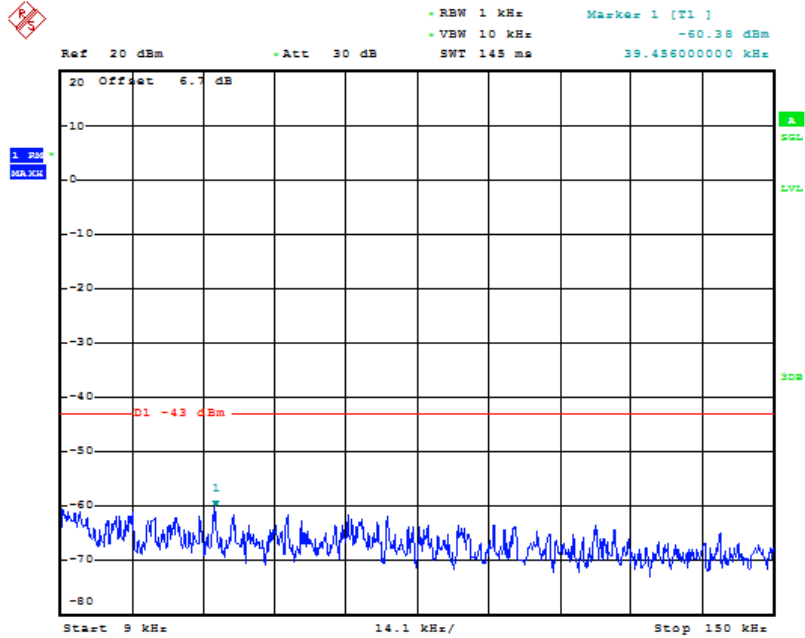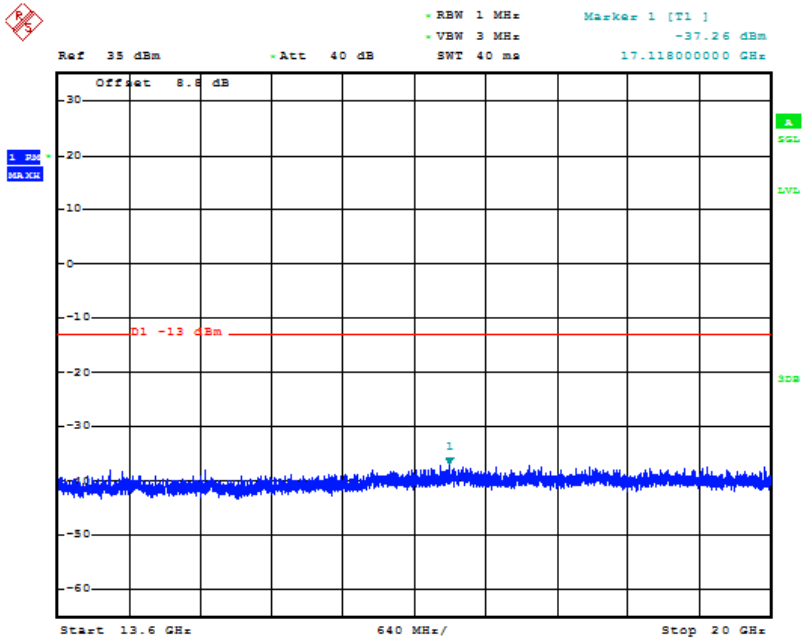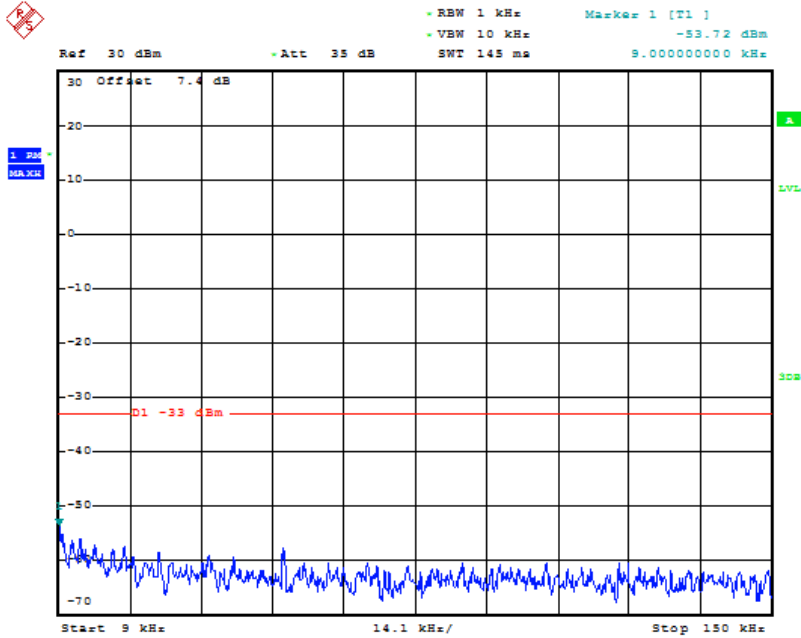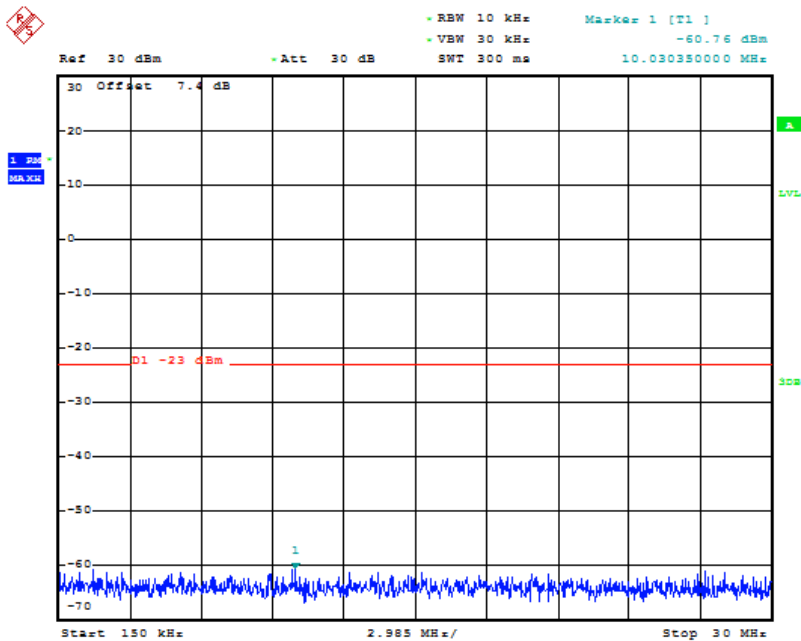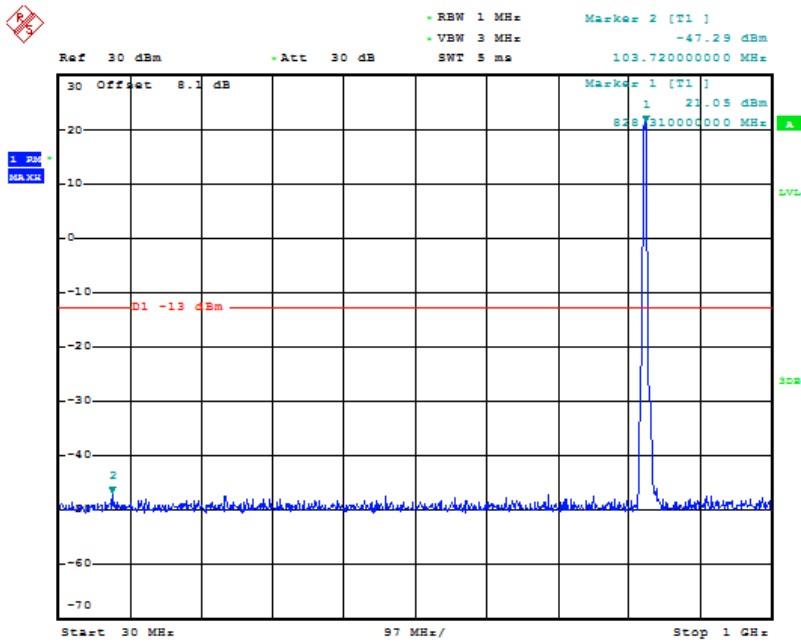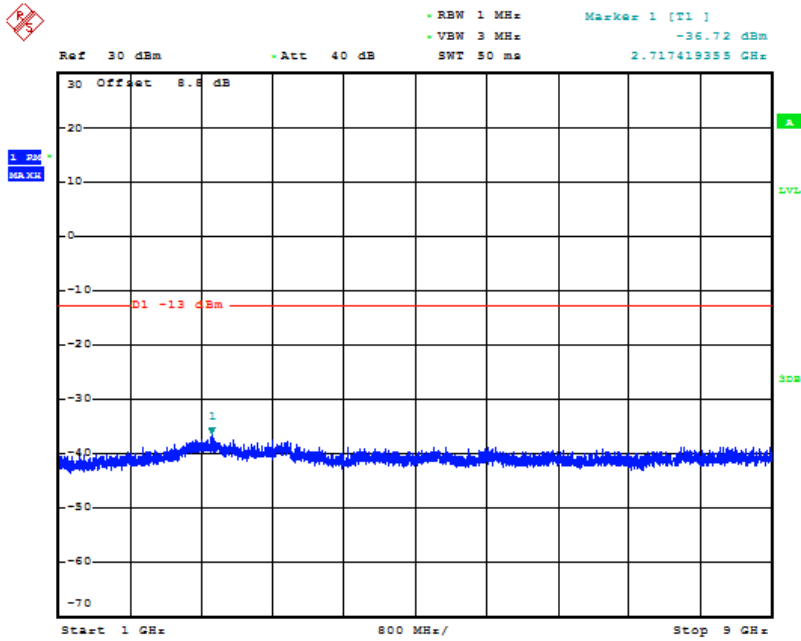

Date: 18.AUG.2017 11:08:33

Date: 18.AUG.2017 11:08:42

Ref 35 dBm   • Att 40 dB   SWT 5 ms

• RBW 1 MHz   Marker 2 [T1]
• VBW 3 MHz   -40.22 dBm
   994.180000000 MHz

Offset 7.2 dB   Marker 1 [T1]
20.00 dBm
824.430000000 MHz

1 RM
MAXH

D1 -13 dBm

Start 30 MHz   97 MHz/   Stop 1 GHz

Date: 18.AUG.2017 11:08:52

Ref 35 dBm   • Att 40 dB   SWT 50 ms

• RBW 1 MHz   Marker 1 [T1]
• VBW 3 MHz   -36.41 dBm
   2.600975610 GHz

Offset 7.5 dB

1 RM
MAXH

D1 -13 dBm

Start 1 GHz   800 MHz/   Stop 9 GHz
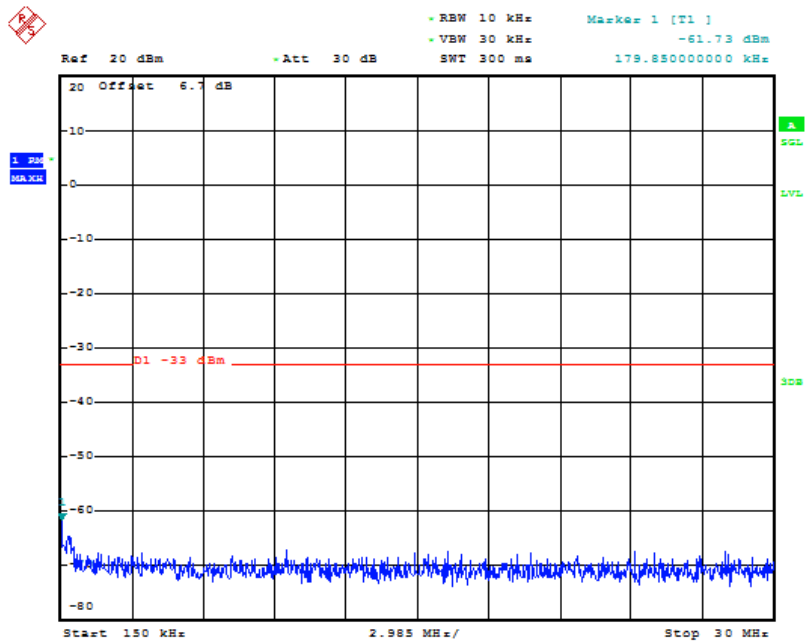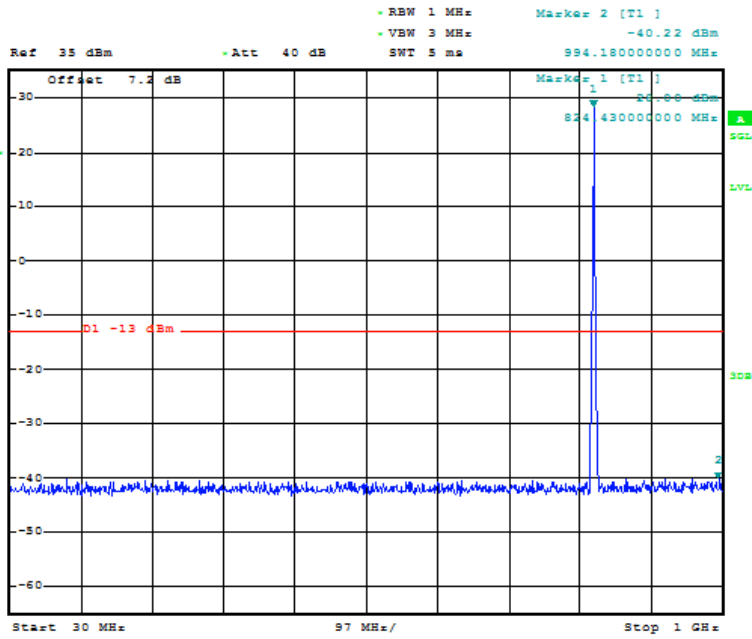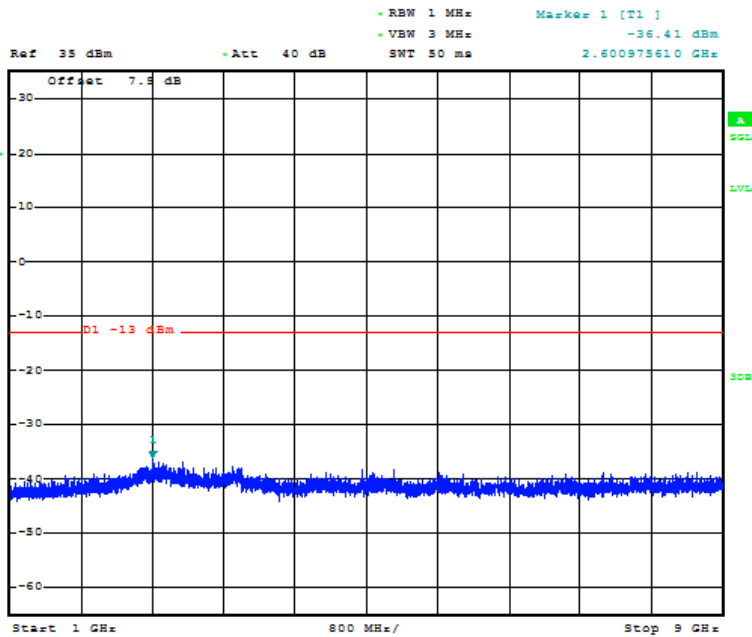
Date: 18.AUG.2017 11:09:01

Out of band measurement
Test Band = GSM850
Test Mode = EDGE /TM2
Test Channel = MCH
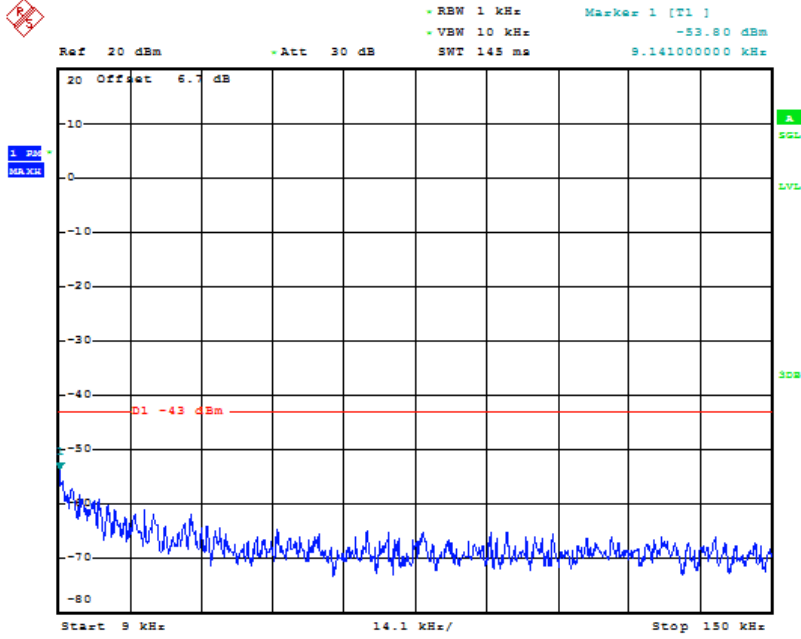
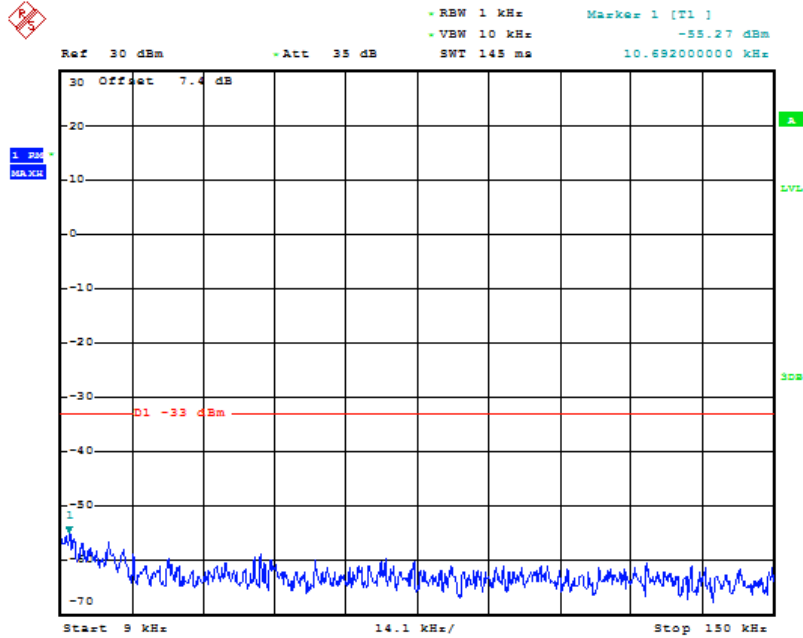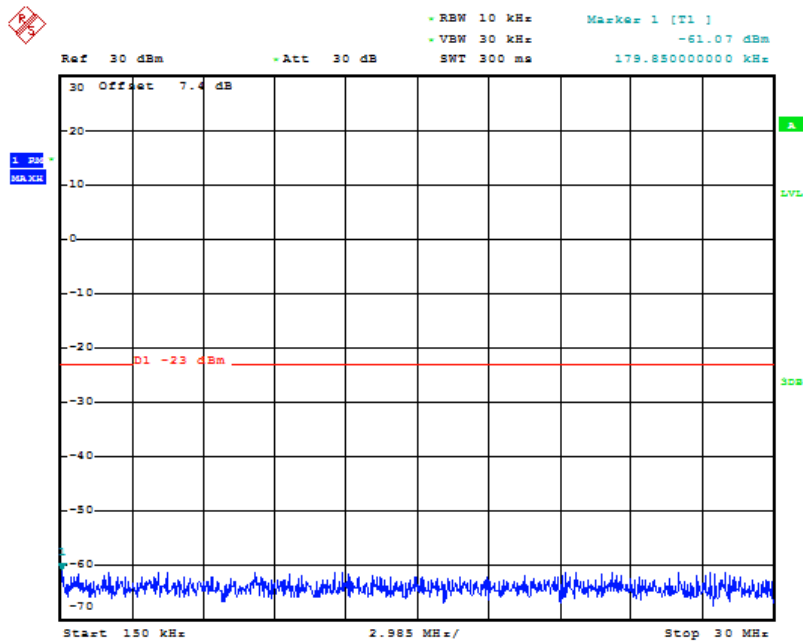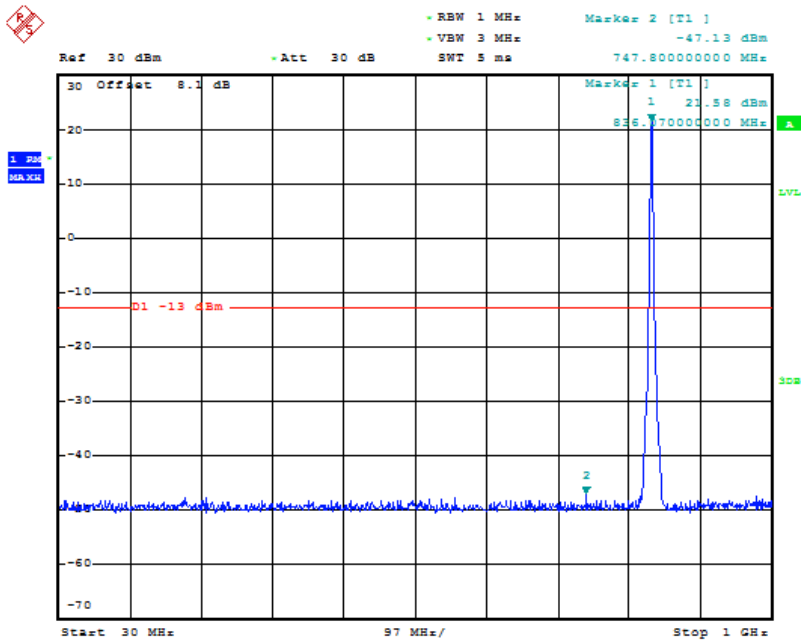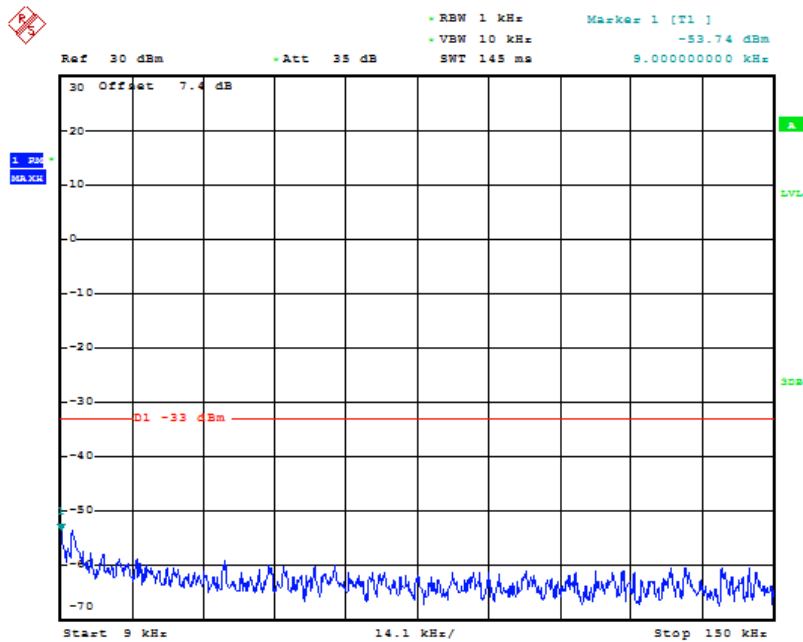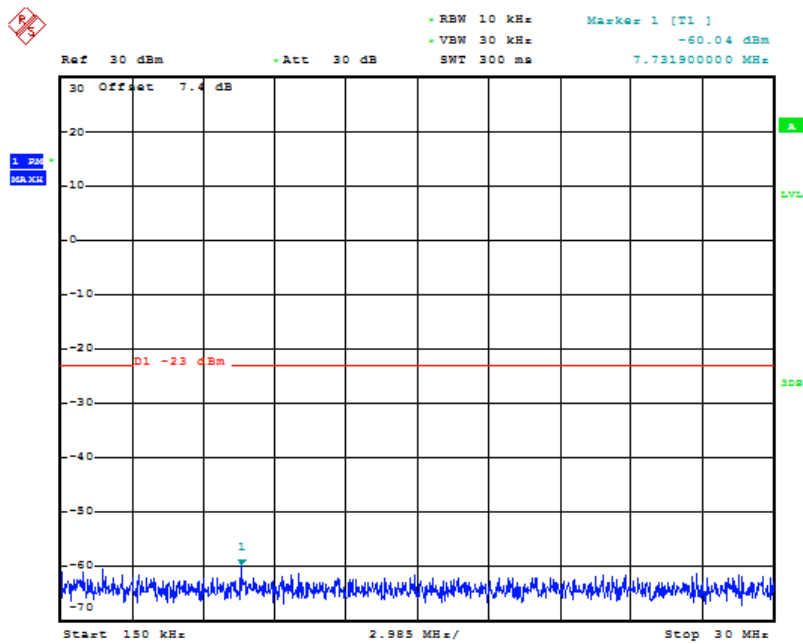

Date: 18.AUG.2017 11:00:47

Date: 18.AUG.2017 11:00:56

Ref 35 dBm   Att 40 dB   RBW 1 MHz   Marker 2 [T1]
                           VBW 3 MHz   -39.81 dBm
                           SWT 5 ms   996.120000000 MHz

Offset 7.2 dB   Marker 1 [T1]
-30   -34.72 dBm
                                        837.040000000 MHz
-20
-10
0
-10
D1 -13 dBm
-20
-30
-40
-50
-60

Start 30 MHz   97 MHz/   Stop 1 GHz

Date: 18.AUG.2017 11:01:49

Ref 35 dBm   Att 40 dB   RBW 1 MHz   Marker 1 [T1]
                           VBW 3 MHz   -36.42 dBm
                           SWT 50 ms   2.734634146 GHz

Offset 7.5 dB
-30
-20
-10
0
-10
D1 -13 dBm
-20
-30
-40
-50
-60

Start 1 GHz   800 MHz/   Stop 9 GHz
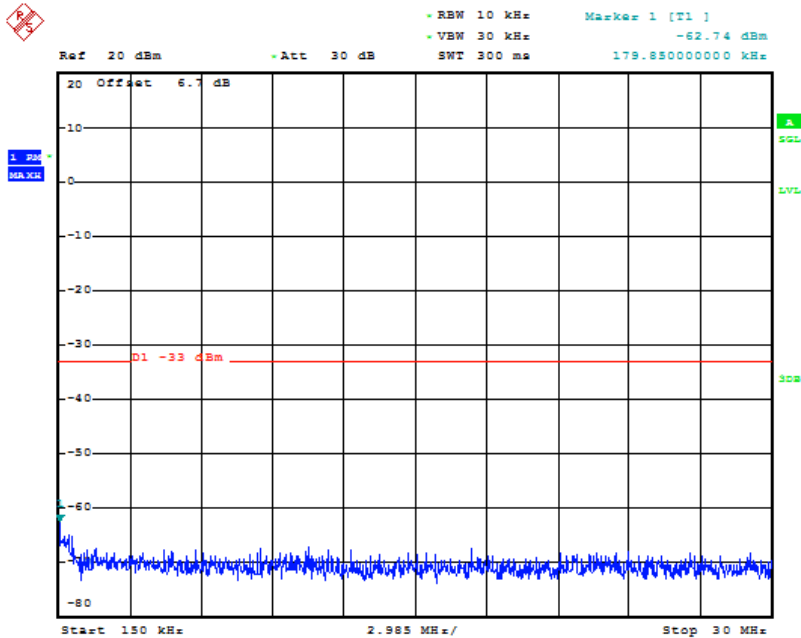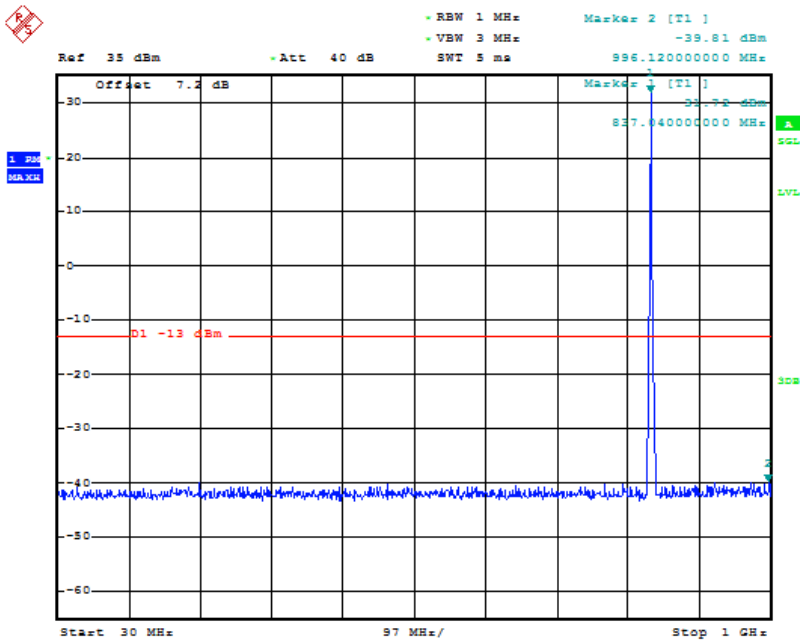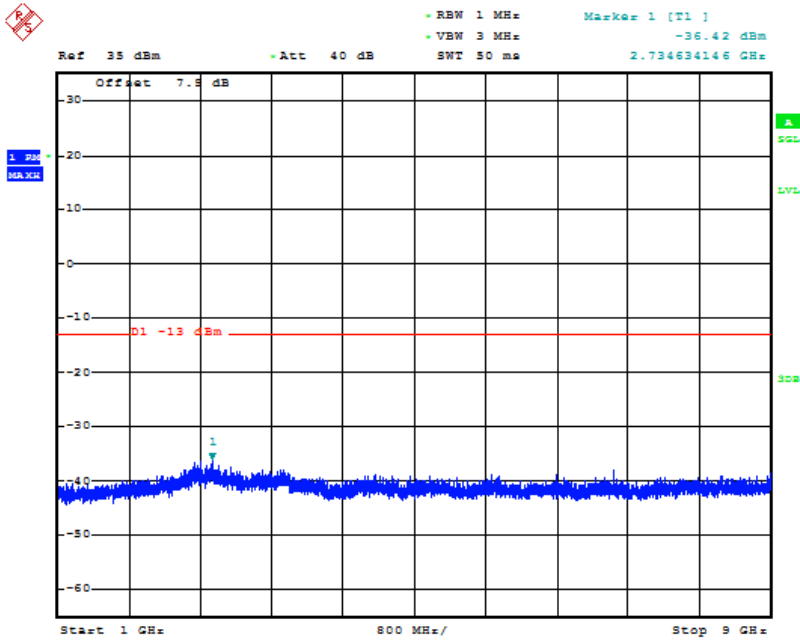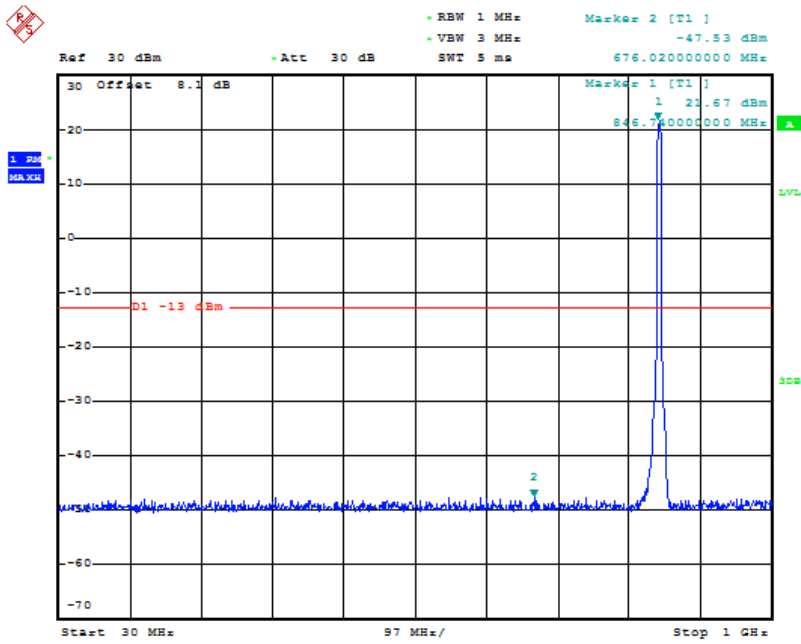
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Out of band measurement
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Test Mode = EDGE /TM2
Test Channel = HCH
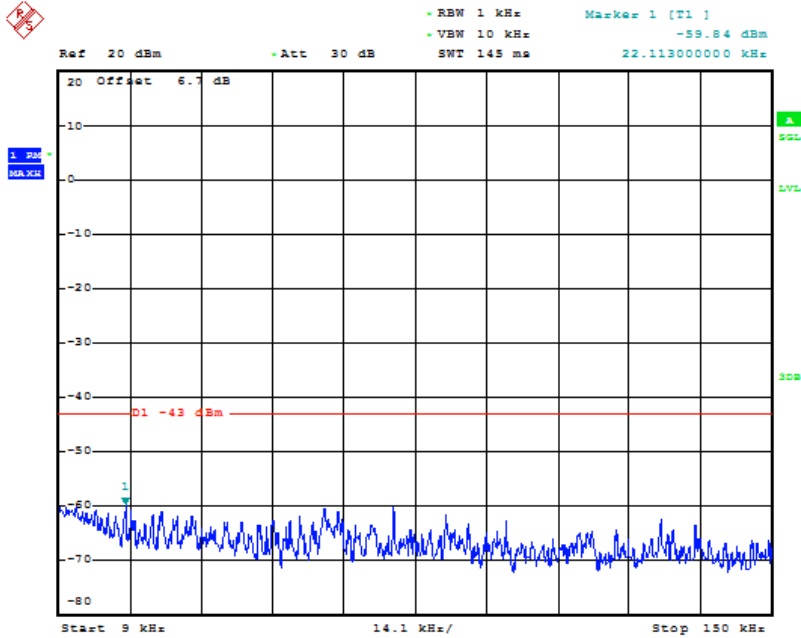
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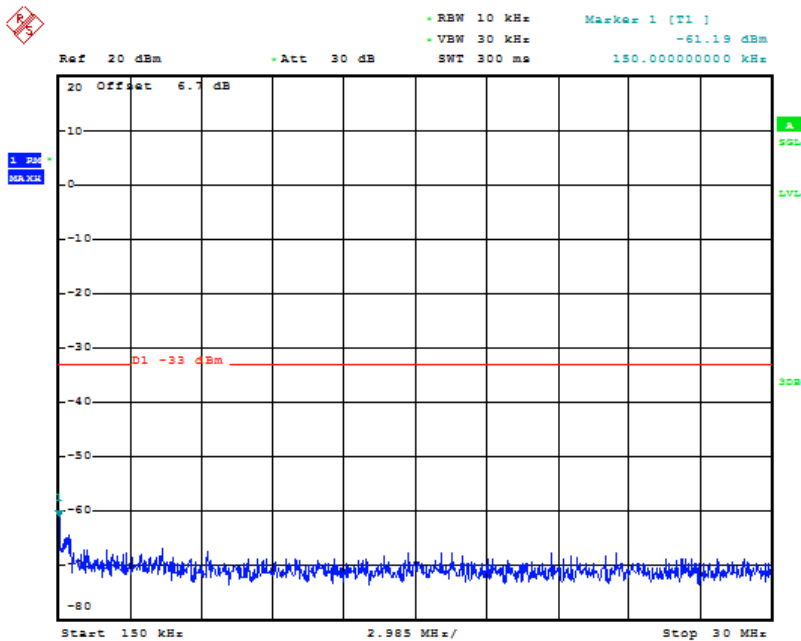

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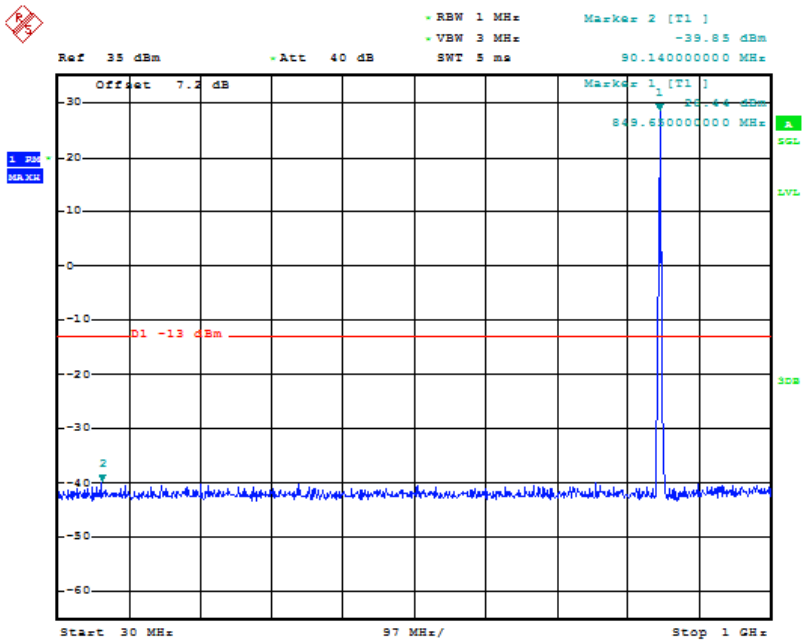
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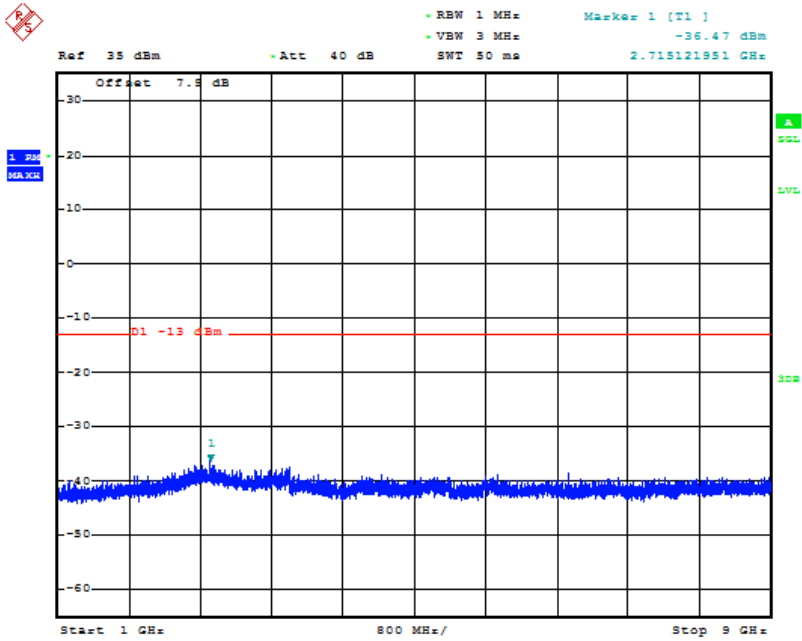
Date: 18.AUG.2017 11:10:31

Out of band measurement
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Test Mode = GSM/TM1
Test Channel = LCH
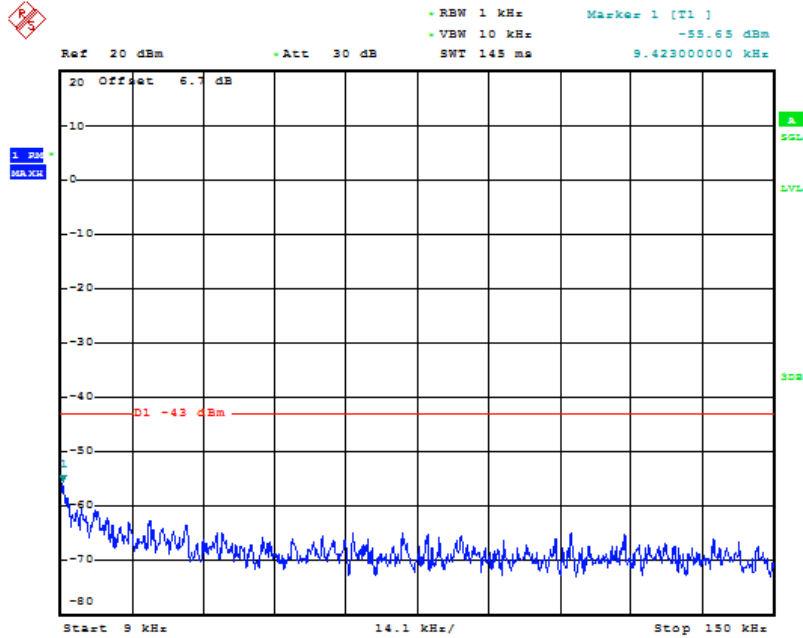

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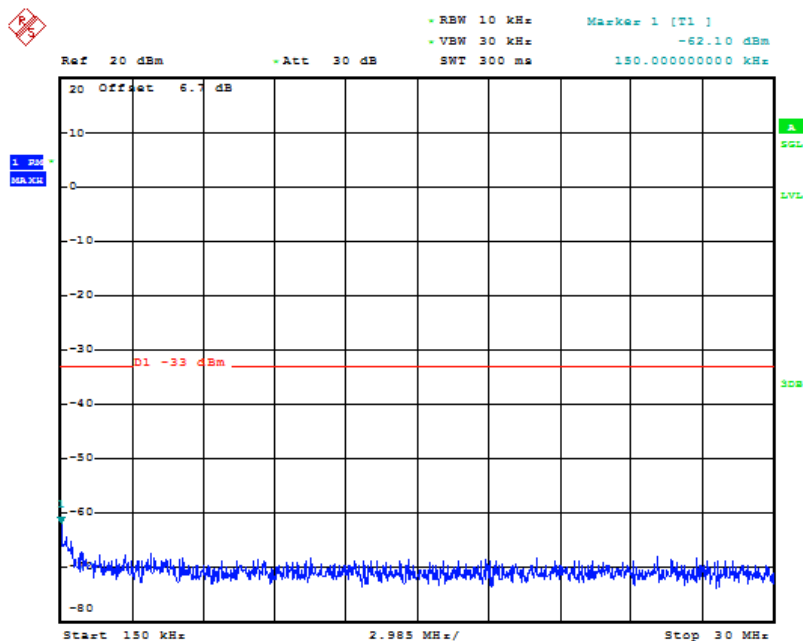
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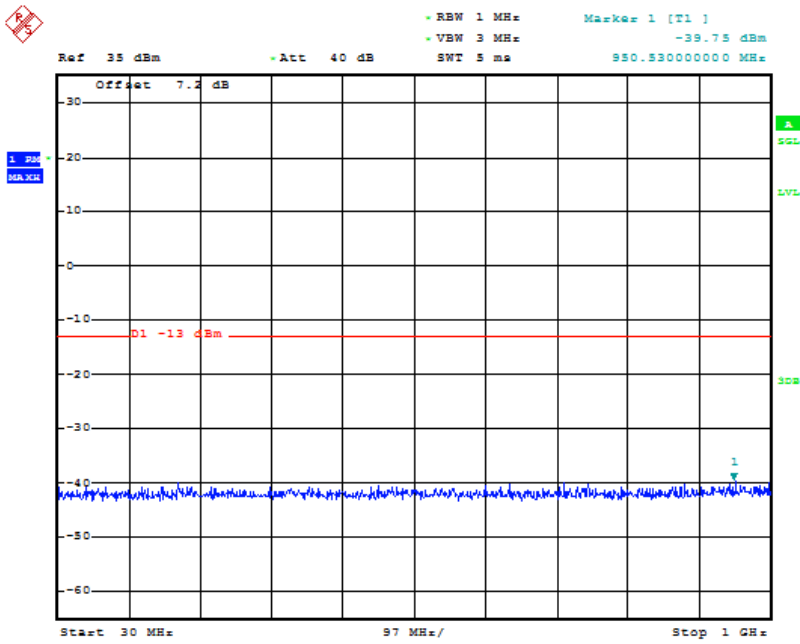
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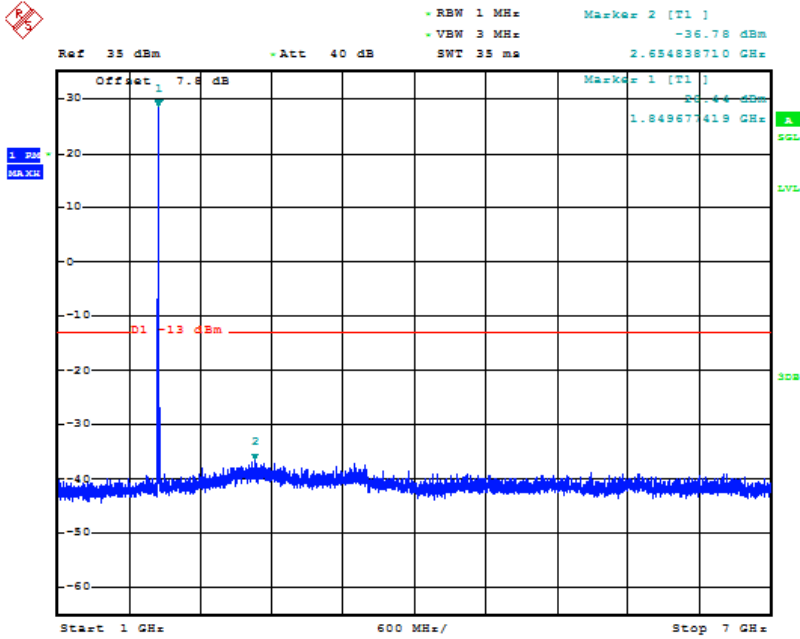
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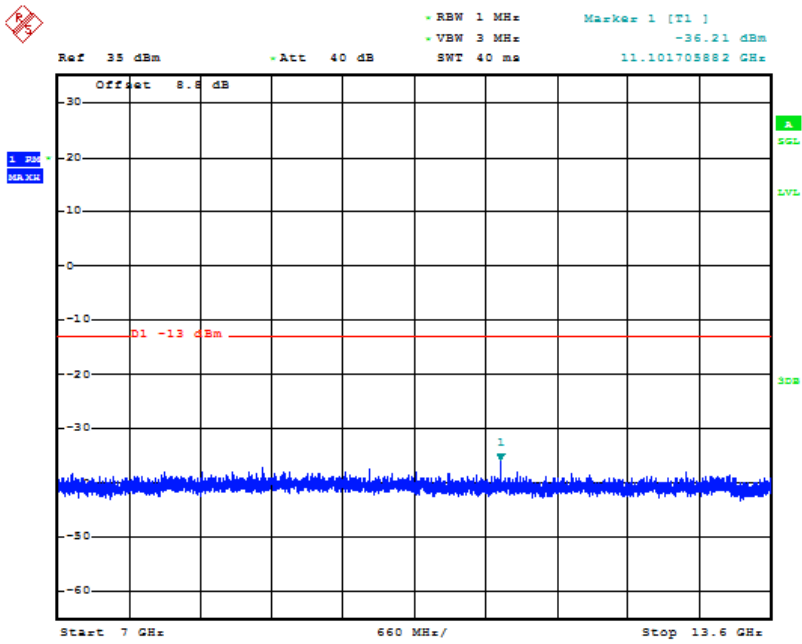
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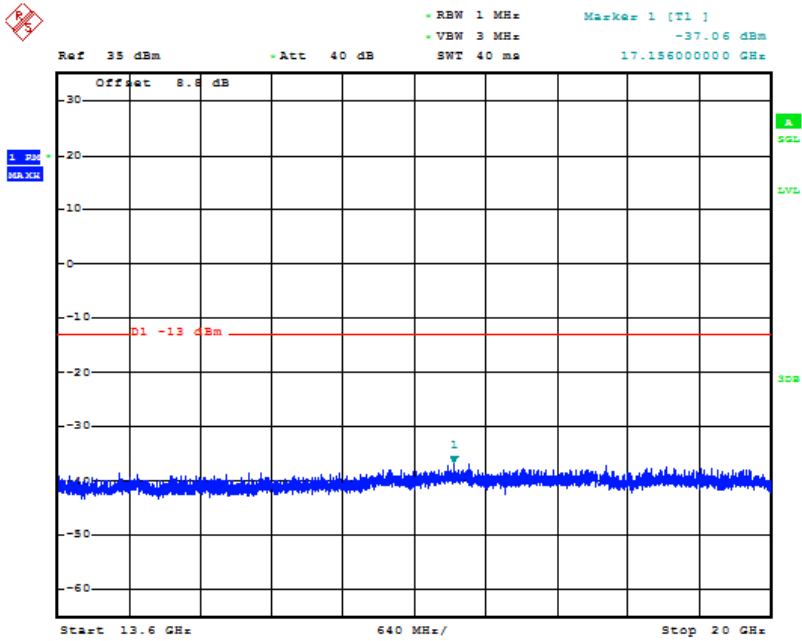
Date: 18.AUG.2017 11:39:56

Out of band measurement
Test Band = GSM1900
Test Mode = GSM/TM1
Test Channel = MCH
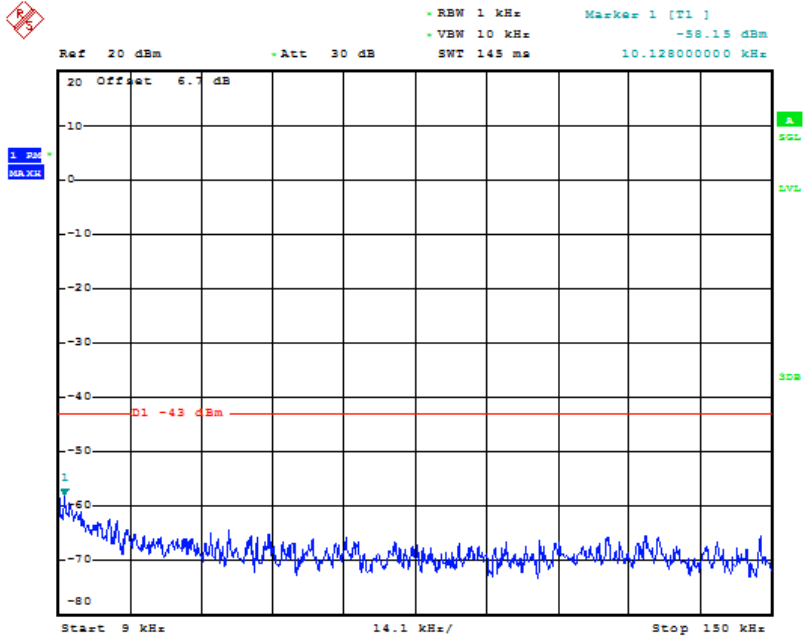
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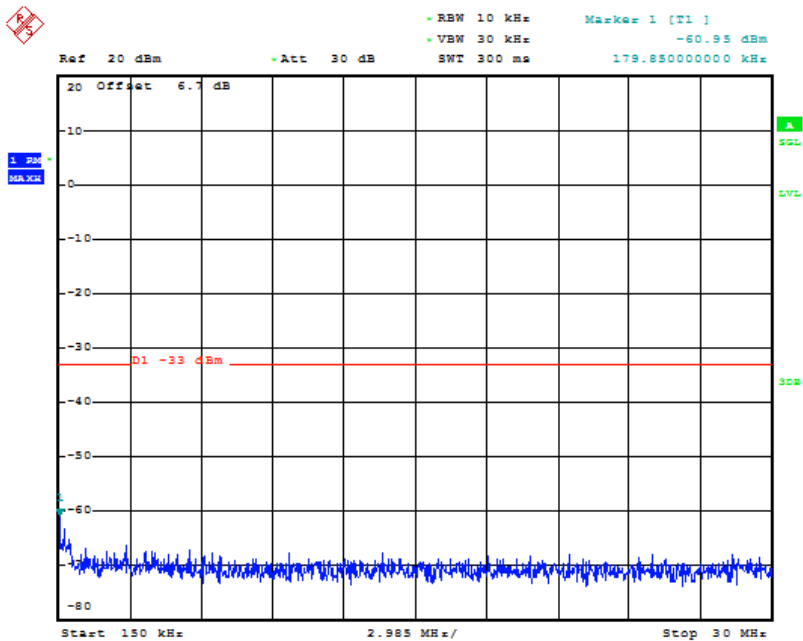
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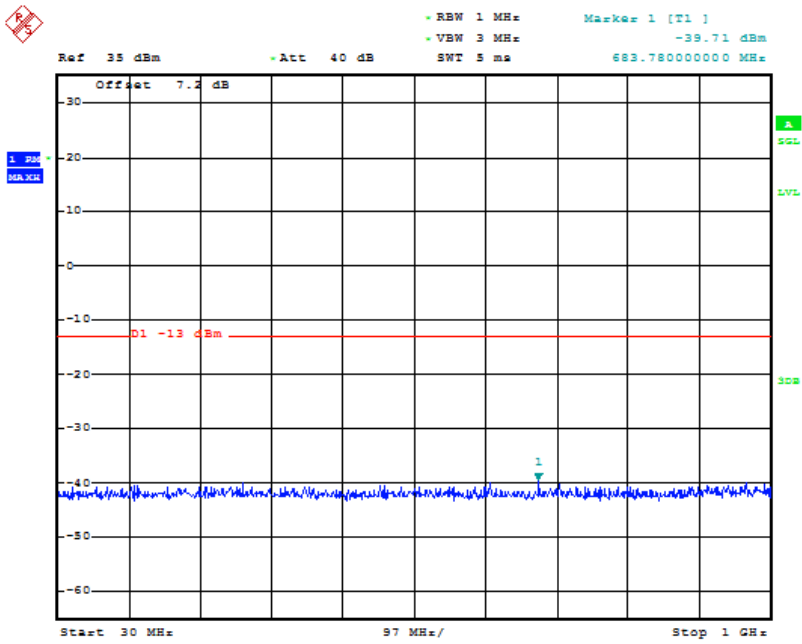
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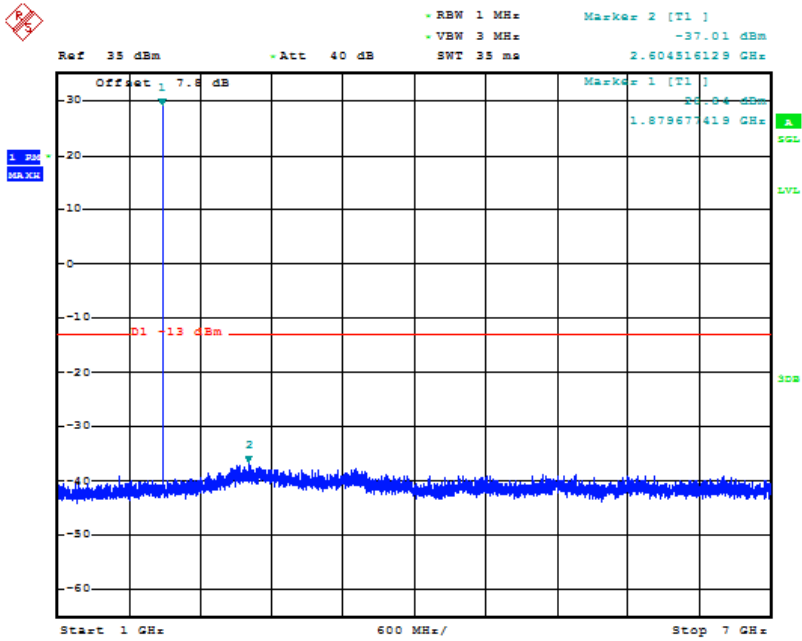

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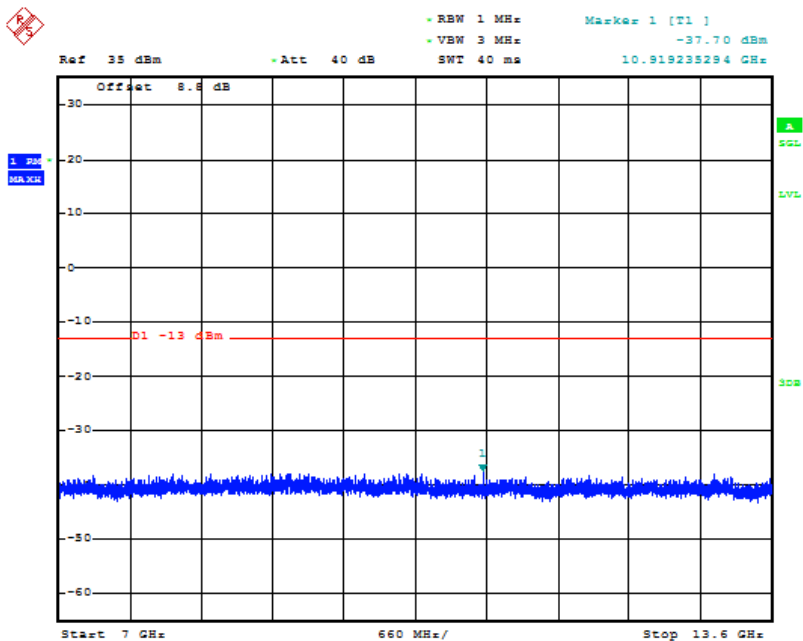
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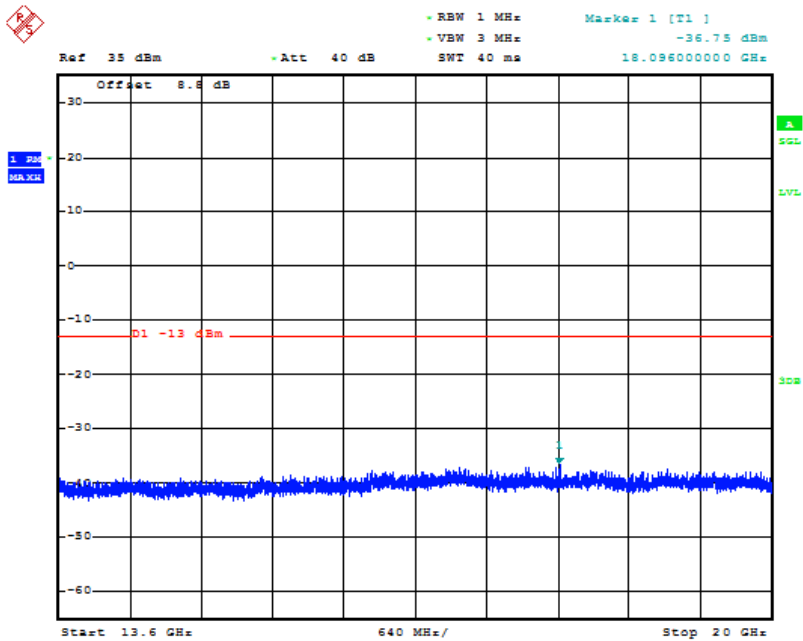
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Out of band measurement
Test Band = GSM1900
Test Mode = GSM/TM1
Test Channel = HCH
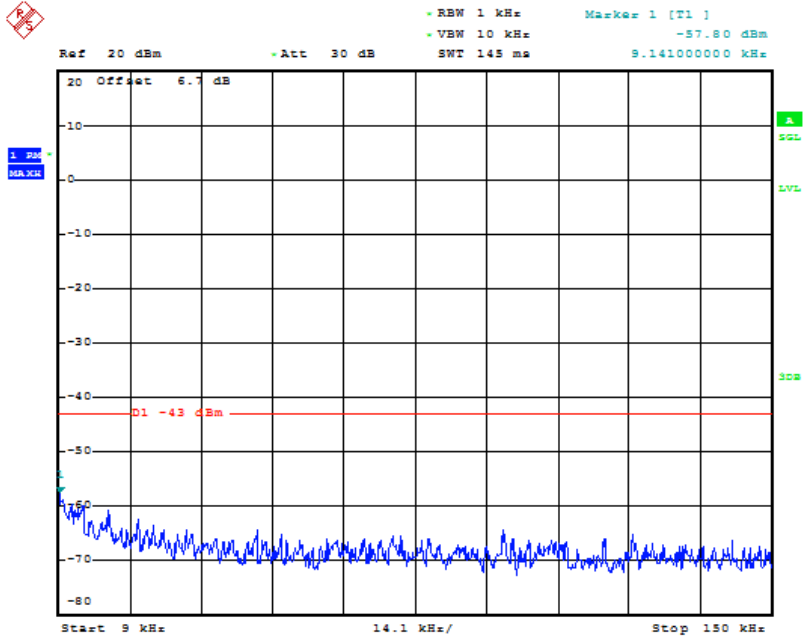
Date: 18.AUG.2017 11:32:47
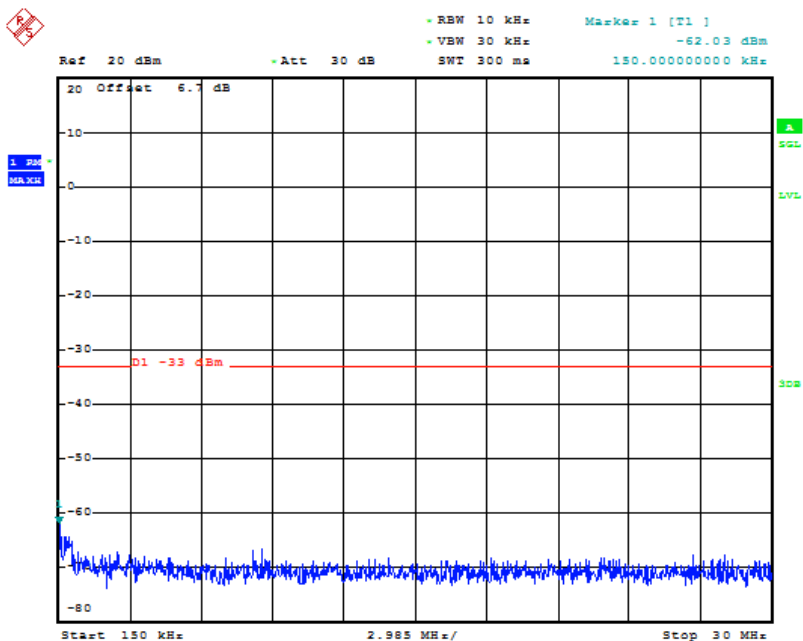
Date: 18.AUG.2017 11:32:57
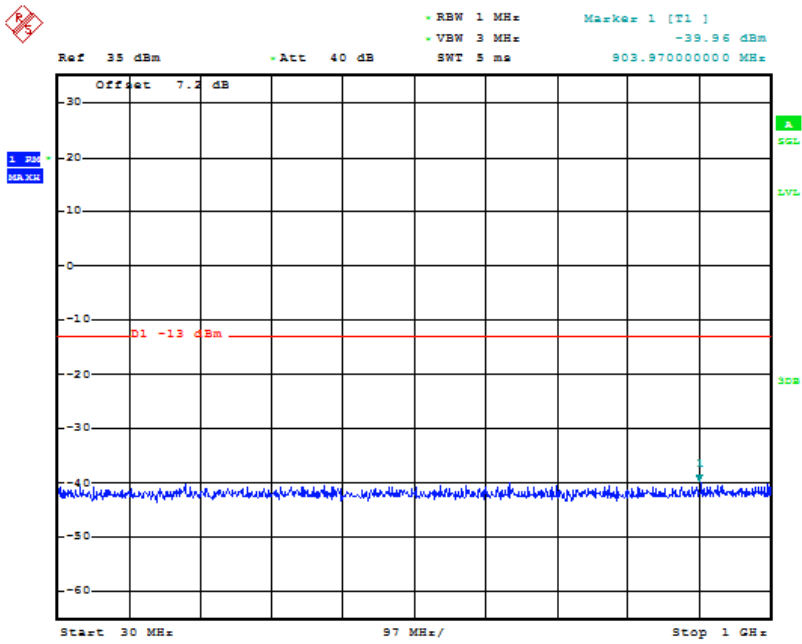
Date: 18.AUG.2017 11:33:06

Date: 18.AUG.2017 11:33:17

Ref 35 dBm　　　　Att 40 dB　　SWT 40 ms

RBW 1 MHz
VBW 3 MHz

Marker 1 [T1]
　　　　　-37.14 dBm
10.558176471 GHz

Offset 8.8 dB

D1 -13 dBm

Start 7 GHz　　　　660 MHz/　　　　Stop 13.6 GHz
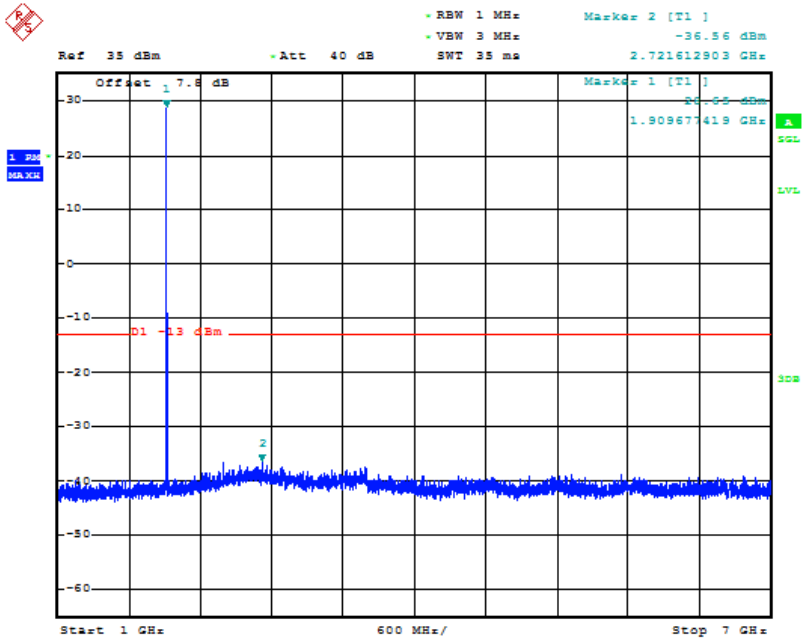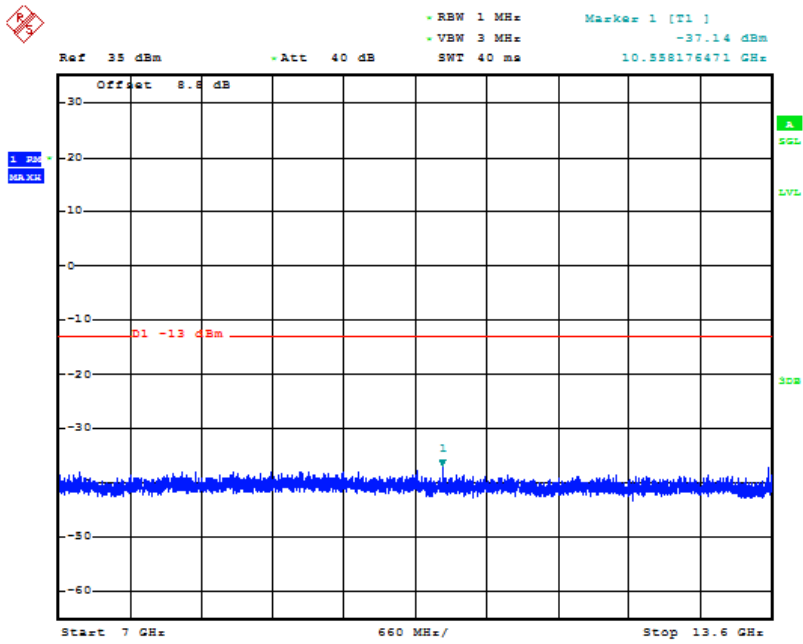
Date: 18.AUG.2017 11:41:49

Ref 35 dBm　　　　Att 40 dB　　SWT 40 ms

RBW 1 MHz
VBW 3 MHz

Marker 1 [T1]
　　　　　-36.07 dBm
17.196000000 GHz

Offset 8.8 dB

D1 -13 dBm

Start 13.6 GHz　　　　640 MHz/　　　　Stop 20 GHz
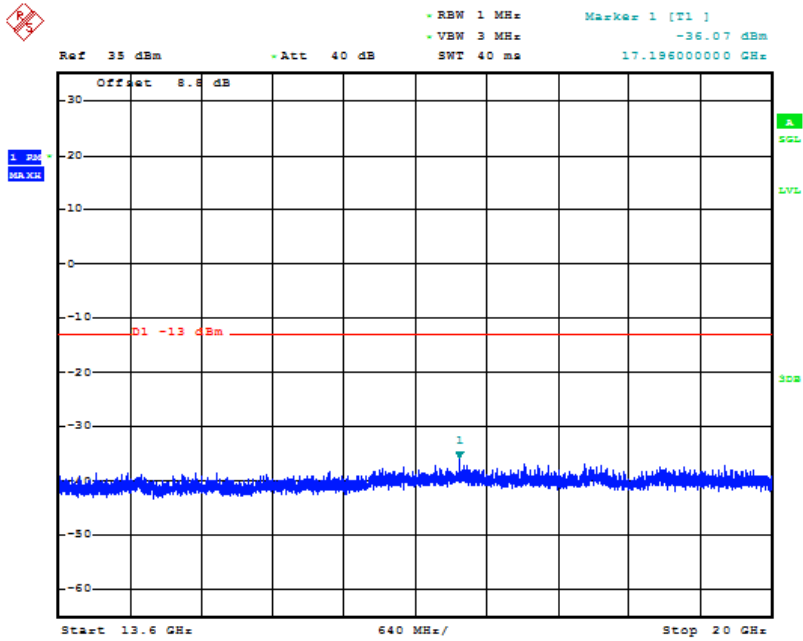
Date: 18.AUG.2017 11:41:58

Out of band measurement
Test Band = GSM1900
Test Mode = EDGE /TM2
Test Channel = LCH
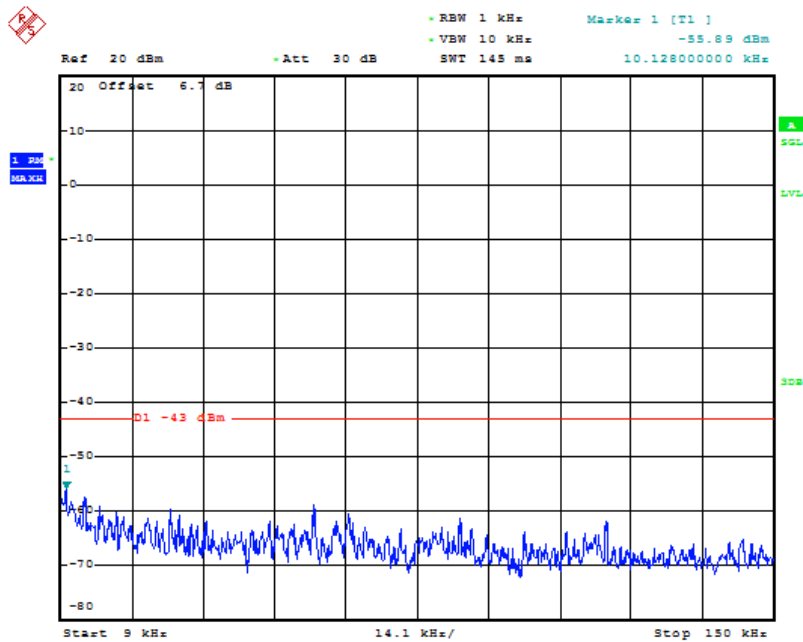
Date: 18.AUG.2017 11:50:13
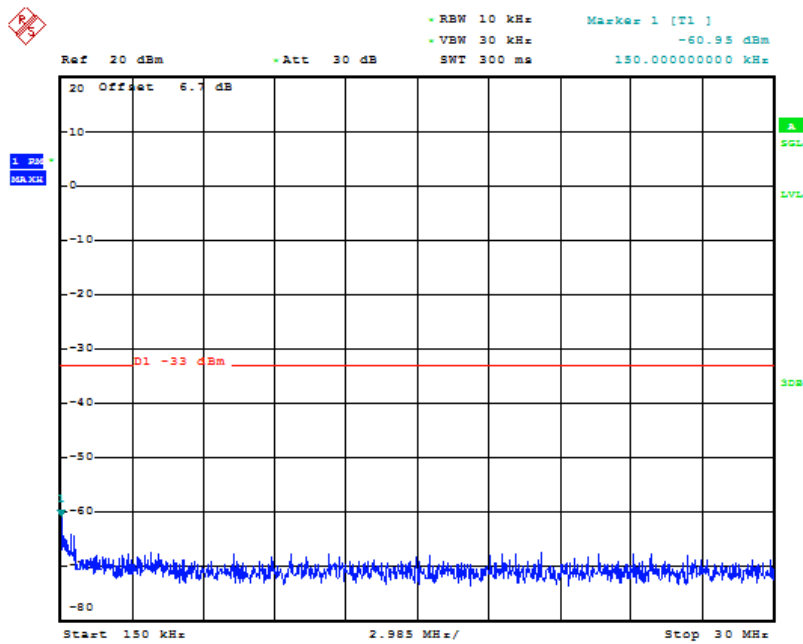
Date: 18.AUG.2017 11:50:22
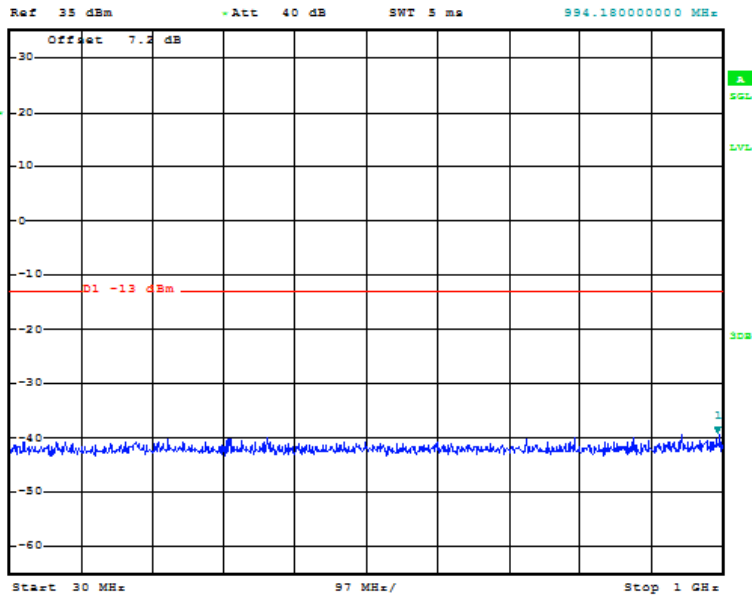
Date: 18.AUG.2017 11:50:31
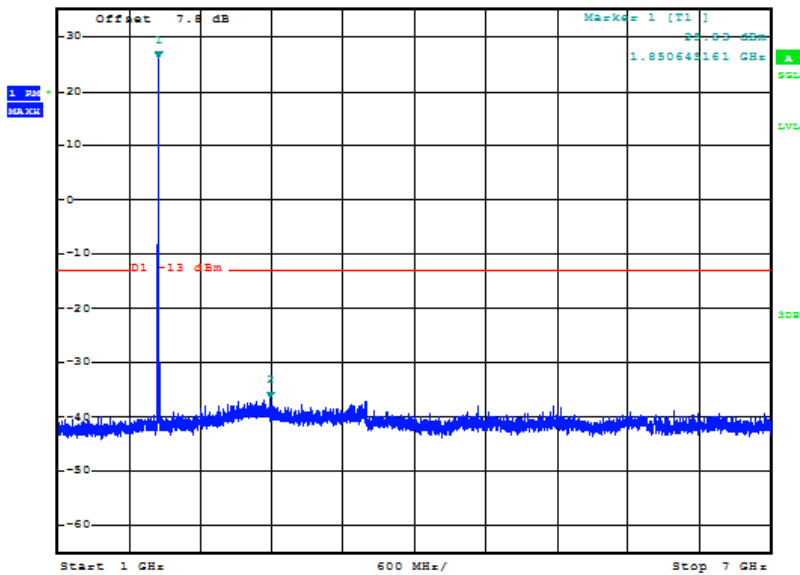
Date: 18.AUG.2017 11:50:42
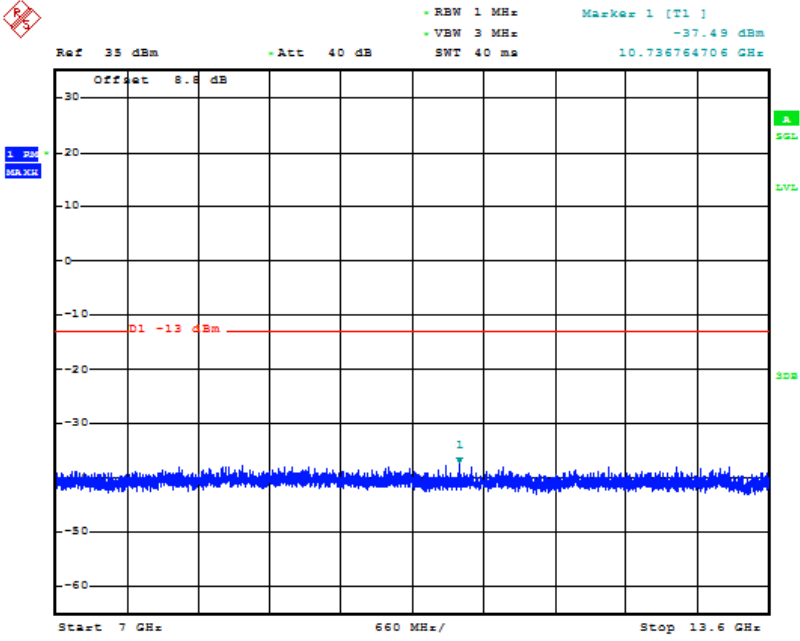
Date: 18.AUG.2017 11:50:51
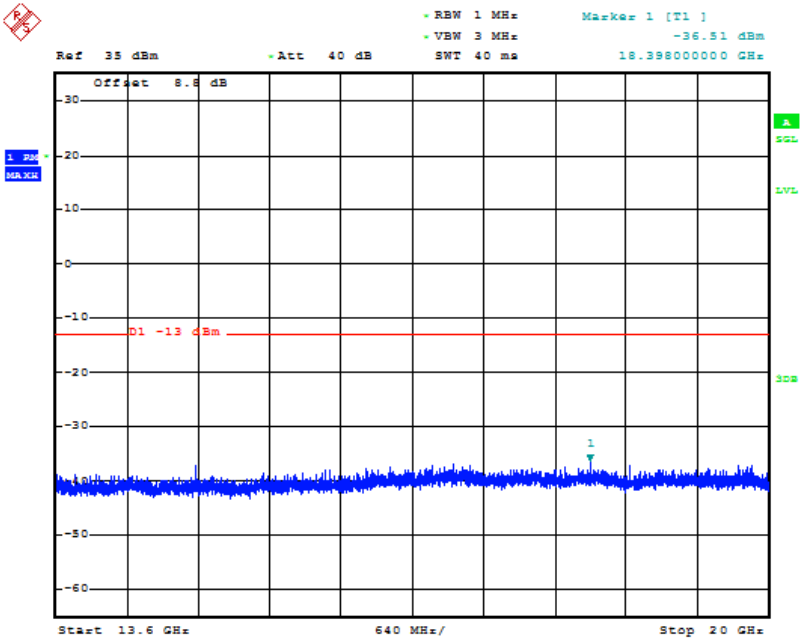
Date: 18.AUG.2017 11:51:00

Out of band measurement
Test Band = GSM1900
Test Mode = EDGE /TM2
Test Channel = MCH
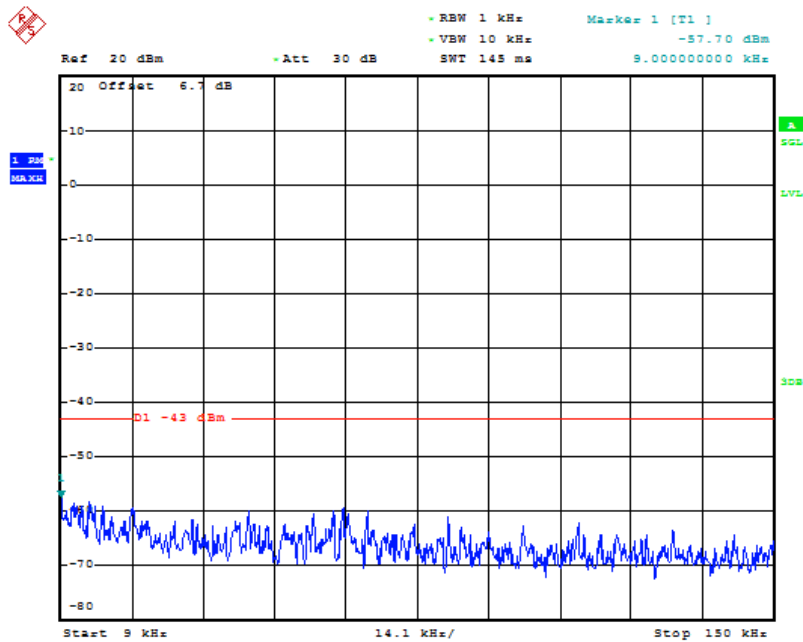
Date: 18.AUG.2017 11:51:18
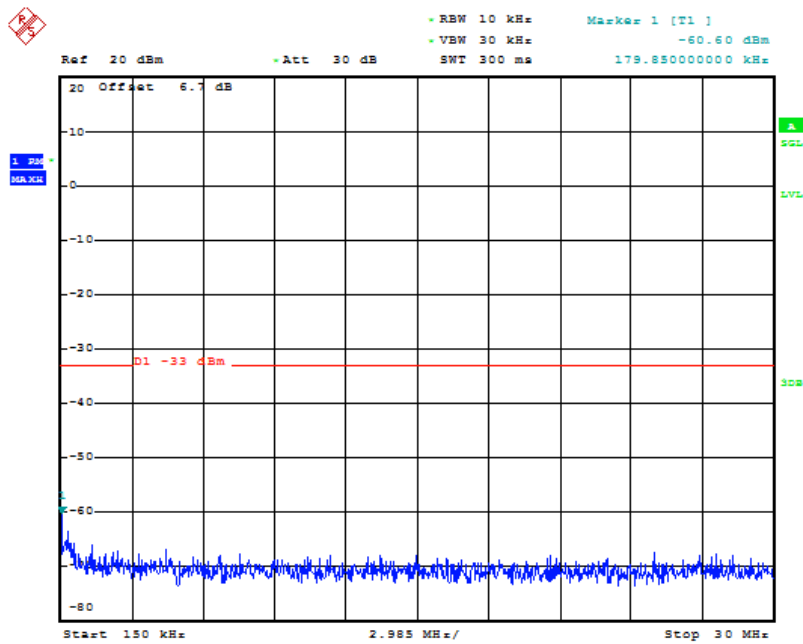
Date: 18.AUG.2017 11:51:27
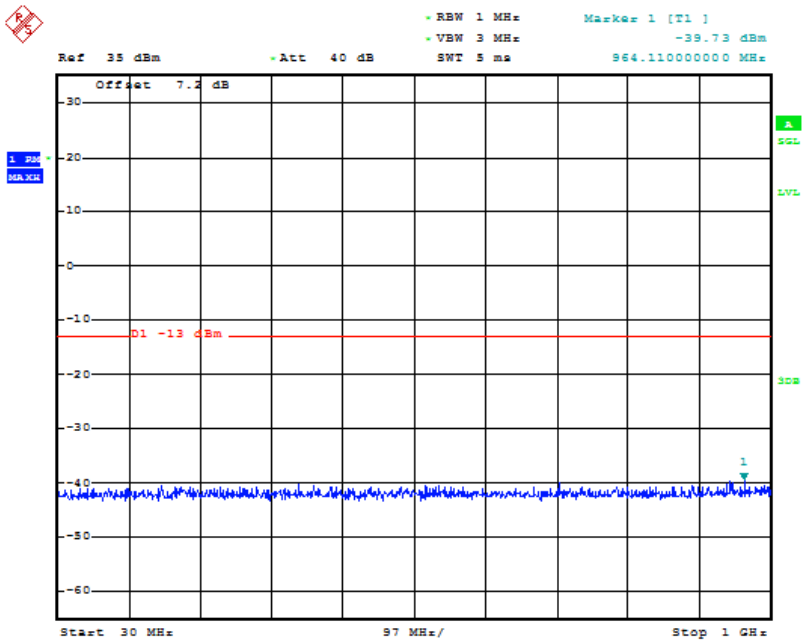
Date: 18.AUG.2017 11:51:36

Date: 18.AUG.2017 11:51:46

Date: 18.AUG.2017 11:51:55

Date: 18.AUG.2017 11:52:04

Out of band measurement
Test Band = GSM1900
Test Mode = EDGE /TM2
Test Channel = HCH

Date: 18.AUG.2017 11:52:22

Date: 18.AUG.2017 11:52:31

Date: 18.AUG.2017 11:52:40

Date: 18.AUG.2017 11:52:50

Date: 18.AUG.2017 11:52:59

Date: 18.AUG.2017 11:53:08

Out of band measurement
Test Band = WCDMA850
Test Mode = UMTS/TM3
Test Channel = LCH

Date: 18.AUG.2017 09:03:42

Date: 18.AUG.2017 09:03:50

Date: 18.AUG.2017 09:04:00

Date: 18.AUG.2017 09:04:08

Out of band measurement
Test Band = WCDMA850
Test Mode = UMTS/TM3
Test Channel = MCH

Date: 18.AUG.2017 09:04:26

Date: 18.AUG.2017 09:04:34

Date: 18.AUG.2017 09:04:43
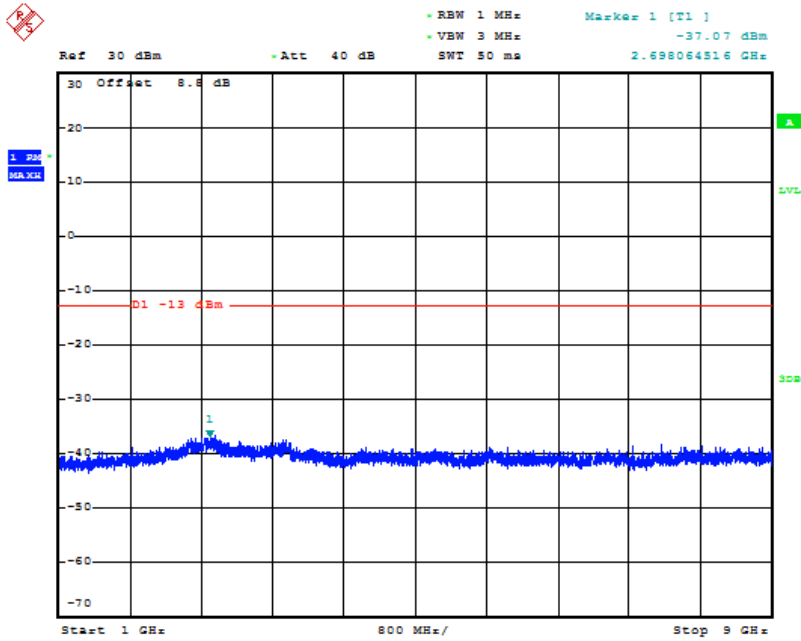
Date: 18.AUG.2017 09:04:51

Out of band measurement
Test Band = WCDMA850
Test Mode = UMTS/TM3
Test Channel = HCH

Date: 18.AUG.2017 09:05:10

Date: 18.AUG.2017 09:05:18

Date: 18.AUG.2017 09:05:27
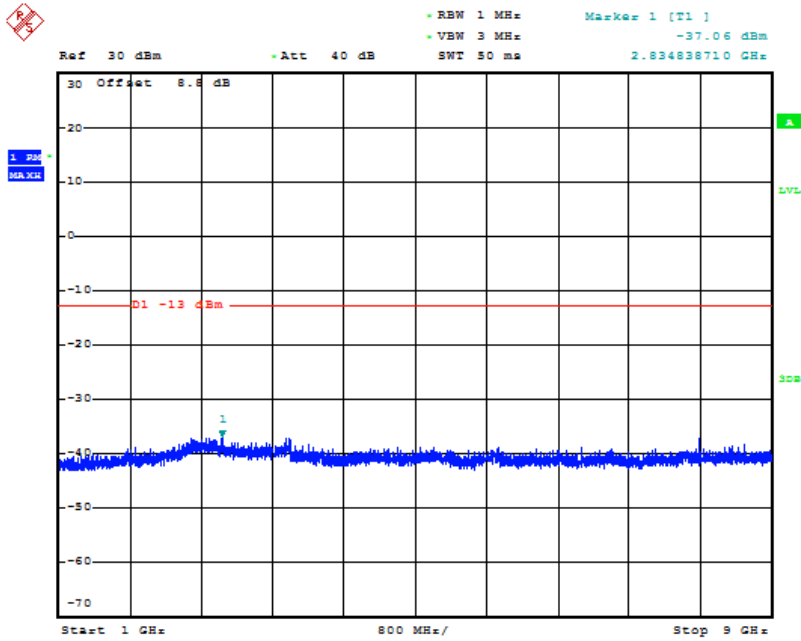
Date: 18.AUG.2017 09:05:35

Test Band=WCDMA1700
Test Mode=UMTS/TM3
Test Channel=LCH
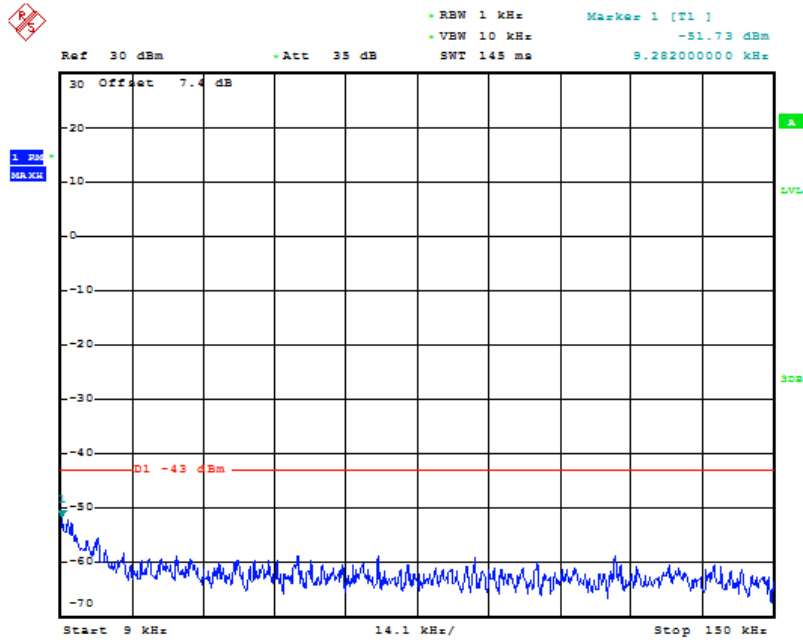
Date: 17.AUG.2017 11:11:54
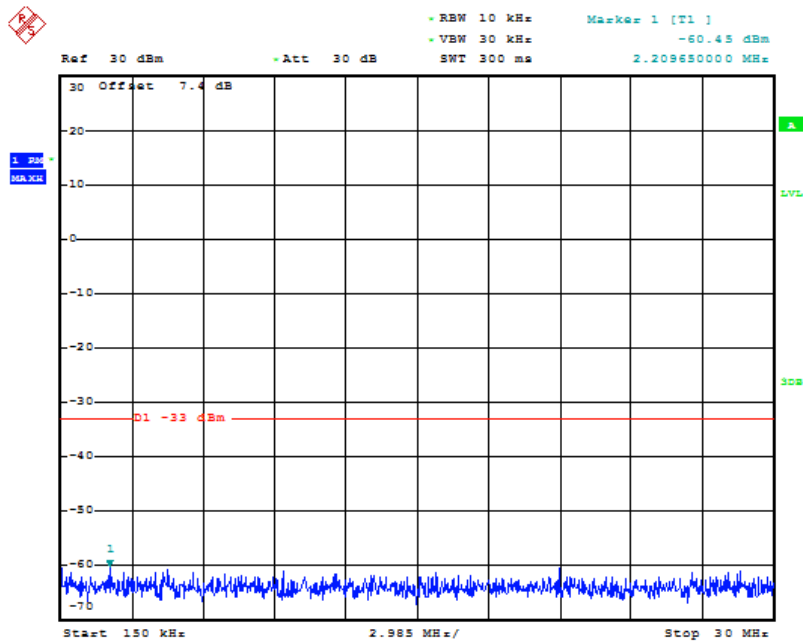
Date: 17.AUG.2017 11:12:01
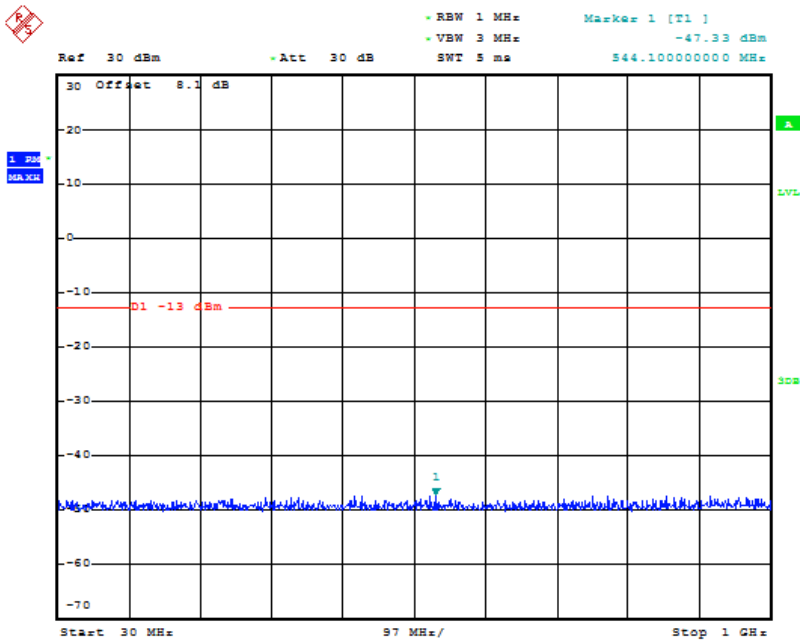
Date: 17.AUG.2017 11:12:09
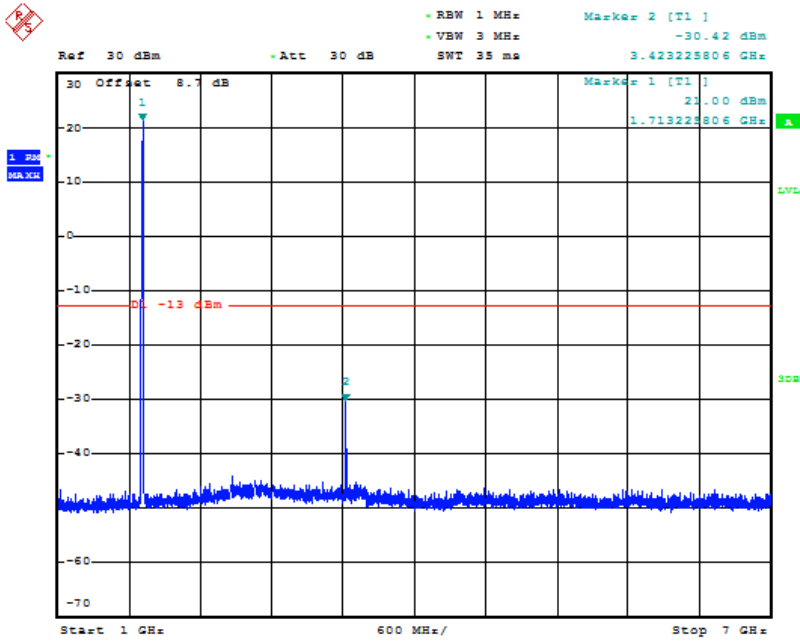
Date: 17.AUG.2017 11:12:19

Date: 17.AUG.2017 11:12:35

Test Band= WCDMA1700
Test Mode=UMTS/TM3
Test Channel=MCH
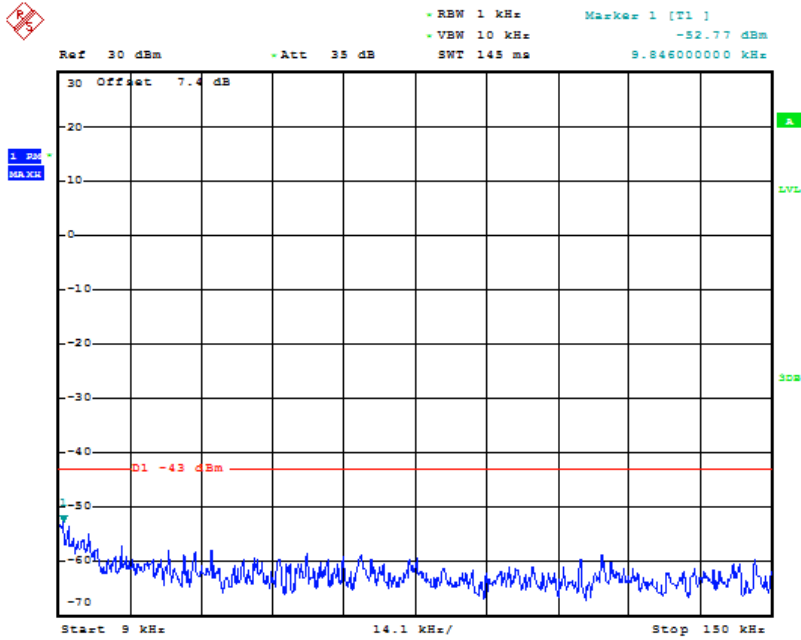
Date: 17.AUG.2017 11:12:53
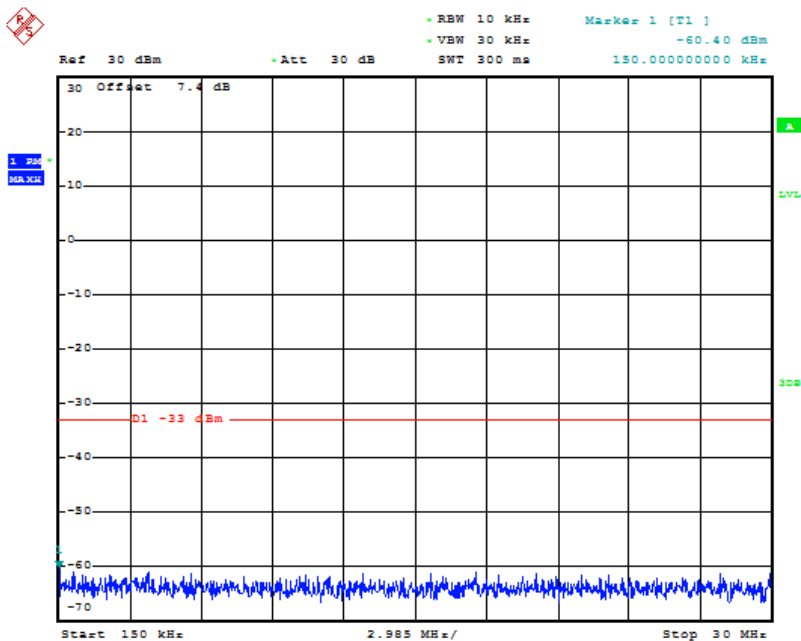
Date: 17.AUG.2017 11:13:01
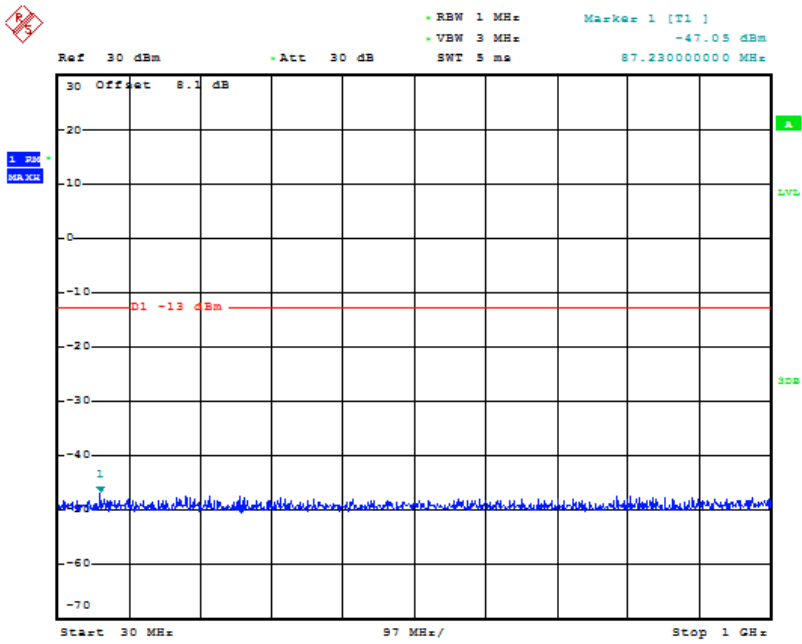
Date: 17.AUG.2017 11:13:09
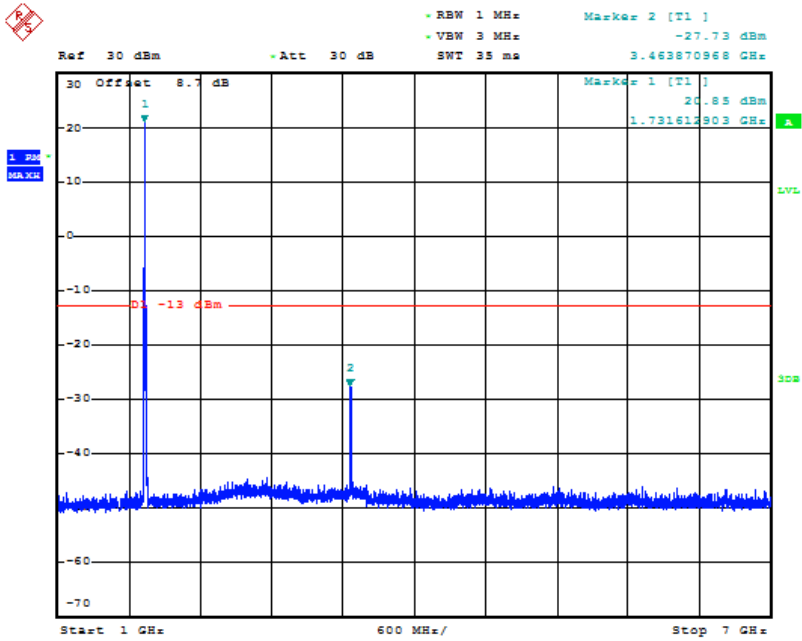
Date: 17.AUG.2017 11:13:19
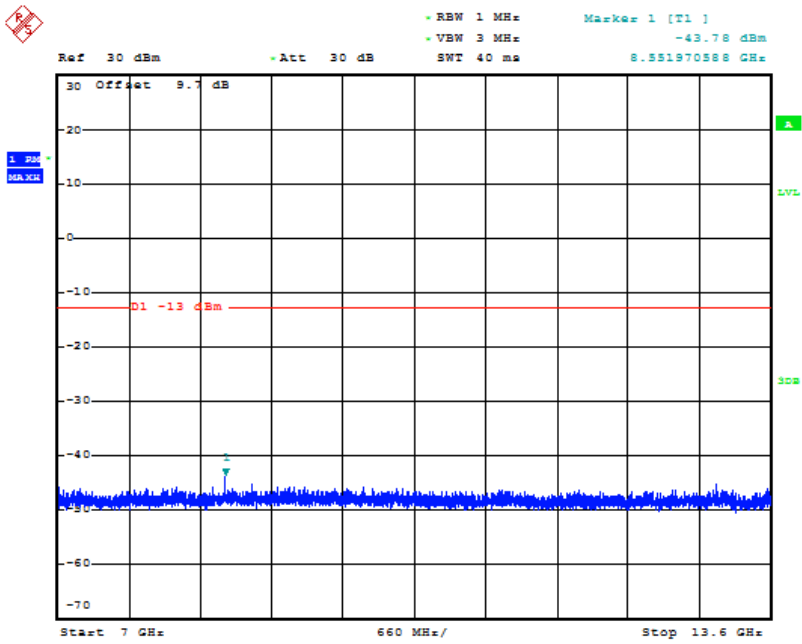
Date: 17.AUG.2017 11:13:27
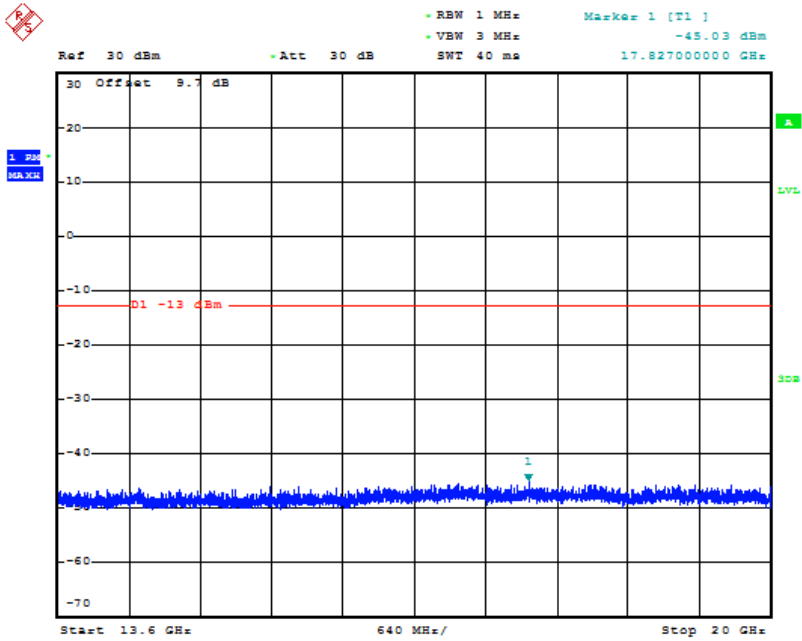
Date: 17.AUG.2017 11:13:35

Test Band= WCDMA1700
Test Mode=UMTS/TM3
Test Channel=HCH
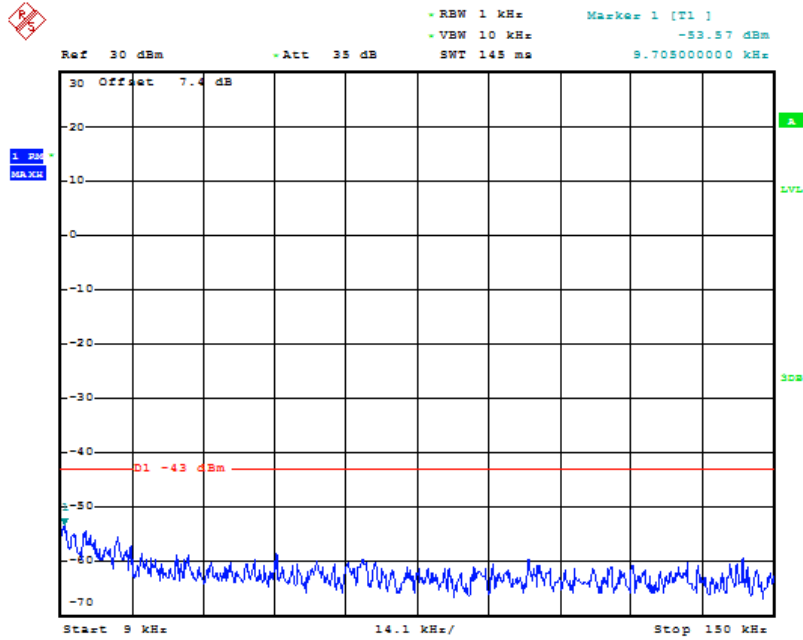
Date: 17.AUG.2017 11:13:53
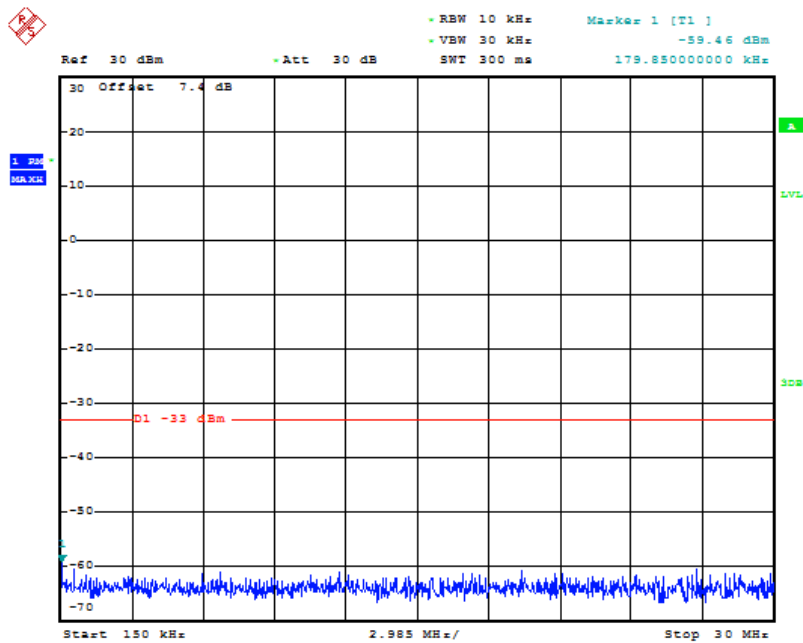
Date: 17.AUG.2017 11:14:01
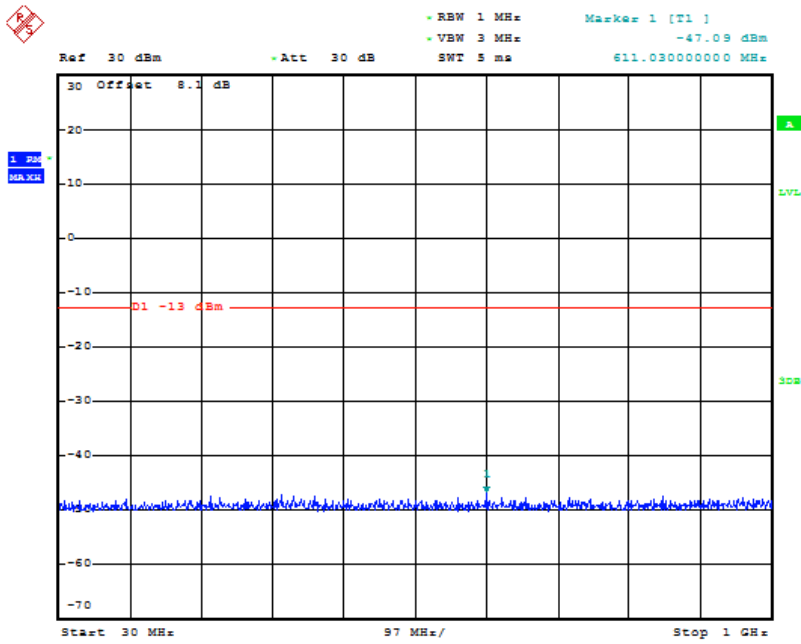
Date: 17.AUG.2017 11:14:09
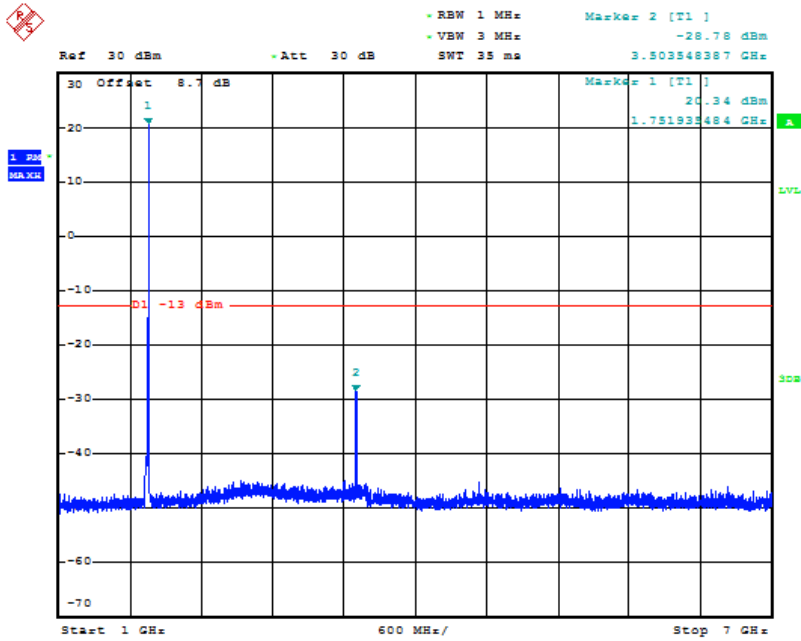
Date: 17.AUG.2017 11:14:19
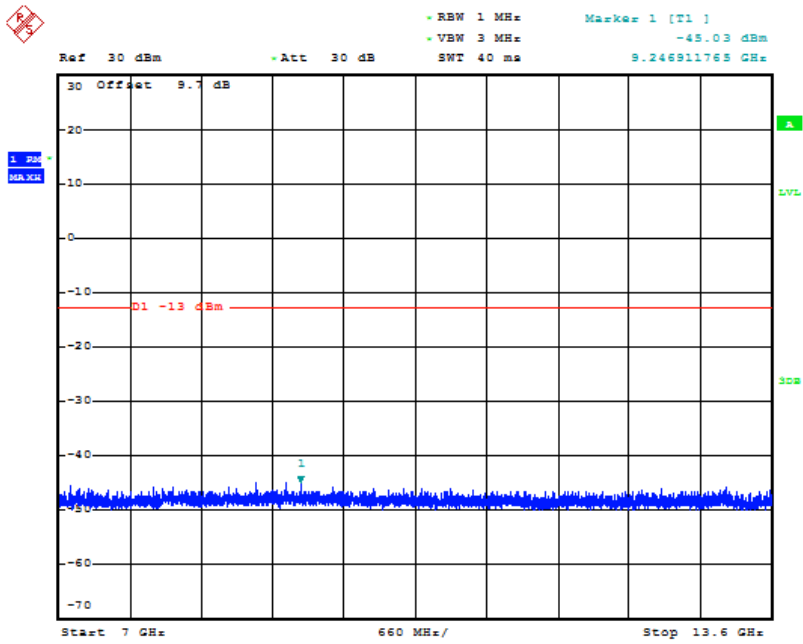
Date: 17.AUG.2017 11:14:27
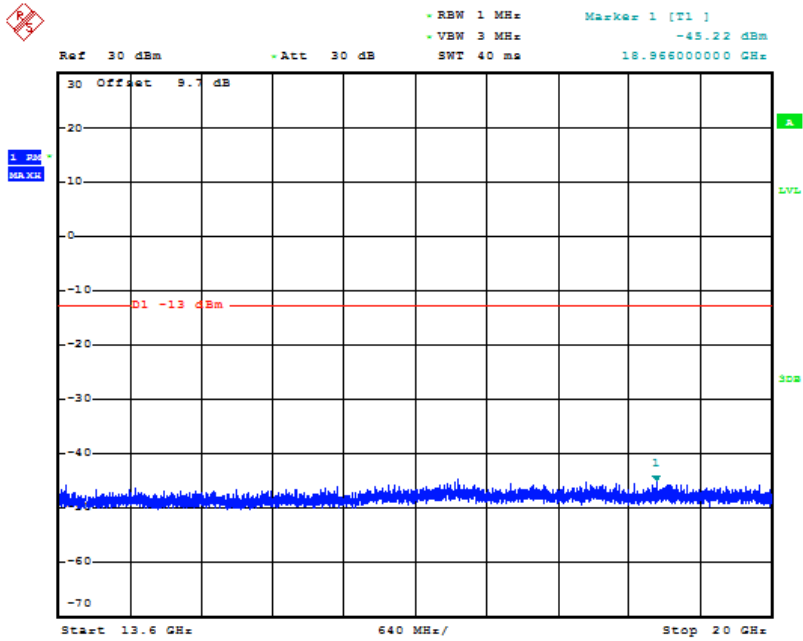
Date: 17.AUG.2017 11:14:35

Test Band=WCDMA1900
Test Mode=UMTS/TM3
Test Channel=LCH
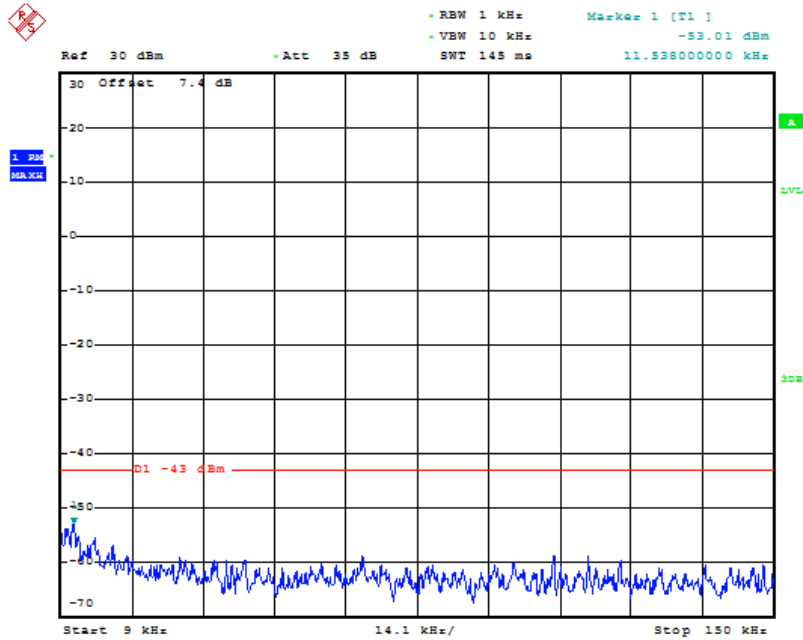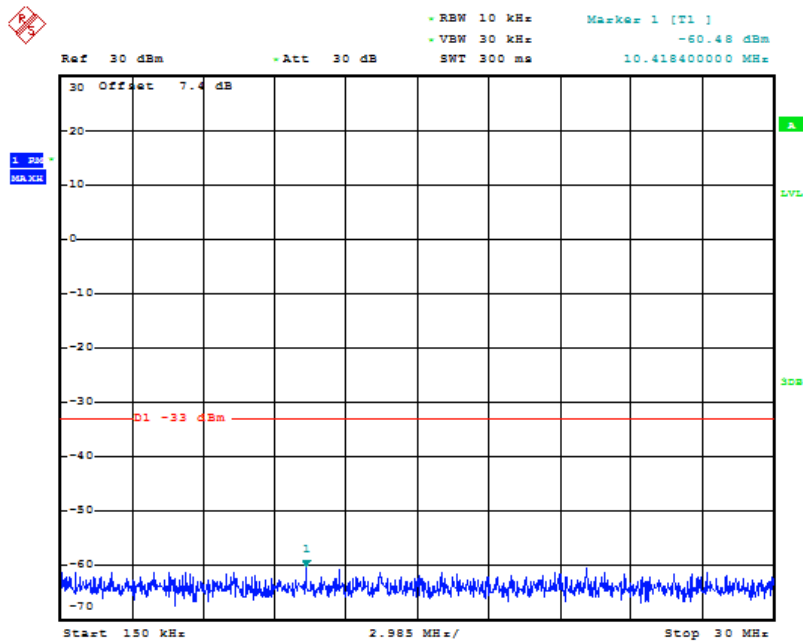
Date: 17.AUG.2017 09:20:28
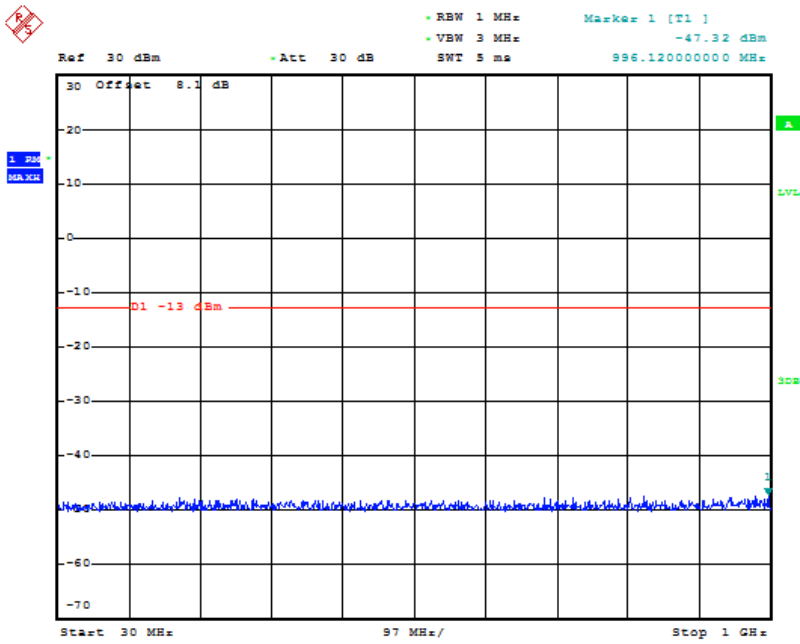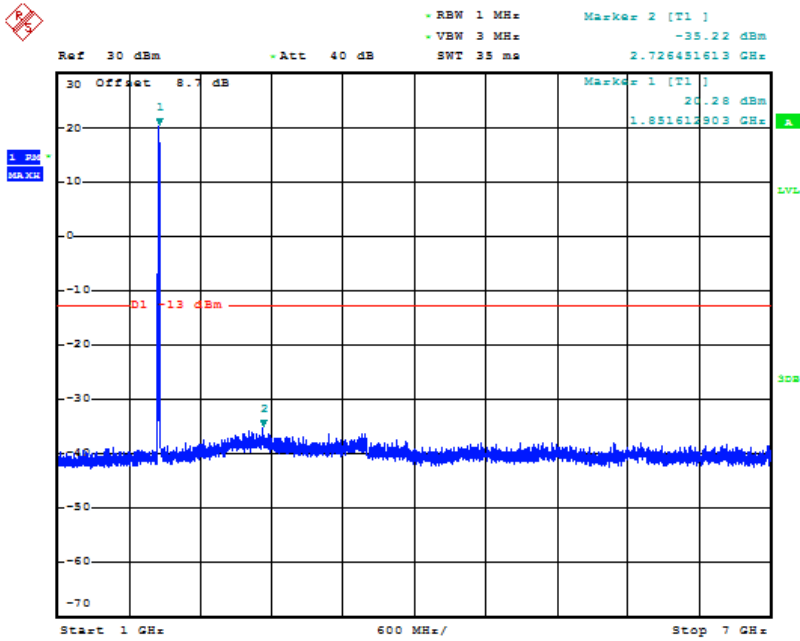
Date: 17.AUG.2017 09:20:37
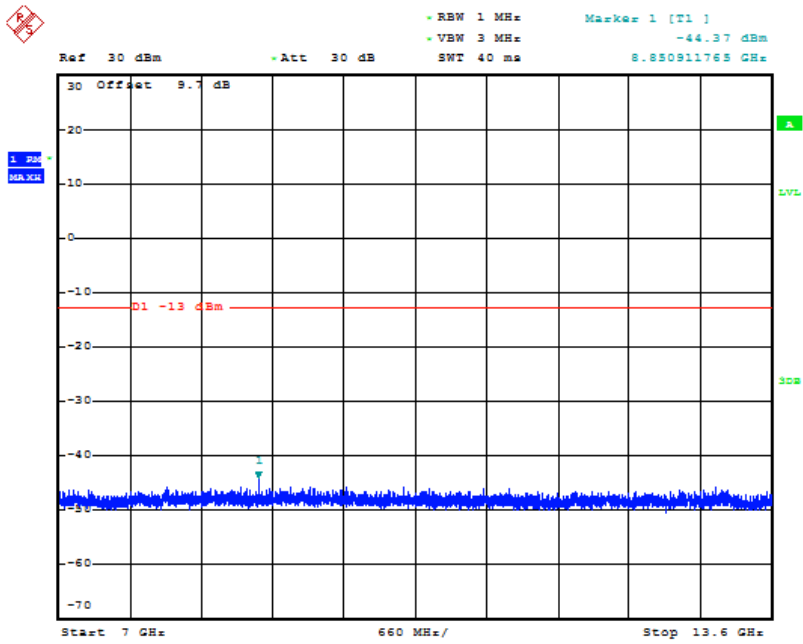
Date: 17.AUG.2017 09:20:45
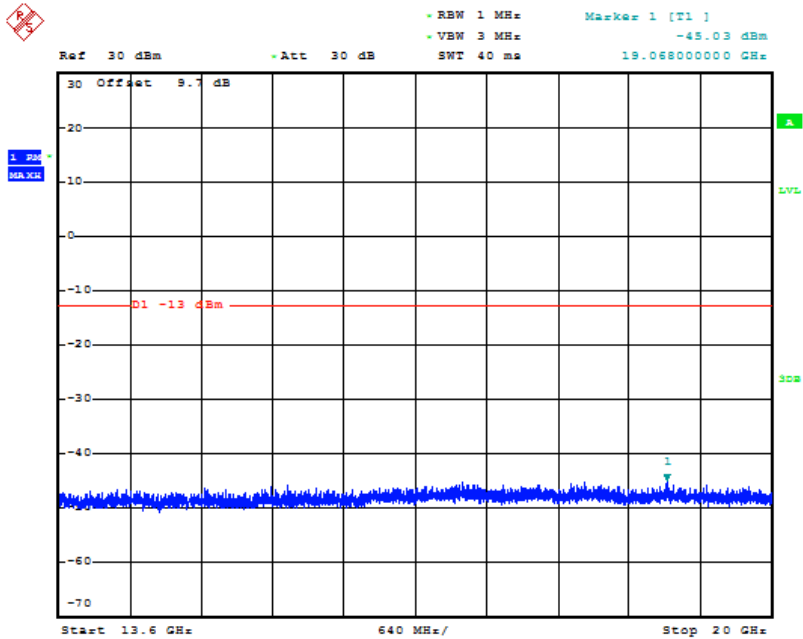
Date: 17.AUG.2017 09:20:53

Test Band=WCDMA1900
Test Mode=UMTS/TM3
Test Channel=MCH
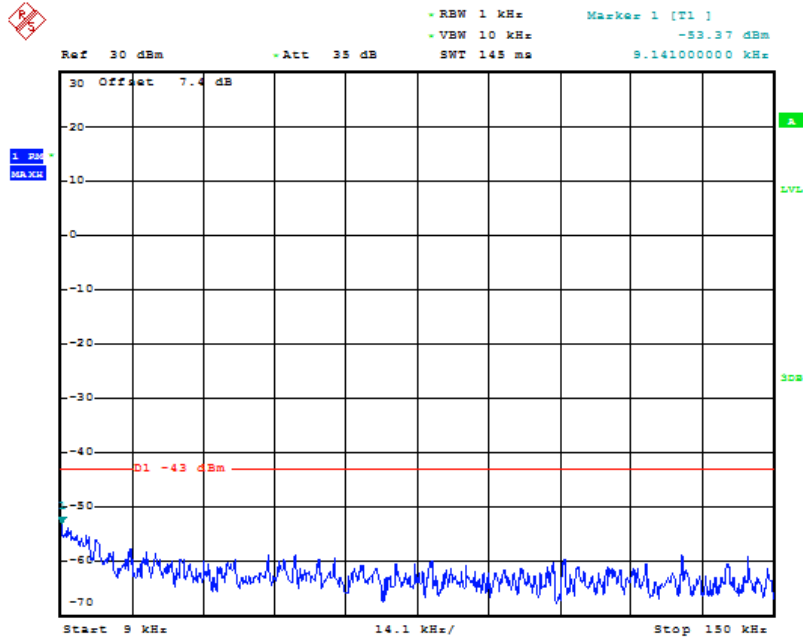
Date: 17.AUG.2017 09:21:11
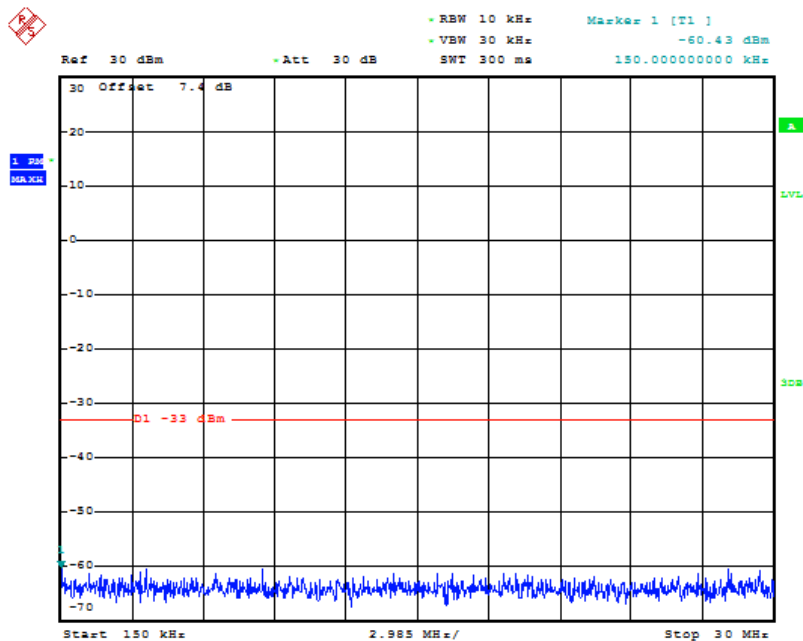
Date: 17.AUG.2017 09:21:19
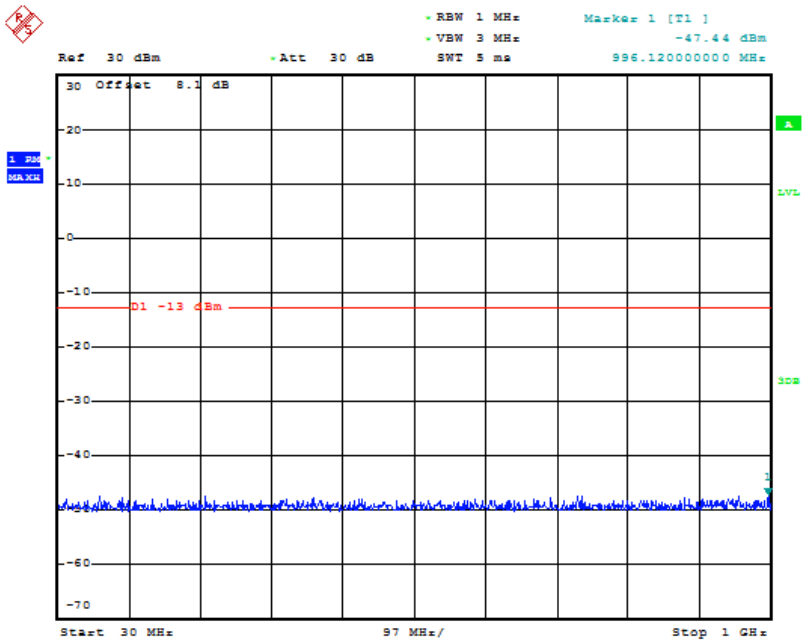
Date: 17.AUG.2017 09:21:27
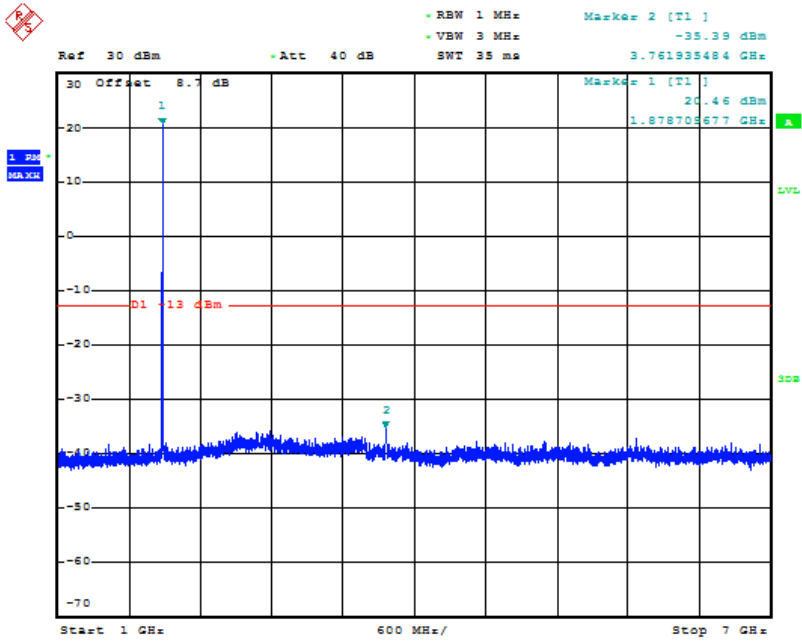
Date: 17.AUG.2017 09:21:37
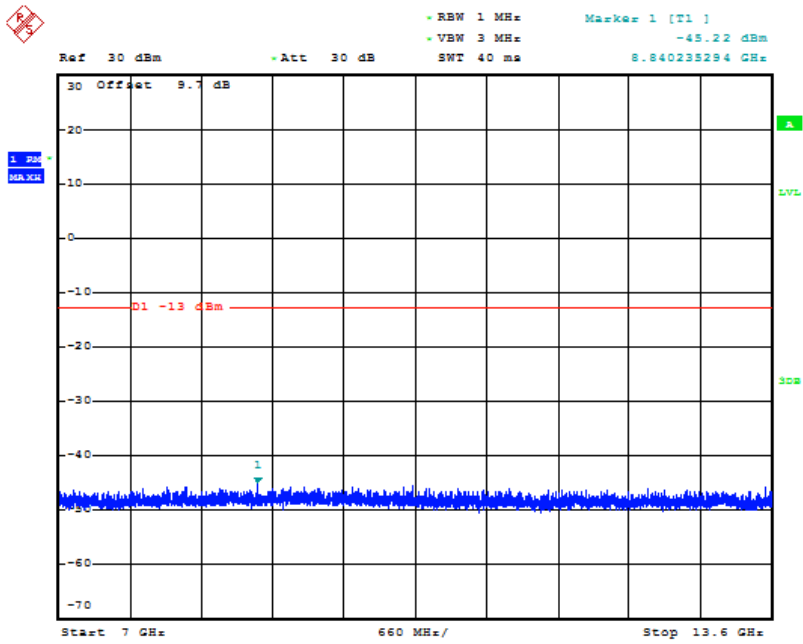
Date: 17.AUG.2017 09:21:45
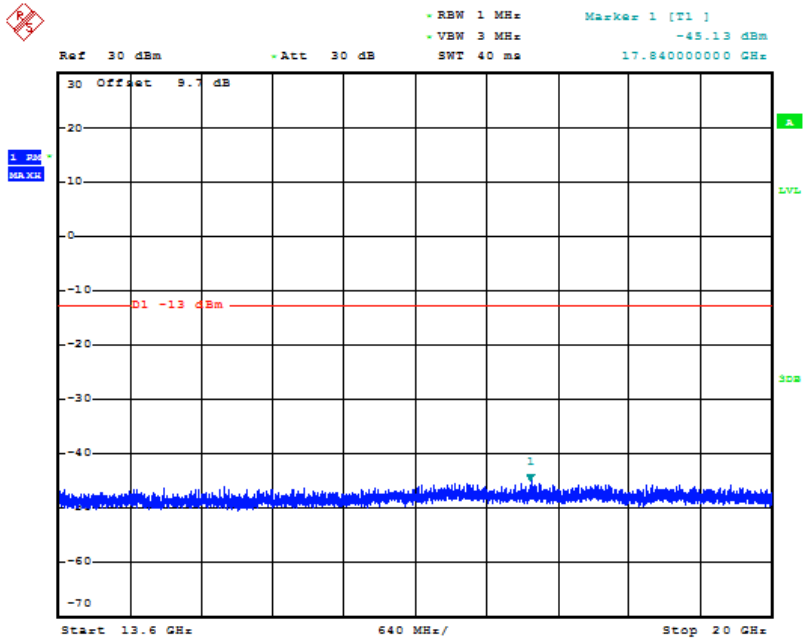
Date: 17.AUG.2017 09:21:53

Test Band=WCDMA1900
Test Mode=UMTS/TM3
Test Channel=HCH
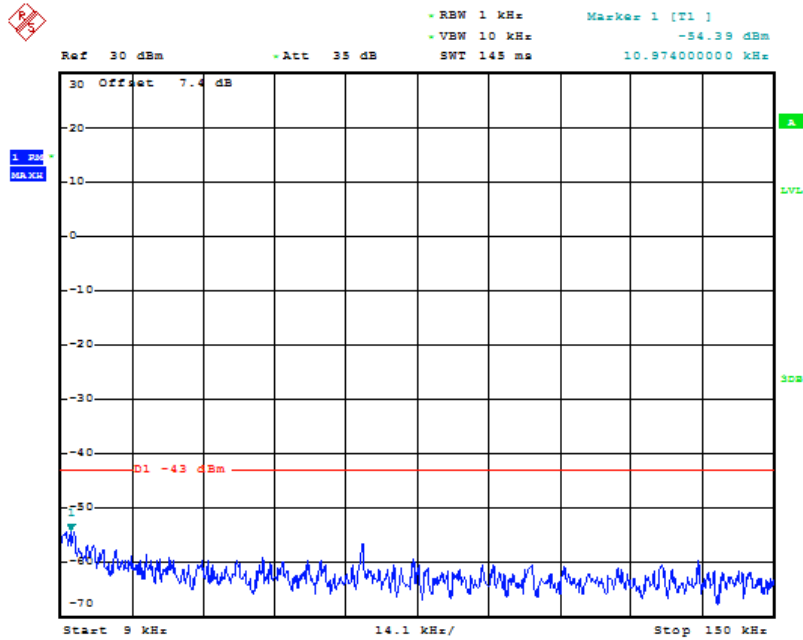
Date: 17.AUG.2017 09:22:11
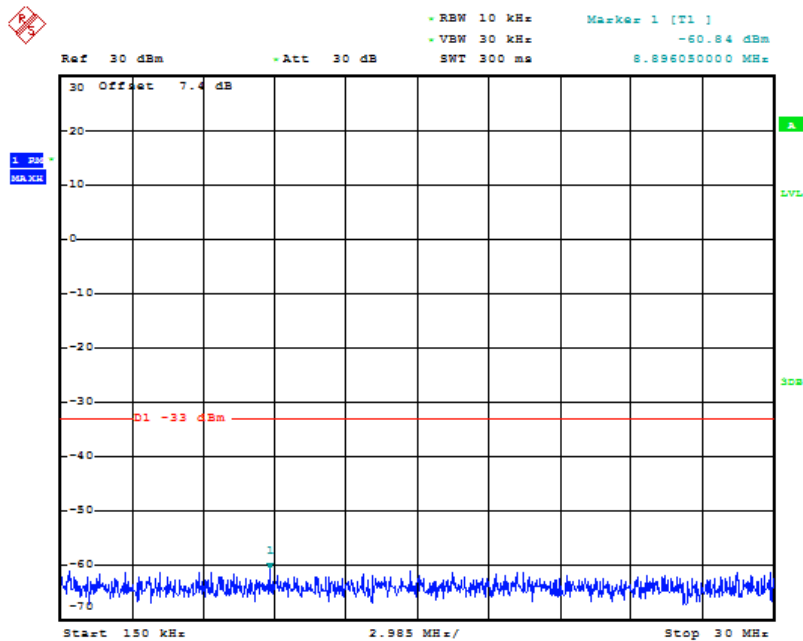
Date: 17.AUG.2017 09:22:19
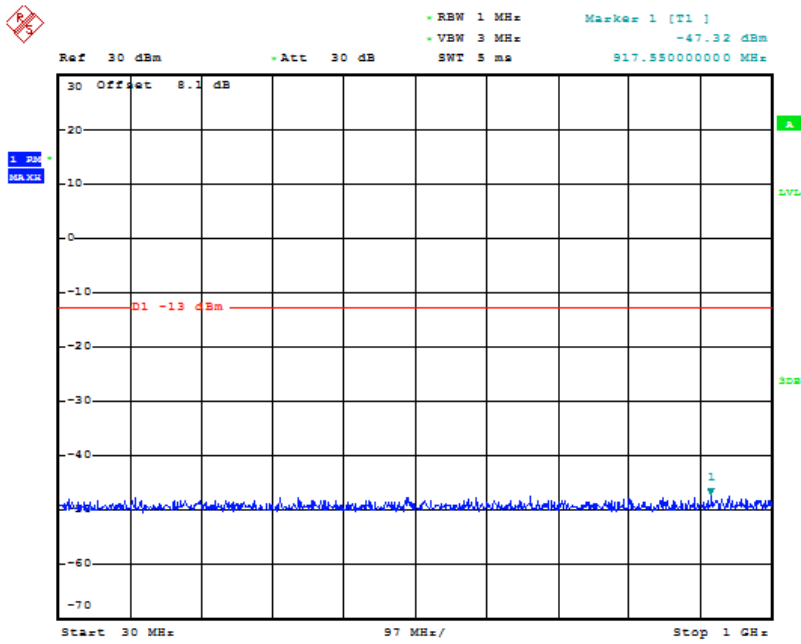
Date: 17.AUG.2017 09:22:27
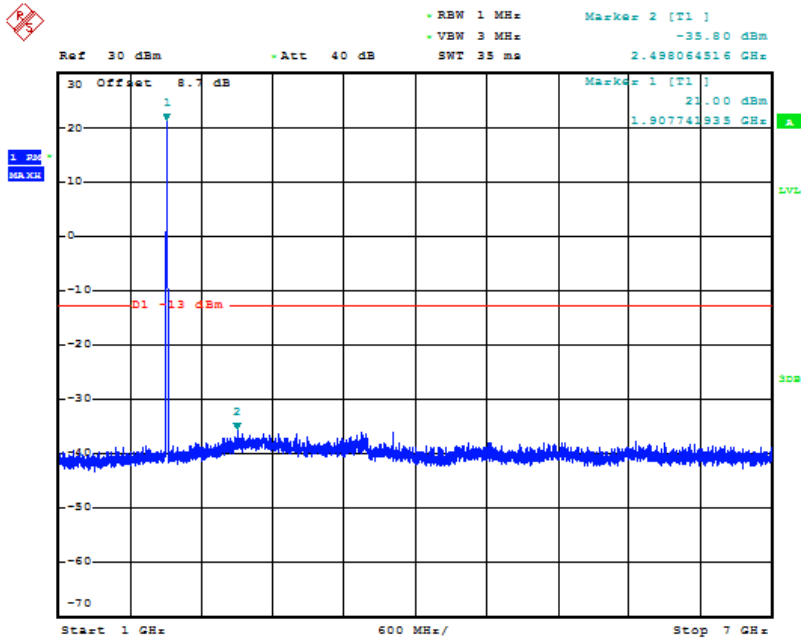
Date: 17.AUG.2017 09:22:36
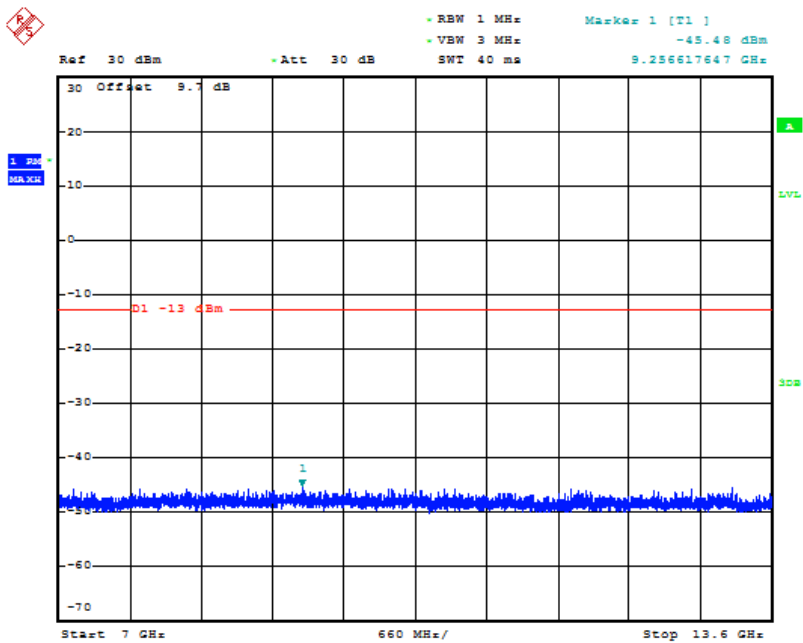
Date: 17.AUG.2017 09:22:44
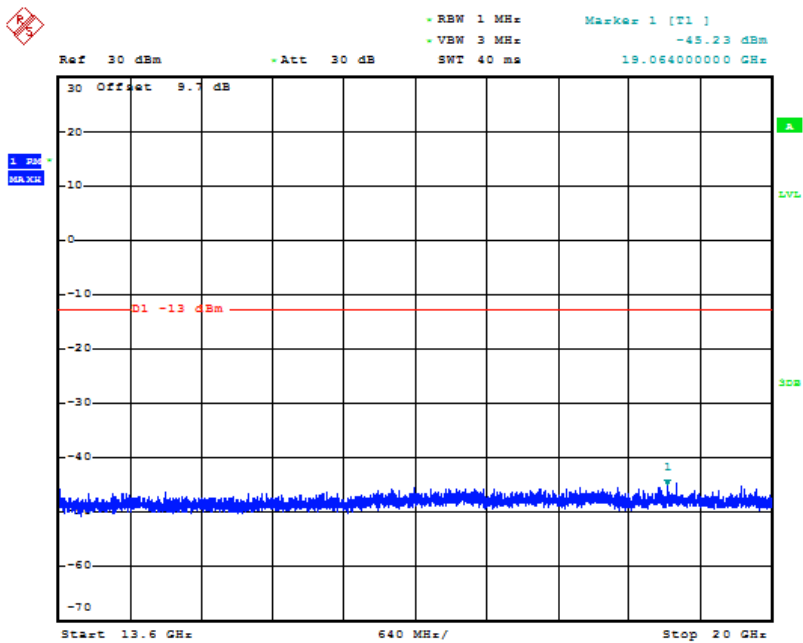
Date: 17.AUG.2017 09:22:52

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=1.4MHz
Test Channel=LCH

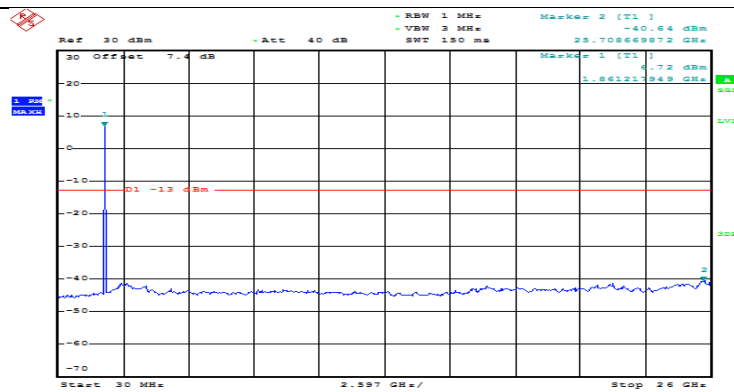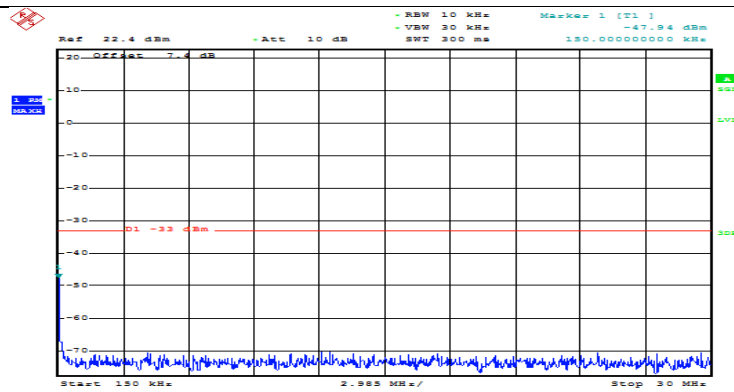| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0 |
|---|
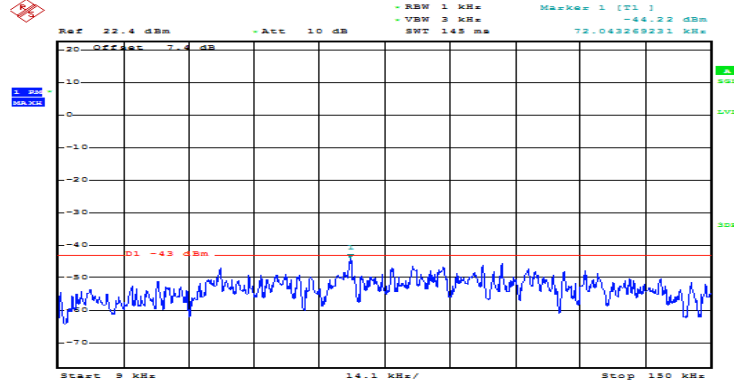
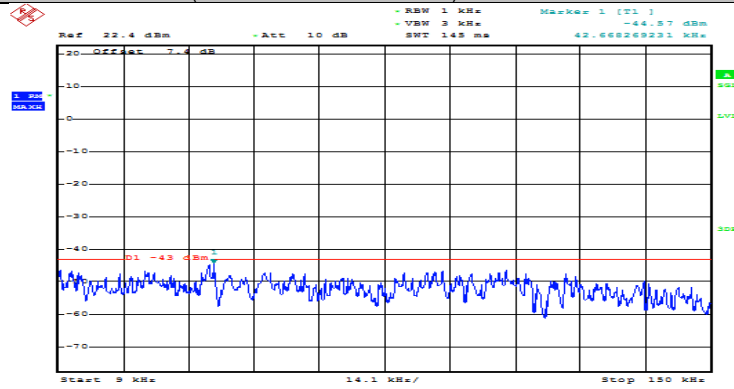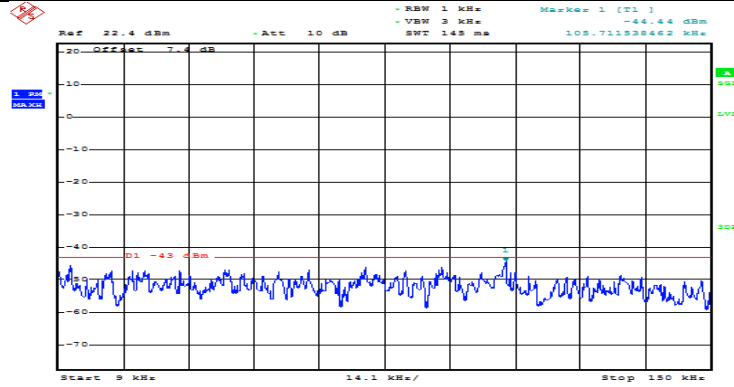Date: 17.AUG.2017 15:44:07
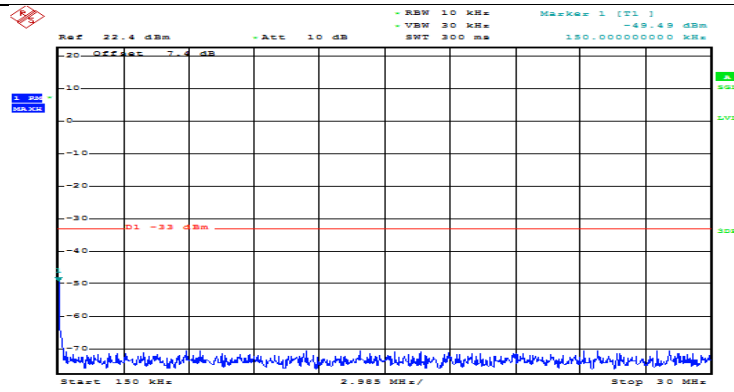
Date: 17.AUG.2017 15:44:13
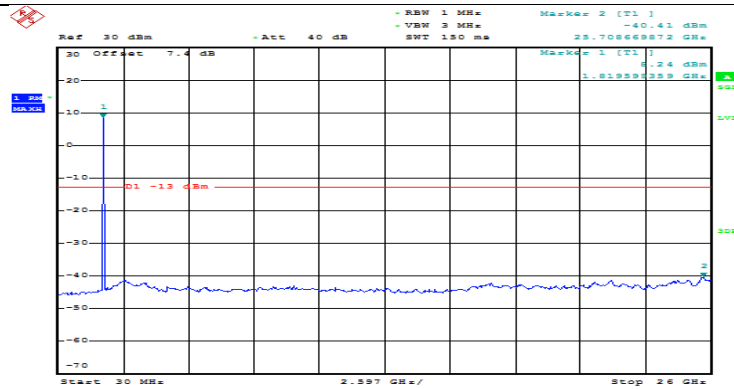
Date: 17.AUG.2017 15:44:19

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=1.4MHz
Test Channel=MCH

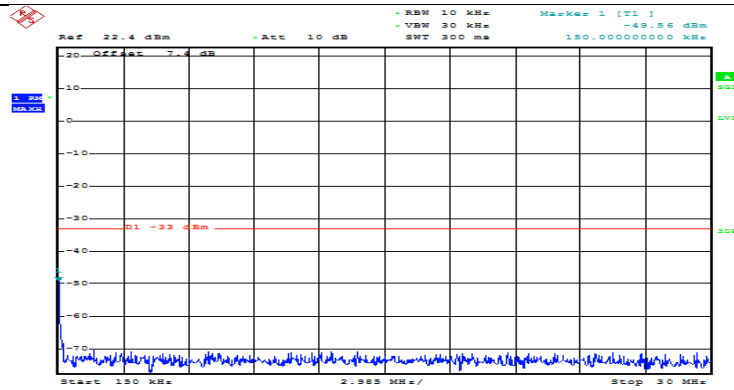| (Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0 |
|---|
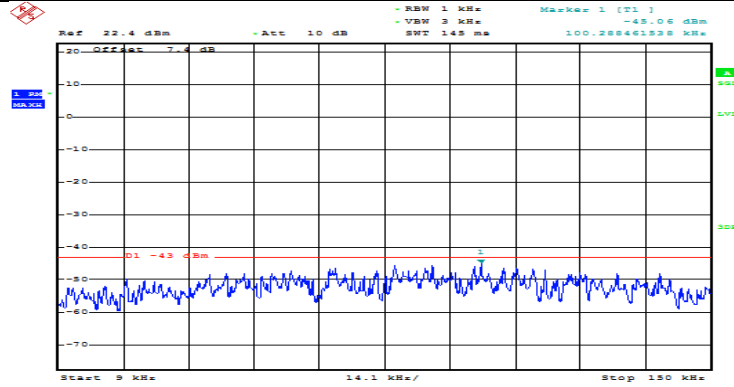
Date: 17.AUG.2017 15:45:49
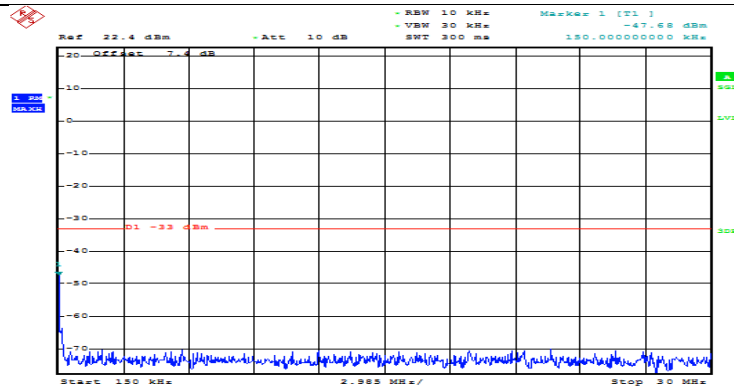
Date: 17.AUG.2017 15:45:55
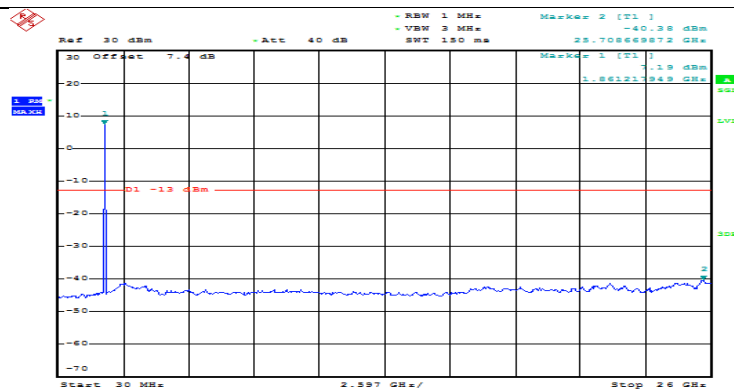
Date: 17.AUG.2017 15:46:00

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=1.4MHz
Test Channel=HCH

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0
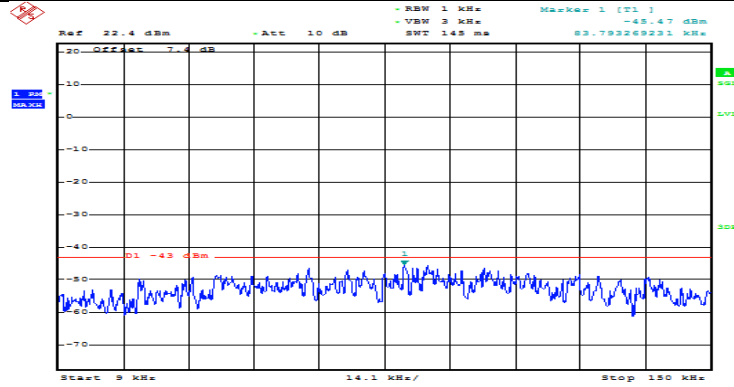
Date: 17.AUG.2017 15:47:31
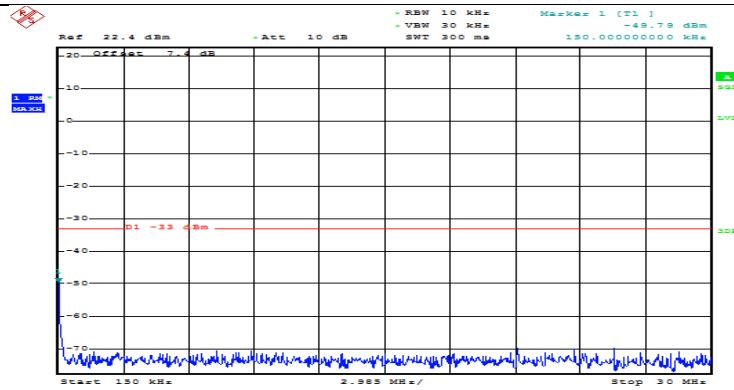
Date: 17.AUG.2017 15:47:37
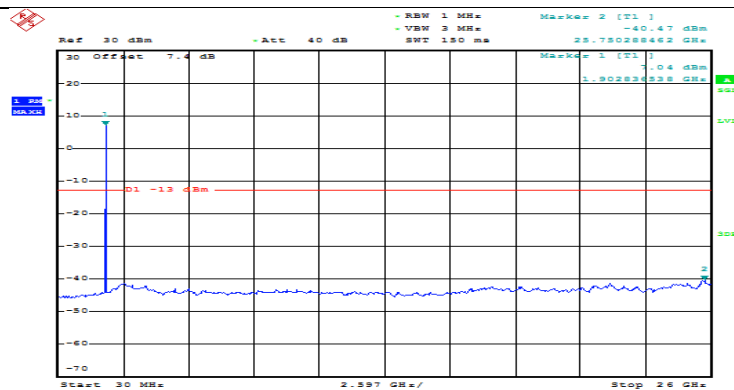
Date: 17.AUG.2017 15:47:42

Test Band=LTE Band 2
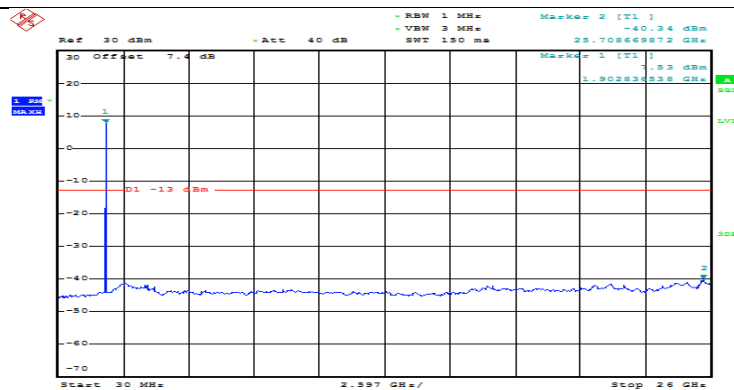Test Mode=16QAM/TM5
Chanel Bandwidth=1.4MHz
Test Channel=LCH

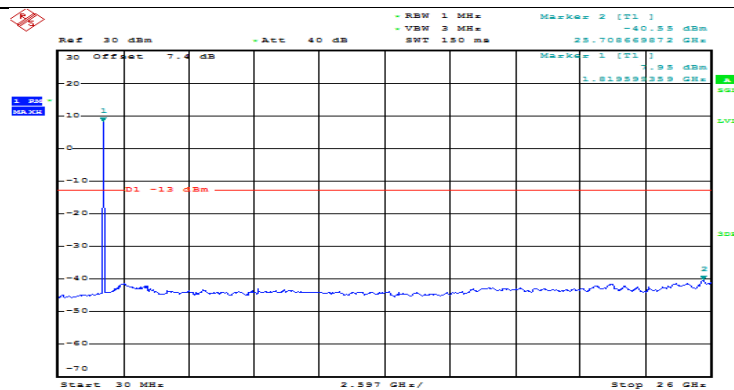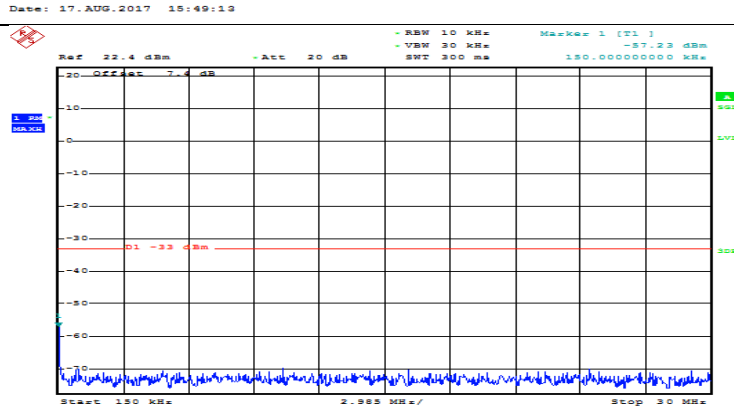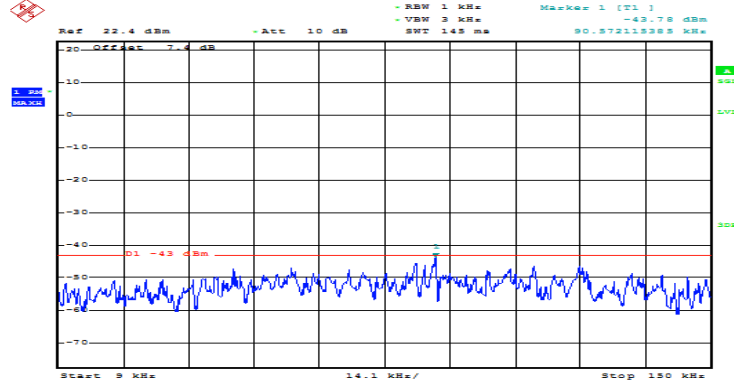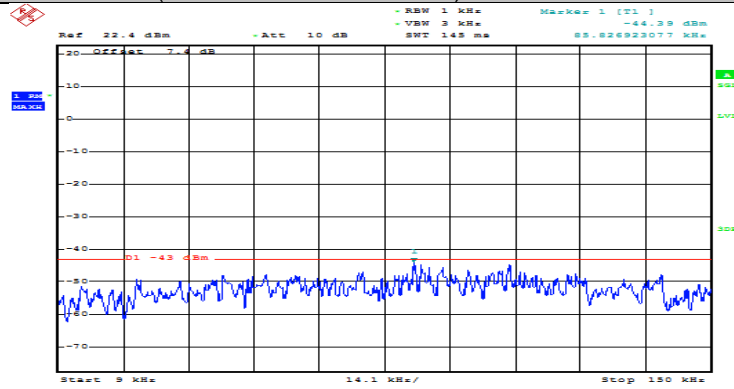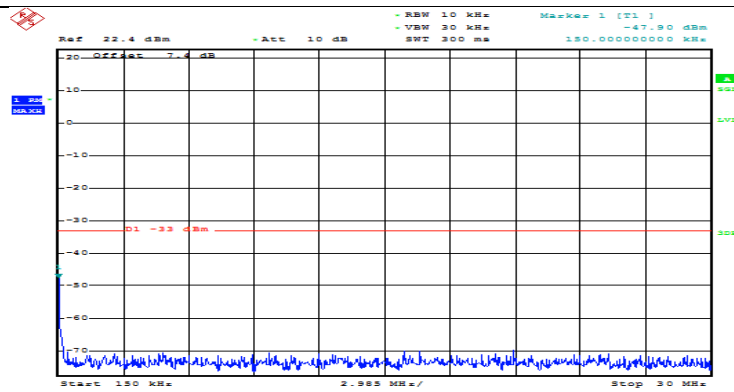(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0
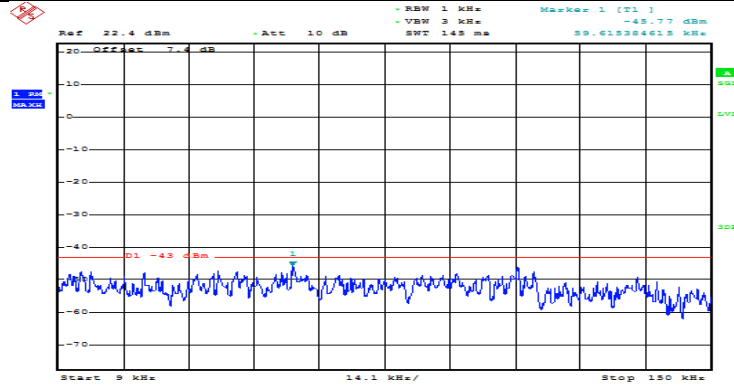
Date: 17.AUG.2017 15:44:58
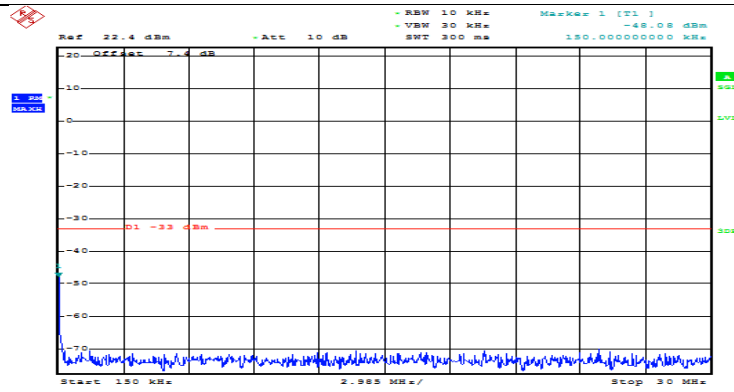
Date: 17.AUG.2017 15:45:04
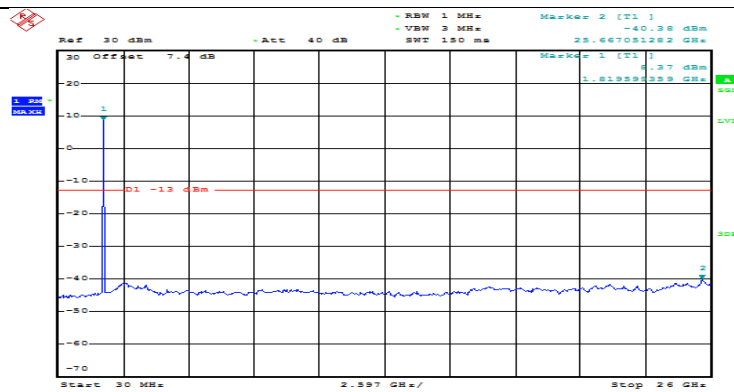
Date: 17.AUG.2017 15:45:09

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3
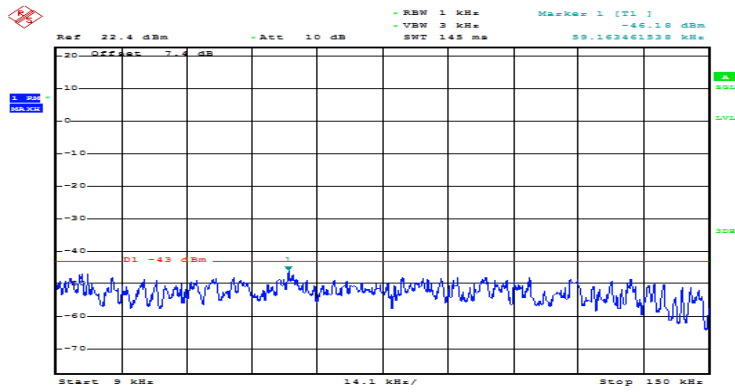
Date: 17.AUG.2017 15:45:14
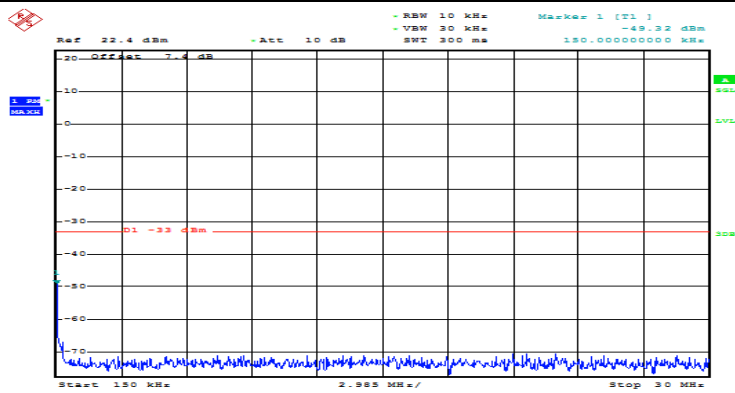
Date: 17.AUG.2017 15:45:20
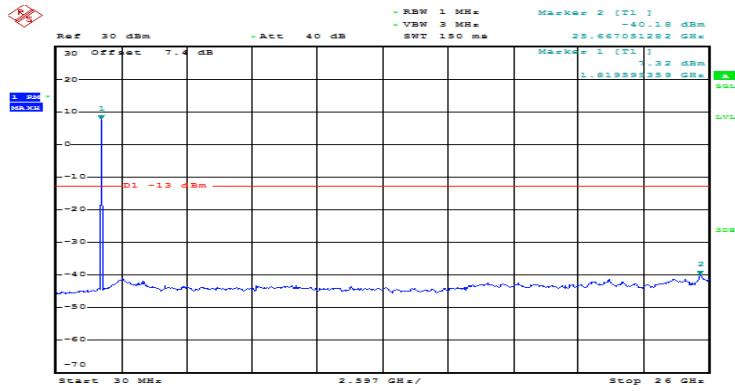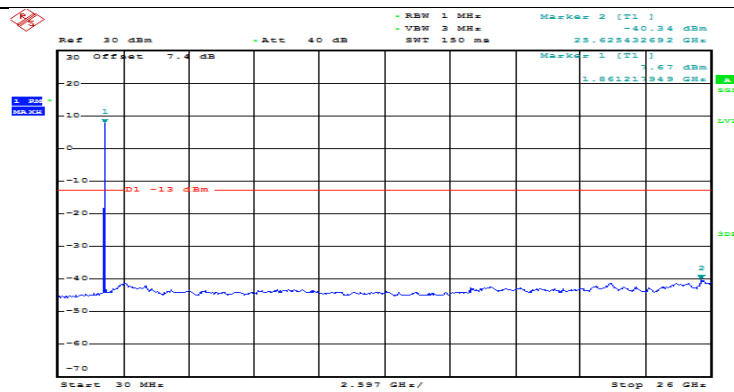

Date: 17.AUG.2017 15:45:25

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5
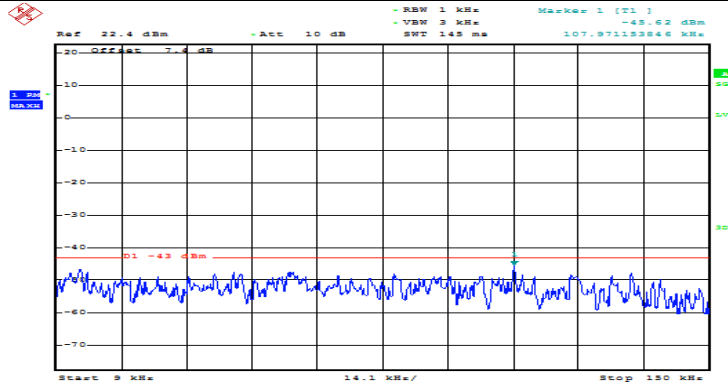
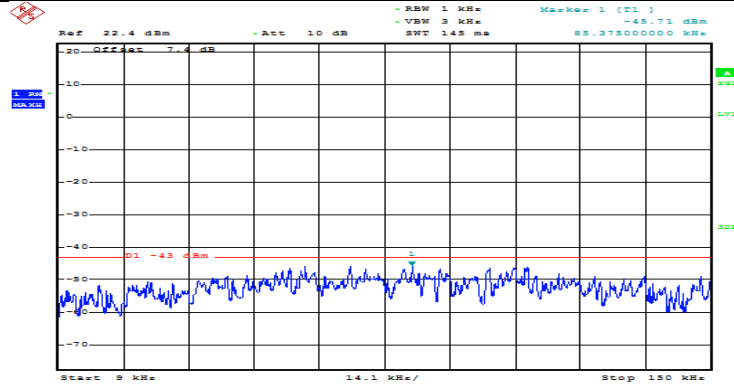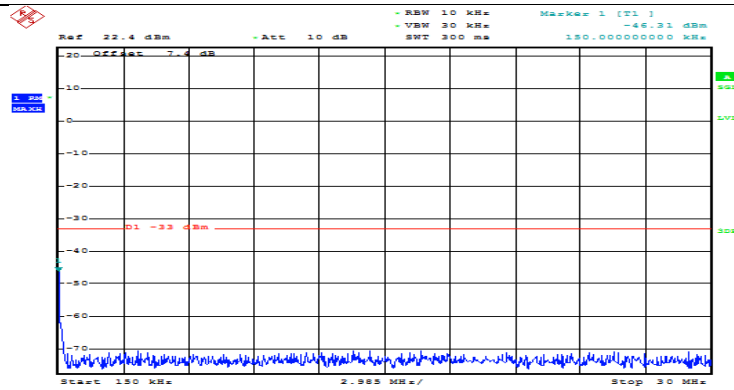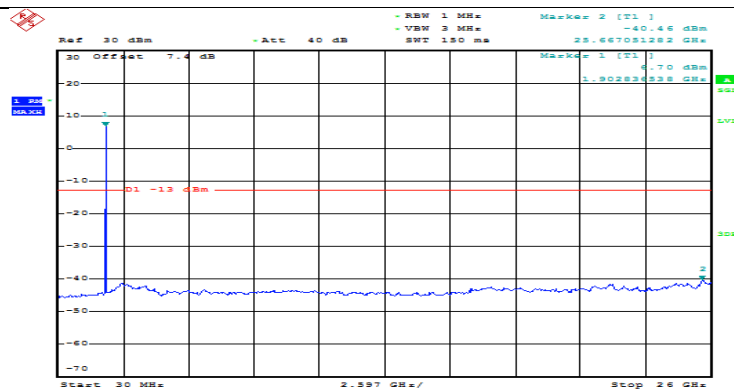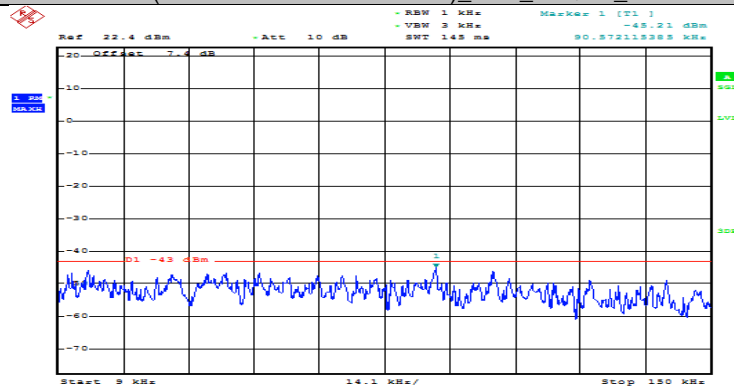Date: 17.AUG.2017 15:45:30
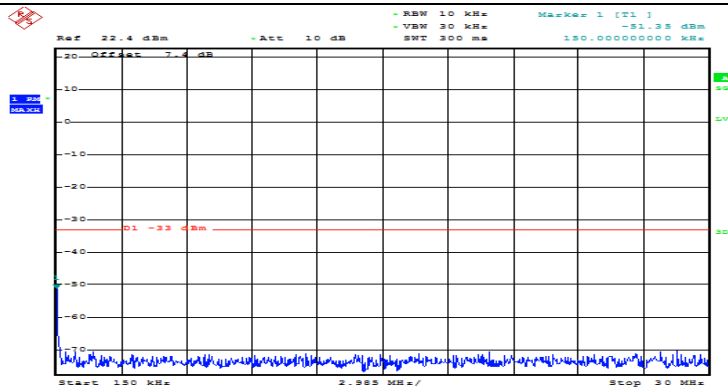
Date: 17.AUG.2017 15:45:36
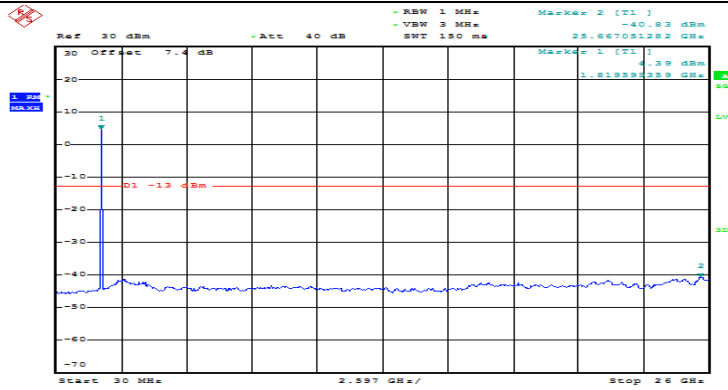
Date: 17.AUG.2017 15:45:41

Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=1.4MHz
Test Channel=MCH

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

Date: 17.AUG.2017 15:46:40

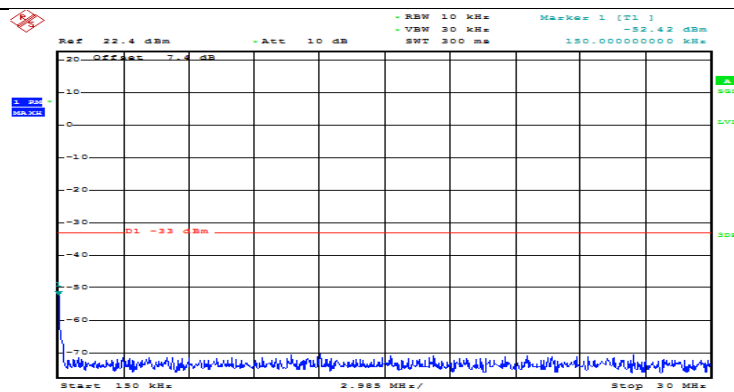
Date: 17.AUG.2017 15:46:46

Date: 17.AUG.2017 15:46:51

Test Band=LTE Band 2
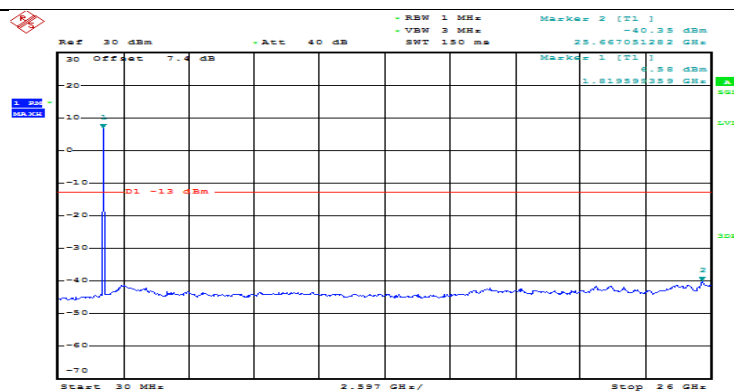Test Mode=16QAM/TM5
Chanel Bandwidth=1.4MHz
Test Channel=HCH

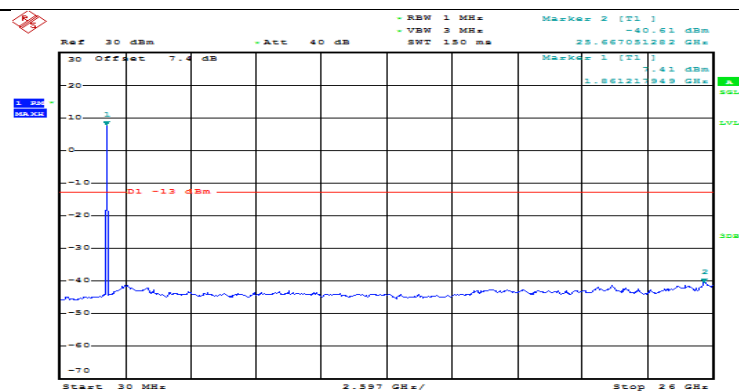| (Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0 |
| --- |

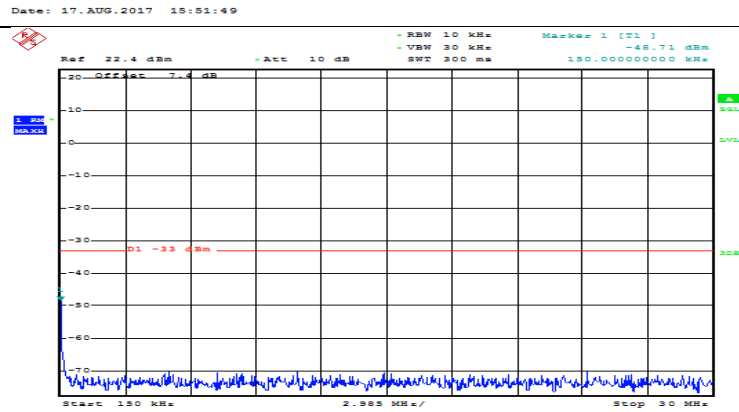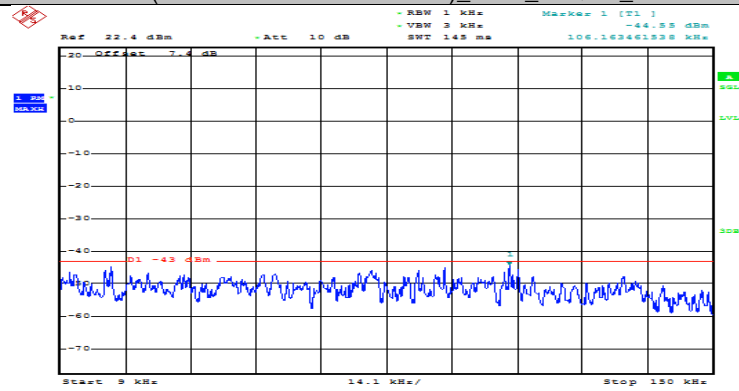

Date: 17.AUG.2017 15:48:22

Date: 17.AUG.2017 15:48:28

Date: 17.AUG.2017 15:48:33

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=3MHz
Test Channel=LCH

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

Date: 17.AUG.2017 15:49:13

Date: 17.AUG.2017 15:49:22

Date: 17.AUG.2017 15:49:27

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=3MHz
Test Channel=MCH

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

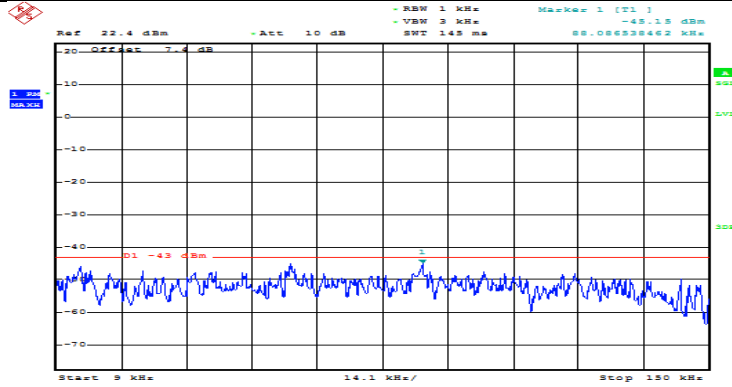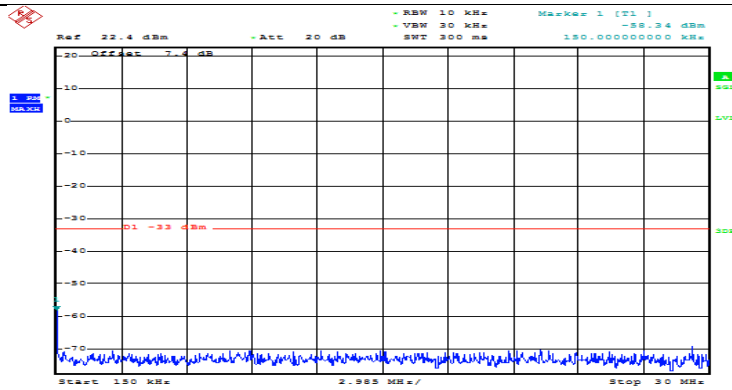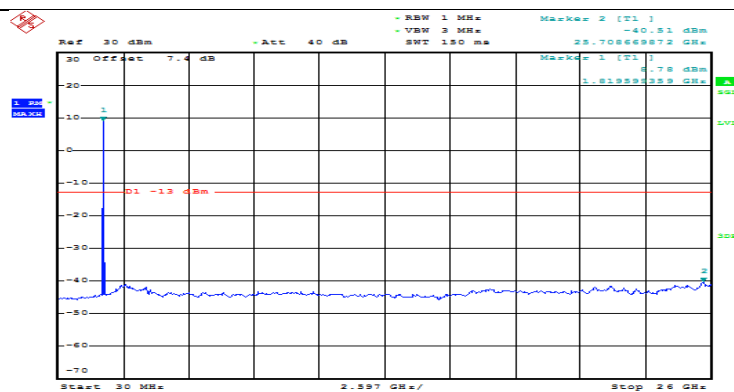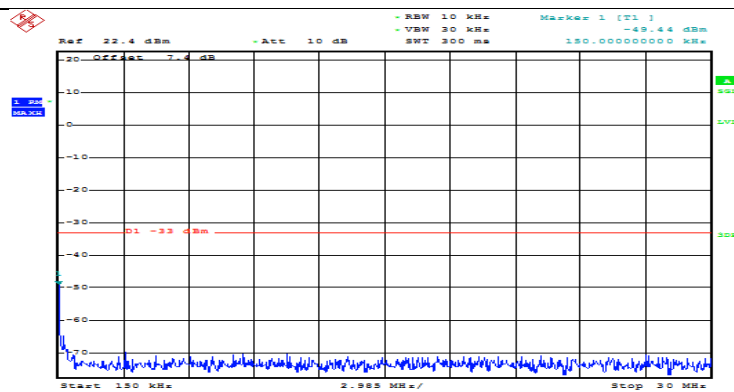Date: 17.AUG.2017 15:50:58

Date: 17.AUG.2017 15:51:04

Date: 17.AUG.2017 15:51:09

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=3MHz
Test Channel=HCH

(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

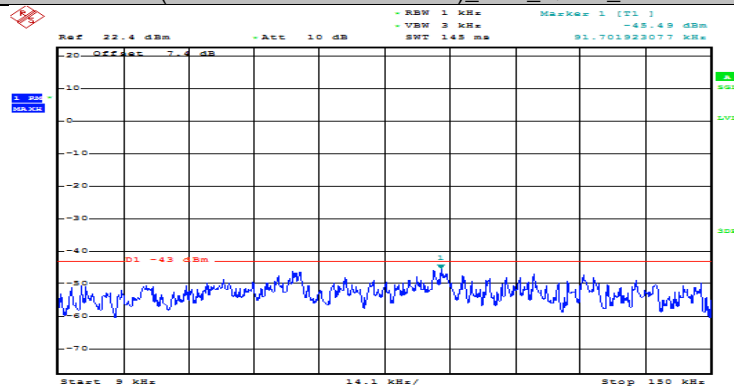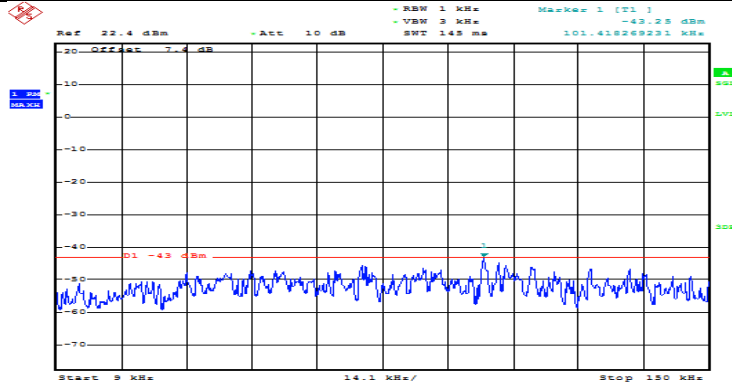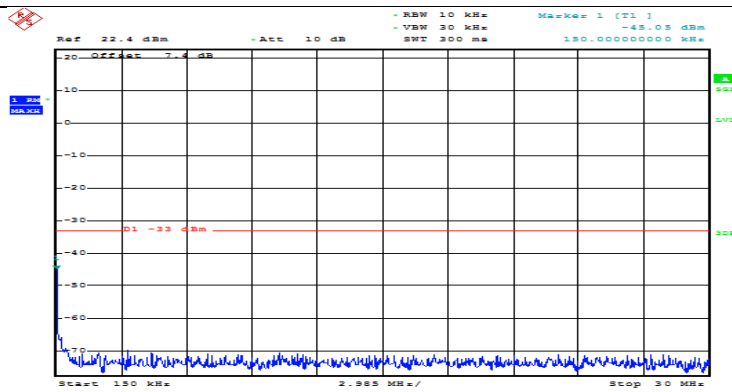Date: 17.AUG.2017 15:52:40

Date: 17.AUG.2017 15:52:46

Date: 17.AUG.2017 15:52:51

Test Band=LTE Band 2
Test Mode=16QAM/TM5
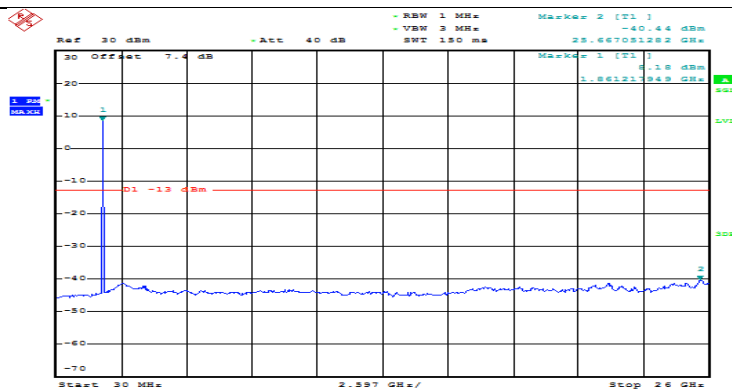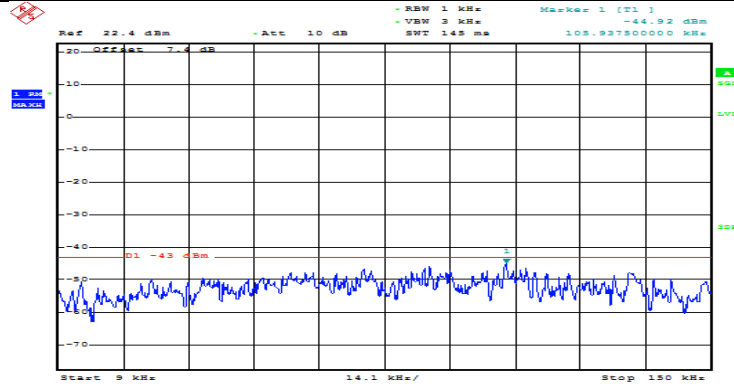Chanel Bandwidth=3MHz
Test Channel=LCH

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

Date: 17.AUG.2017 15:50:07

Date: 17.AUG.2017 15:50:13

Date: 17.AUG.2017 15:50:18

Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=3MHz
Test Channel=MCH

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

Date: 17.AUG.2017 15:51:49

Date: 17.AUG.2017 15:51:55

Date: 17.AUG.2017 15:52:00

Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=3MHz
Test Channel=HCH

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

Date: 17.AUG.2017 15:53:31
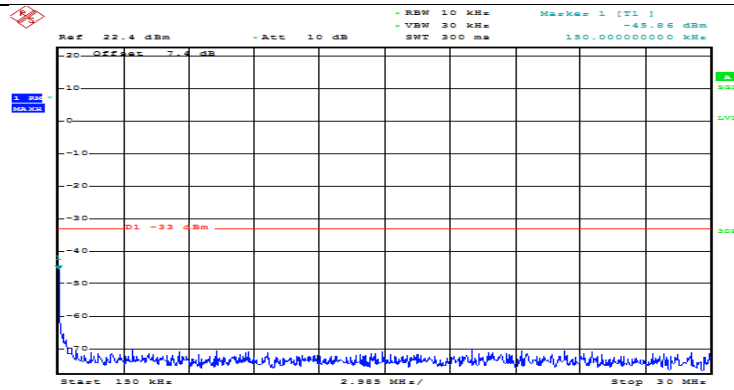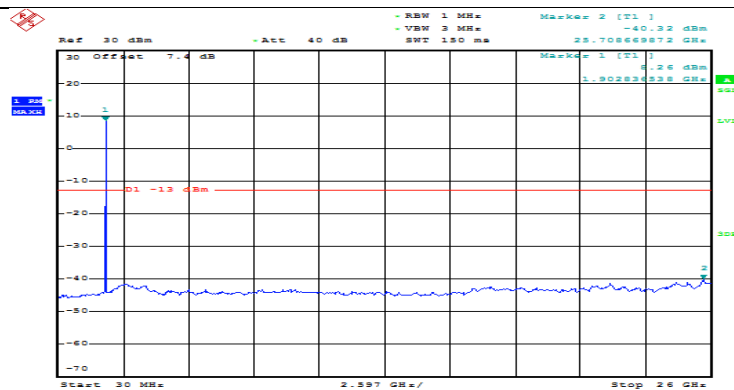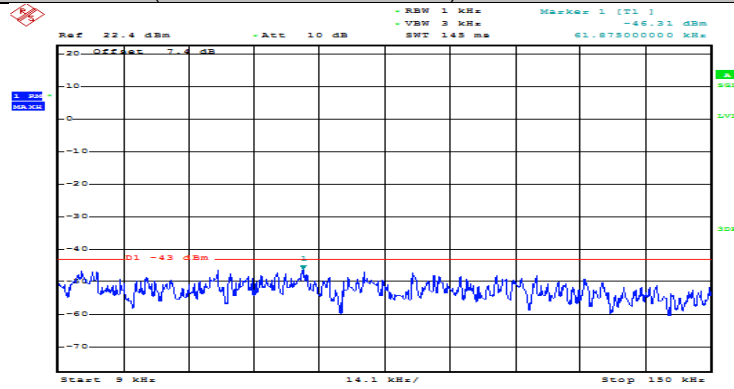

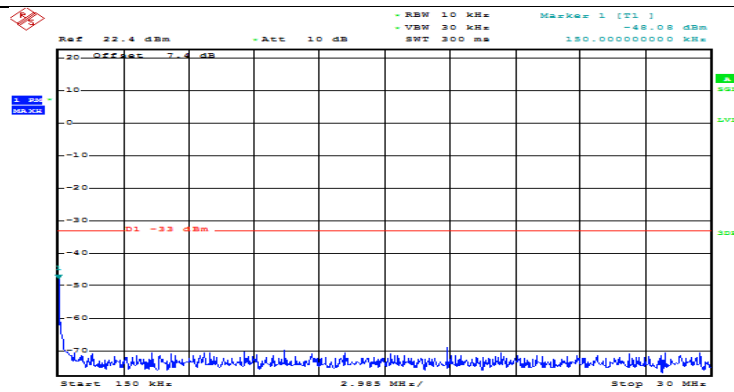Date: 17.AUG.2017 15:53:40
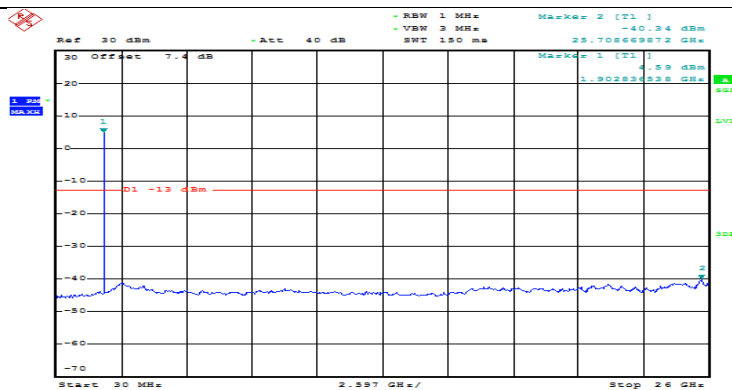
Date: 17.AUG.2017 15:53:45

Test Band=LTE Band 2
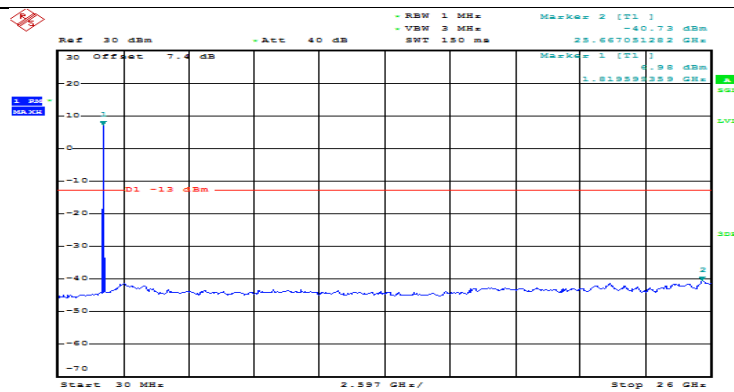Test Mode=QPSK/TM4
Chanel Bandwidth=5MHz
Test Channel=LCH

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

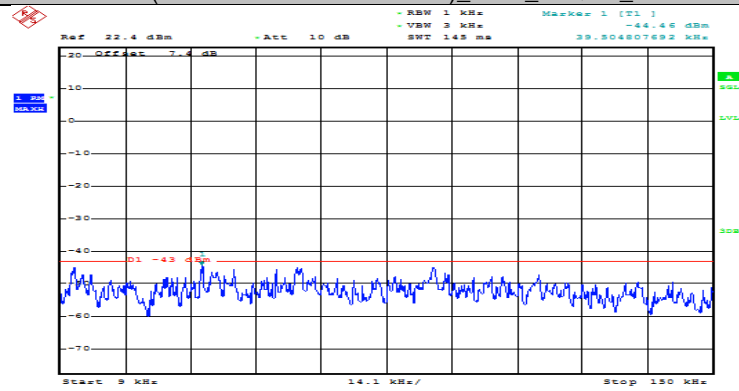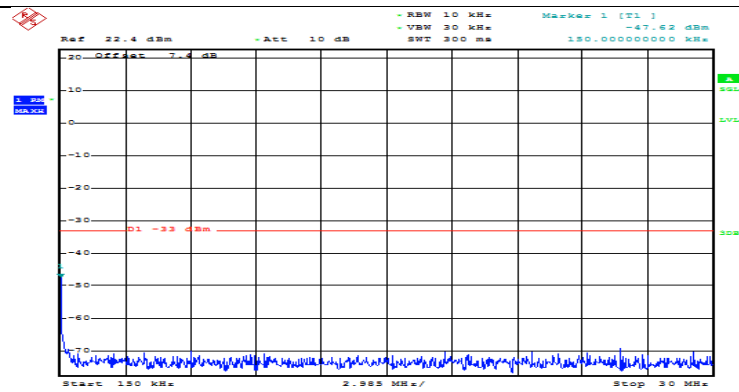Date: 17.AUG.2017 15:54:25

Date: 17.AUG.2017 15:54:31

Date: 17.AUG.2017 15:54:37

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=5MHz
Test Channel=MCH

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

Date: 17.AUG.2017 15:56:08

Date: 17.AUG.2017 15:56:14

Date: 17.AUG.2017 15:56:19

Test Band=LTE Band 2
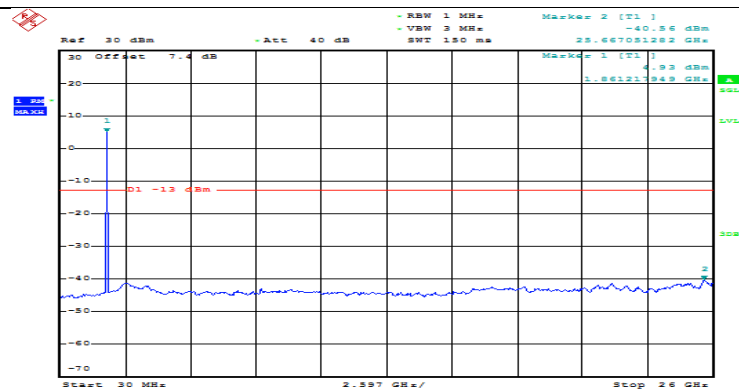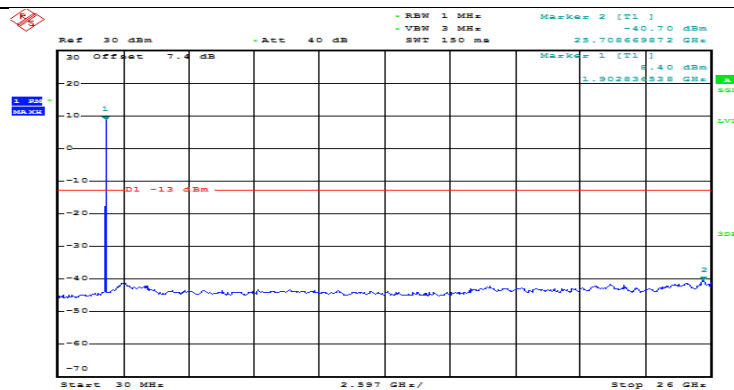Test Mode=QPSK/TM4
Chanel Bandwidth=5MHz
Test Channel=HCH

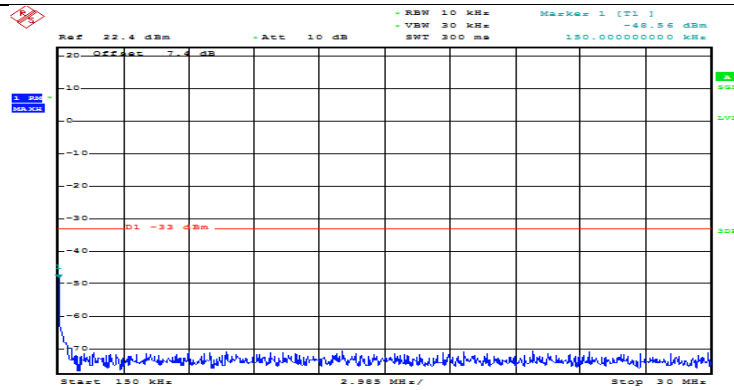| (Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0 |
|---|

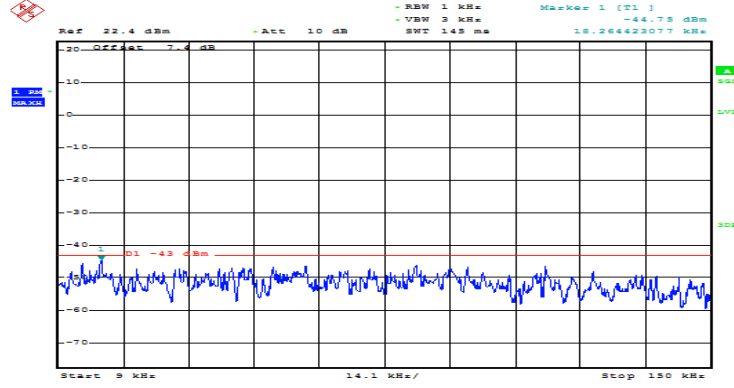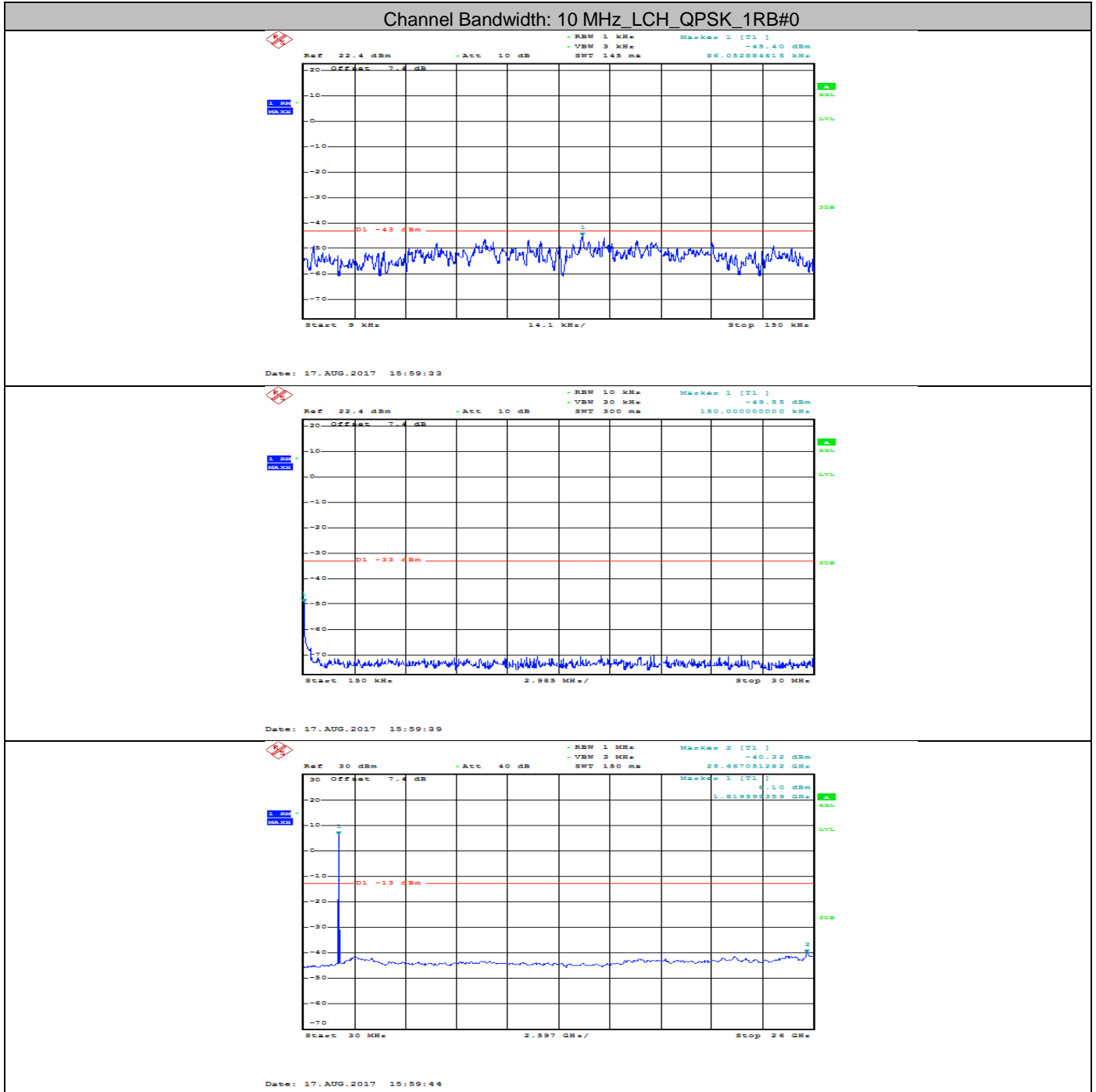Date: 17.AUG.2017 15:57:50

Date: 17.AUG.2017 15:57:56

Date: 17.AUG.2017 15:58:02

Test Band=LTE Band 2
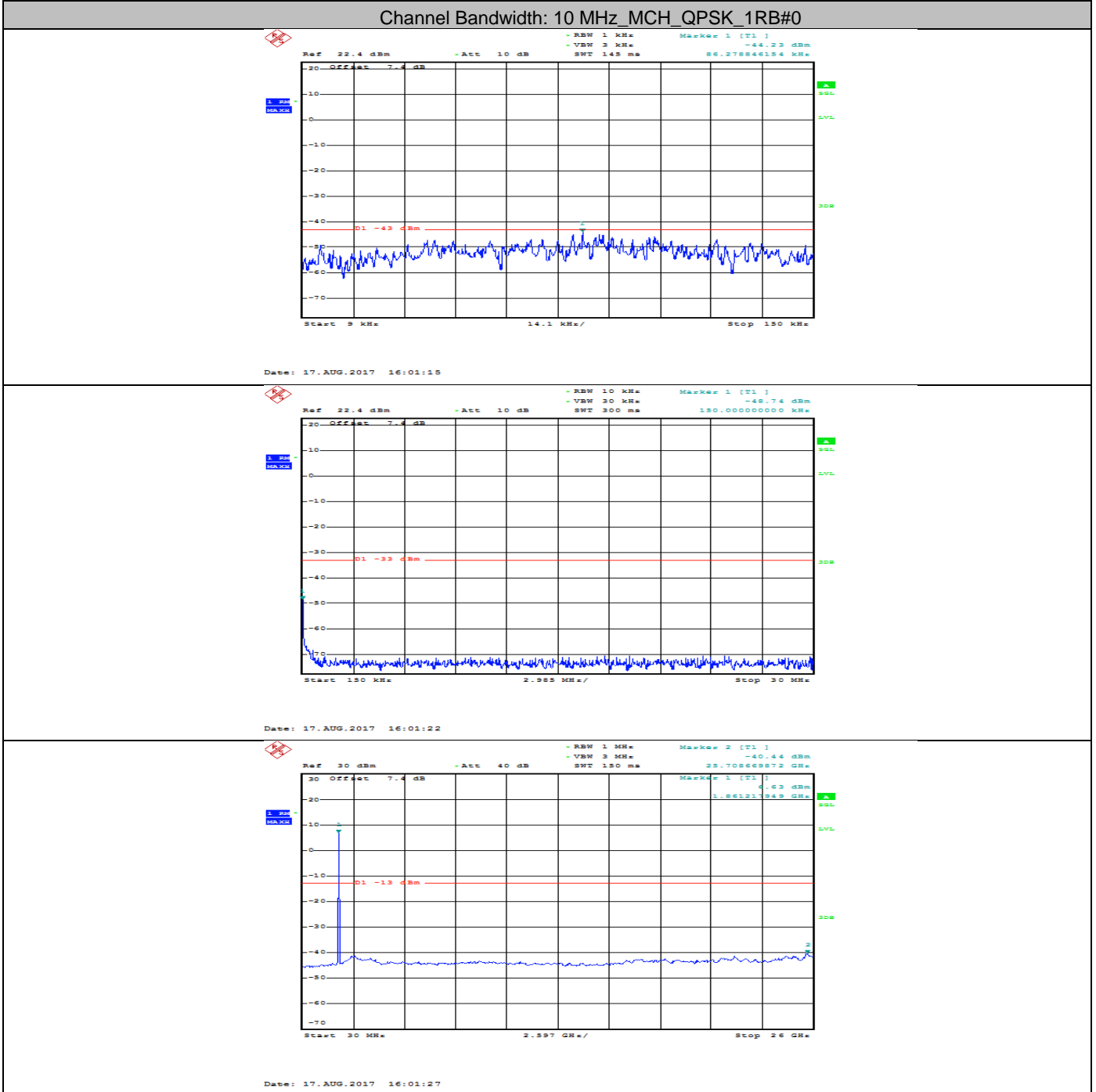Test Mode=16QAM/TM5
Chanel Bandwidth=5MHz
Test Channel=LCH

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

Date: 17.AUG.2017 15:55:17

Date: 17.AUG.2017 15:55:23

Date: 17.AUG.2017 15:55:28

Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=5MHz
Test Channel=MCH

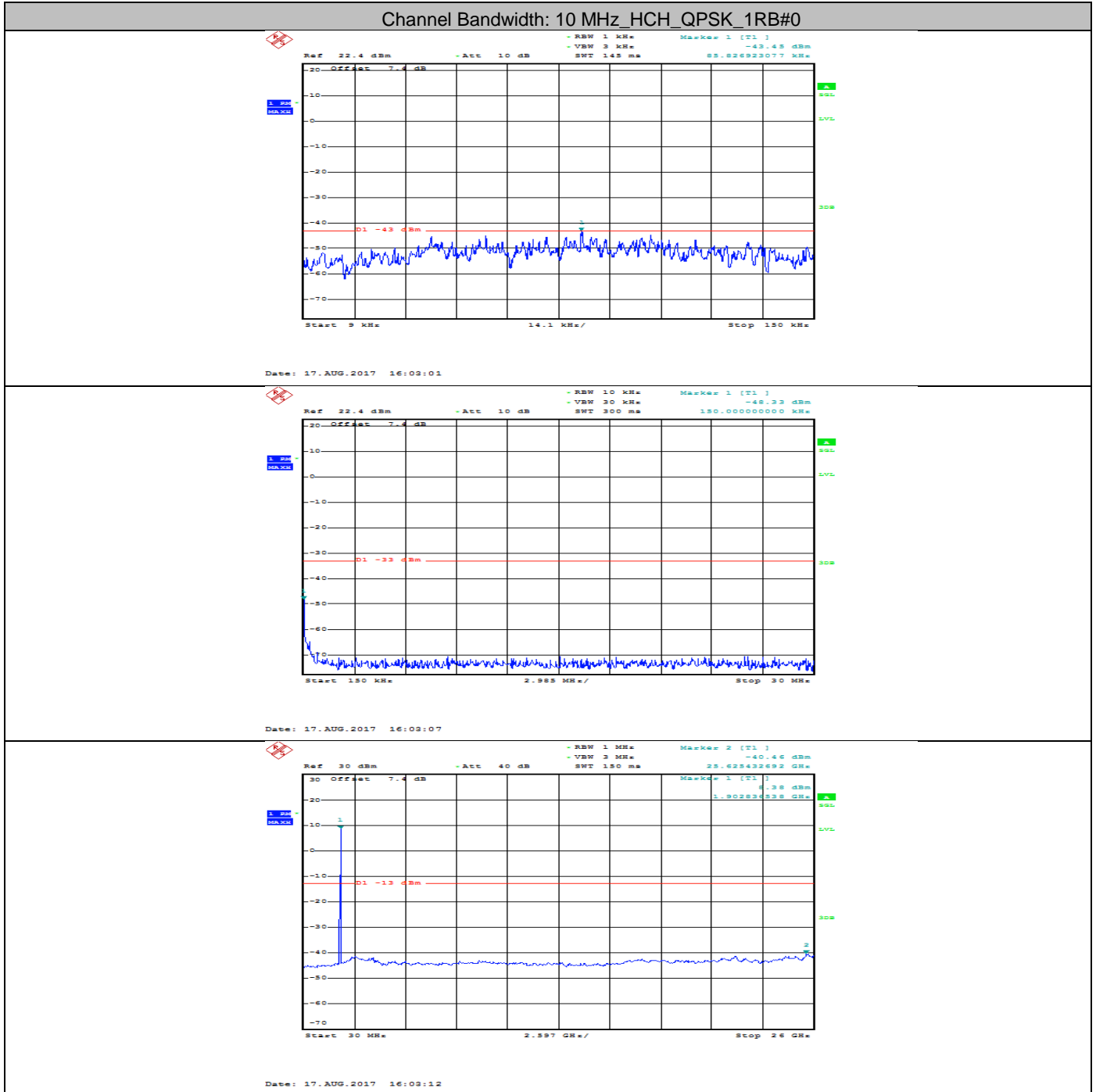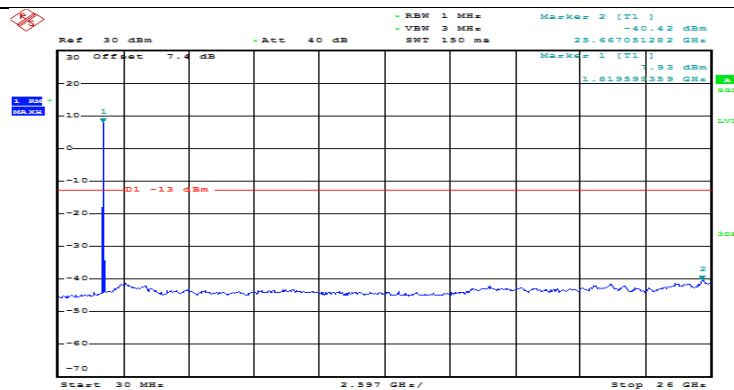| (Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0 |
|---|

Date: 17.AUG.2017 15:56:59

Date: 17.AUG.2017 15:57:05

Date: 17.AUG.2017 15:57:10

Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=5MHz
Test Channel=HCH

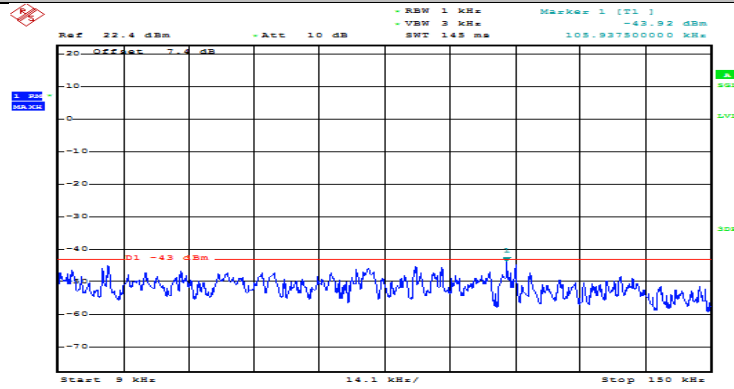| (Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0 |
| --- |

Date: 17.AUG.2017 15:58:41

Date: 17.AUG.2017 15:58:48

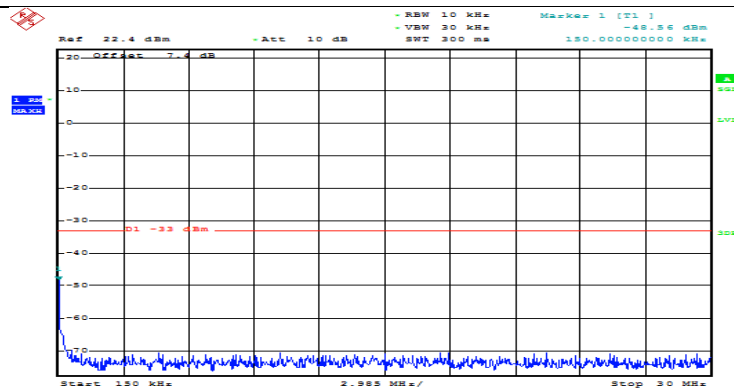Date: 17.AUG.2017 15:58:53

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=10MHz
Test Channel=LCH

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

Date: 17.AUG.2017 15:59:33

Date: 17.AUG.2017 15:59:39

Date: 17.AUG.2017 15:59:44

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=10MHz
Test Channel=MCH

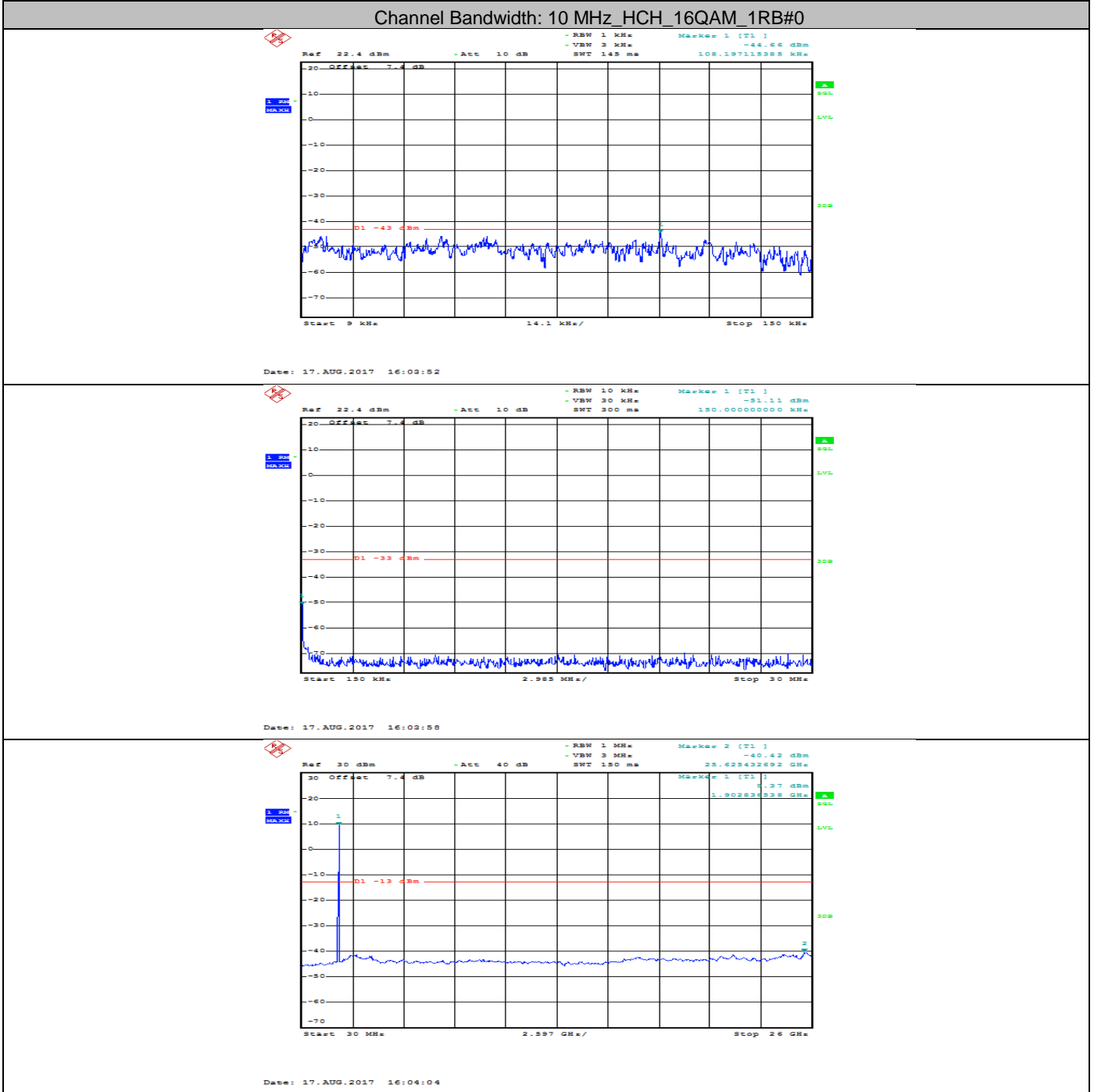| Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0 |
|---|

Date: 17.AUG.2017 16:01:15

Date: 17.AUG.2017 16:01:22
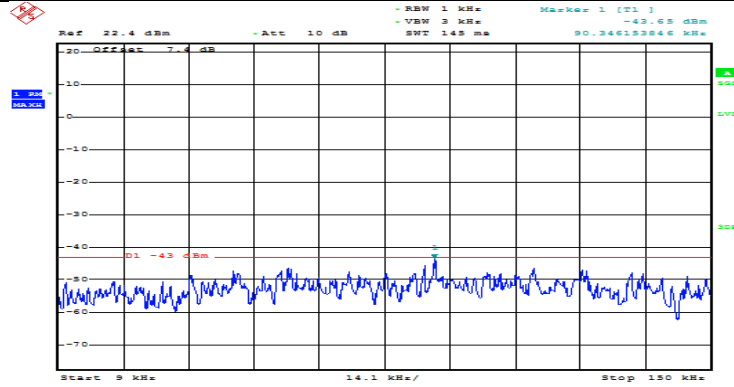

Date: 17.AUG.2017 16:01:27

Test Band=LTE Band 2
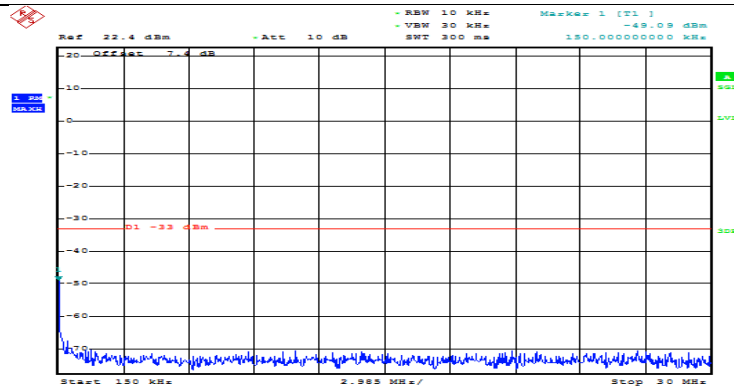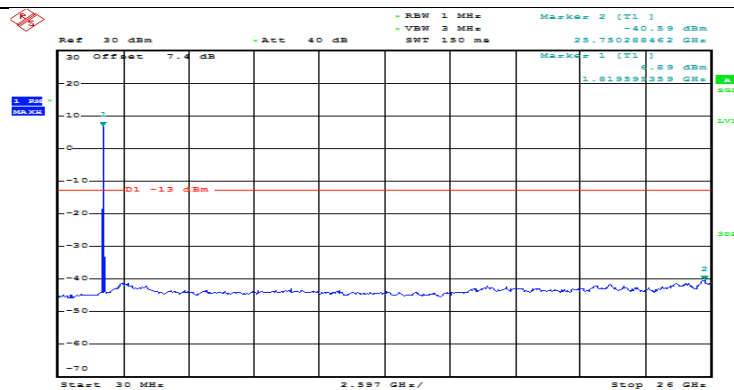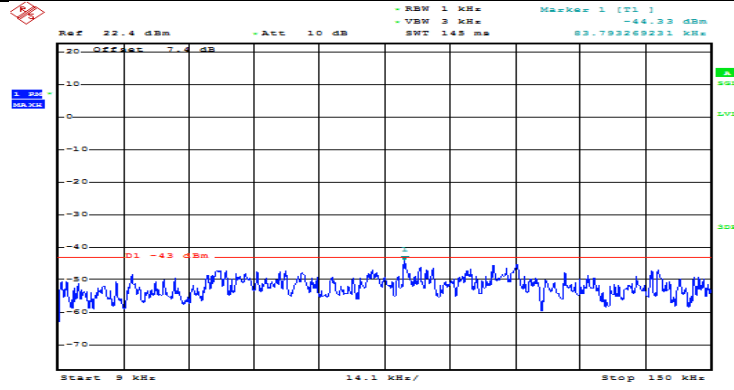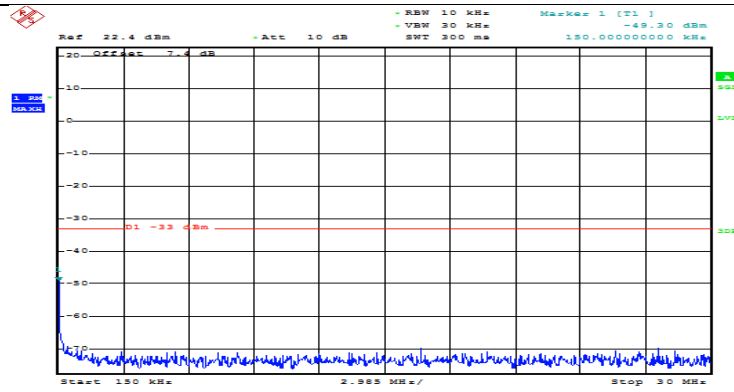Test Mode=QPSK/TM4
Chanel Bandwidth=10MHz
Test Channel=HCH

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

Date: 17.AUG.2017 16:03:01

Date: 17.AUG.2017 16:03:07

Date: 17.AUG.2017 16:03:12

Test Band=LTE Band 2
Test Mode=16QAM/TM5
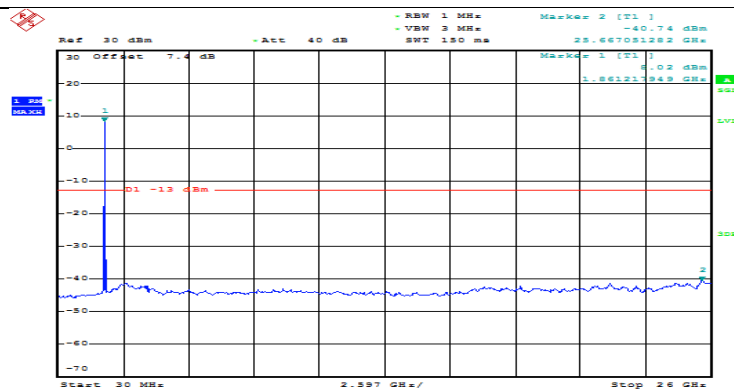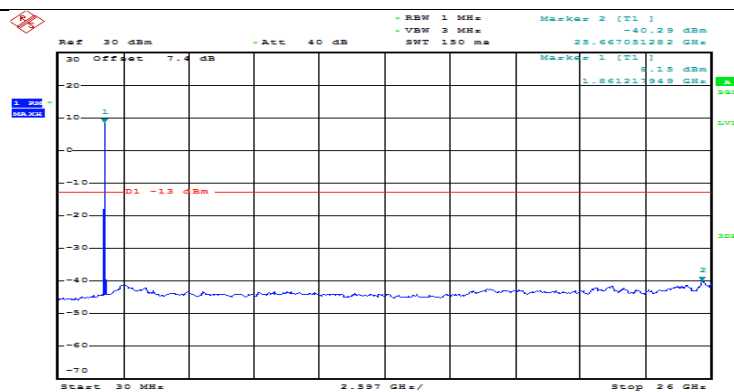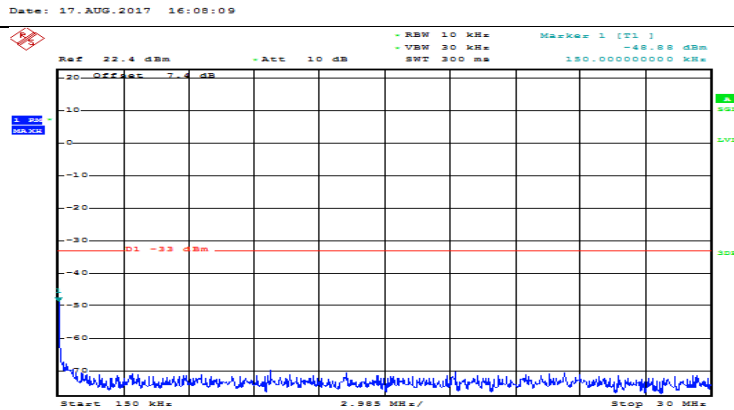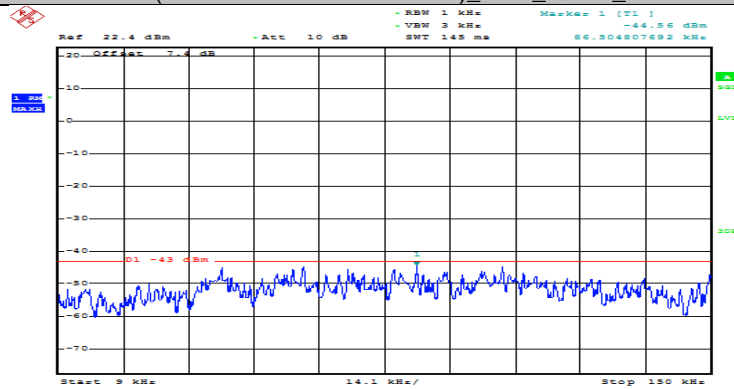Chanel Bandwidth=10MHz
Test Channel=LCH

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

Date: 17.AUG.2017 16:00:24

Date: 17.AUG.2017 16:00:30

Date: 17.AUG.2017 16:00:36
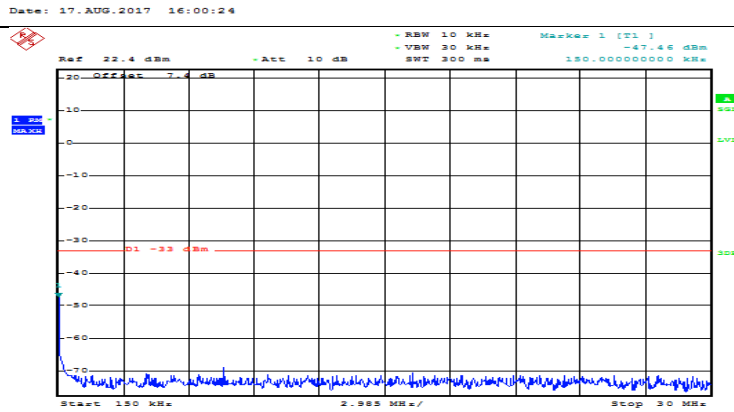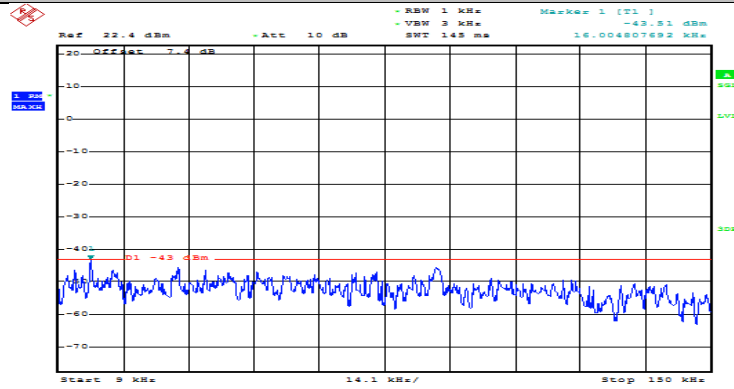
Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=10MHz
Test Channel=MCH

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

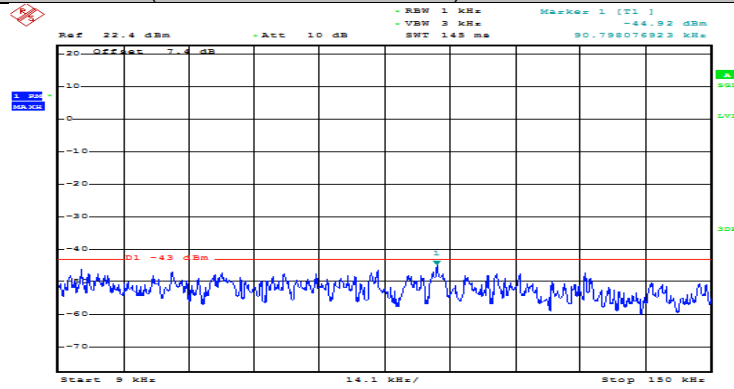Date: 17.AUG.2017 16:02:10

Date: 17.AUG.2017 16:02:16
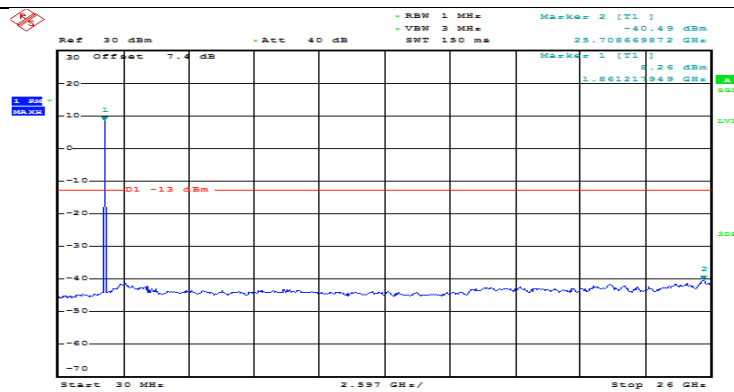
Date: 17.AUG.2017 16:02:21

Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=10MHz
Test Channel=HCH

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

Date: 17.AUG.2017 16:03:52

Date: 17.AUG.2017 16:03:58

Date: 17.AUG.2017 16:04:04

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=15MHz
Test Channel=LCH

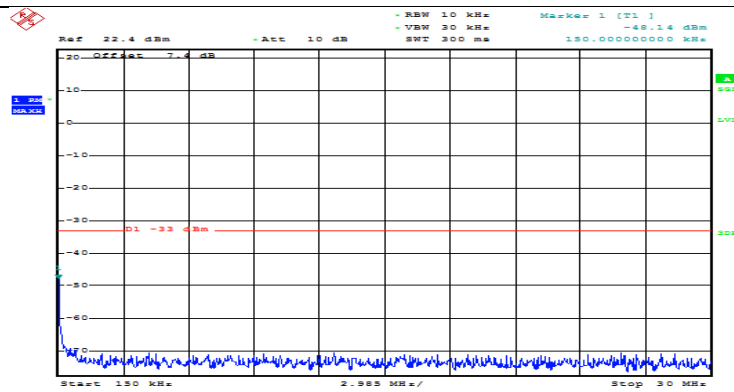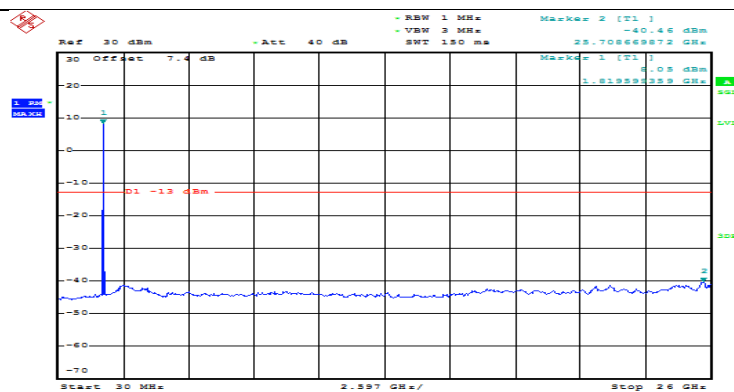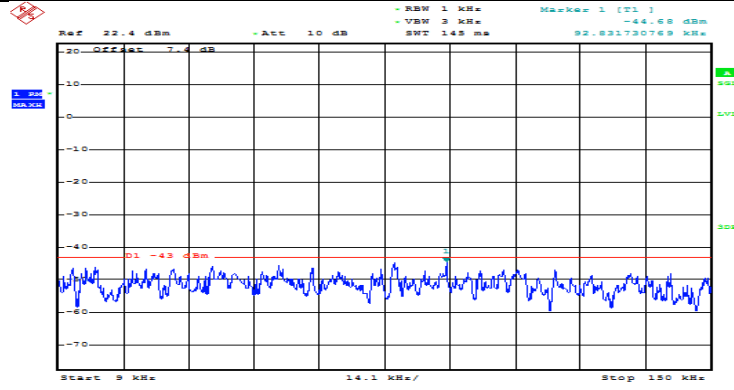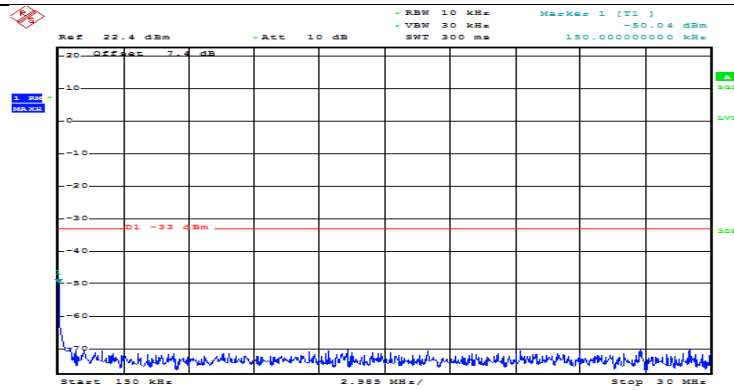| (Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0 |
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Date: 17.AUG.2017 16:04:44

Date: 17.AUG.2017 16:04:50

Date: 17.AUG.2017 16:04:55

Test Band=LTE Band 2
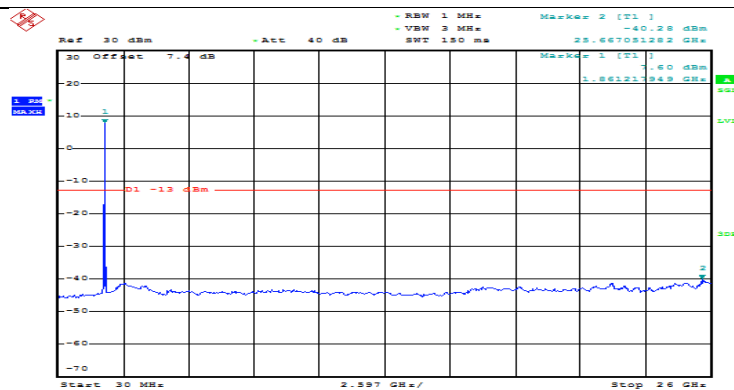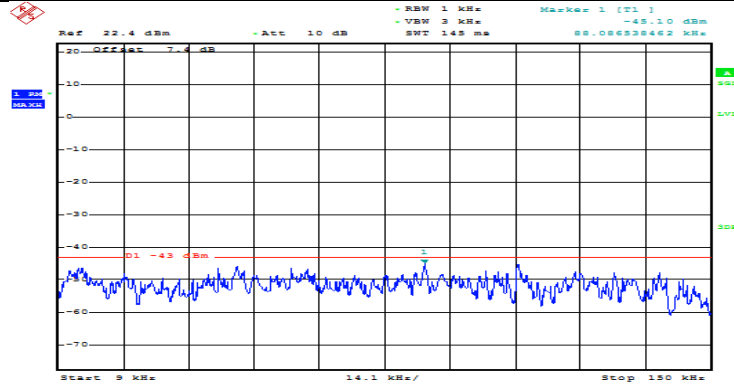Test Mode=QPSK/TM4
Chanel Bandwidth=15MHz
Test Channel=MCH

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

Date: 17.AUG.2017 16:06:26

Date: 17.AUG.2017 16:06:32

Date: 17.AUG.2017 16:06:38

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=15MHz
Test Channel=HCH

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

Date: 17.AUG.2017 16:08:09
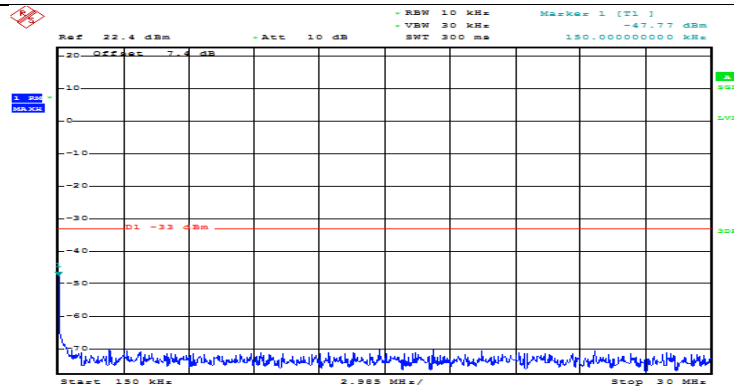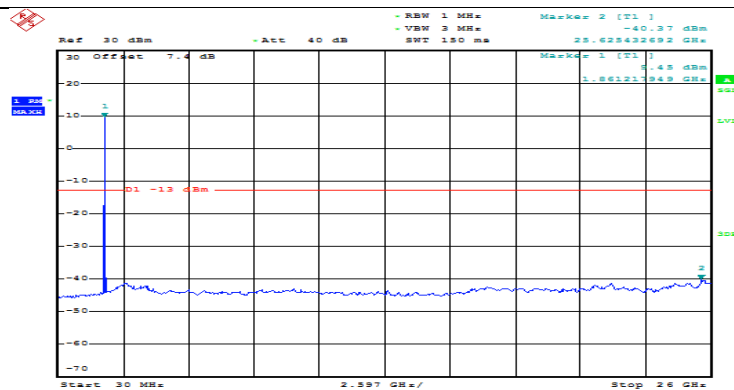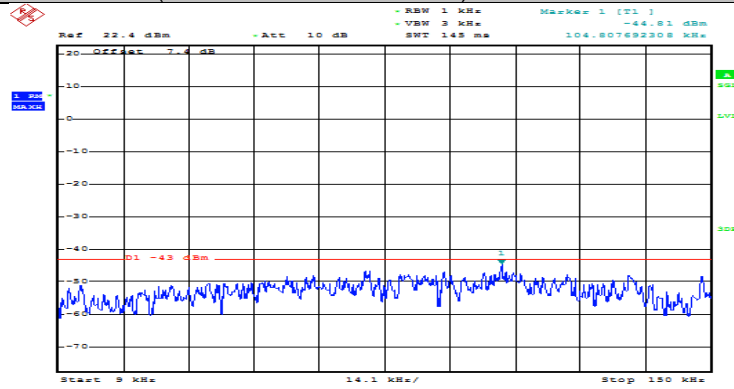

Date: 17.AUG.2017 16:08:15

Date: 17.AUG.2017 16:08:20

Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=15MHz
Test Channel=LCH

(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

Date: 17.AUG.2017 16:05:35
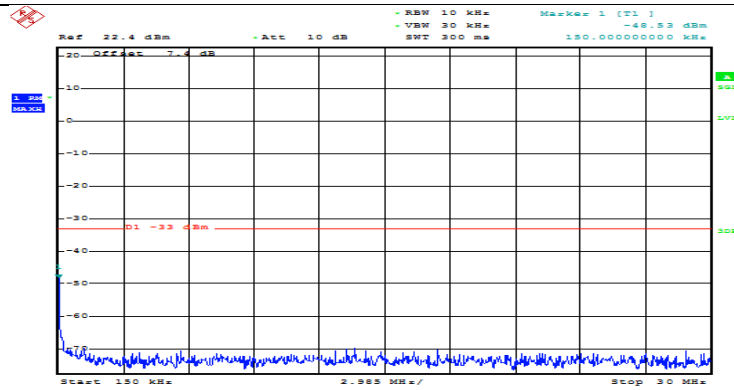

Date: 17.AUG.2017 16:05:41

Date: 17.AUG.2017 16:05:46

Test Band=LTE Band 2
Test Mode=16QAM/TM5
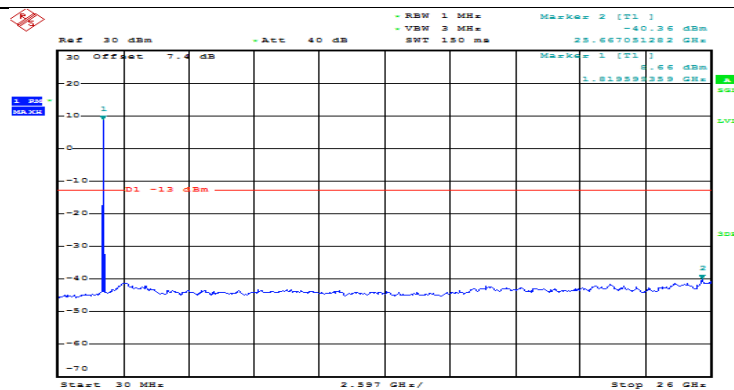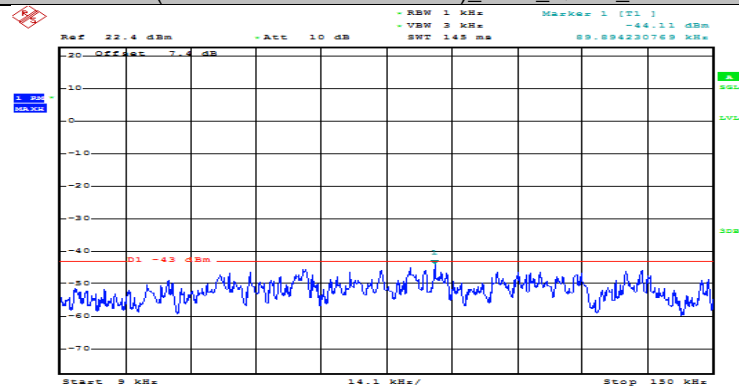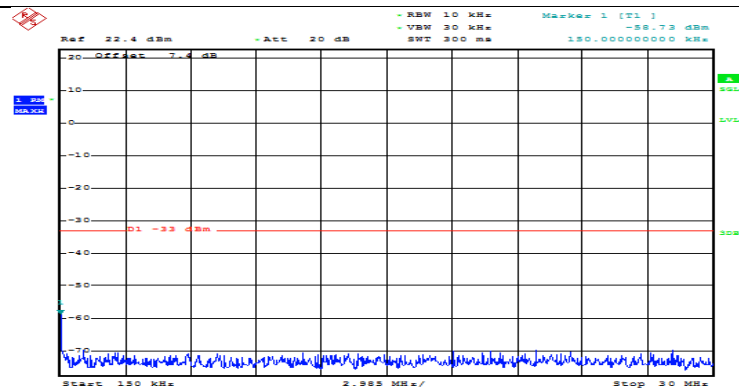Chanel Bandwidth=15MHz
Test Channel=MCH

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

Date: 17.AUG.2017 16:07:18

Date: 17.AUG.2017 16:07:24

Date: 17.AUG.2017 16:07:29

Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=15MHz
Test Channel=HCH

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

Date: 17.AUG.2017 16:09:01

Date: 17.AUG.2017 16:09:07

Date: 17.AUG.2017 16:09:12

Test Band=LTE Band 2
Test Mode=QPSK/TM4
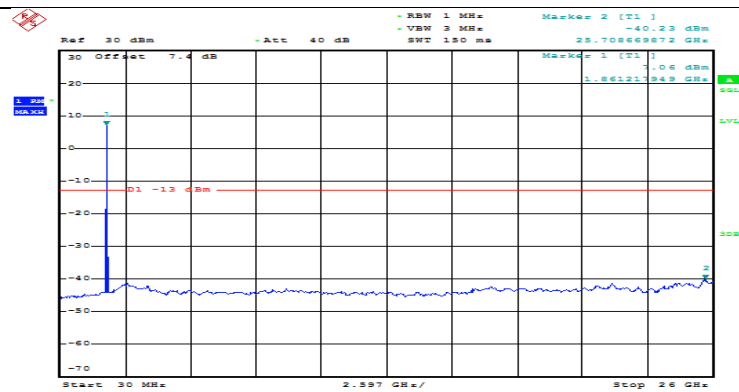Chanel Bandwidth=20MHz
Test Channel=LCH

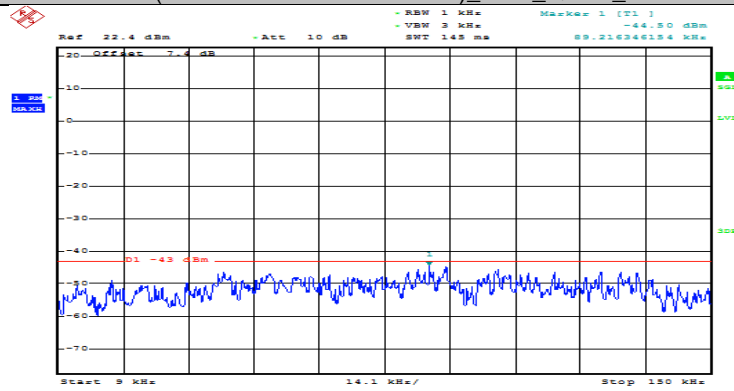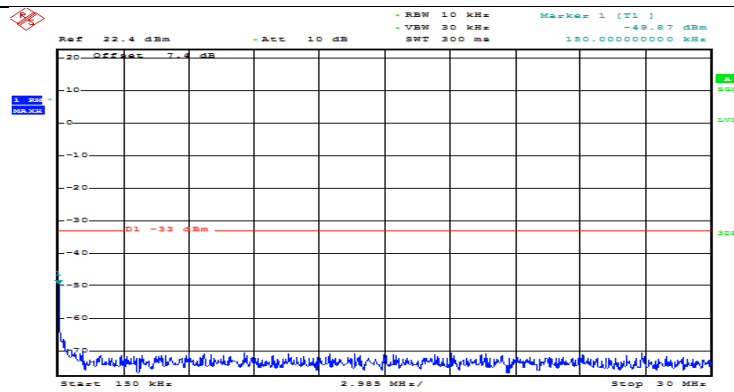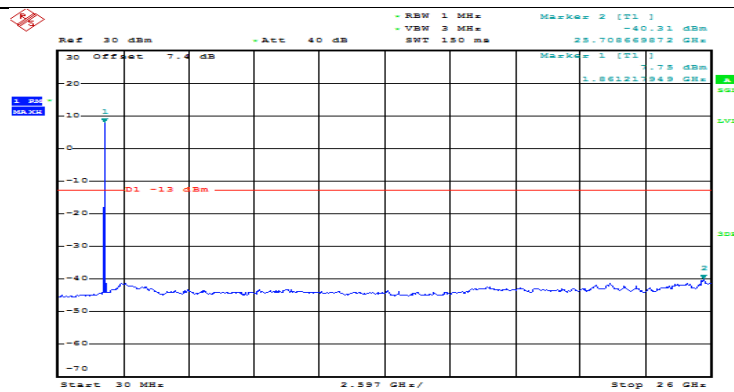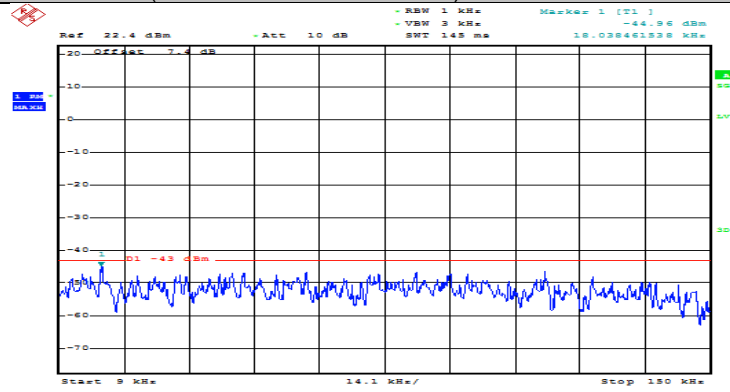| (Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0 |
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Date: 17.AUG.2017 16:09:52

Date: 17.AUG.2017 16:09:58

Date: 17.AUG.2017 16:10:03

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=20MHz
Test Channel=MCH

(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

Date: 17.AUG.2017 16:11:35

Date: 17.AUG.2017 16:11:44

Date: 17.AUG.2017 16:11:49

Test Band=LTE Band 2
Test Mode=QPSK/TM4
Chanel Bandwidth=20MHz
Test Channel=HCH

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

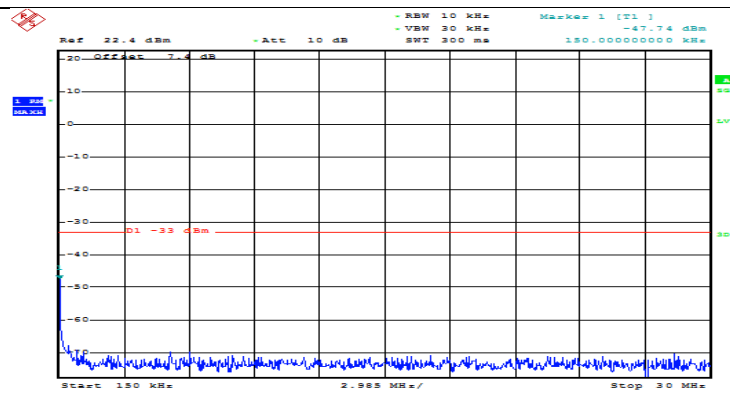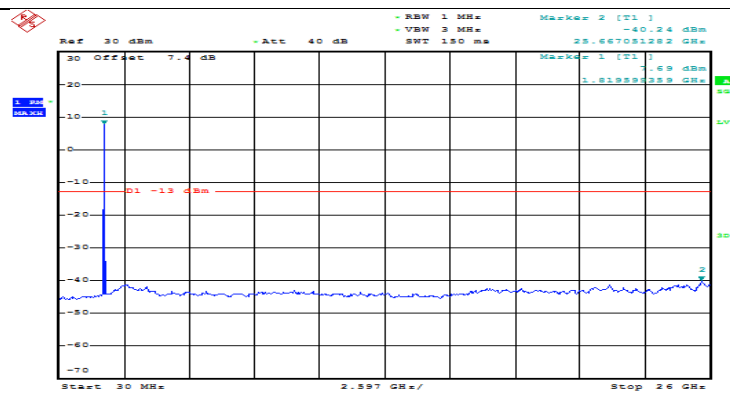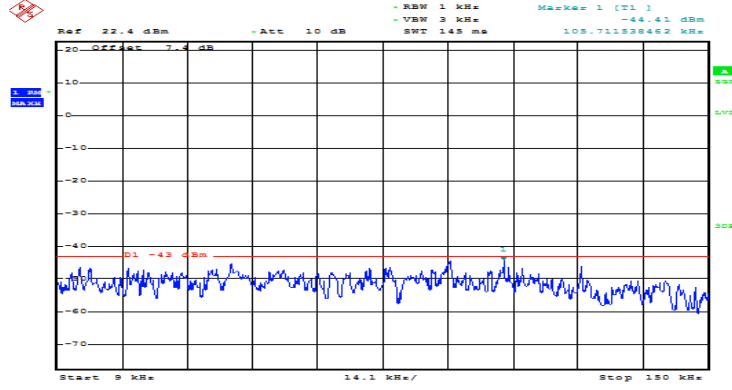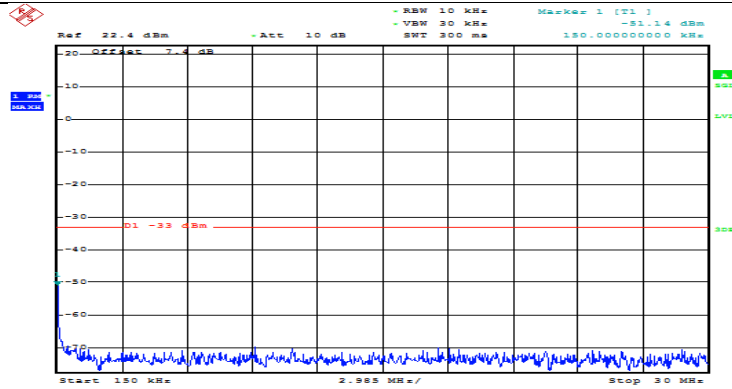Date: 17.AUG.2017 16:13:21

Date: 17.AUG.2017 16:13:27

Date: 17.AUG.2017 16:13:32

Test Band=LTE Band 2
Test Mode=16QAM/TM5
Chanel Bandwidth=20MHz
Test Channel=LCH

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

Date: 17.AUG.2017 16:10:43

Date: 17.AUG.2017 16:10:50

Date: 17.AUG.2017 16:10:55

Test Band=LTE Band 2
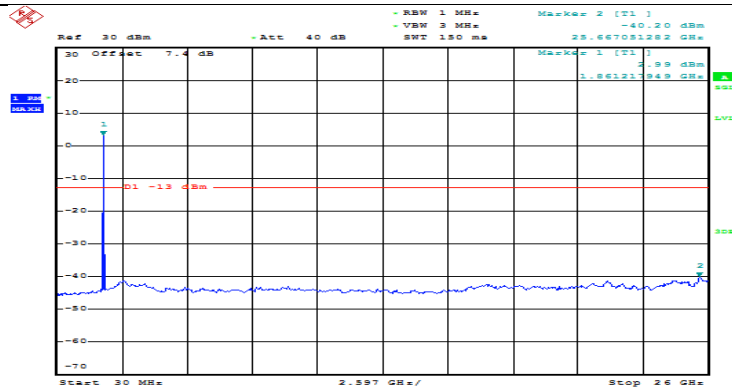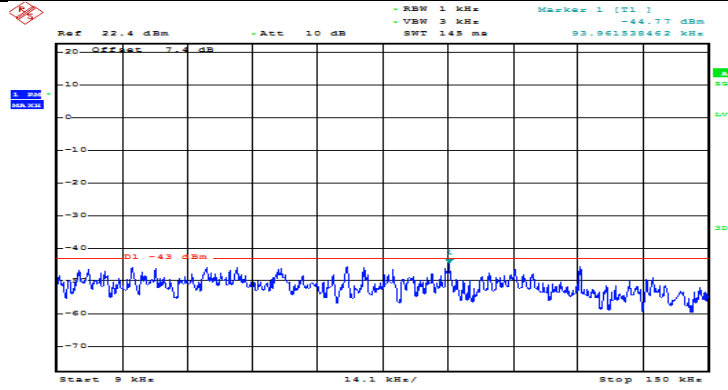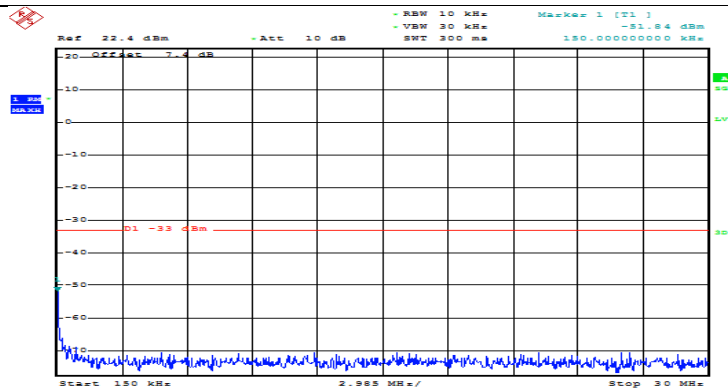Test Mode=16QAM/TM5
Chanel Bandwidth=20MHz
Test Channel=MCH

(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

Date: 17.AUG.2017 16:12:29

Date: 17.AUG.2017 16:12:36

Date: 17.AUG.2017 16:12:41

Test Band=LTE Band 2
Test Mode=16QAM/TM5
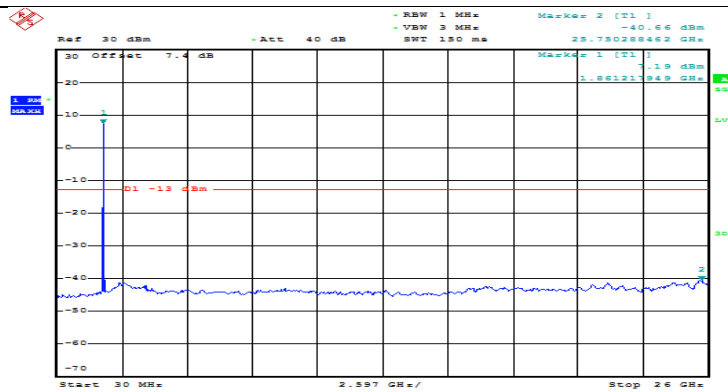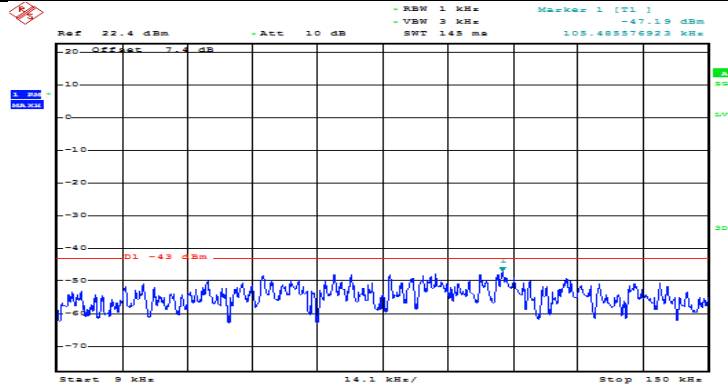Chanel Bandwidth=20MHz
Test Channel=HCH

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0

Date: 17.AUG.2017 16:13:02
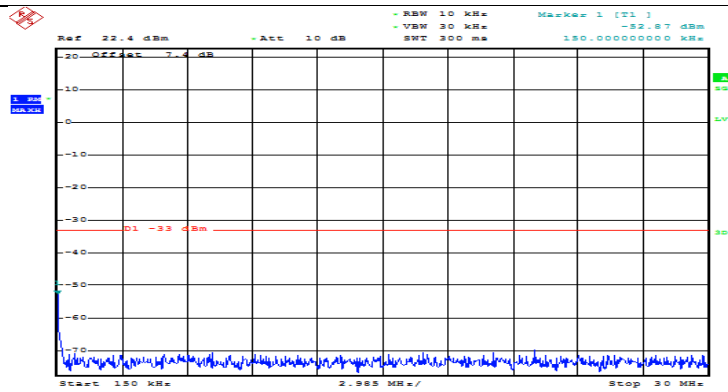

Date: 17.AUG.2017 16:14:19

Date: 17.AUG.2017 16:14:24

Test Band=LTE Band 4
Test Mode=QPSK/TM4
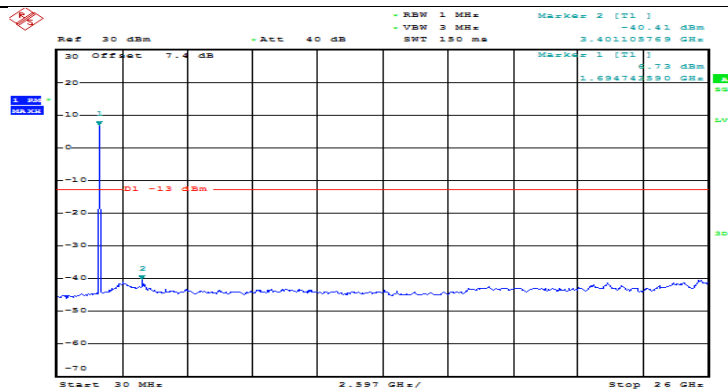Chanel Bandwidth=1.4MHz
Test Channel=LCH

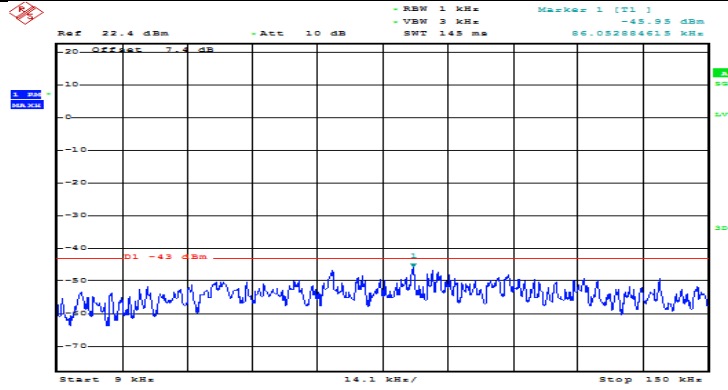| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0 |
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Date: 29.AUG.2017 12:54:22
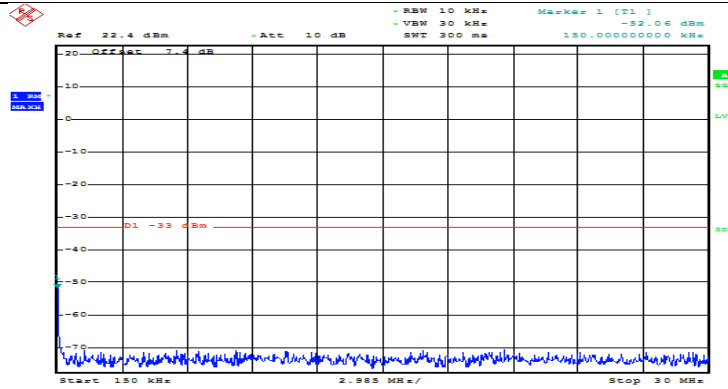

Date: 29.AUG.2017 12:54:28

Date: 29.AUG.2017 12:54:33

Test Band=LTE Band 4
Test Mode=QPSK/TM4
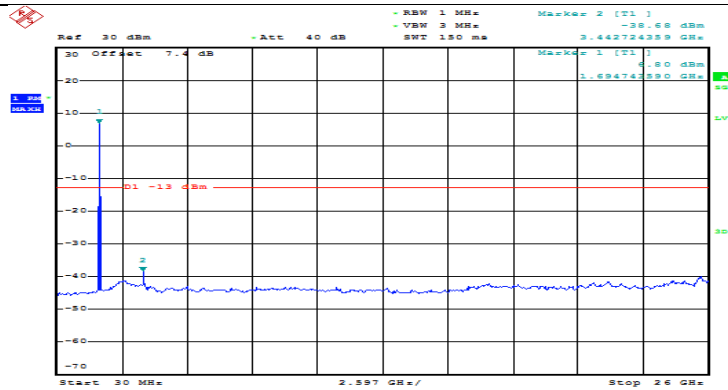Chanel Bandwidth=1.4MHz
Test Channel=MCH

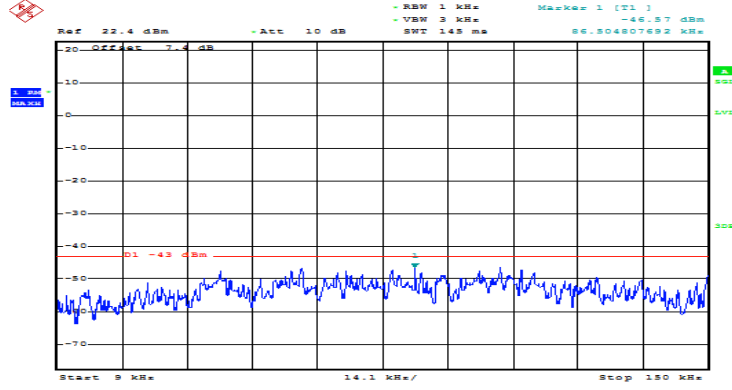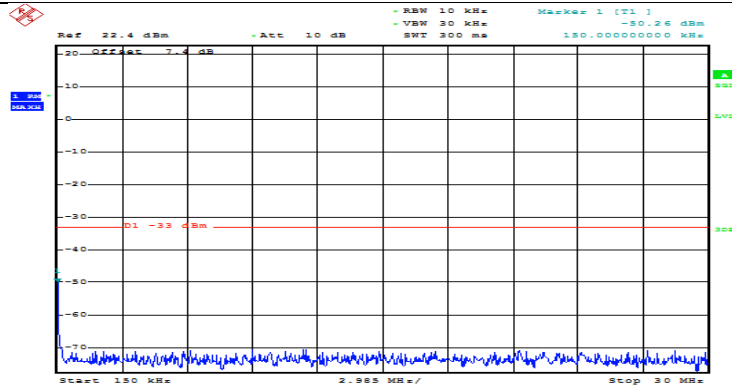| (Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0 |
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Date: 29.AUG.2017 12:56:04

Date: 29.AUG.2017 12:56:11

Date: 29.AUG.2017 12:56:16

Test Band=LTE Band 4
Test Mode=QPSK/TM4
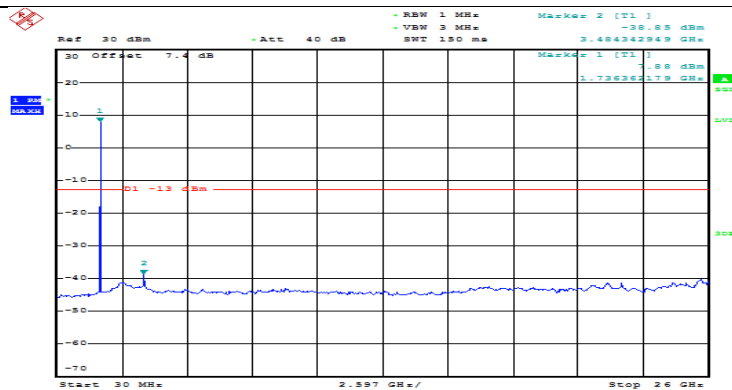Chanel Bandwidth=1.4MHz
Test Channel=HCH

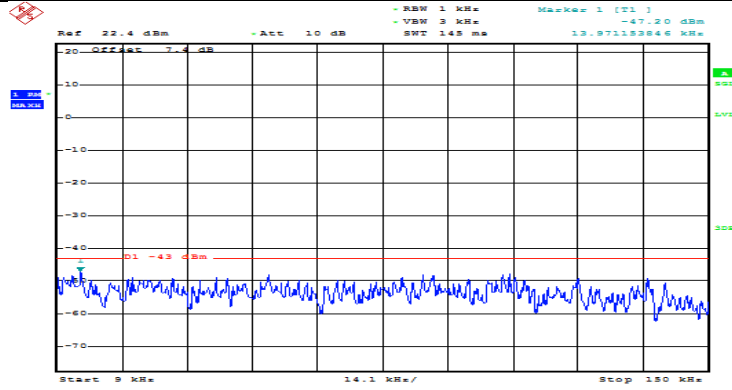| (Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0 |
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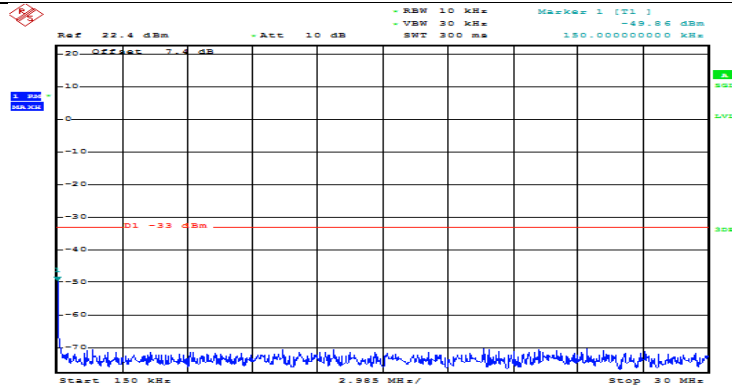Date: 29.AUG.2017 12:57:47

Date: 29.AUG.2017 12:57:53

Date: 29.AUG.2017 12:57:58

Test Band=LTE Band 4
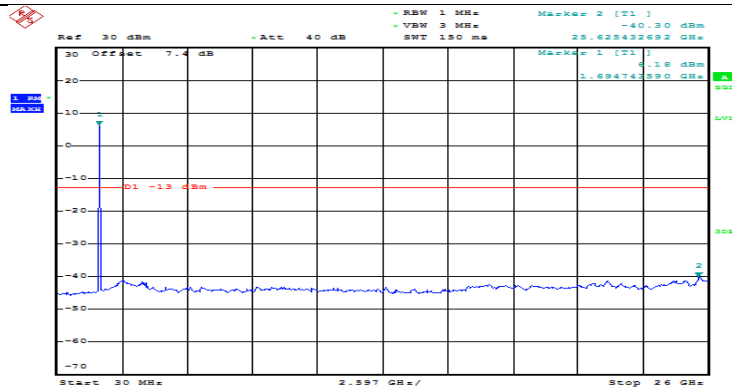Test Mode=16QAM/TM5
Chanel Bandwidth=1.4MHz
Test Channel=LCH

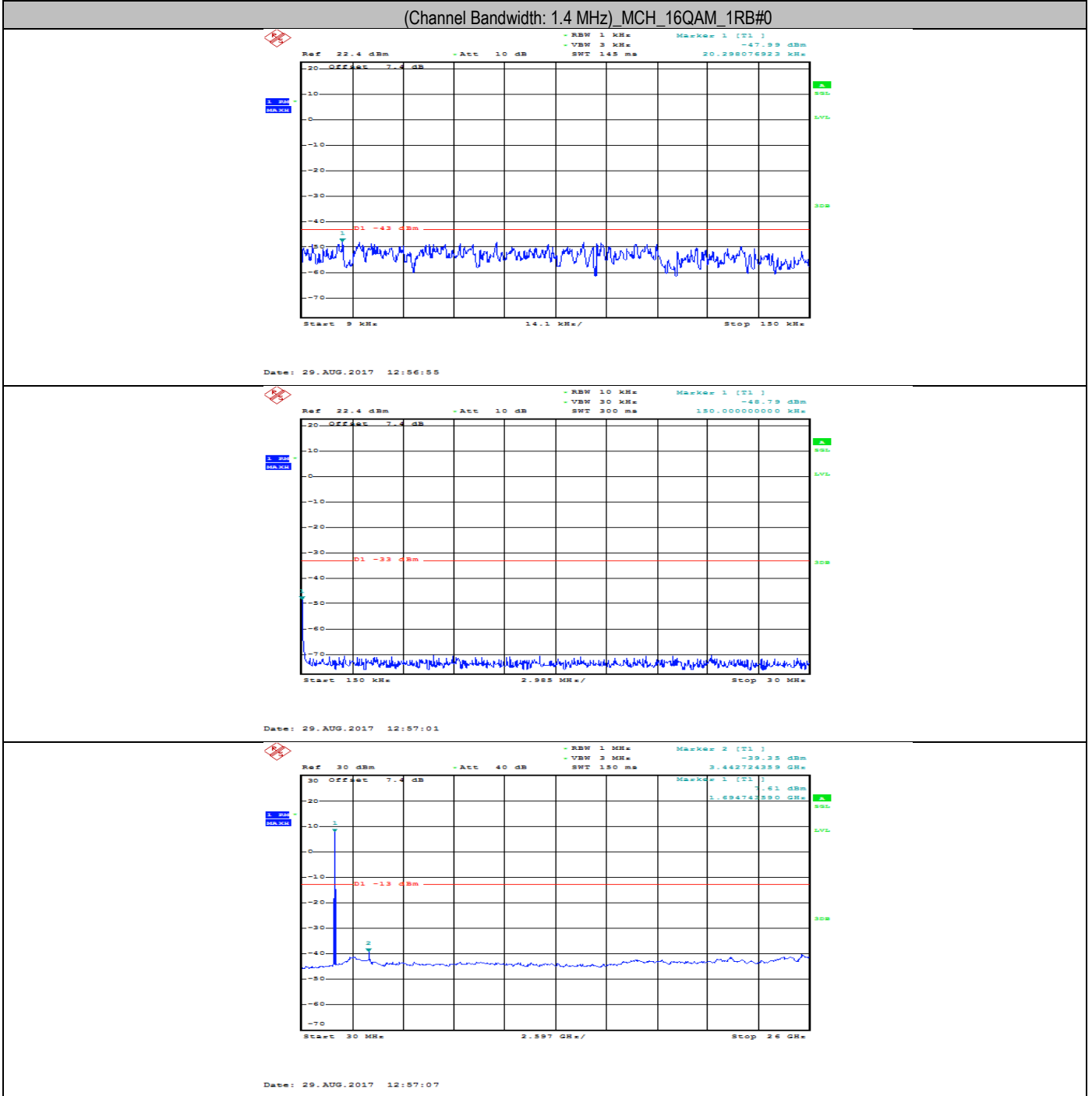| (Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0 |
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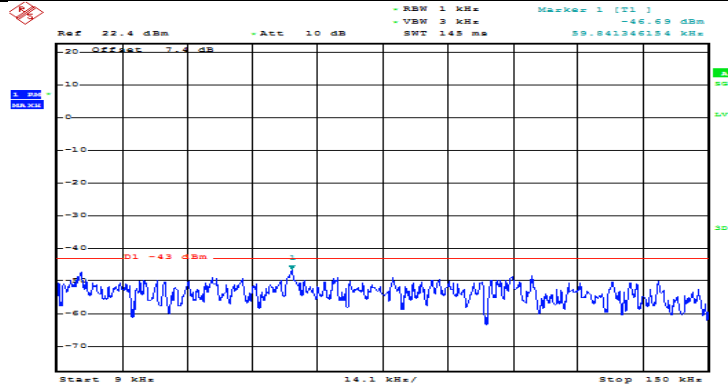Date: 29.AUG.2017 12:55:13

Date: 29.AUG.2017 12:55:19

Date: 29.AUG.2017 12:55:24

Test Band=LTE Band 4
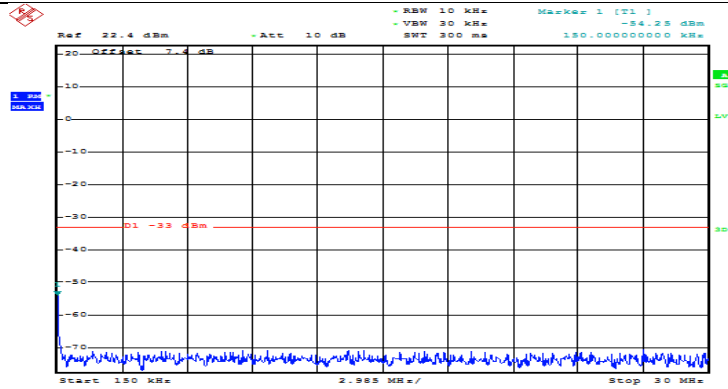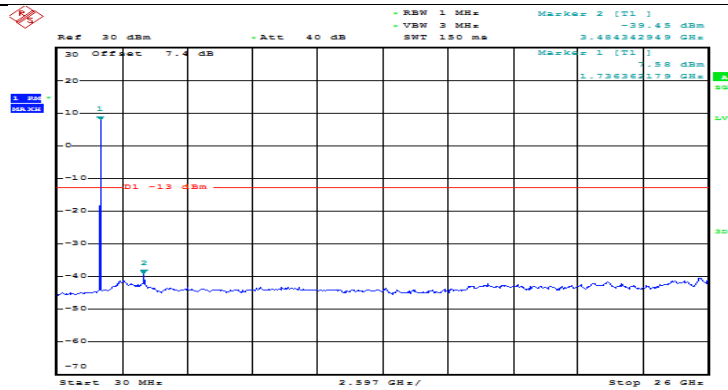Test Mode=16QAM/TM5
Chanel Bandwidth=1.4MHz
Test Channel=MCH

Date: 29.AUG.2017 12:56:55

Date: 29.AUG.2017 12:57:01

Date: 29.AUG.2017 12:57:07

Test Band=LTE Band 4
Test Mode=16QAM/TM5
Chanel Bandwidth=1.4MHz
Test Channel=HCH

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

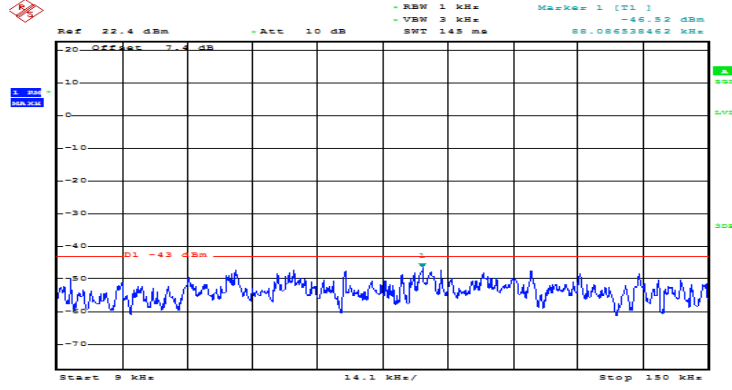Date: 29.AUG.2017 12:58:38

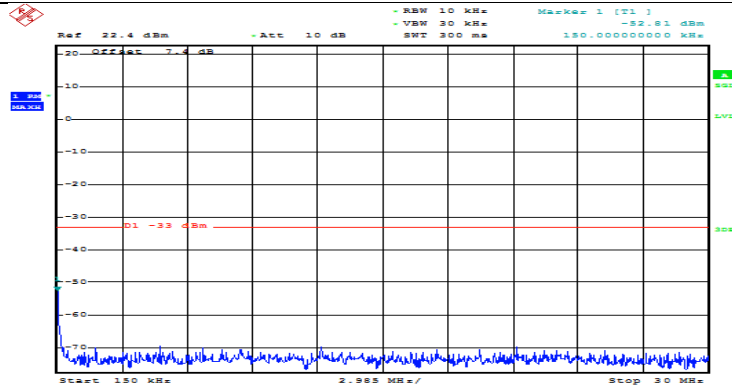Date: 29.AUG.2017 12:58:44

Date: 29.AUG.2017 12:58:49

Test Band=LTE Band 4
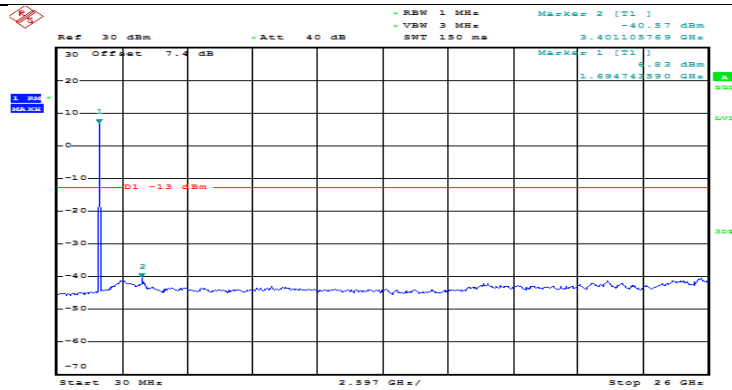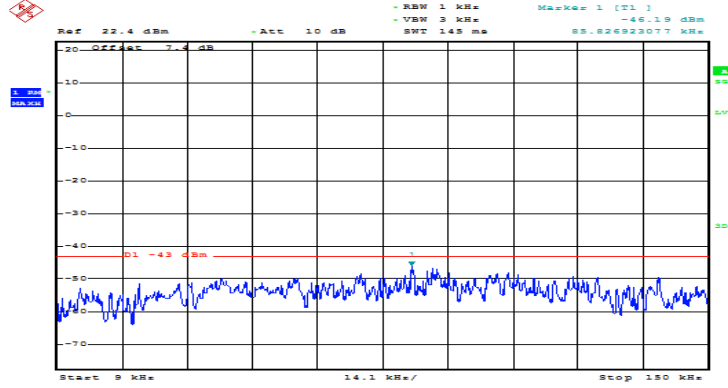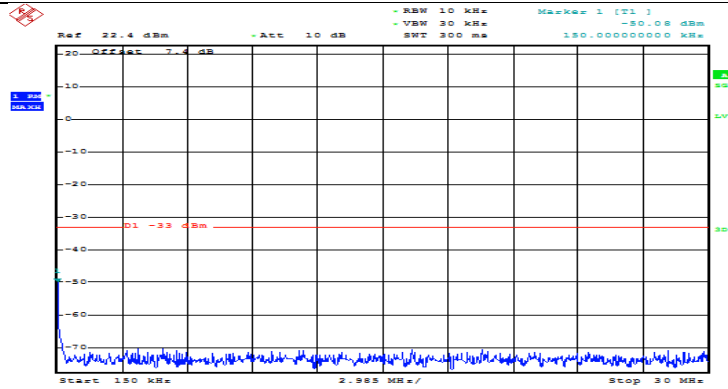Test Mode=QPSK/TM4
Chanel Bandwidth=3MHz
Test Channel=LCH

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

Date: 29.AUG.2017 12:59:29

Date: 29.AUG.2017 12:59:35

Date: 29.AUG.2017 12:59:40

Test Band=LTE Band 4
Test Mode=QPSK/TM4
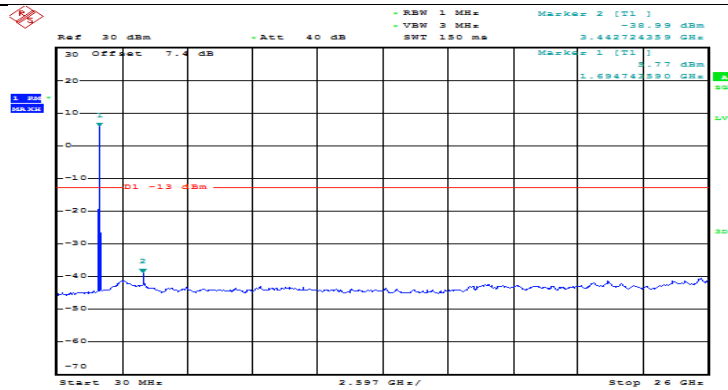Chanel Bandwidth=3MHz
Test Channel=MCH

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

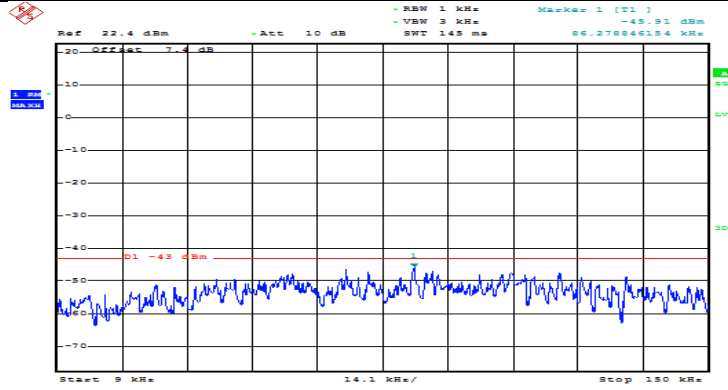Date: 29.AUG.2017 13:01:12

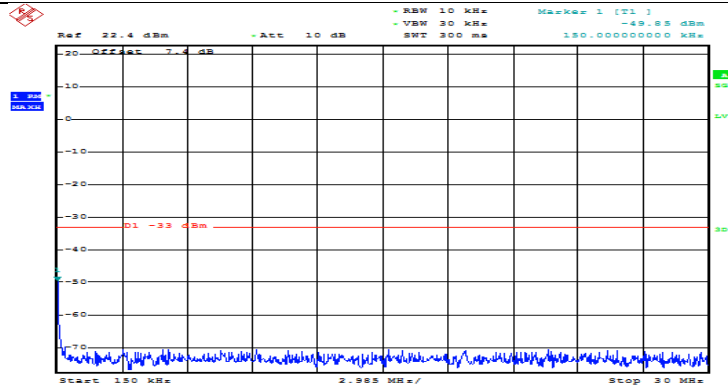Date: 29.AUG.2017 13:01:18

Date: 29.AUG.2017 13:01:23

Test Band=LTE Band 4
Test Mode=QPSK/TM4
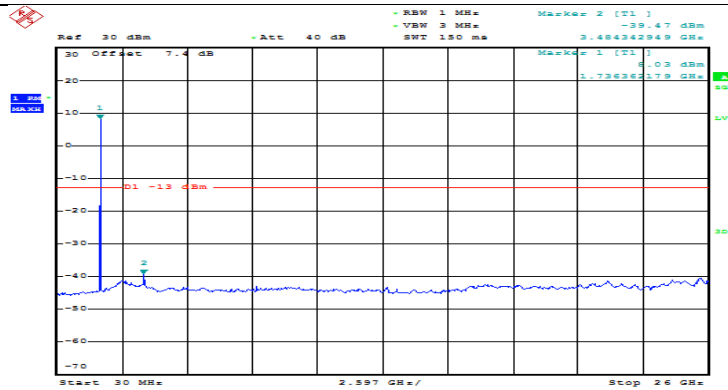Chanel Bandwidth=3MHz
Test Channel=HCH

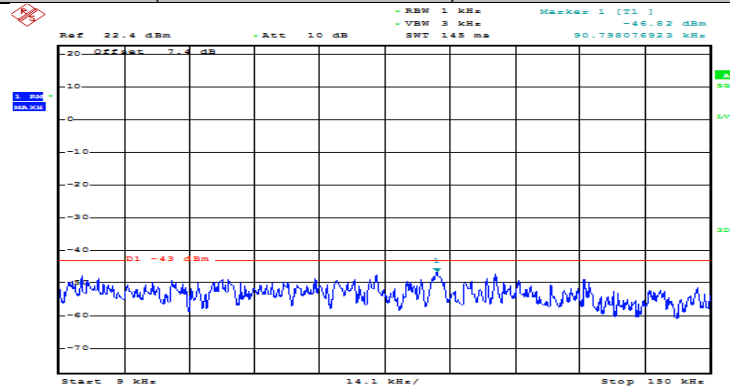| (Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0 |
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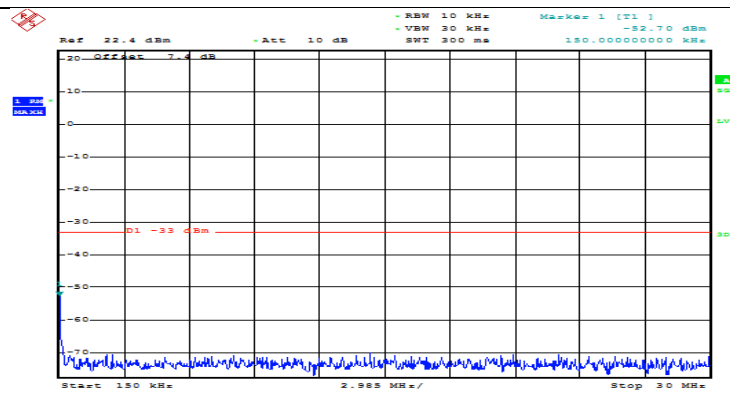Date: 29.AUG.2017 13:02:54

Date: 29.AUG.2017 13:03:01

Date: 29.AUG.2017 13:03:06

Test Band=LTE Band 4
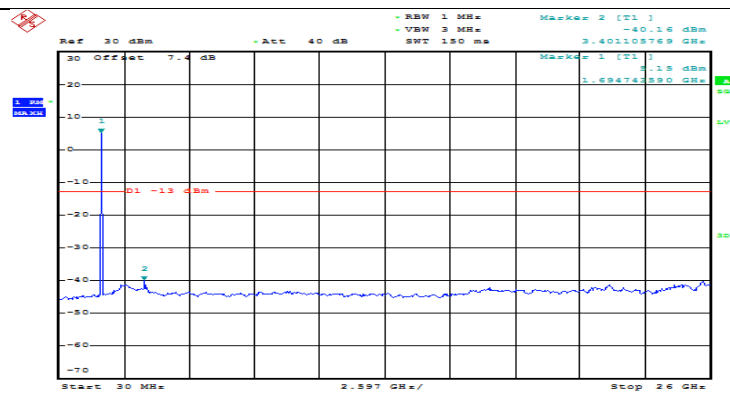Test Mode=16QAM/TM5
Chanel Bandwidth=3MHz
Test Channel=LCH

(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

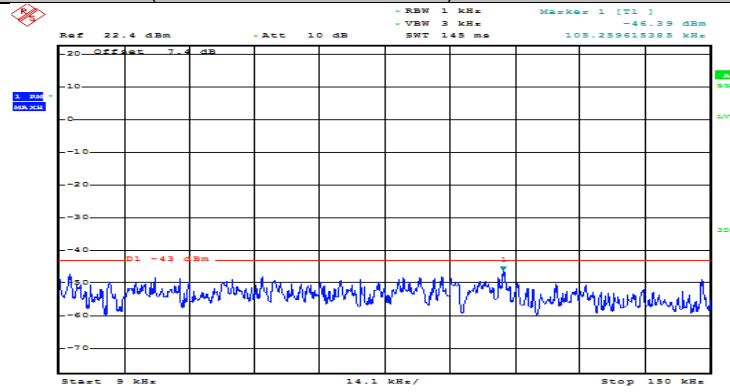Date: 29.AUG.2017 13:00:21

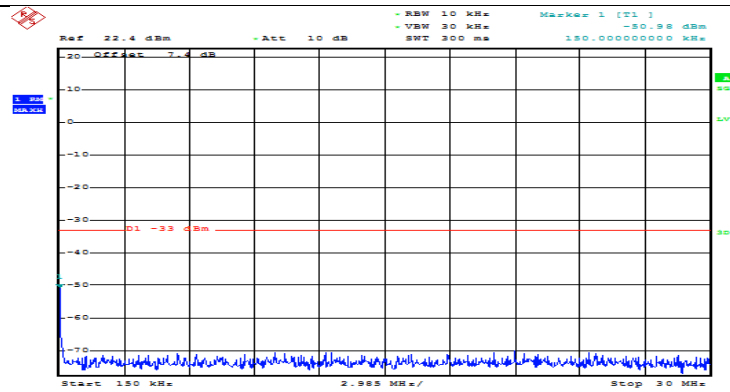Date: 29.AUG.2017 13:00:27

Date: 29.AUG.2017 13:00:32

Test Band=LTE Band 4
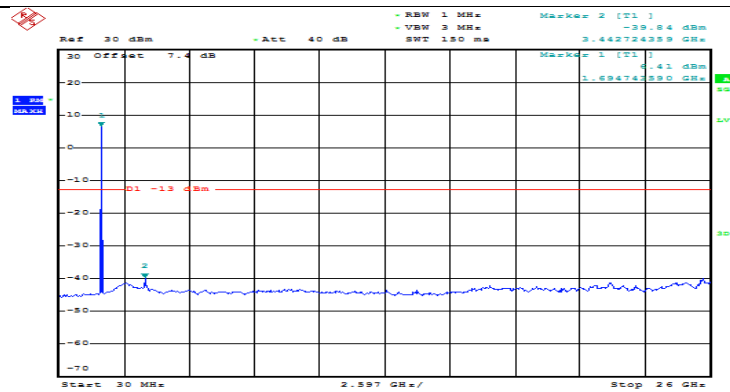Test Mode=16QAM/TM5
Chanel Bandwidth=3MHz
Test Channel=MCH

(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

Date: 29.AUG.2017 13:02:03

Date: 29.AUG.2017 13:02:09

Date: 29.AUG.2017 13:02:15