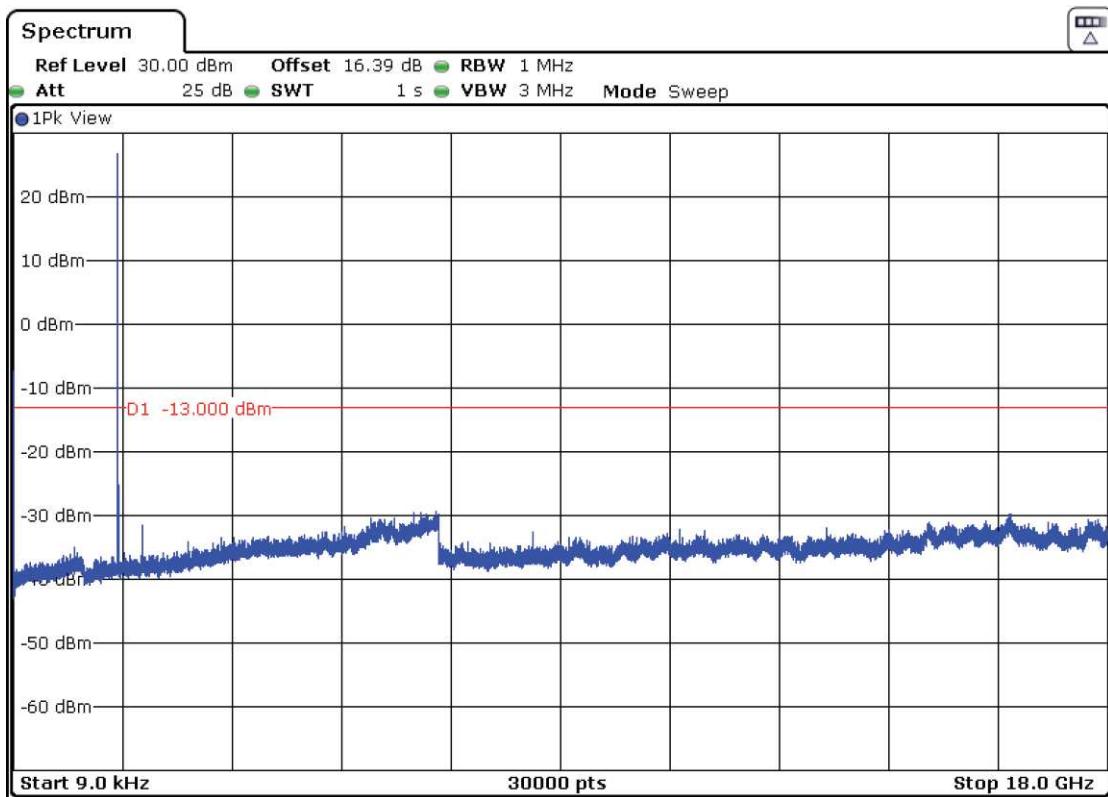


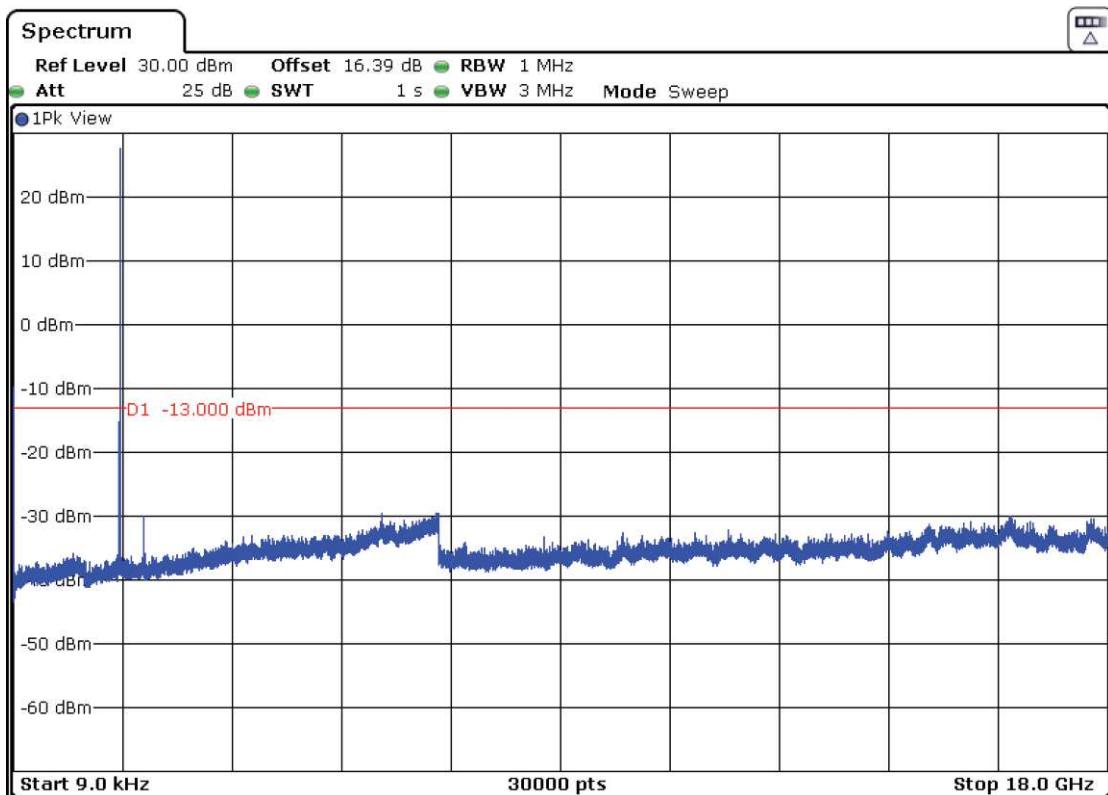
LTE Band 66. QPSK MODULATION. BW = 1.4 MHz.

Lowest Channel:



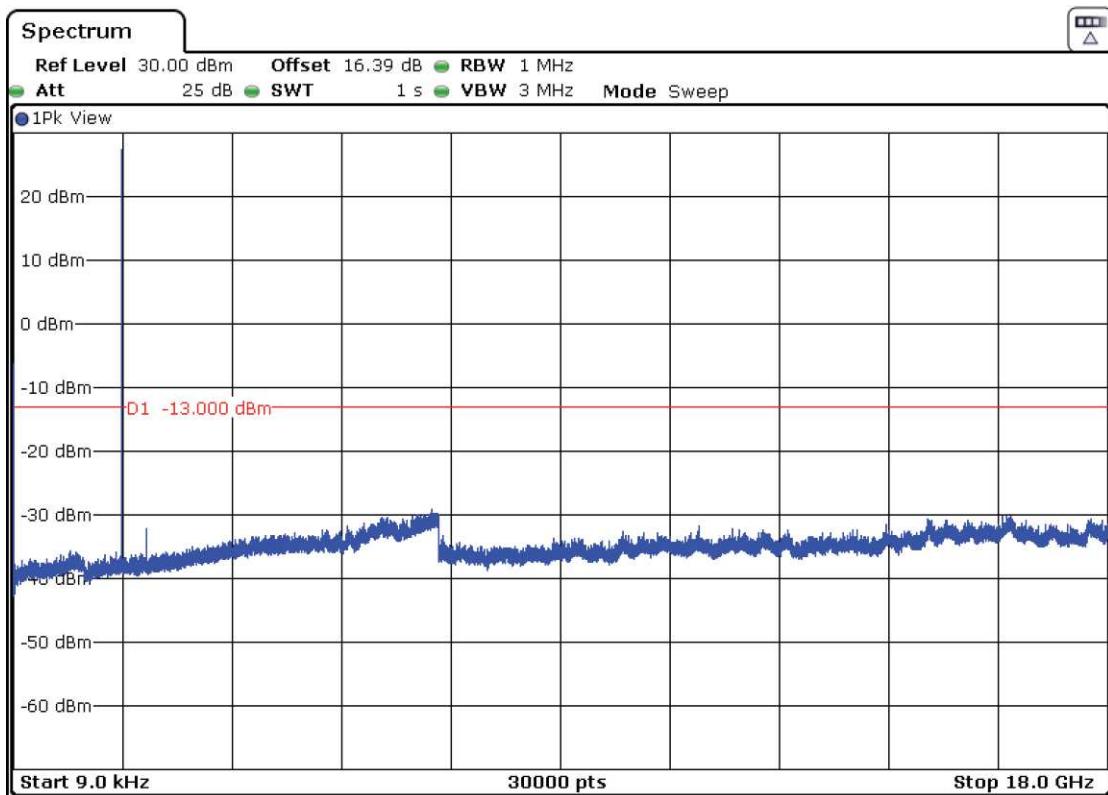
The peak above the limit is the carrier frequency.

Middle Channel:



The peak above the limit is the carrier frequency.

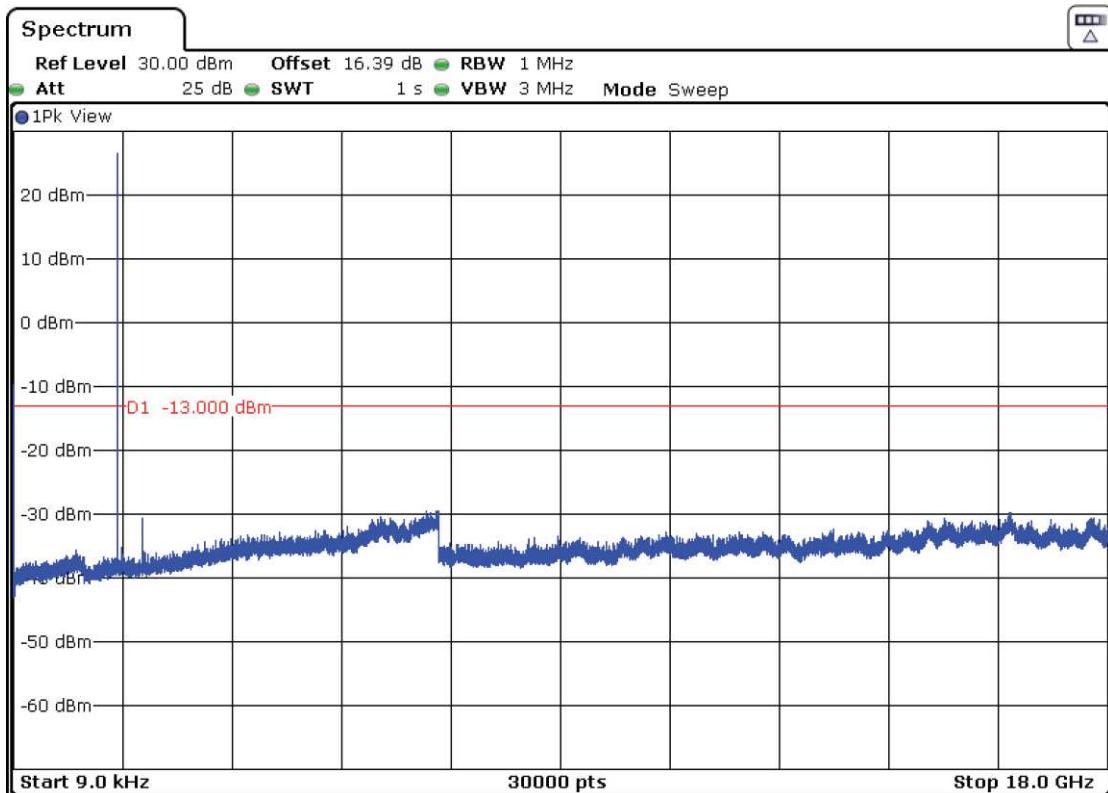
Highest Channel:



The peak above the limit is the carrier frequency.

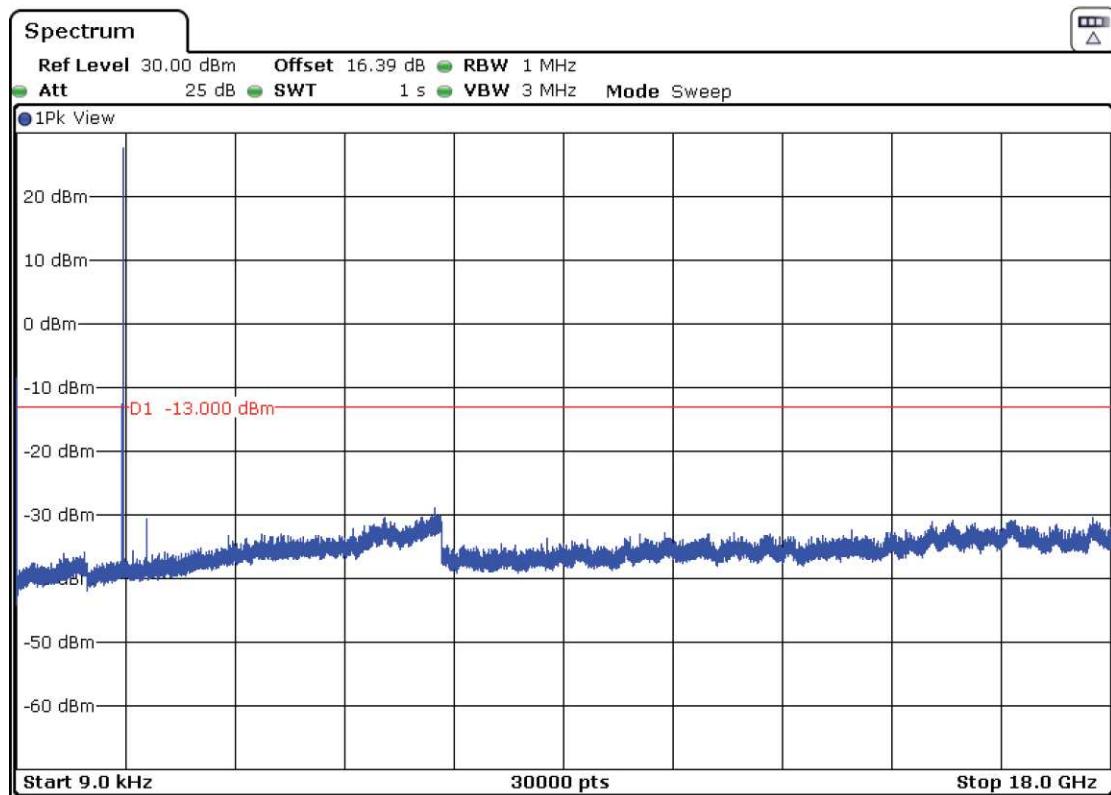
LTE Band 66. QPSK MODULATION. BW = 3 MHz.

Lowest Channel:



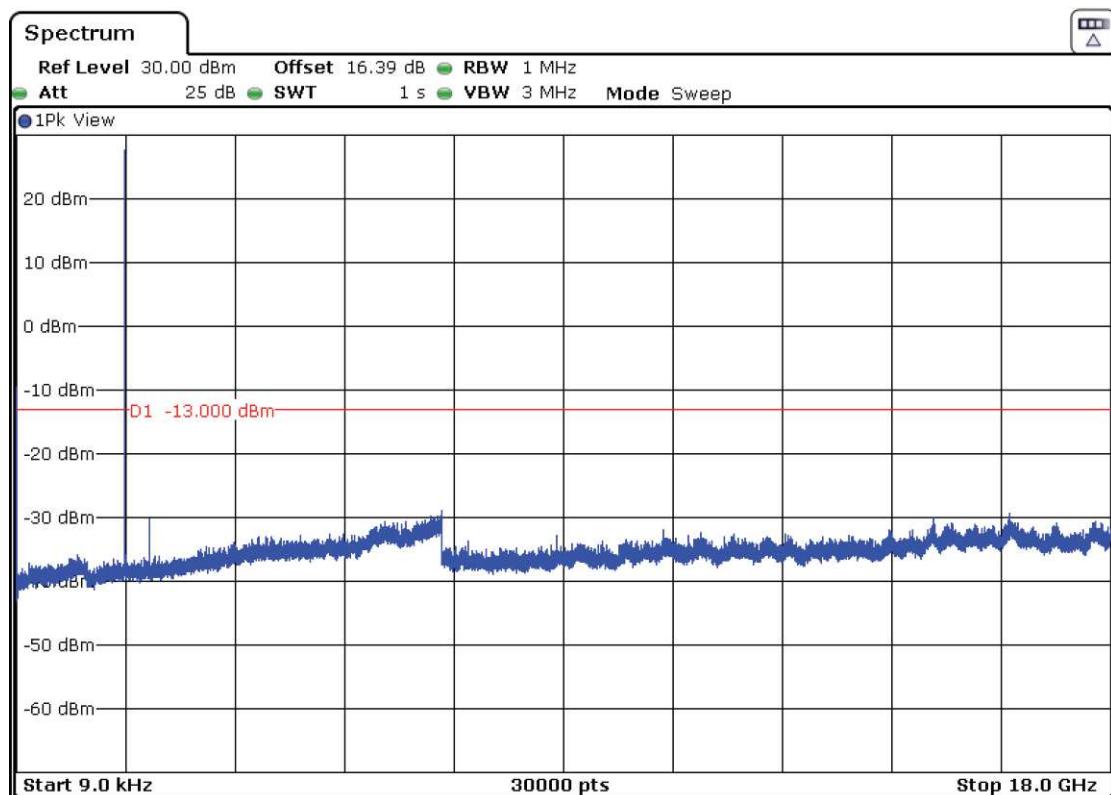
The peak above the limit is the carrier frequency.

Middle Channel:



The peak above the limit is the carrier frequency.

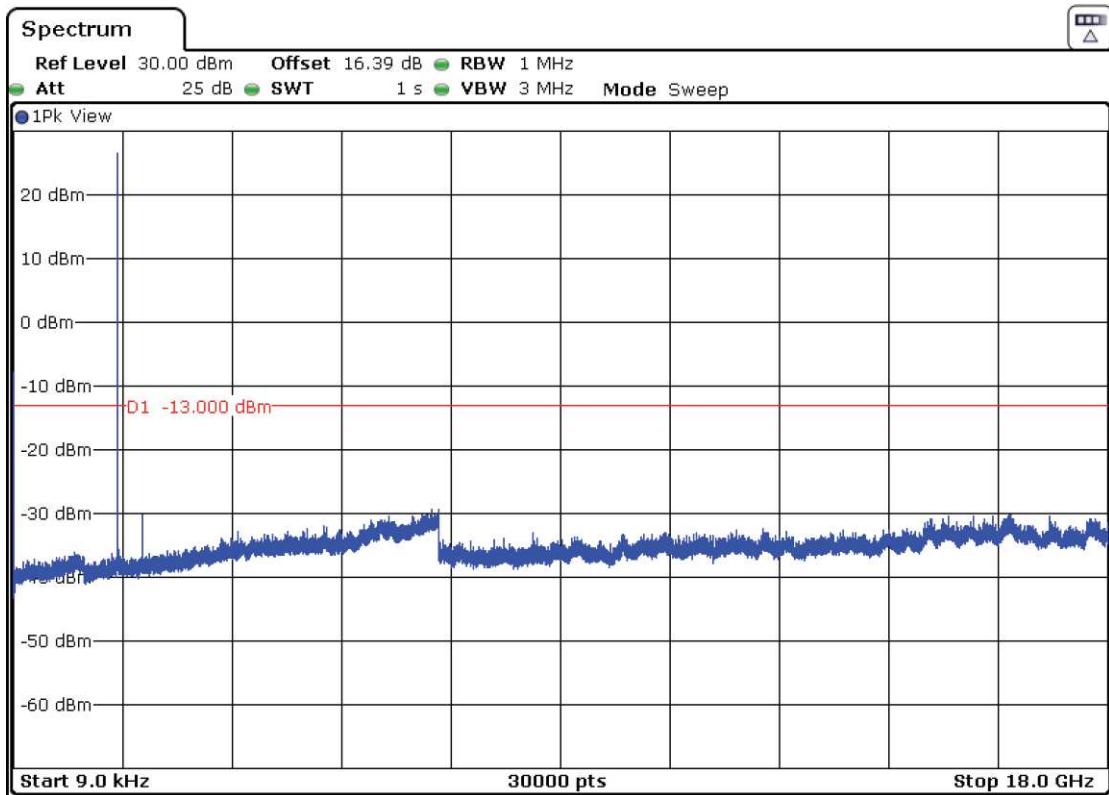
Highest Channel:



The peak above the limit is the carrier frequency.

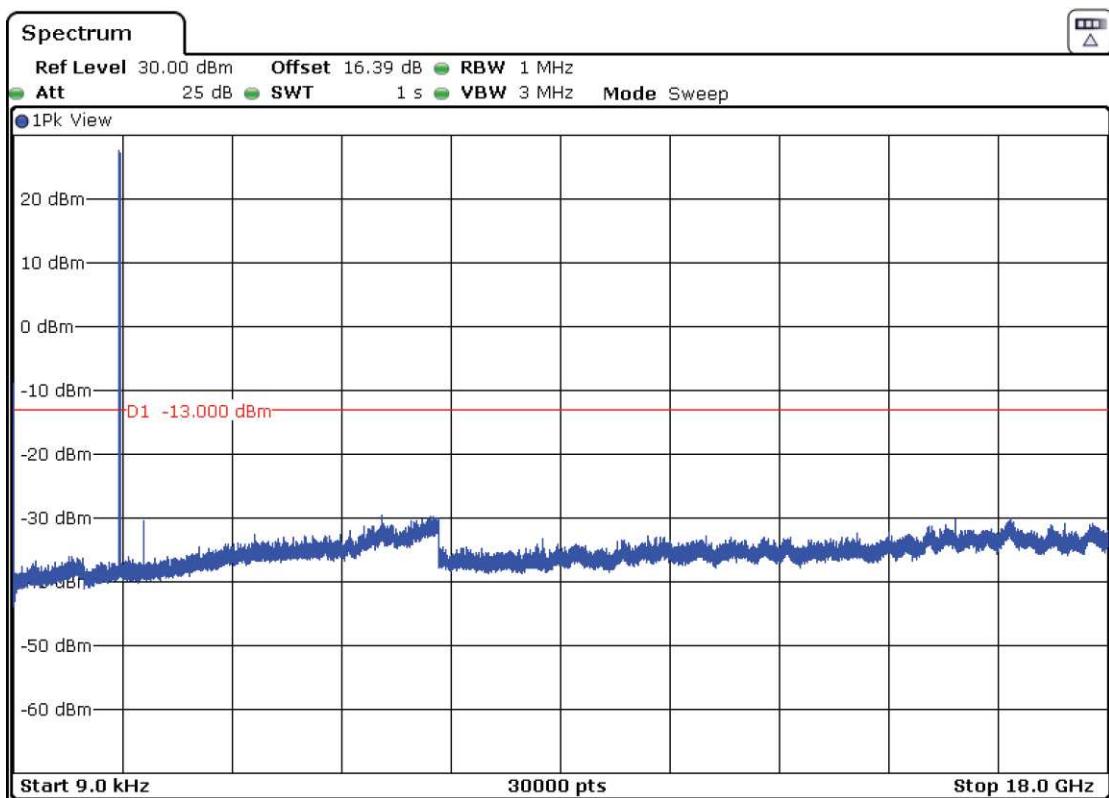
LTE Band 66. QPSK MODULATION. BW = 5 MHz.

Lowest Channel:



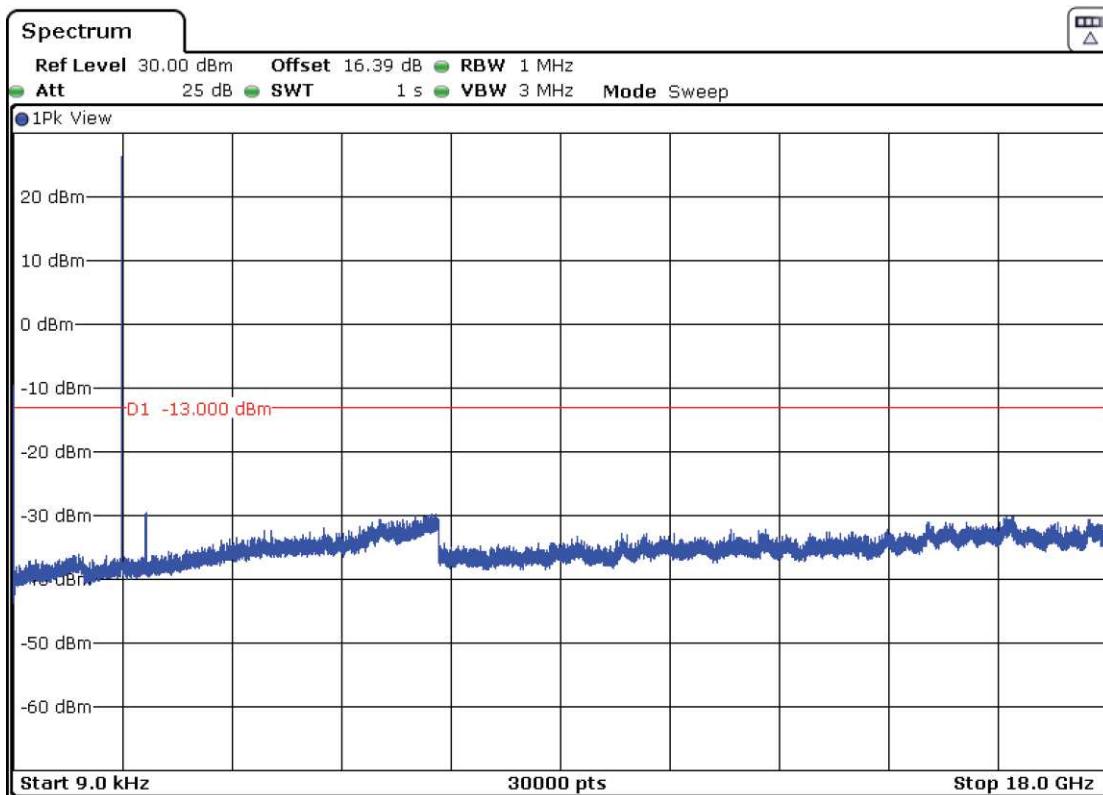
The peak above the limit is the carrier frequency.

Middle:



The peak above the limit is the carrier frequency.

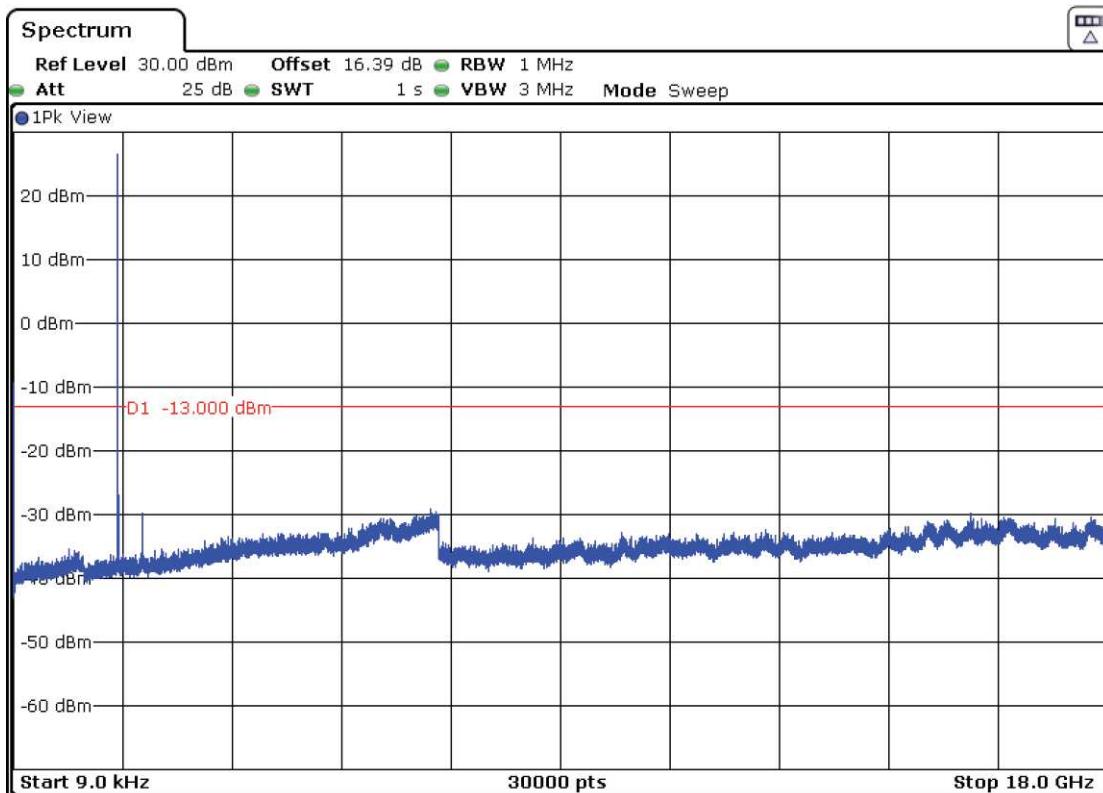
Highest Channel:



The peak above the limit is the carrier frequency.

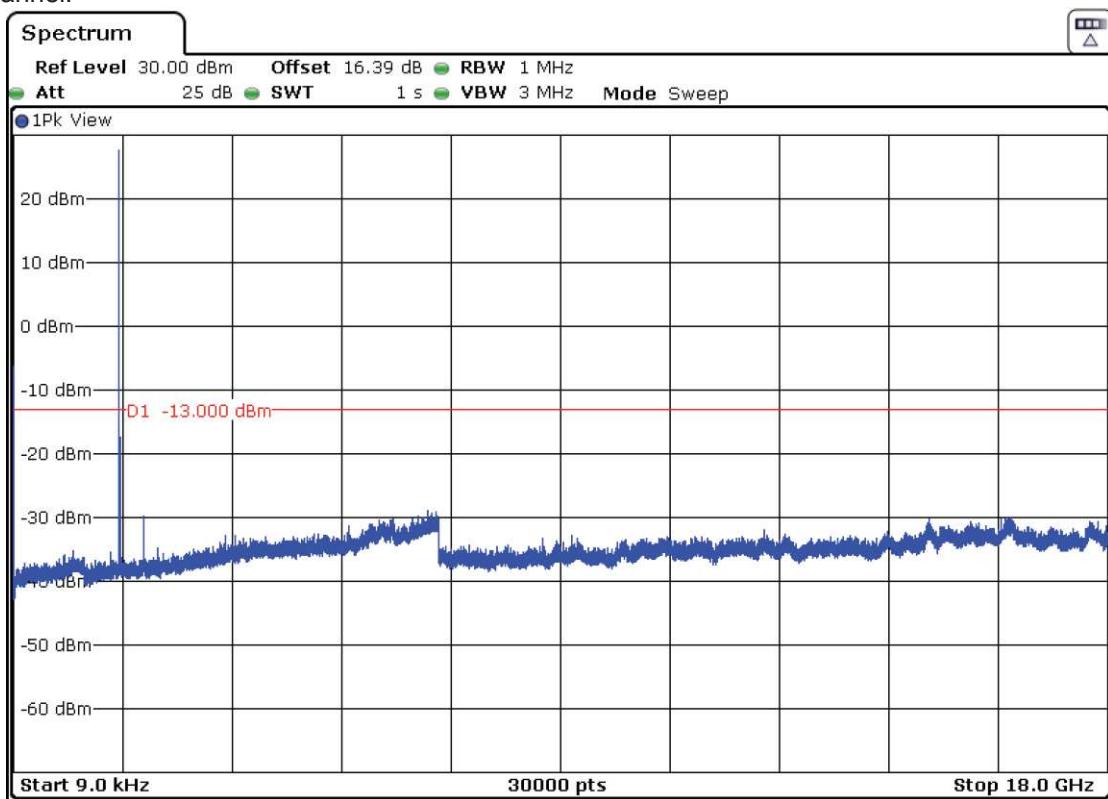
LTE Band 66. QPSK MODULATION. BW = 10 MHz.

Lowest Channel:



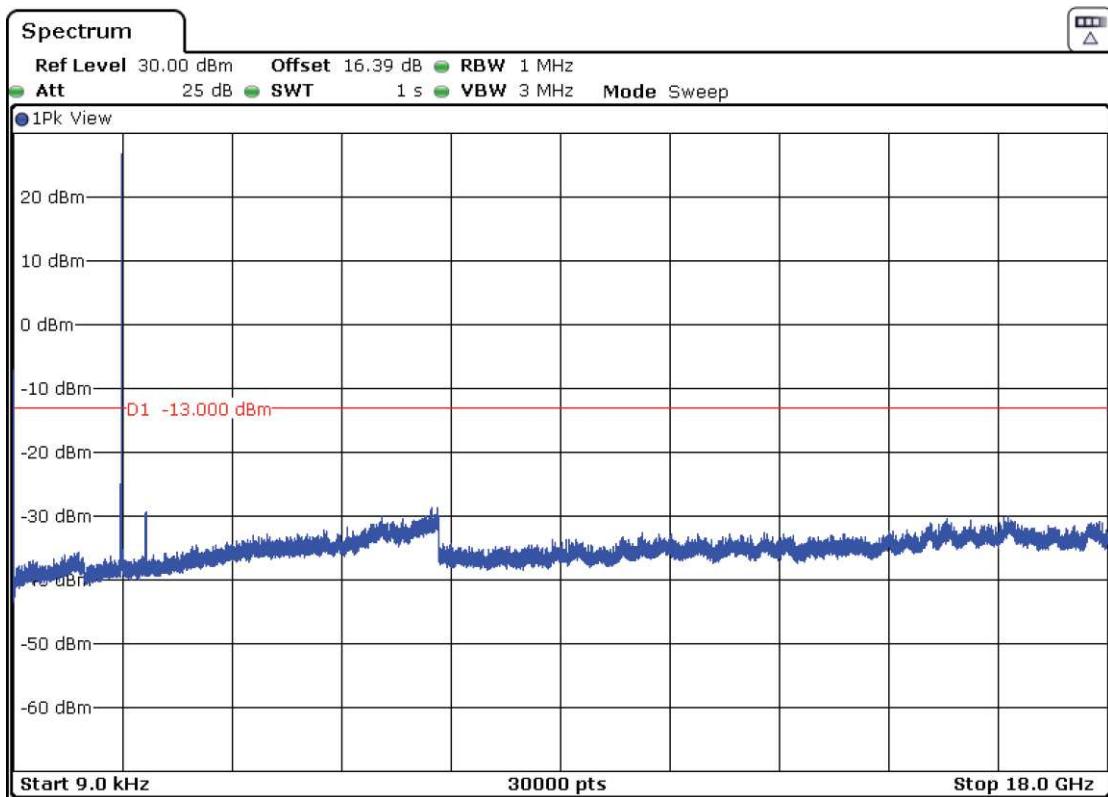
The peak above the limit is the carrier frequency.

Middle Channel:



The peak above the limit is the carrier frequency.

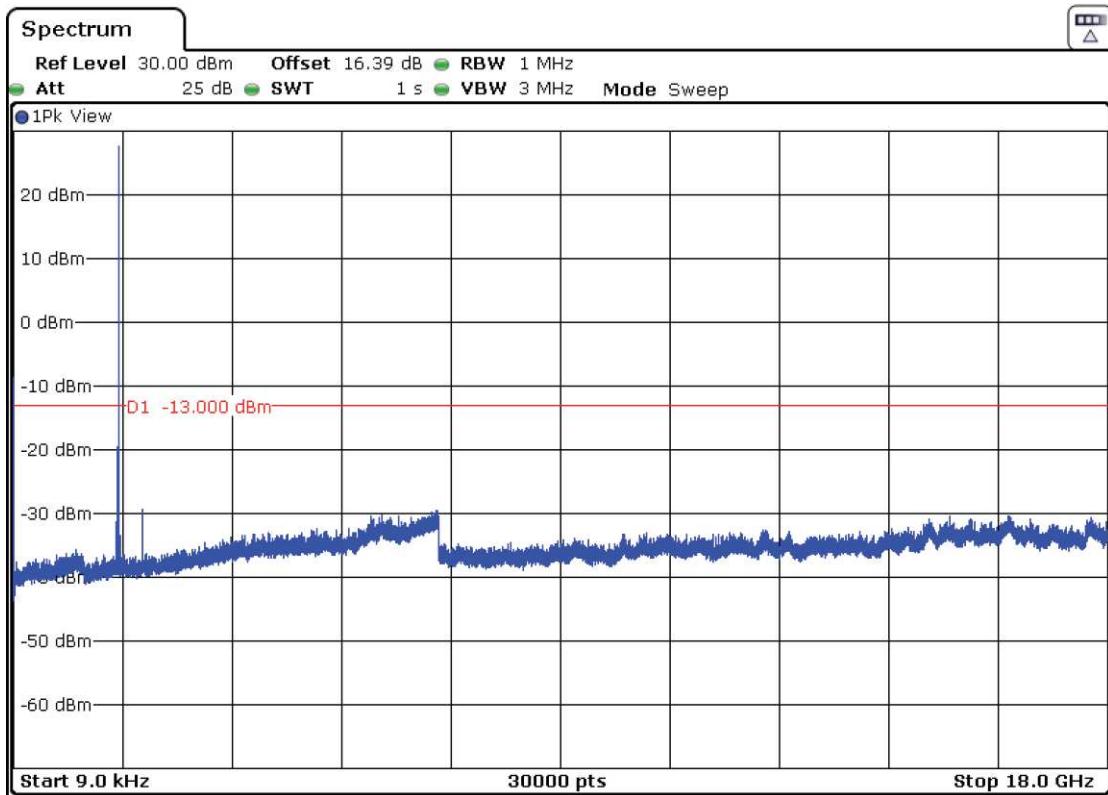
Highest Channel:



The peak above the limit is the carrier frequency.

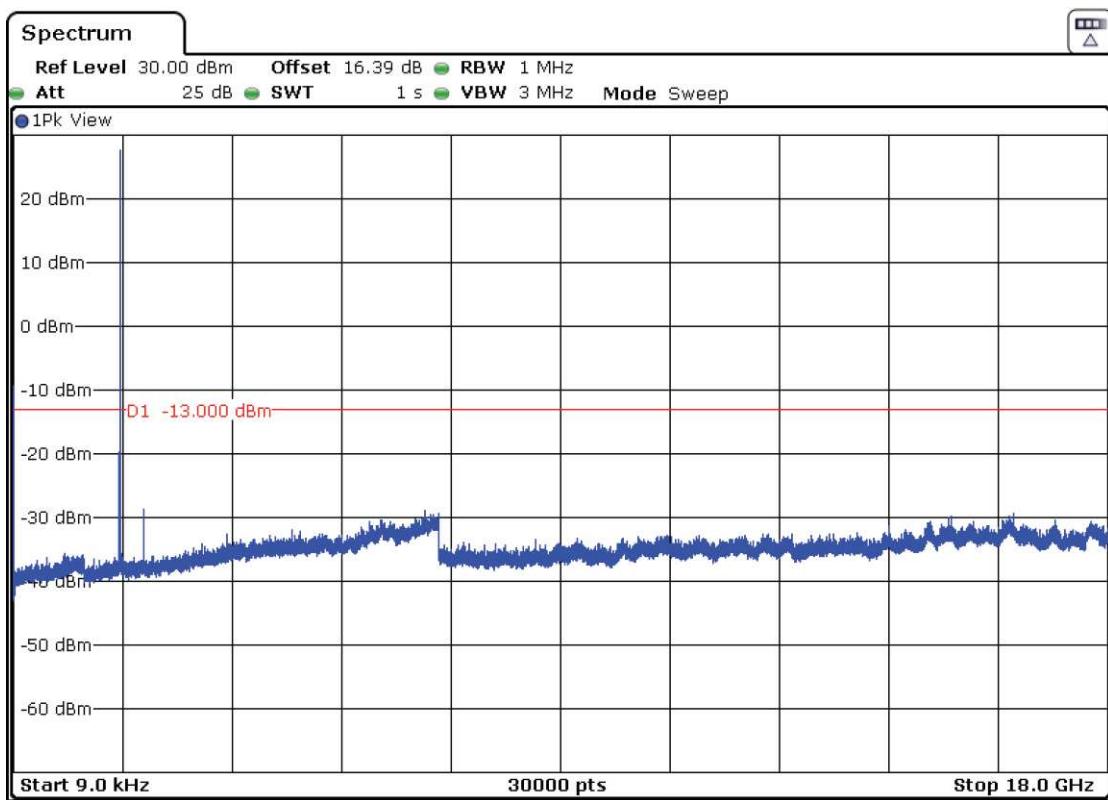
LTE Band 66. QPSK MODULATION. BW = 15 MHz.

Lowest Channel:



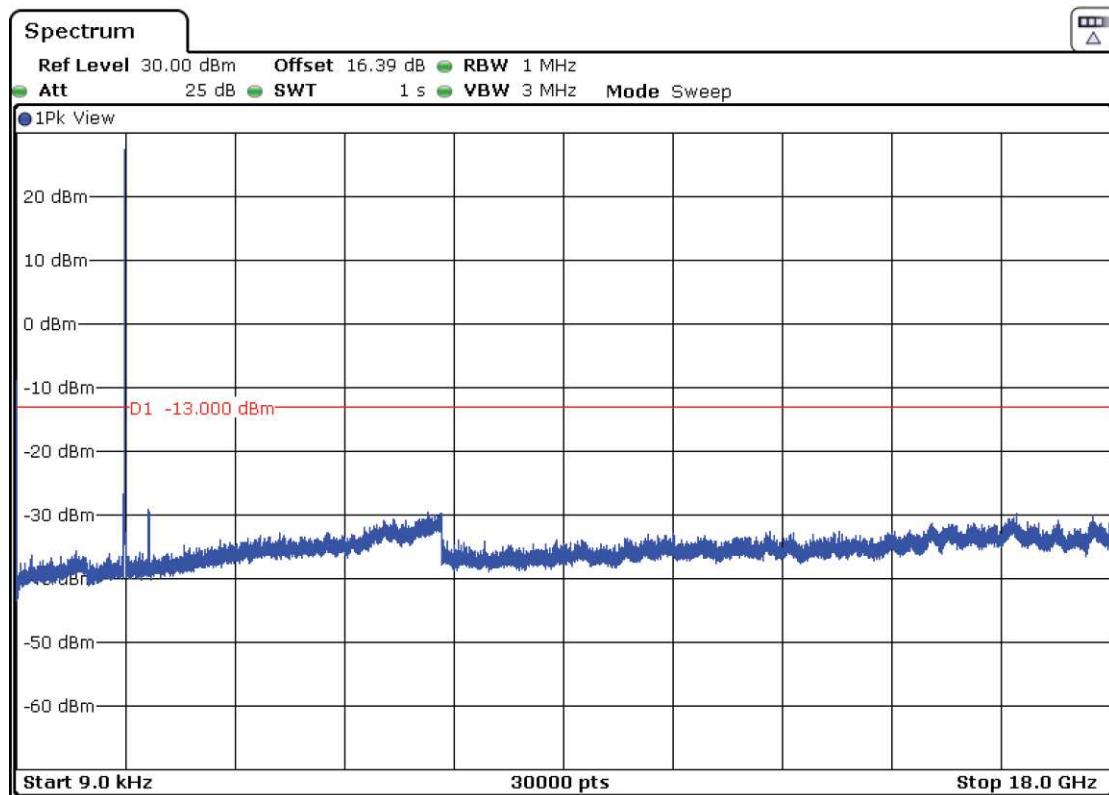
The peak above the limit is the carrier frequency.

Middle Channel:



The peak above the limit is the carrier frequency.

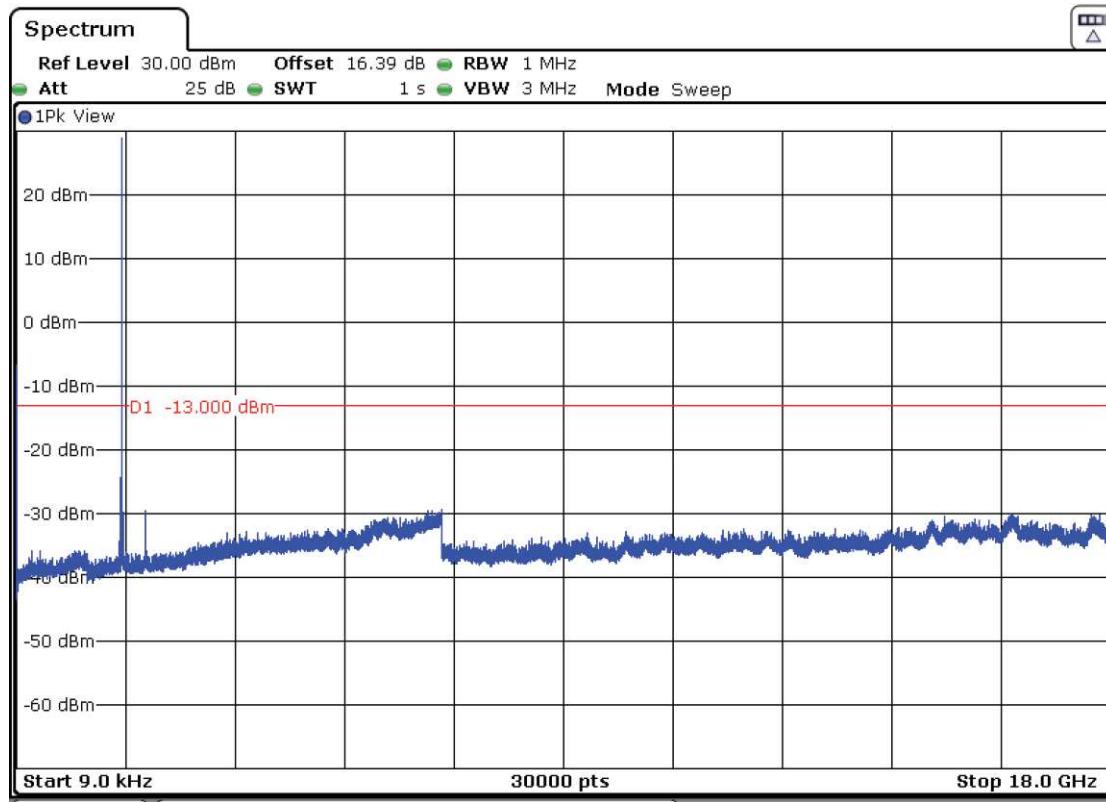
Highest Channel:



The peak above the limit is the carrier frequency.

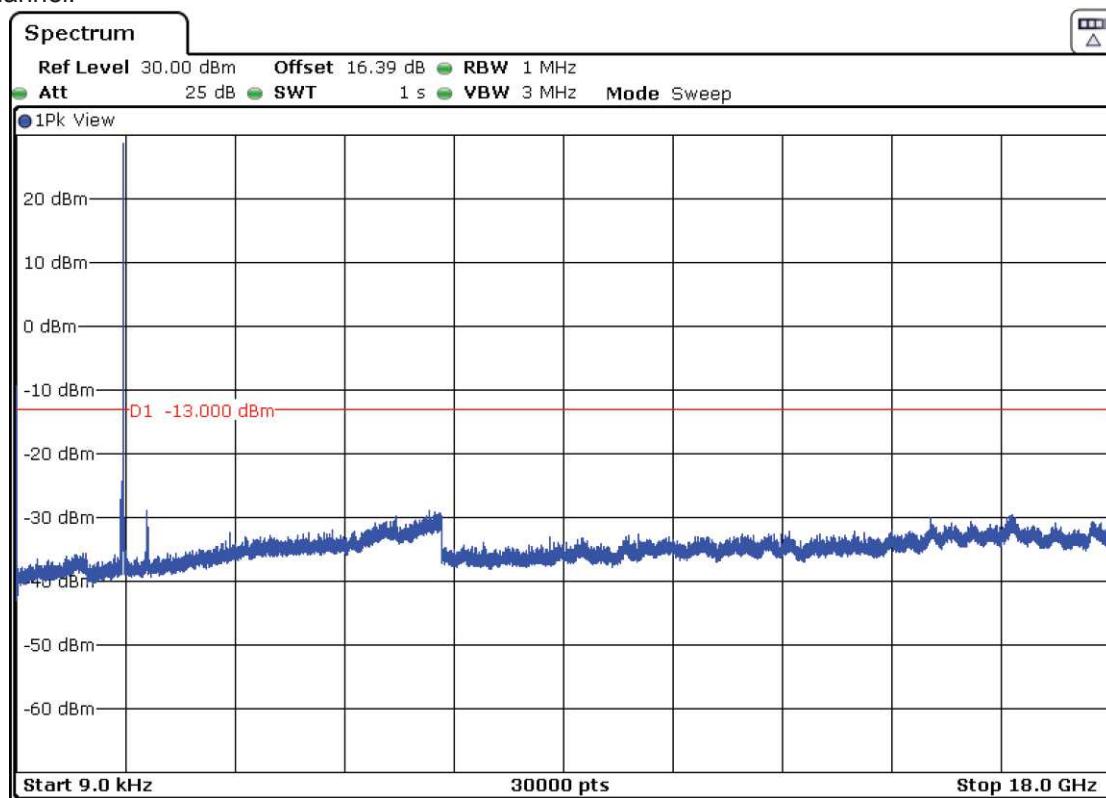
LTE Band 66. QPSK MODULATION. BW = 20 MHz.

Lowest Channel:



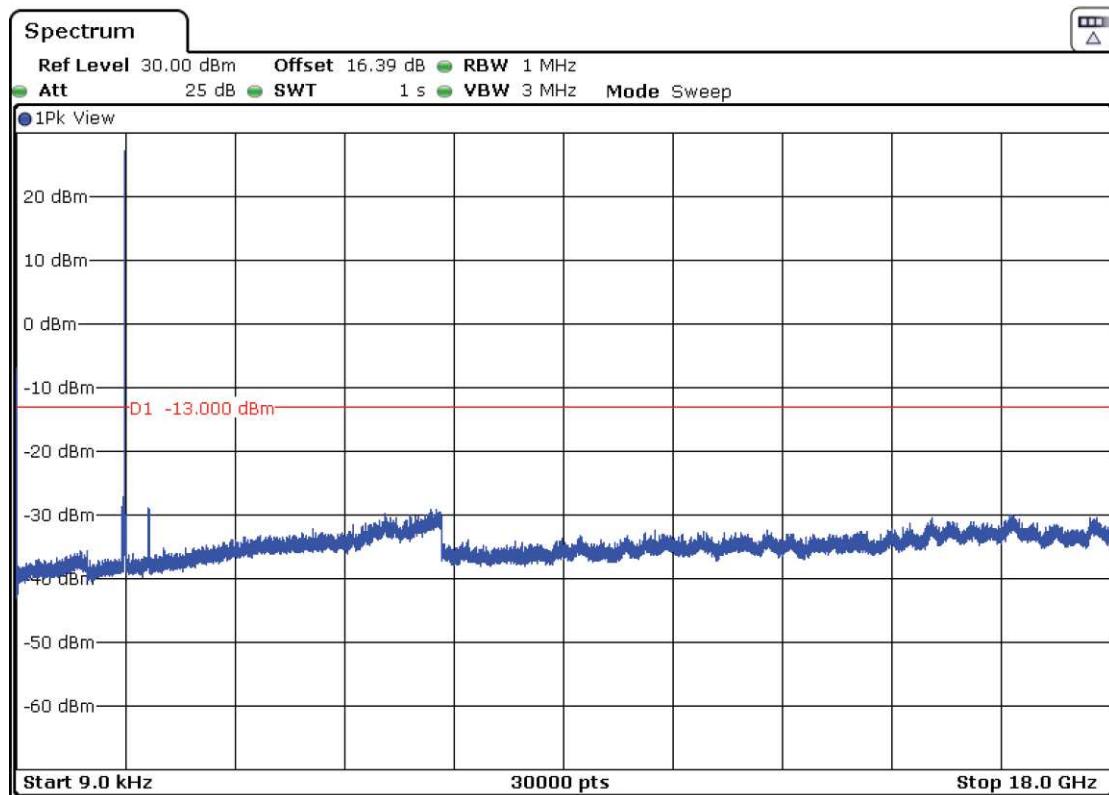
The peak above the limit is the carrier frequency.

Middle Channel:



The peak above the limit is the carrier frequency.

Highest Channel:



The peak above the limit is the carrier frequency.

Spurious emissions at antenna terminals at Block Edges

SPECIFICATION:

FCC §27.53 (h):

According to specification. the power of emissions shall be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. P in watts.

At P_o transmitting power. the specified minimum attenuation becomes $43+10\log (P_o)$. and the level in dBm relative P_o becomes:

$$P_o (\text{dBm}) - [43 + 10 \log (P_o \text{ in mwatts}) - 30] = -13 \text{ dBm}$$

FCC §27.53 (m) (4) & (6):

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC §27.53 (g):

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC §27.53 (c) (2) & (4):

For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.

On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

FCC §27.53 (a) (4) & (5):

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz;

By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz;

By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz.

RSS-139 Clause 6.6:

In the first 1.0 MHz bands immediately outside and adjacent to the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB.

After the first 1.0 MHz outside the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least $43 + 10 \log_{10} p$ (watts) dB.

RSS-199 Clause 4.5:

In the 1 MHz band immediately outside and adjacent to the channel edge, the unwanted emission power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth for base station and fixed subscriber equipment, and 2% for mobile subscriber equipment. Beyond the 1 MHz band, a resolution bandwidth of 1 MHz shall be used. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz, or 1% or 2% of the occupied bandwidth, as applicable.

Equipment shall comply with the following unwanted emission limits:

- a. for base station and fixed subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$
- b. for mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least:
 - i. $40 + 10 \log_{10} p$ from the channel edges to 5 MHz away
 - ii. $43 + 10 \log_{10} p$ between 5 MHz and X MHz from the channel edges, and
 - iii. $55 + 10 \log_{10} p$ at X MHz and beyond from the channel edges

In addition, the attenuation shall not be less than $43 + 10 \log_{10} p$ on all frequencies between 2490.5 MHz and 2496 MHz, and $55 + 10 \log_{10} p$ at or below 2490.5 MHz.

In (a) and (b), p is the transmitter power measured in watts and X is 6 MHz or the equipment occupied bandwidth, whichever is greater.

RSS-130 Clause 4.6:

4.6.1 General

The transmitter output power shall be measured in terms of average power. In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

4.6.2 Frequency bands 617-652 MHz and 663-698 MHz

The e.r.p. shall not exceed 3 watts for mobile equipment, fixed subscriber equipment and portable equipment.

For base and fixed equipment other than fixed subscriber equipment, refer to SRSP-518 for the equivalent isotropically radiated power (e.i.r.p.) limits.

4.6.3 Frequency bands 698-756 MHz and 777-787 MHz

The e.r.p. shall not exceed 30 watts for mobile equipment and outdoor fixed subscriber equipment. The e.r.p. shall not exceed 3 watts for portable equipment and indoor fixed subscriber equipment.

For base and fixed equipment other than fixed subscriber equipment, refer to SRSP-518 for the e.i.r.p. limits.

METHOD:

The EUT RF output connector was connected to a spectrum analyser and to the Universal Radio Communication tester R&S CMW500 (selecting maximum transmission power of the EUT and different modes of modulation) using a 50 Ohm attenuator and a power splitter.

The reading of the spectrum analyser is corrected with the attenuation loss of connection between output terminal of EUT and input of the spectrum analyser.

The configuration of modulation which is the worst case for conducted power was used.

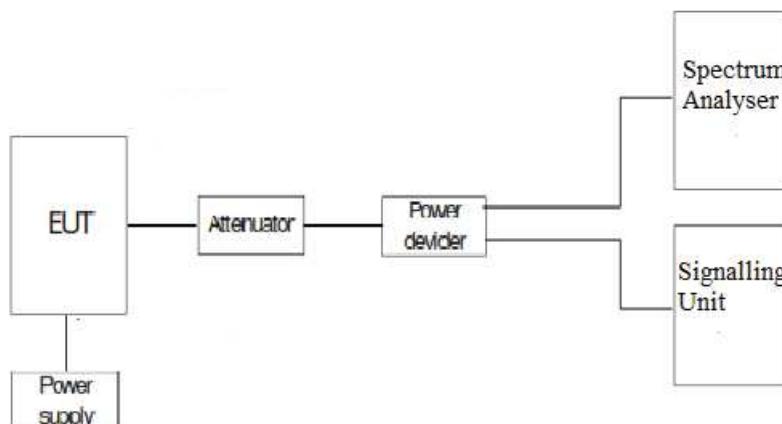
For WCDMA IV and LTE Band 66, as indicated in FCC part 27.53 (h) (5) /RSS-139 Clause 6.6., in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth/occupied bandwidth of the fundamental emission of the transmitter may be employed.

For LTE Band 30, as indicated in FCC part 27.53 (h) (5), in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth/occupied bandwidth of the fundamental emission of the transmitter may be employed.

For LTE Band 12 and LTE 13, as indicated in FCC part 27.53 (c) (5) and FCC part 27.53 (g) /RSS-130 Clause 4.6., in the 100 kHz bands immediately outside and adjacent to the licensee's frequency block or band, a resolution bandwidth of 30 kHz may be employed.

For LTE Band 7 and LTE Band 38, as indicated in FCC part 27.53 (m) (4) (6) /RSS-199 Clause 4.5., in the mask as defined on the FCC and RSS standard, a resolution bandwidth of 1MHz may be employed.

TEST SETUP:



RESULTS:3G Band IV. WCDMA and HSUPA MODULATIONS.

MODULATION:	WCDMA	HSUPA
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-19.39	-21.61

MODULATION:	WCDMA	HSUPA
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-13.88	-14.47

LTE Band 7.

LTE QPSK MODULATION:	RB=1, Offset=0, BW=5 MHz	RB=1 , Offset =0, BW = 10 MHz	RB=1, Offset=0, BW=15 MHz	RB=1 , Offset =0, BW = 20 MHz
Maximum measured level at <u>Lowest Channel Edge</u> at antenna port (dBm)	-15.75	-27.68	-37.93	-41.36

LTE QPSK MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz	RB=All, Offset=0, BW=15 MHz	RB=All, Offset=0, BW = 20 MHz
Maximum measured level at <u>Lowest Channel Edge</u> at antenna port (dBm)	-24.94	-25.83	-27.09	-24.50

LTE QPSK MODULATION:	RB=1, Offset=Max, BW=5 MHz	RB=1 , Offset =Max, BW = 10 MHz	RB=1, Offset =Max, BW=15 MHz	RB=1 , Offset =Max, BW = 20 MHz
Maximum measured level at <u>Highest Channel Edge</u> at antenna port (dBm)	-15.94	-27.54	-38.49	-42.18

LTE QPSK MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz	RB=All, Offset=0, BW=15 MHz	RB=All, Offset=0, BW = 20 MHz
Maximum measured level at <u>Highest Channel Edge</u> at antenna port (dBm)	-26.98	-26.92	-24	-24.23

LTE Band 12.

LTE QPSK MODULATION:	RB=1, Offset=0, BW=1.4 MHz	RB=1 , Offset =0, BW = 3 MHz	RB=1, Offset=0, BW=5 MHz	RB=1 , Offset =0, BW = 10 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-52.25	-39.59	-50.15	-57.64

LTE QPSK MODULATION:	RB=All, Offset=0, BW=1.4 MHz	RB=All, Offset=0, BW = 3 MHz	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-40.17	-40.57	-37.02	-35.31

LTE QPSK MODULATION:	RB=1, Offset=Max, BW=1.4 MHz	RB=1 , Offset =Max, BW = 3 MHz	RB=1, Offset =Max, BW=5 MHz	RB=1 , Offset =Max, BW = 10 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-29.82	-17.1	-23.14	-33.57

LTE QPSK MODULATION:	RB=All, Offset=0, BW=1.4 MHz	RB=All, Offset=0, BW = 3 MHz	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-30.31	-24.11	-29.29	-30.31

LTE Band 13.

LTE QPSK MODULATION:	RB=1, Offset=0, BW=5 MHz	RB=1 , Offset =0, BW = 10 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-20.37	-28.79

LTE QPSK MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-20.19	-24.01

LTE QPSK MODULATION:	RB=1, Offset =Max, BW=5 MHz	RB=1 , Offset =Max, BW = 10 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-31.55	-29.7

LTE QPSK MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-29.76	-23.98

LTE Band 30.

LTE QPSK MODULATION:	RB=1, Offset=0, BW=5 MHz	RB=1 , Offset =0, BW = 10 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-24.13	-32.20

LTE QPSK MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-31.49	-33.30

LTE QPSK MODULATION:	RB=1, Offset =Max, BW=5 MHz	RB=1 , Offset =Max, BW = 10 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-25.14	-34.39

LTE QPSK MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-31.08	-34.05

LTE 16QAM MODULATION:	RB=1, Offset=0, BW=5 MHz	RB=1 , Offset =0, BW = 10 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-25.57	-33.87

LTE 16QAM MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-33.47	-34.84

LTE 16QAM MODULATION:	RB=1, Offset =Max, BW=5 MHz	RB=1 , Offset =Max, BW = 10 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-25.58	-35.05

LTE 16QAM MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-32.34	-34.37

LTE Band 38.

LTE QPSK MODULATION:	RB=1, Offset=0, BW=5 MHz	RB=1 , Offset =0, BW = 10 MHz	RB=1, Offset=0, BW=15 MHz	RB=1 , Offset =0, BW = 20 MHz
Maximum measured level at <u>Lowest Channel Edge</u> at antenna port (dBm)	-15.94	-27.34	-47.27	-40.25

LTE QPSK MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz	RB=All, Offset=0, BW=15 MHz	RB=All, Offset=0, BW = 20 MHz
Maximum measured level at <u>Lowest Channel Edge</u> at antenna port (dBm)	-25.11	-29.83	-29.34	-28.54

LTE QPSK MODULATION:	RB=1, Offset=Max, BW=5 MHz	RB=1 , Offset =Max, BW = 10 MHz	RB=1, Offset =Max, BW=15 MHz	RB=1 , Offset =Max, BW = 20 MHz
Maximum measured level at <u>Highest Channel Edge</u> at antenna port (dBm)	-15.66	-27.37	-37.03	-40.40

LTE QPSK MODULATION:	RB=All, Offset=0, BW=5 MHz	RB=All, Offset=0, BW = 10 MHz	RB=All, Offset=0, BW=15 MHz	RB=All, Offset=0, BW = 20 MHz
Maximum measured level at <u>Highest Channel Edge</u> at antenna port (dBm)	-24.71	-28.57	-28.72	-28.26

LTE Band 66.

LTE QPSK MODULATION:	RB=1, Offset=0, BW=1.4 MHz	RB=1, Offset=0, BW=3 MHz	RB=1, Offset=0, BW=5 MHz	RB=1, Offset =0, BW = 10 MHz	RB=1, Offset=0, BW=15 MHz	RB=1 , Offset =0, BW = 20 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-29.21	-17.44	-23.51	-32.71	-34.63	-33.84

LTE QPSK MODULATION:	RB=All, Offset=0, BW=1.4 MHz	RB=All, Offset=0, BW=3 MHz	RB=All, Offset=0, BW=5 MHz	RB=All, Offset =0, BW = 10 MHz	RB=All, Offset=0, BW=15 MHz	RB=All, Offset =0, BW = 20 MHz
Maximum measured level at <u>Lowest Block Edge</u> at antenna port (dBm)	-35.94	-25.51	-29.07	-29.64	-27.26	-32.9

LTE QPSK MODULATION:	RB=1, Offset=Max, BW=1.4 MHz	RB=1, Offset=Max, BW=3 MHz	RB=1, Offset=Max, BW=5 MHz	RB=1, Offset =Max, BW = 10 MHz	RB=1, Offset=Max, BW=15 MHz	RB=1 , Offset =Max, BW = 20 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-33.69	-19.64	-25.14	-33.49	-33.32	-33.93

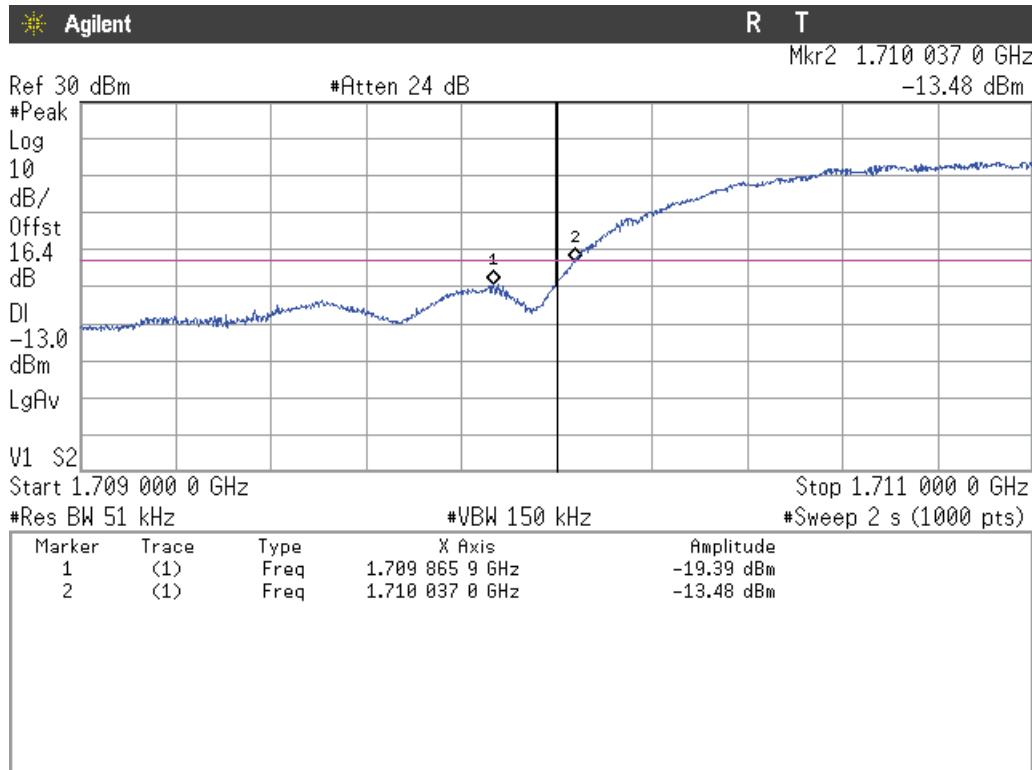
LTE QPSK MODULATION:	RB=All, Offset=0, BW=1.4 MHz	RB=All, Offset=0, BW=3 MHz	RB=All, Offset=0, BW=5 MHz	RB=All, Offset =0, BW = 10 MHz	RB=All, Offset=0, BW=15 MHz	RB=All, Offset =0, BW = 20 MHz
Maximum measured level at <u>Highest Block Edge</u> at antenna port (dBm)	-37.84	-25.28	-28.72	-29.89	-29.47	-33.39

Measurement uncertainty: ± 2.03 dB

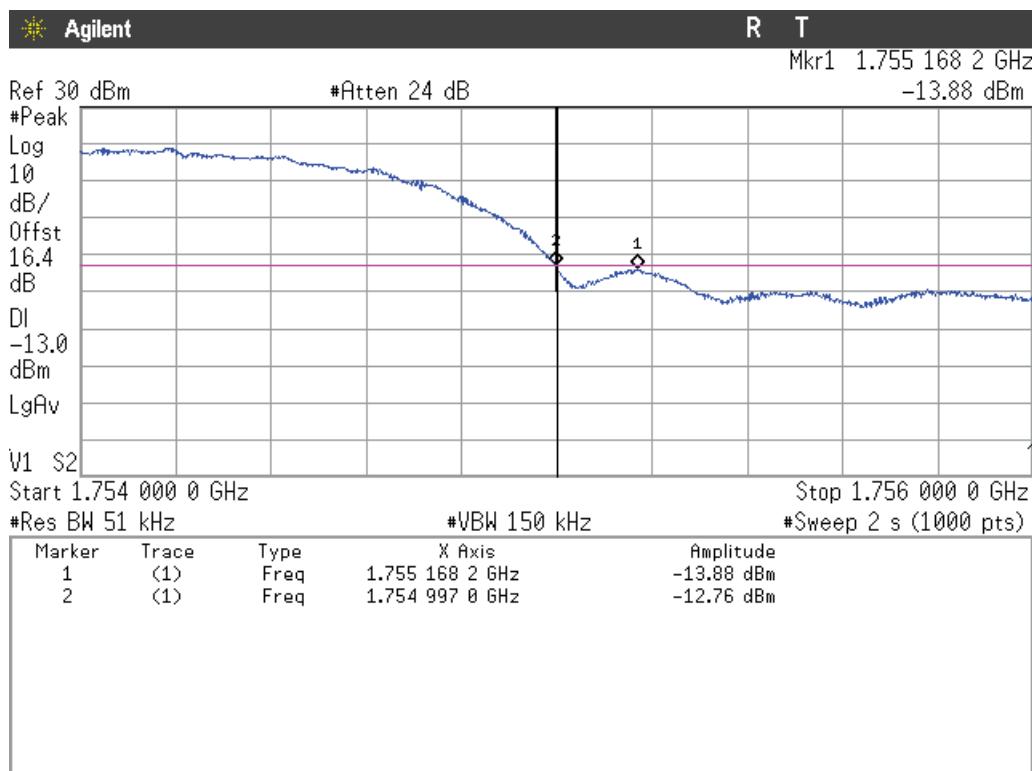
Verdict: PASS

3G Band IV. WCDMA MODULATION.

Lowest Channel:

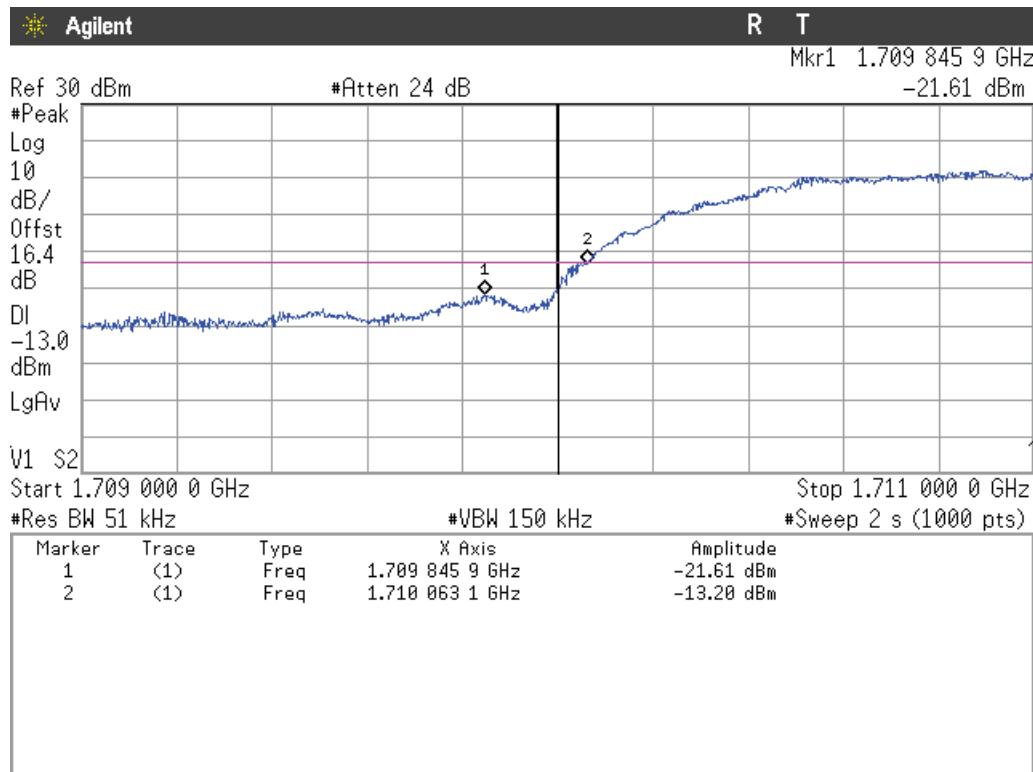


Highest Channel:

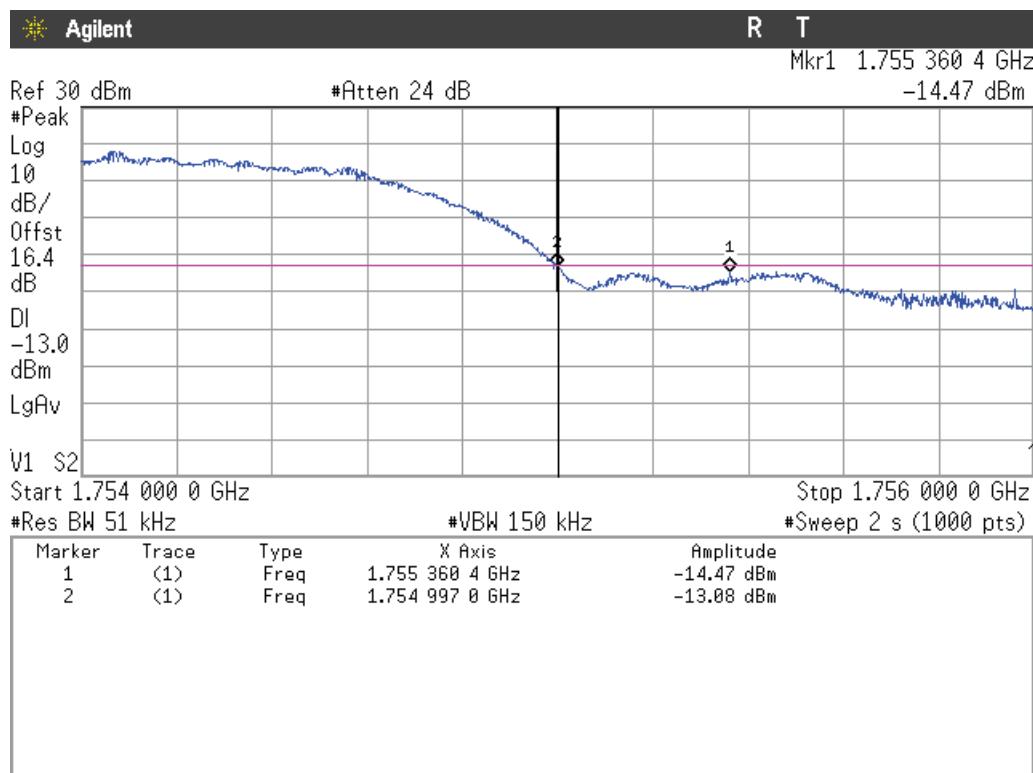


3G Band IV. HSUPA MODULATION.

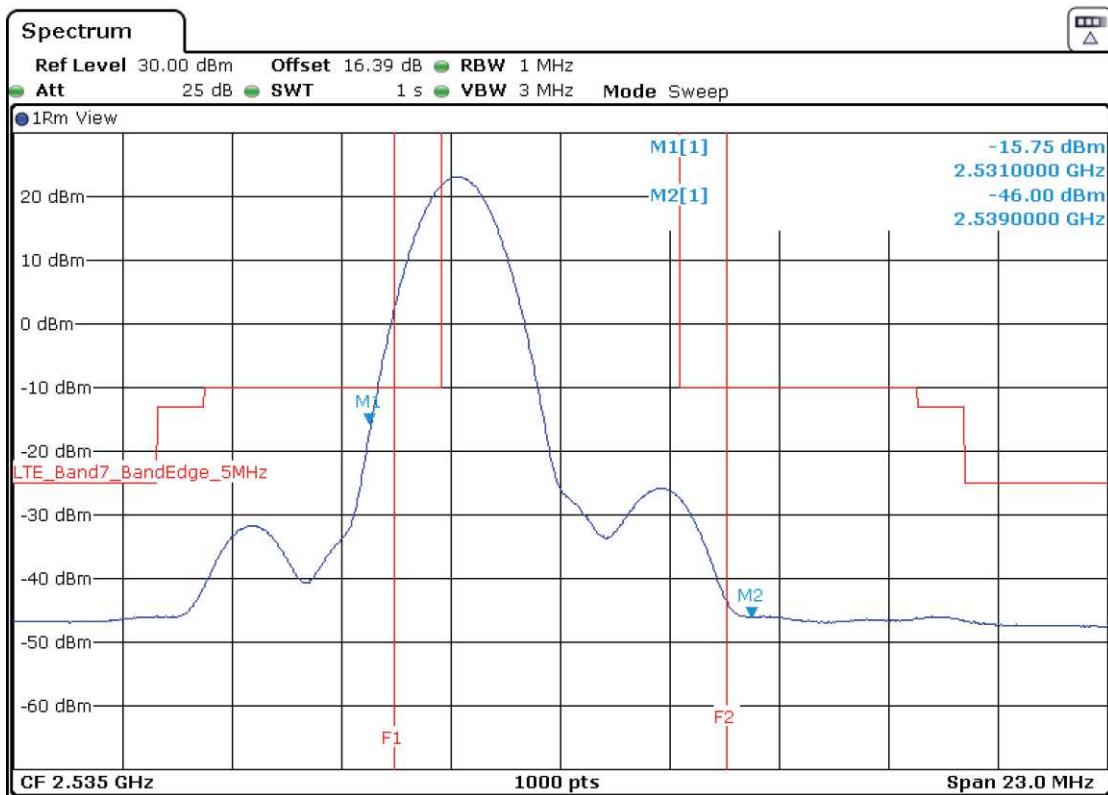
Lowest Channel:



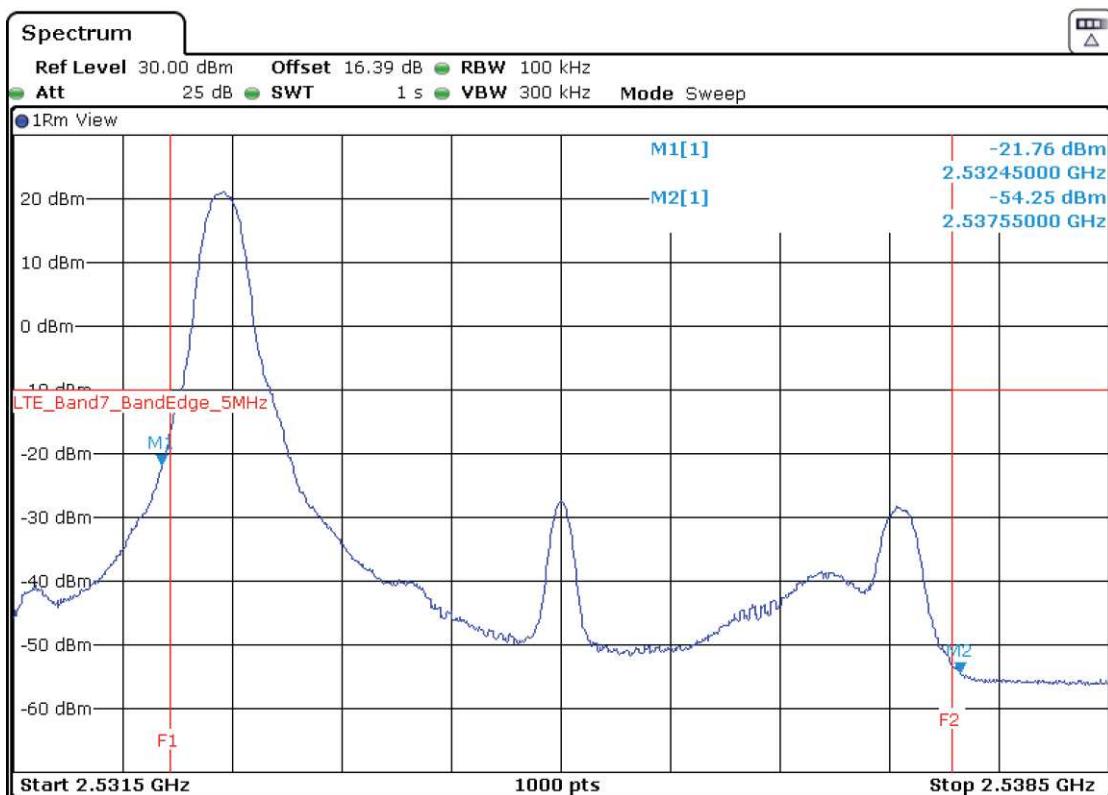
Highest Channel:



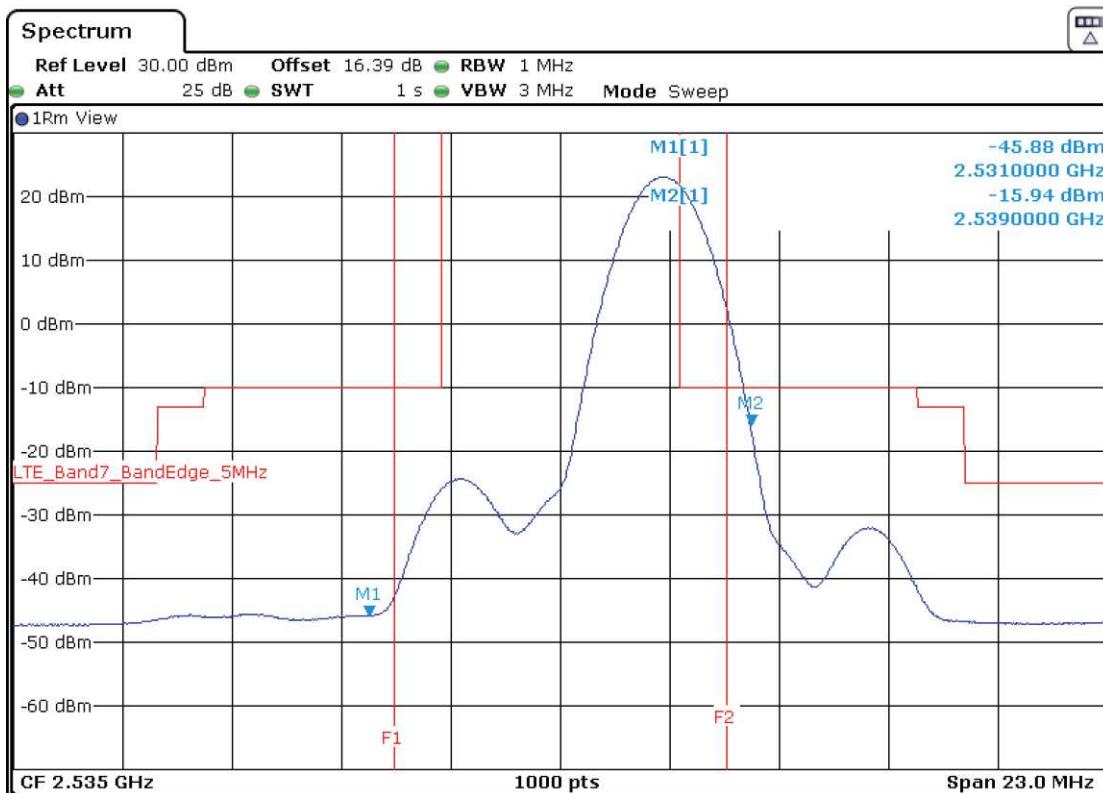
LTE Band 7. QPSK MODULATION. BW=5 MHz. RB=1. Offset=0. Lowest Channel Edge:



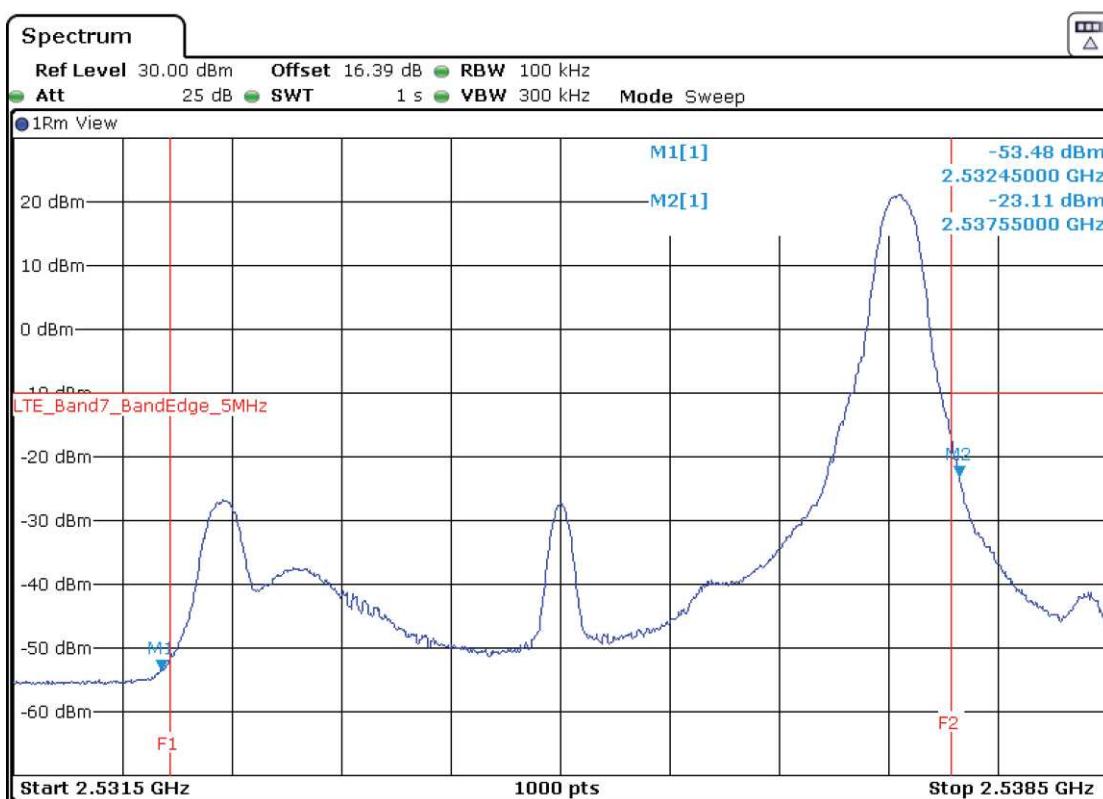
Additional zoom:



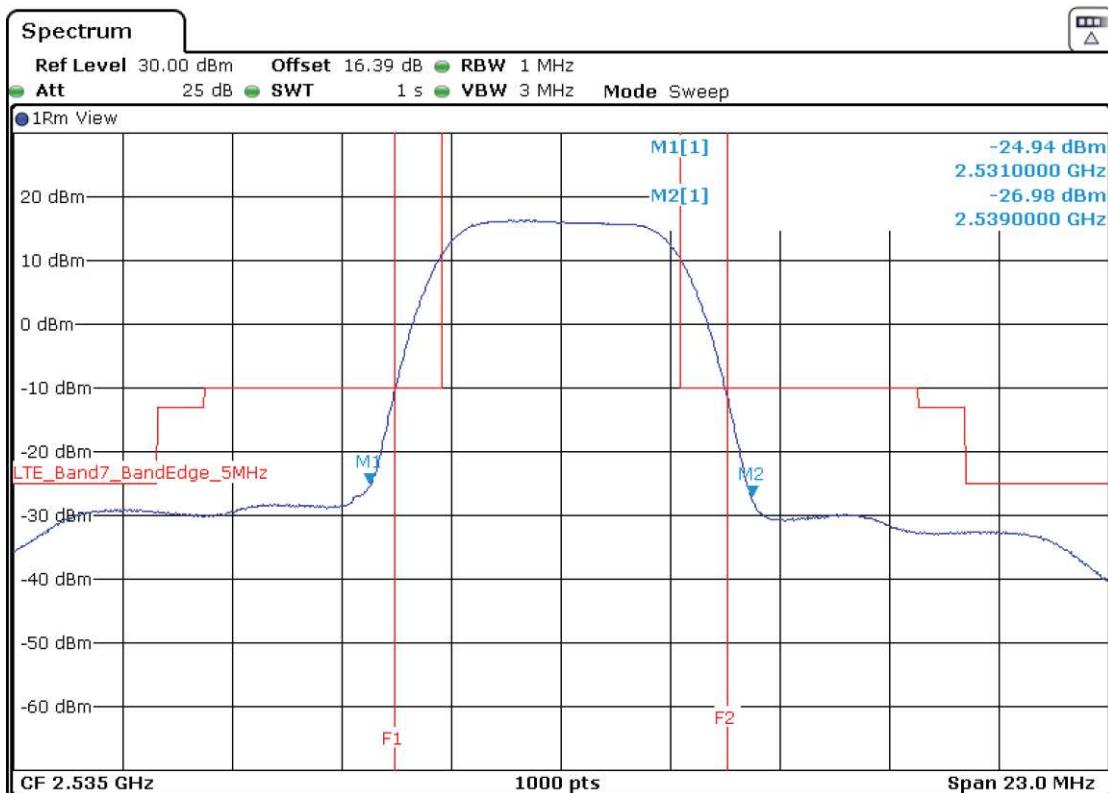
LTE Band 7. QPSK MODULATION. BW=5 MHz. RB=1. Offset=Max. Highest Channel Edge:



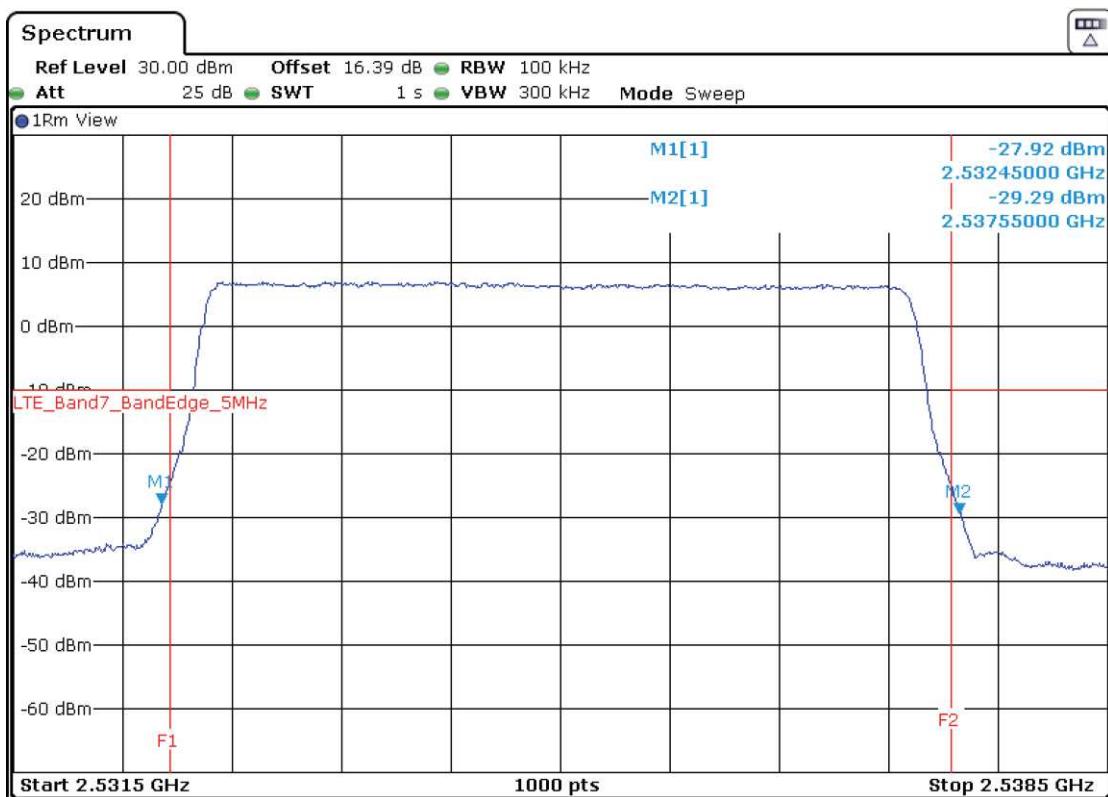
Additional zoom:



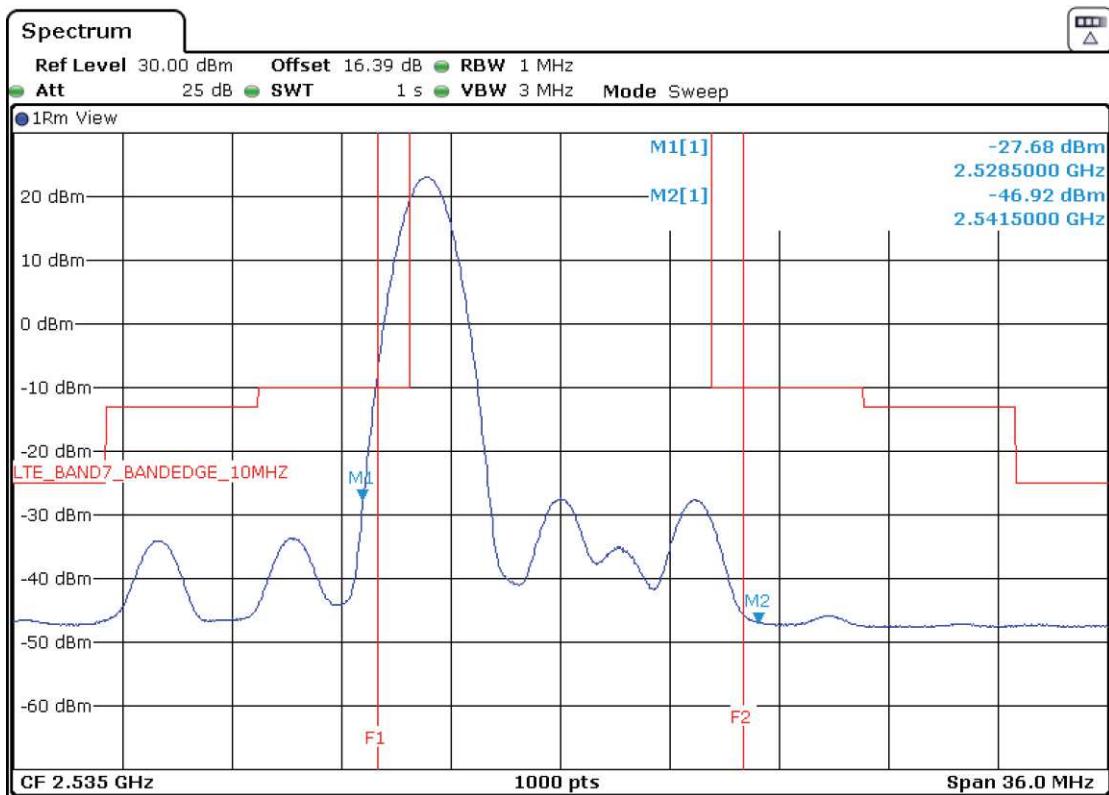
LTE Band 7. QPSK MODULATION. BW=5 MHz. RB=All. Offset=0. Lowest and Highest Channel Edges:



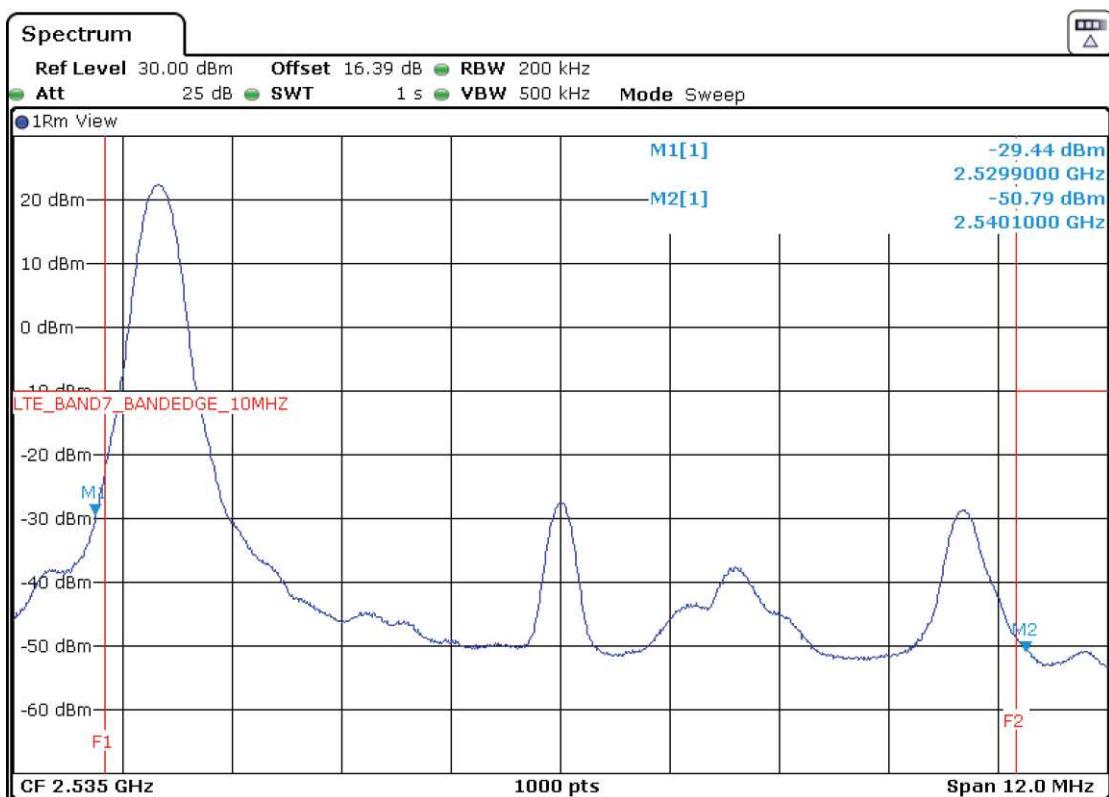
Additional zoom:



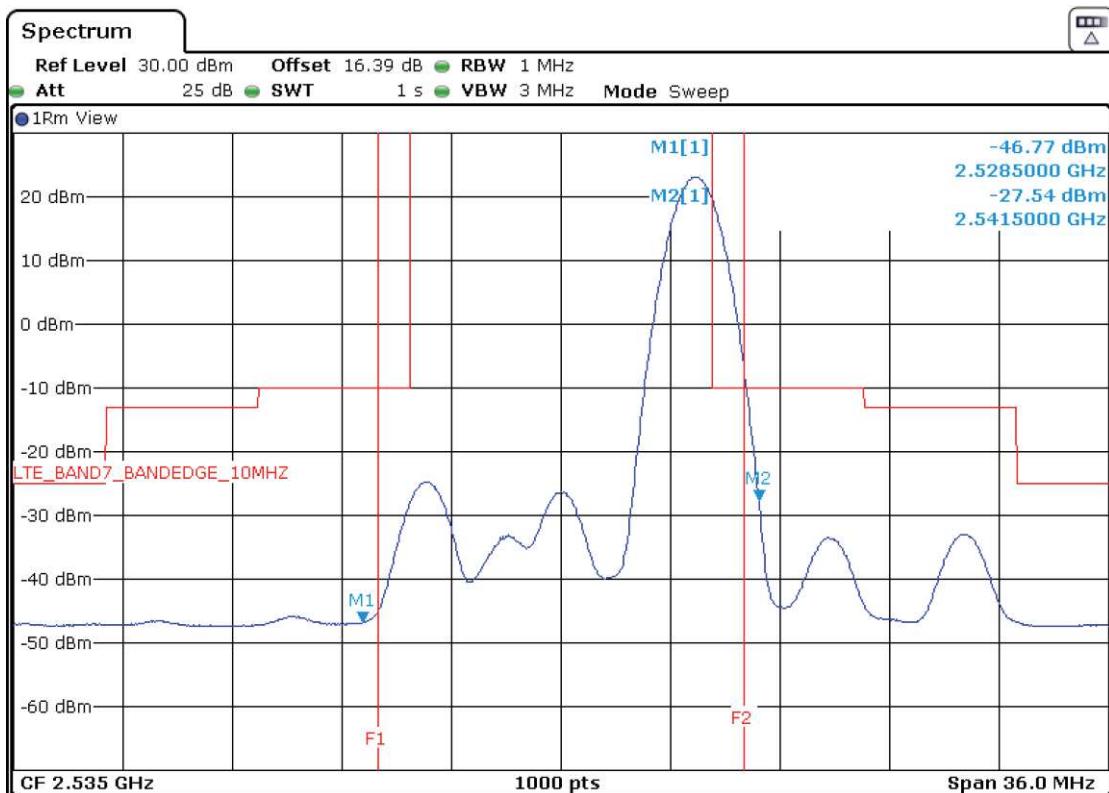
LTE Band 7. QPSK MODULATION. BW=10 MHz. RB=1. Offset=0. Lowest Channel Edge:



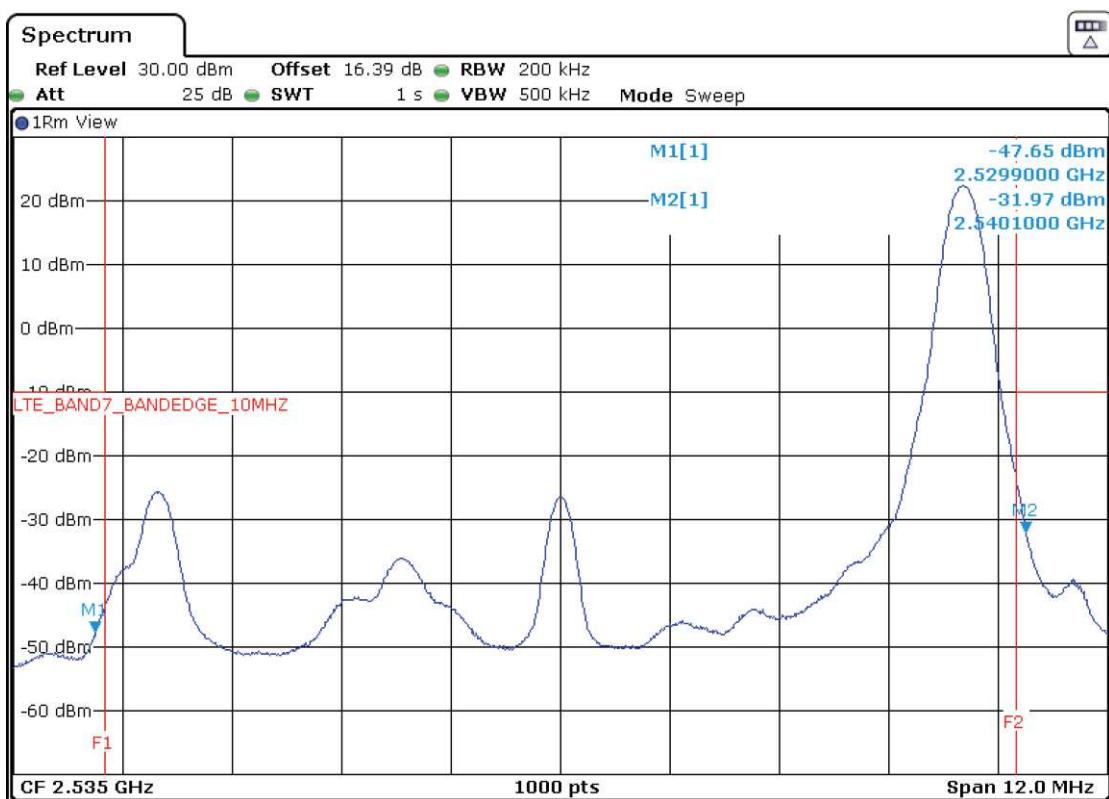
Additional zoom:



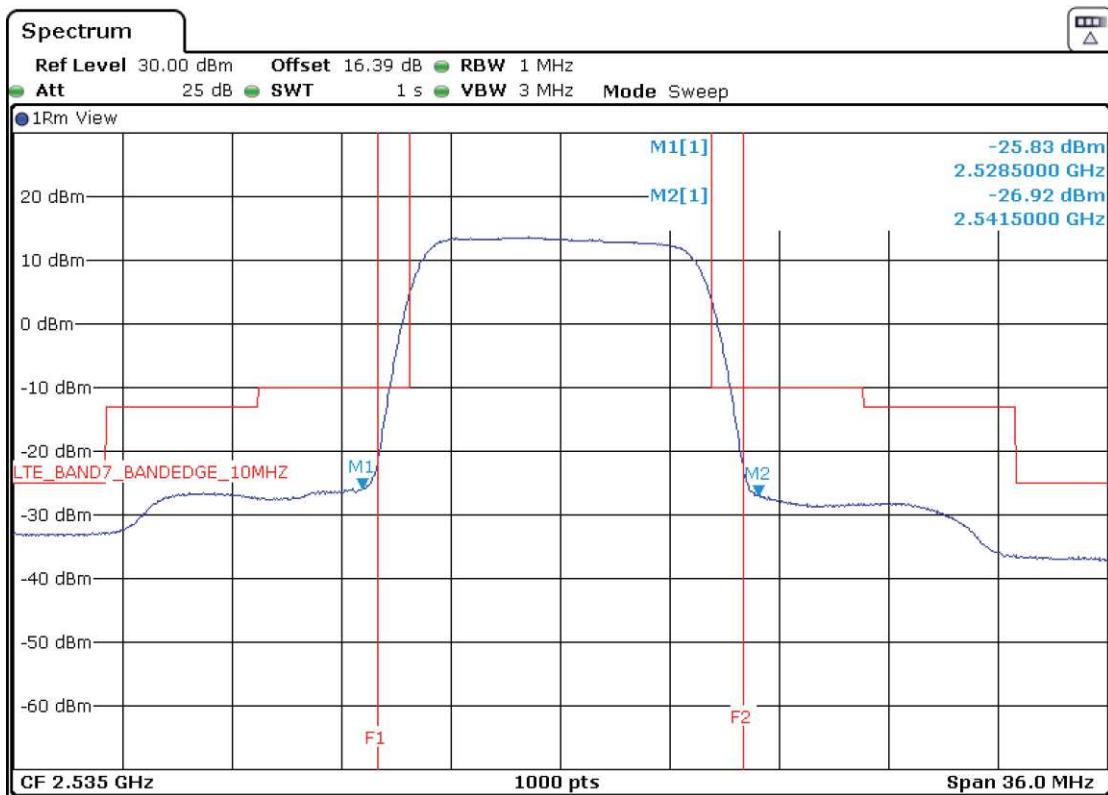
LTE Band 7. QPSK MODULATION. BW=10 MHz. RB=1. Offset=Max. Highest Channel Edge:



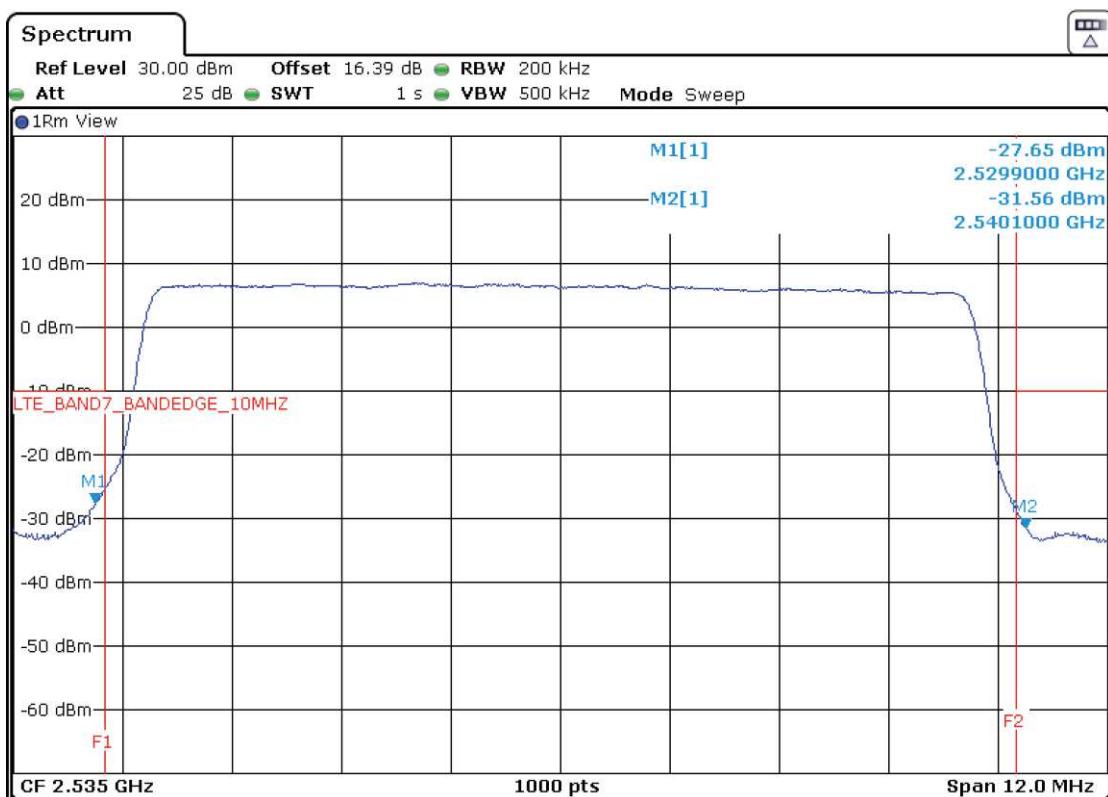
Additional zoom:



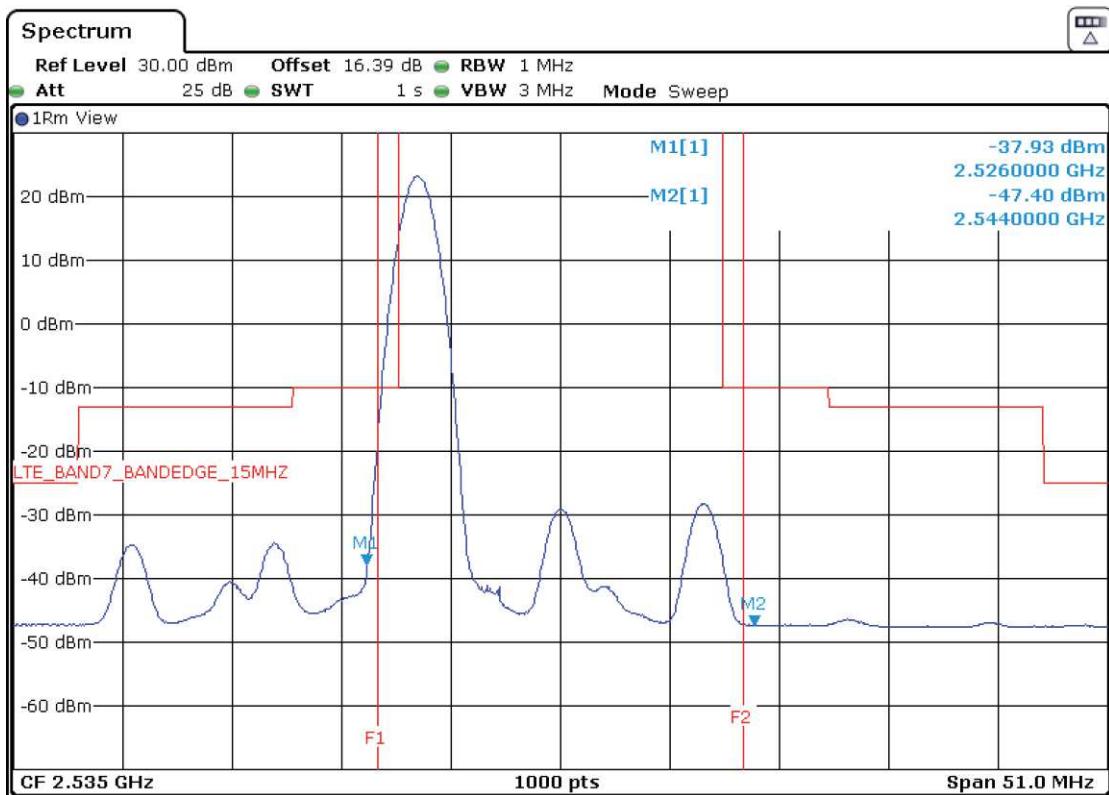
LTE Band 7. QPSK MODULATION. BW=10 MHz. RB=All. Offset=0. Lowest and Highest Channel Edges:



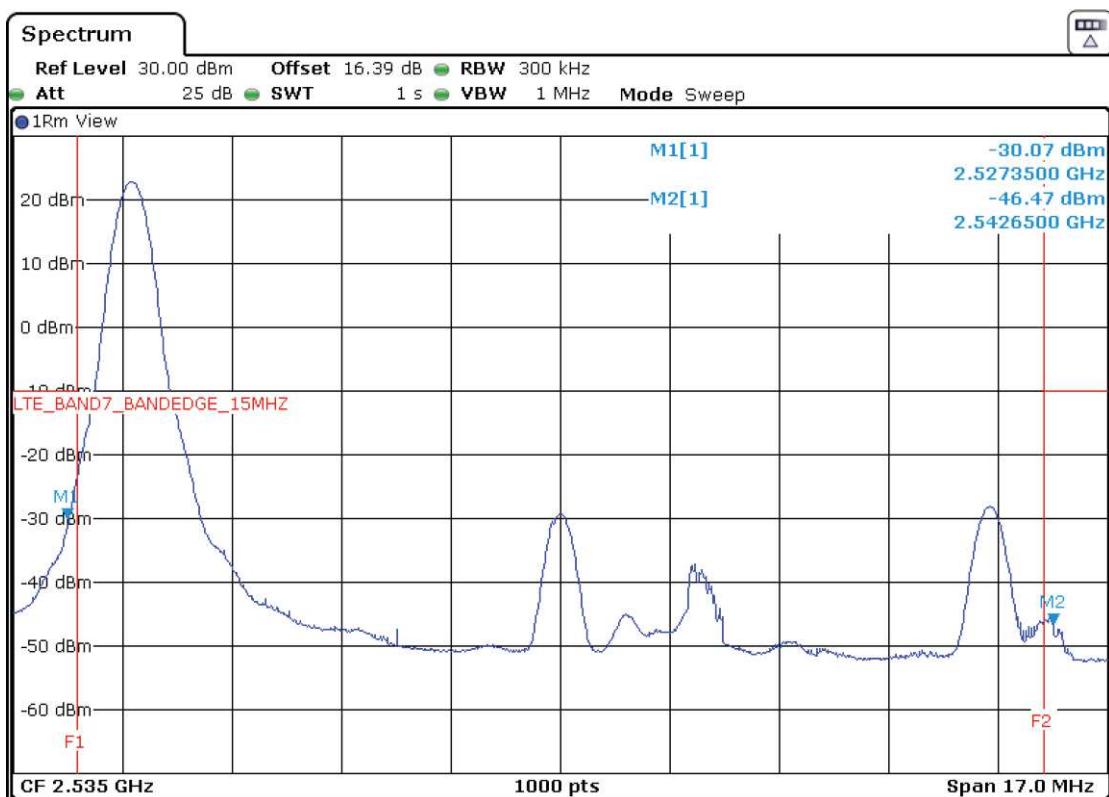
Additional zoom:



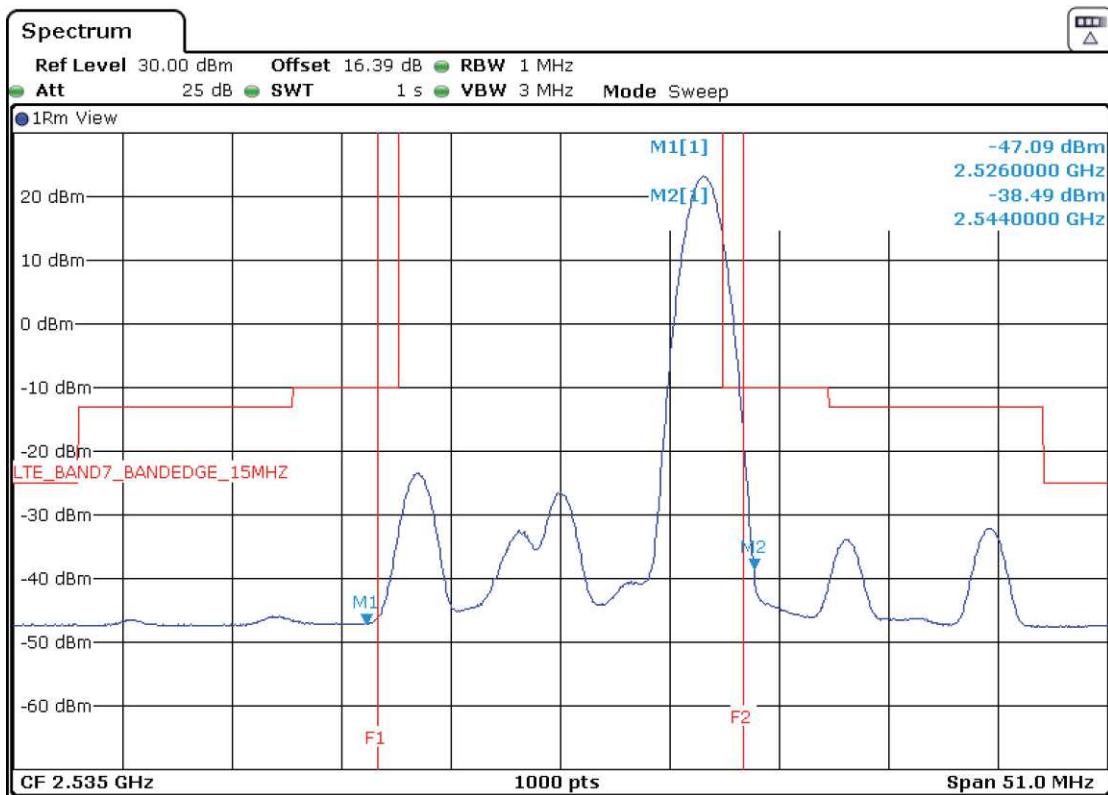
LTE Band 7. QPSK MODULATION. BW=15 MHz. RB=1. Offset=0. Lowest Channel Edge:



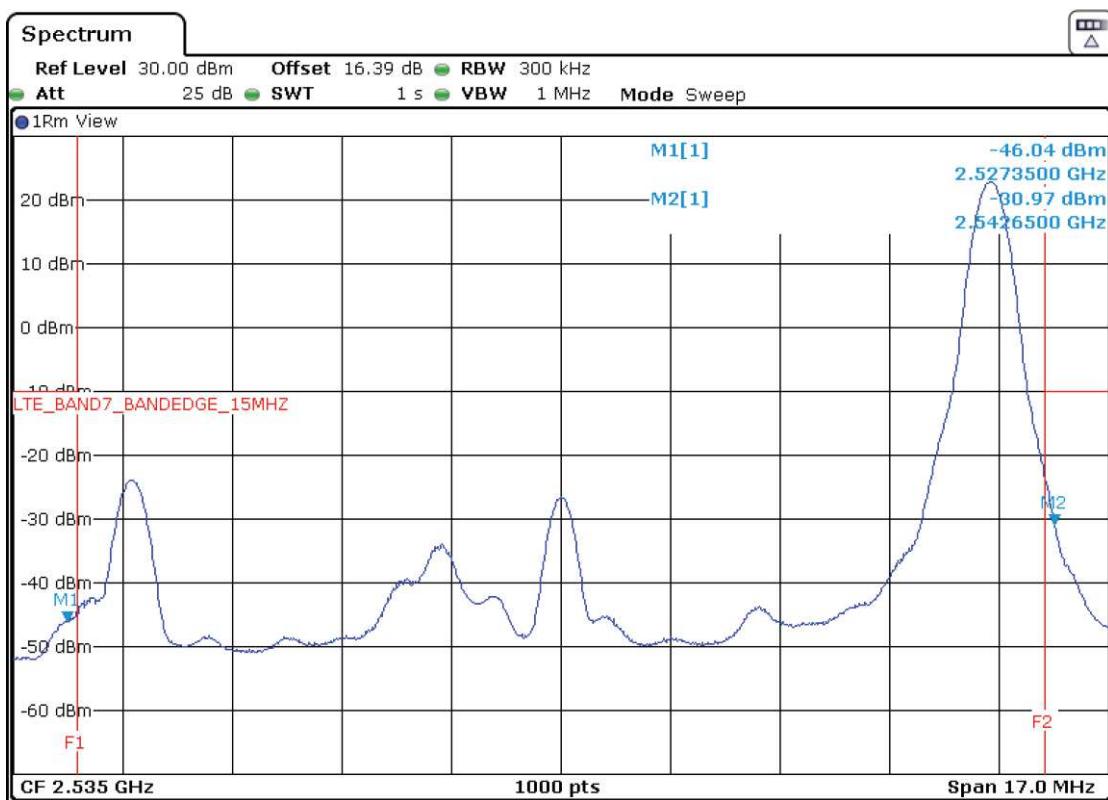
Additional zoom:



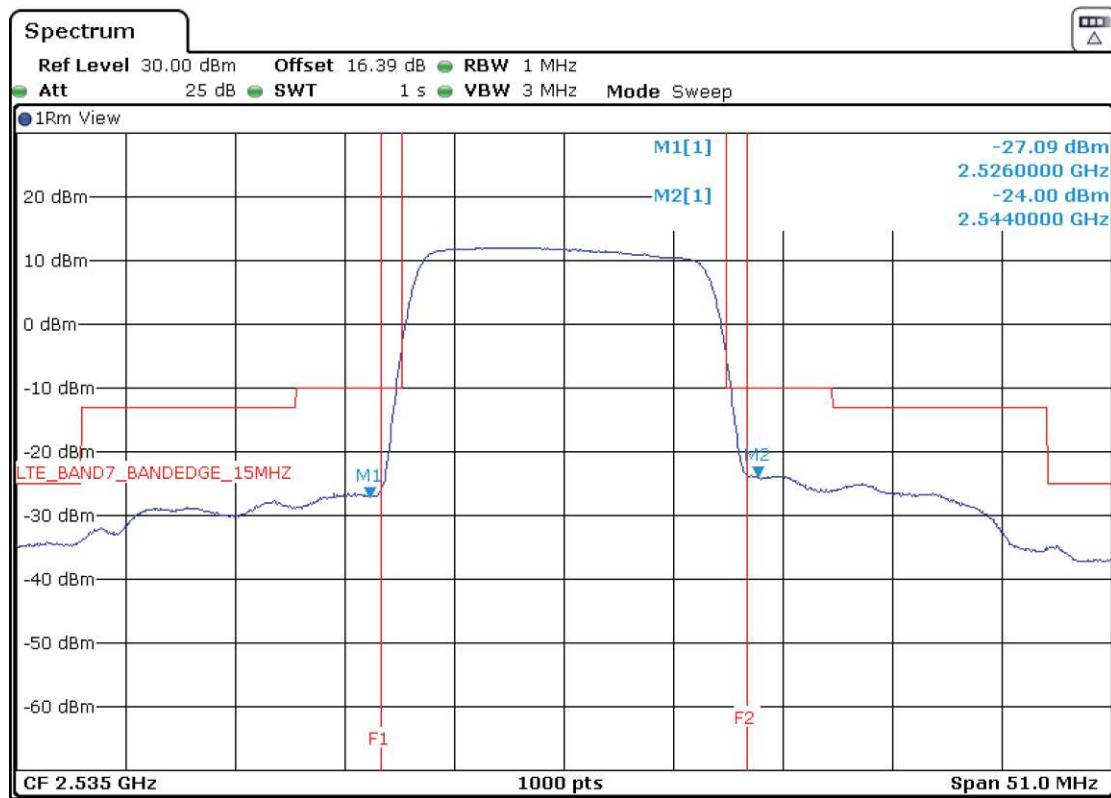
LTE Band 7. QPSK MODULATION. BW=15 MHz. RB=1. Offset=Max. Highest Channel Edge:



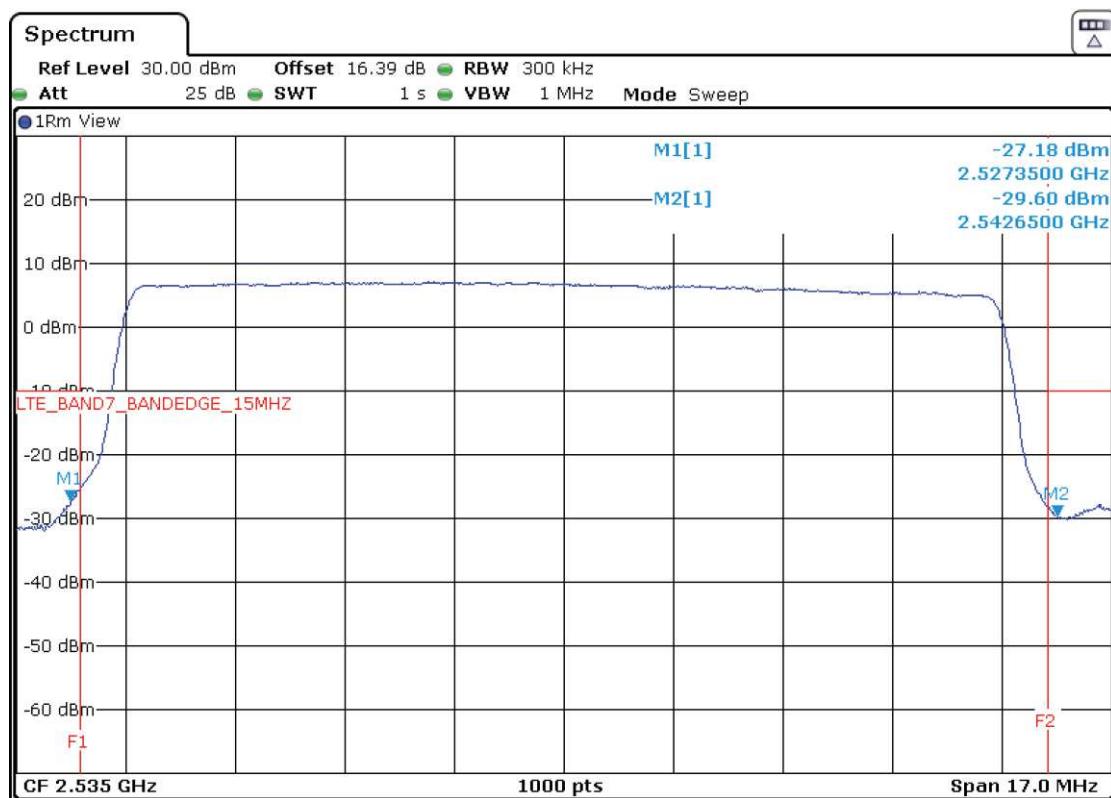
Additional zoom:



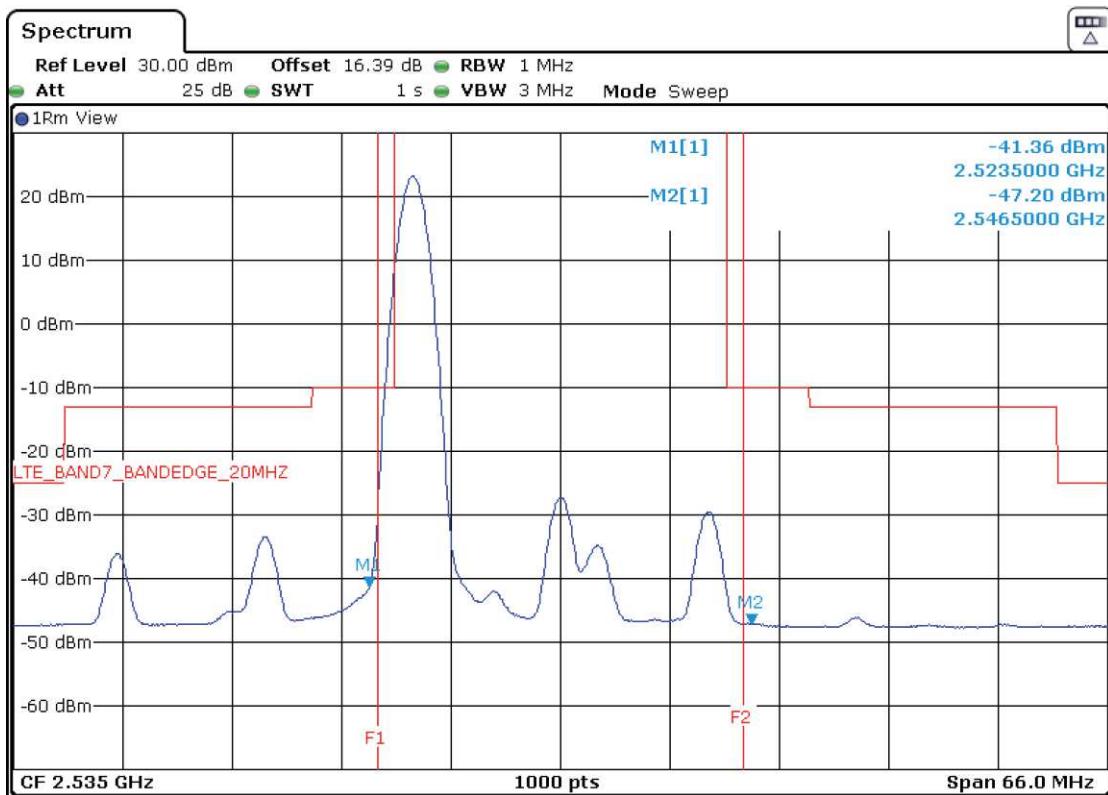
LTE Band 7. QPSK MODULATION. BW=15 MHz. RB=All. Offset=0. Lowest and Highest Channel Edges:



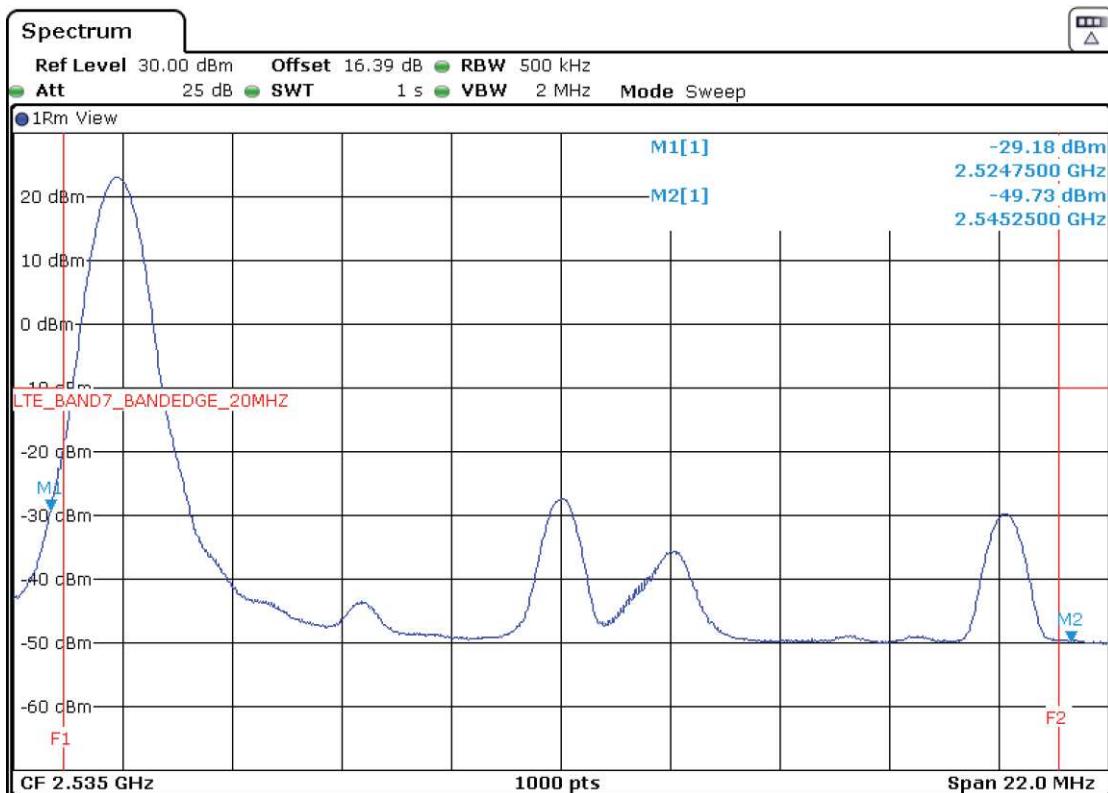
Additional zoom:



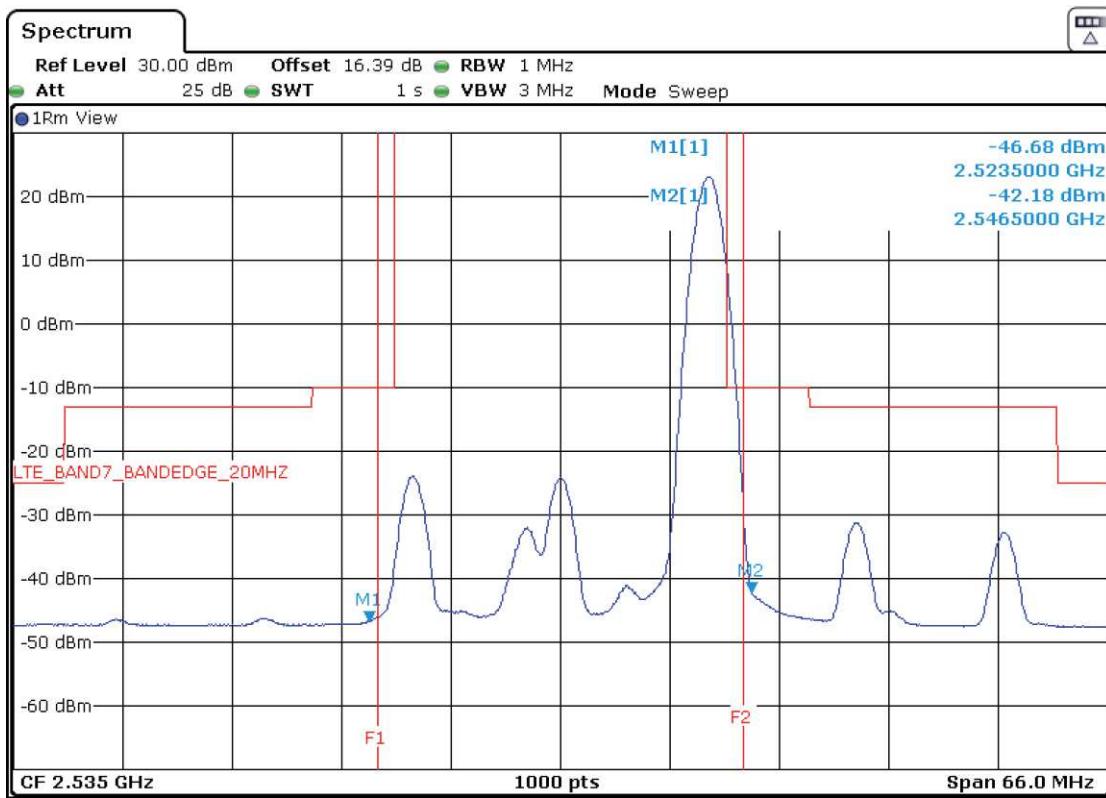
LTE Band 7. QPSK MODULATION. BW=20 MHz. RB=1. Offset=0. Lowest Channel Edge:



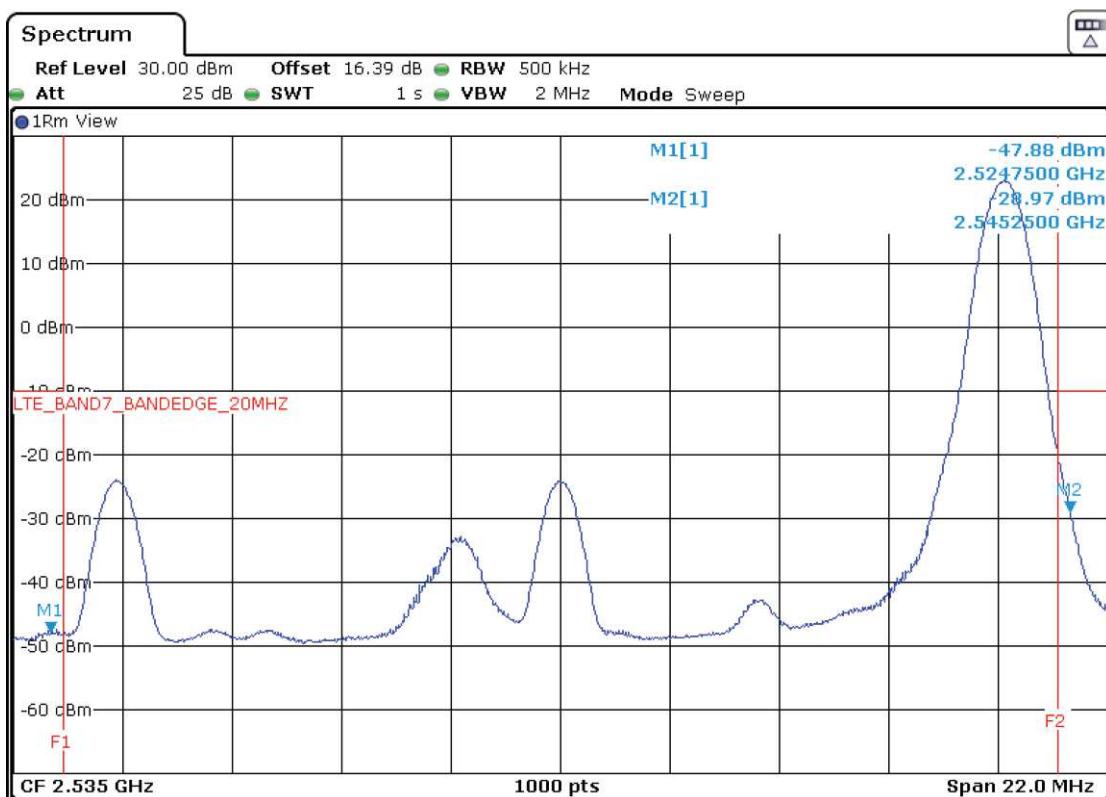
Additional zoom:



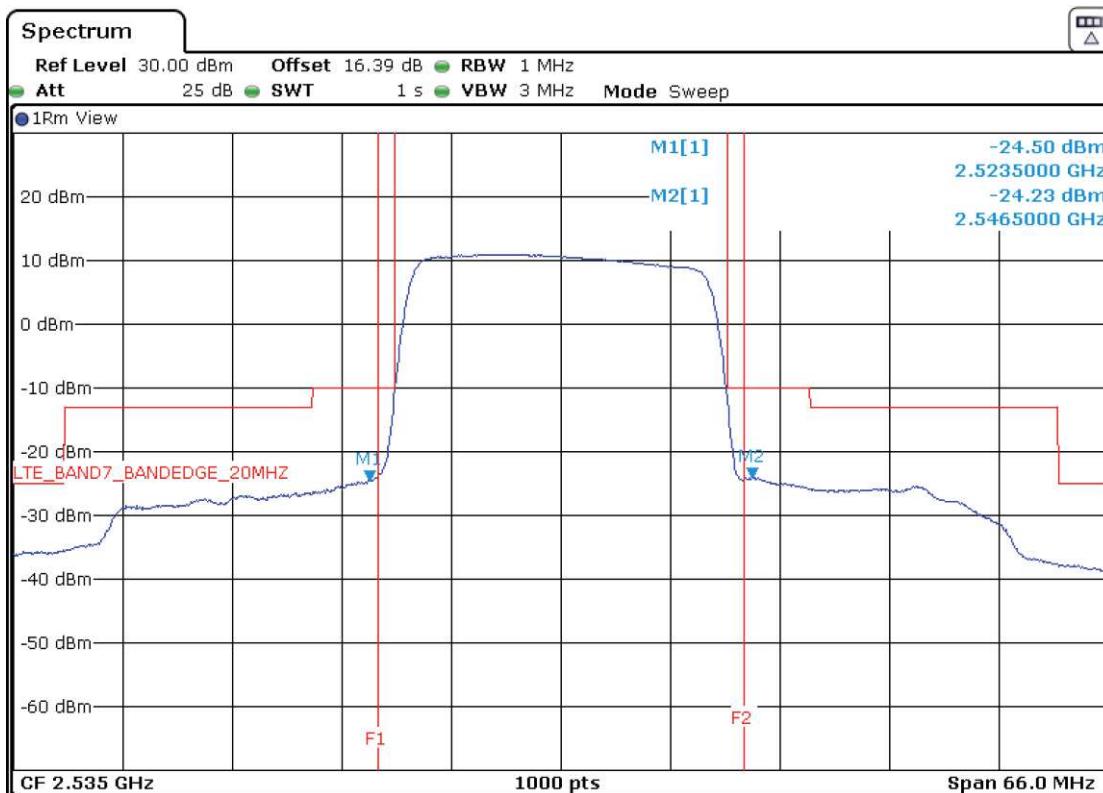
LTE Band 7. QPSK MODULATION. BW=20 MHz. RB=1. Offset=Max. Highest Channel Edge:



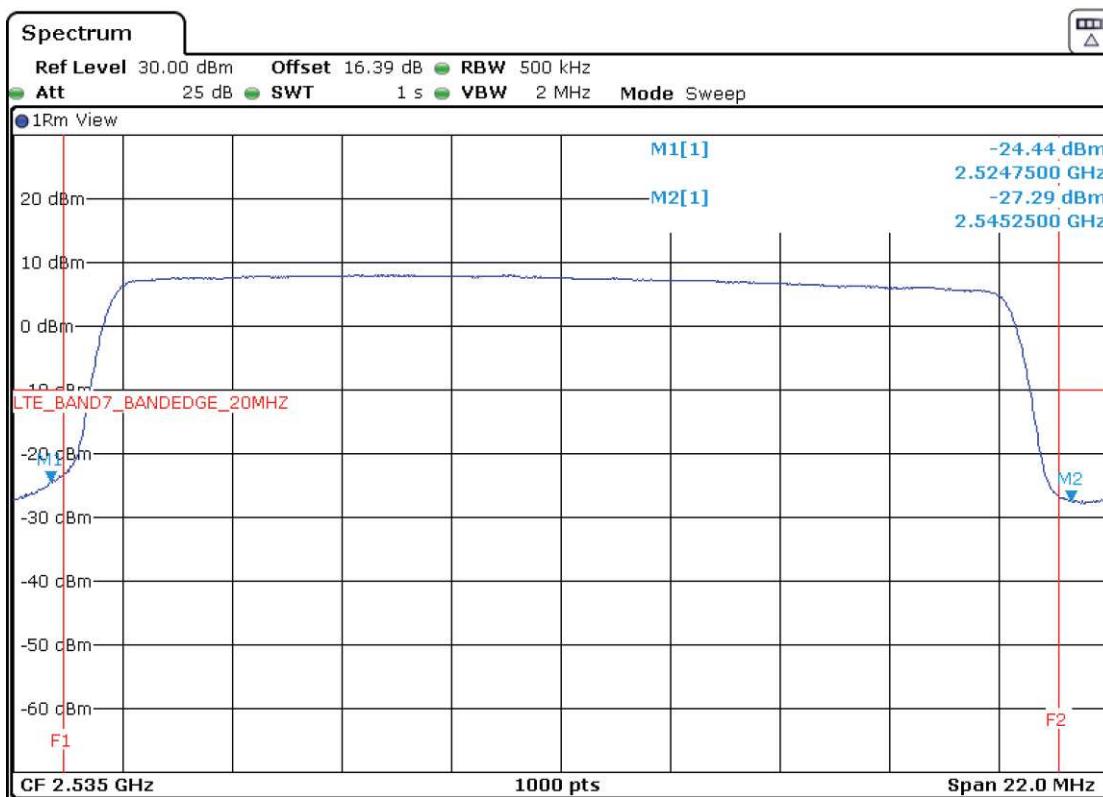
Additional zoom:



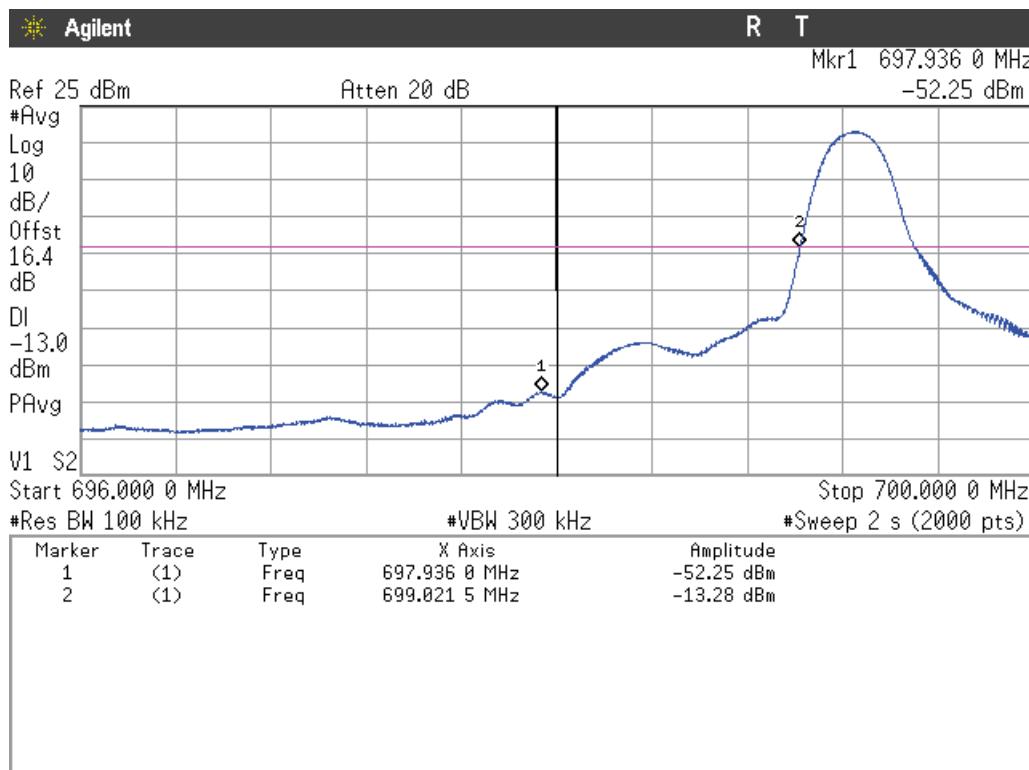
LTE Band 7. QPSK MODULATION. BW=20 MHz. RB=All. Offset=0. Lowest and Highest Block Edges:



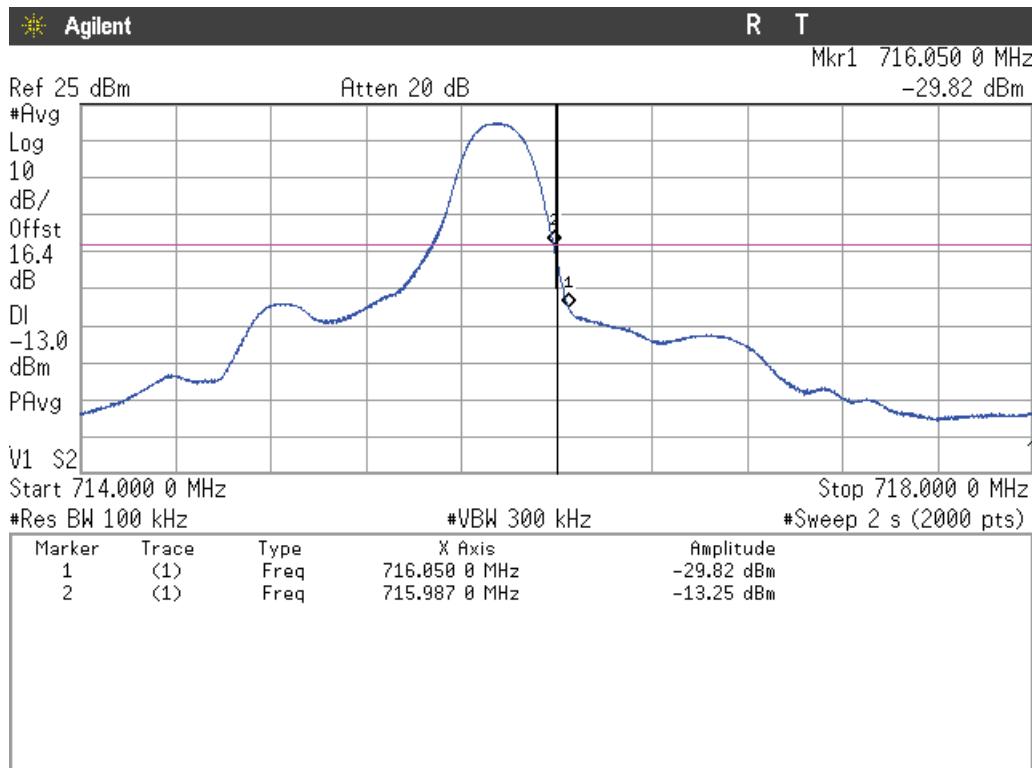
Additional zoom:



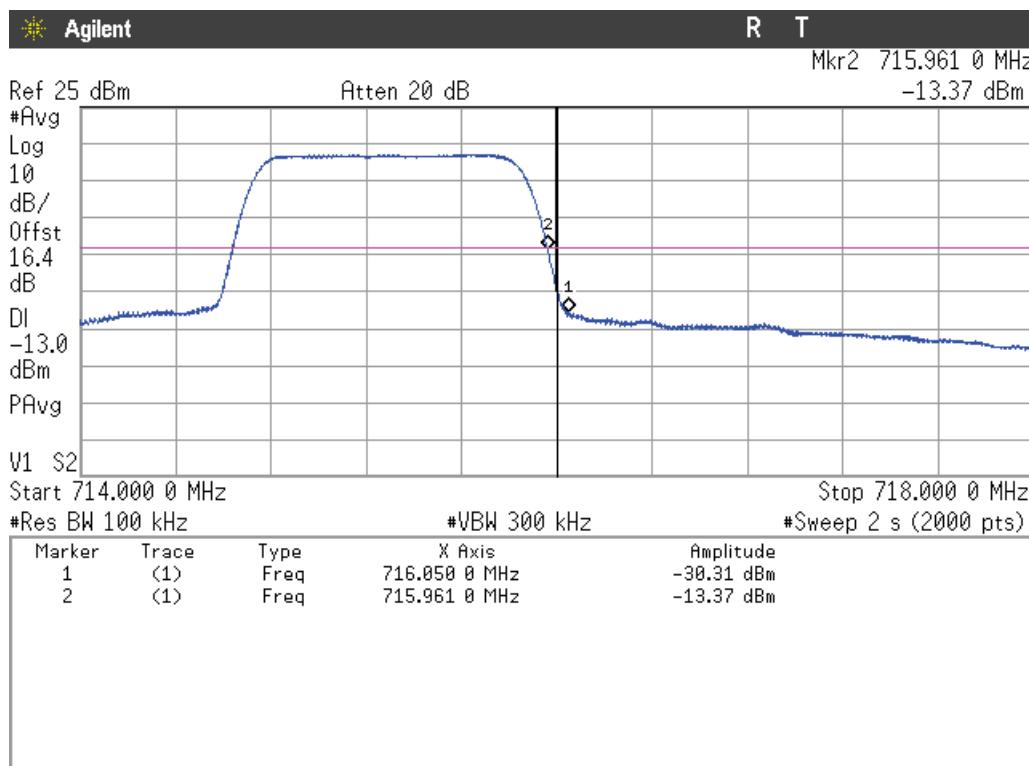
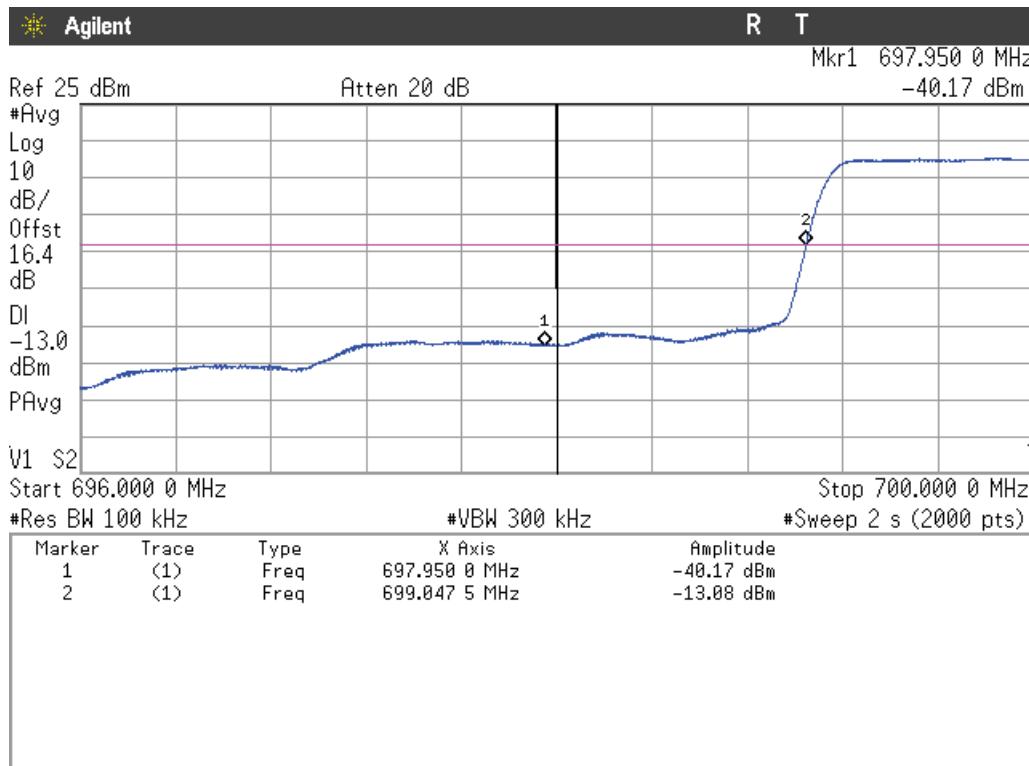
LTE Band 12. QPSK MODULATION. BW=1.4 MHz. RB=1. Offset=0. Lowest Block Edge:



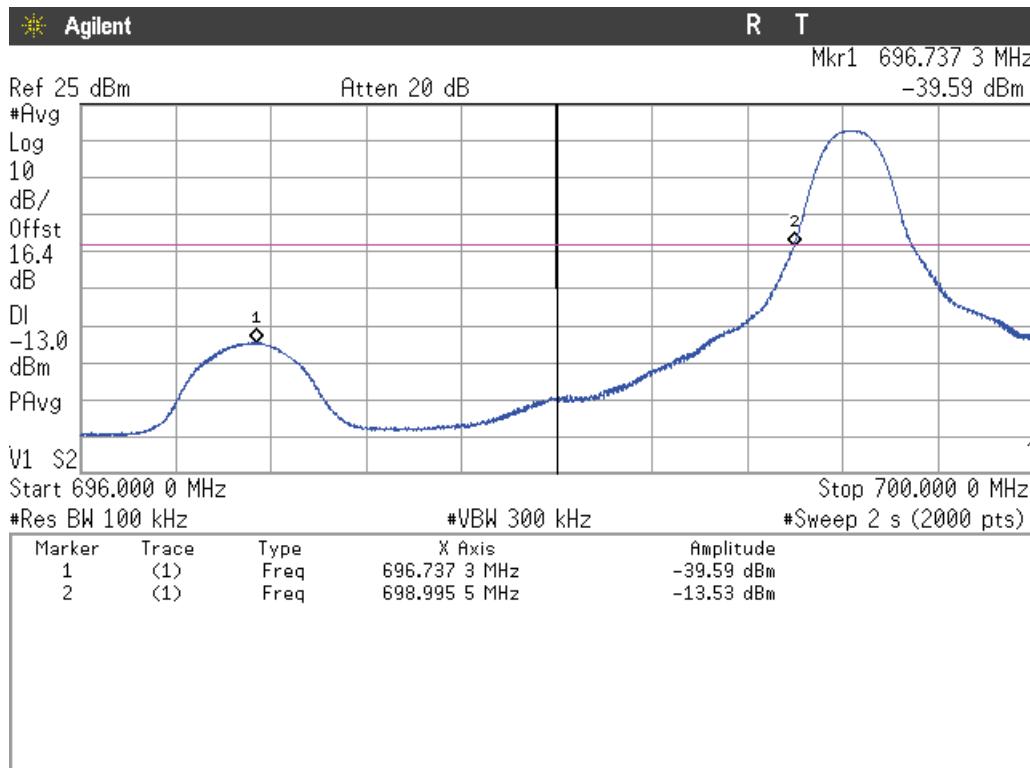
LTE Band 12. QPSK MODULATION. BW=1.4 MHz. RB=1. Offset=Max. Highest Block Edge:



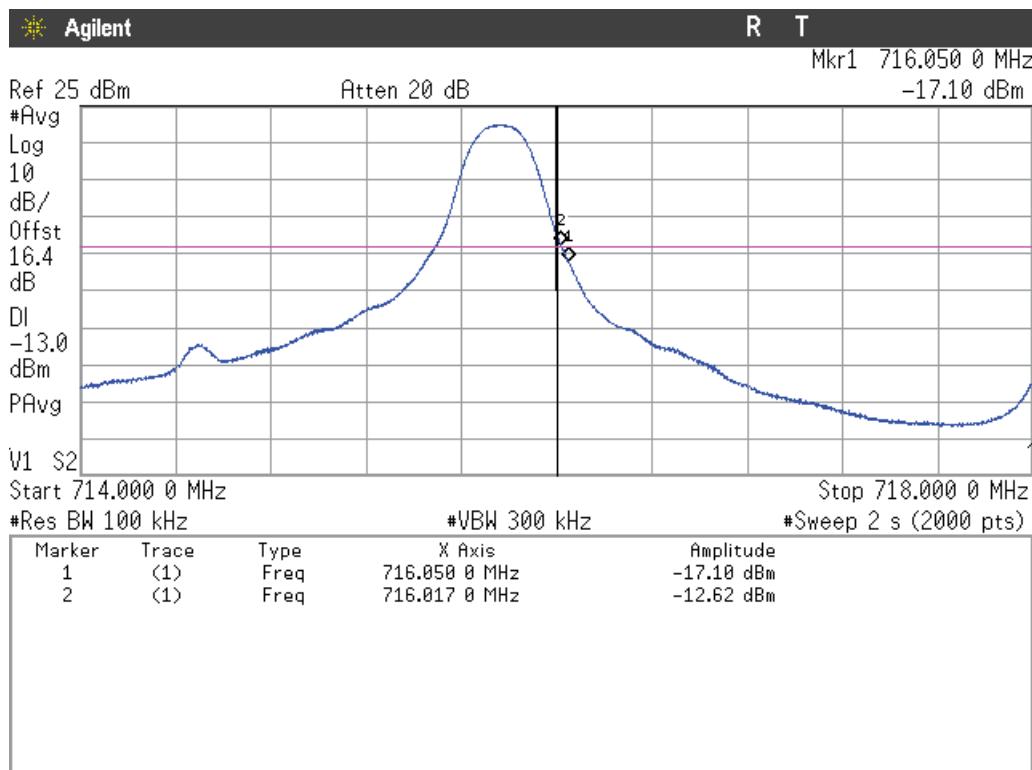
LTE Band 12. QPSK MODULATION. BW=1.4 MHz. RB=All. Offset=0. Lowest and Highest Block Edges:

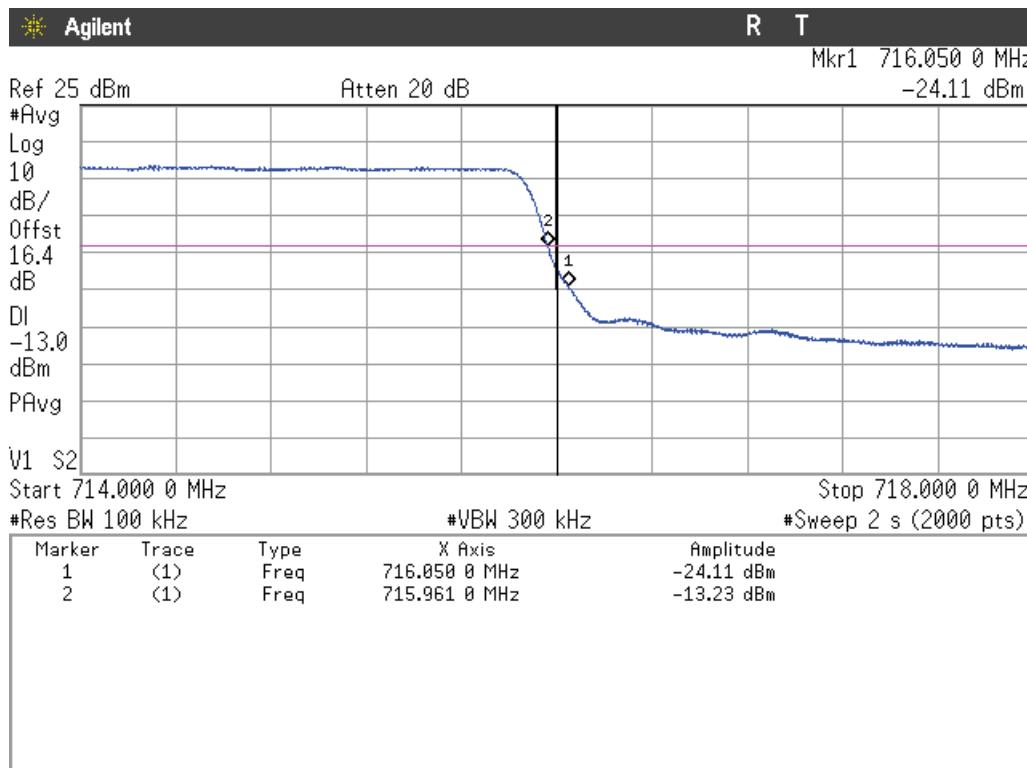
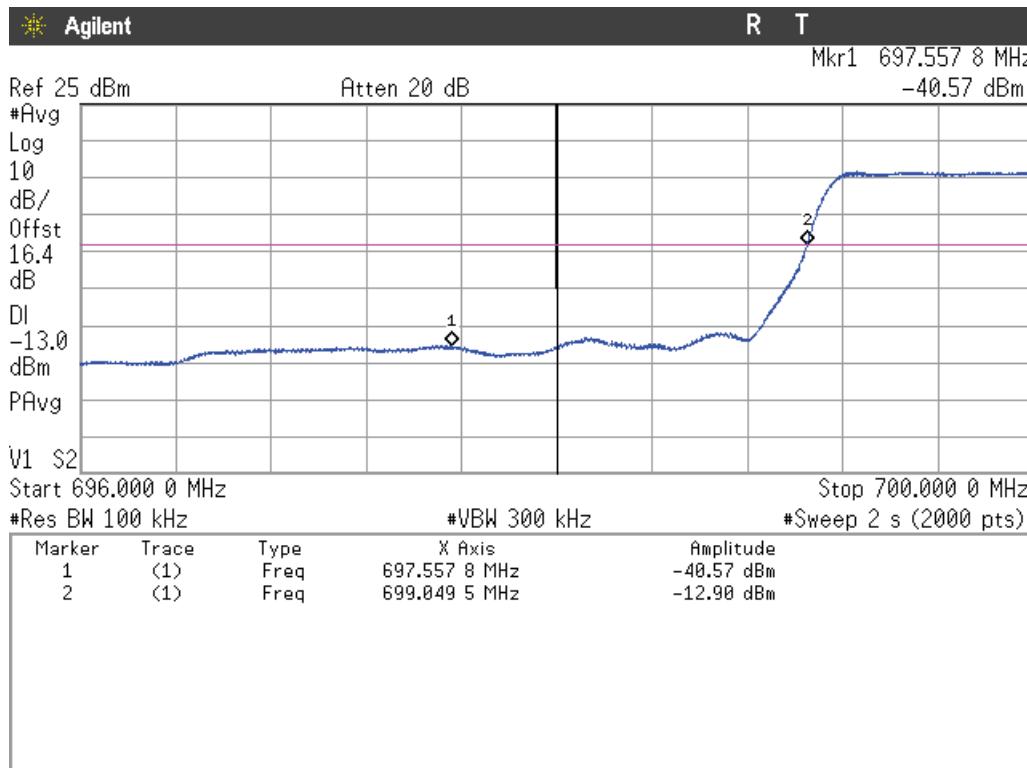


LTE Band 12. QPSK MODULATION. BW=3 MHz. RB=1. Offset=0. Lowest Block Edge:

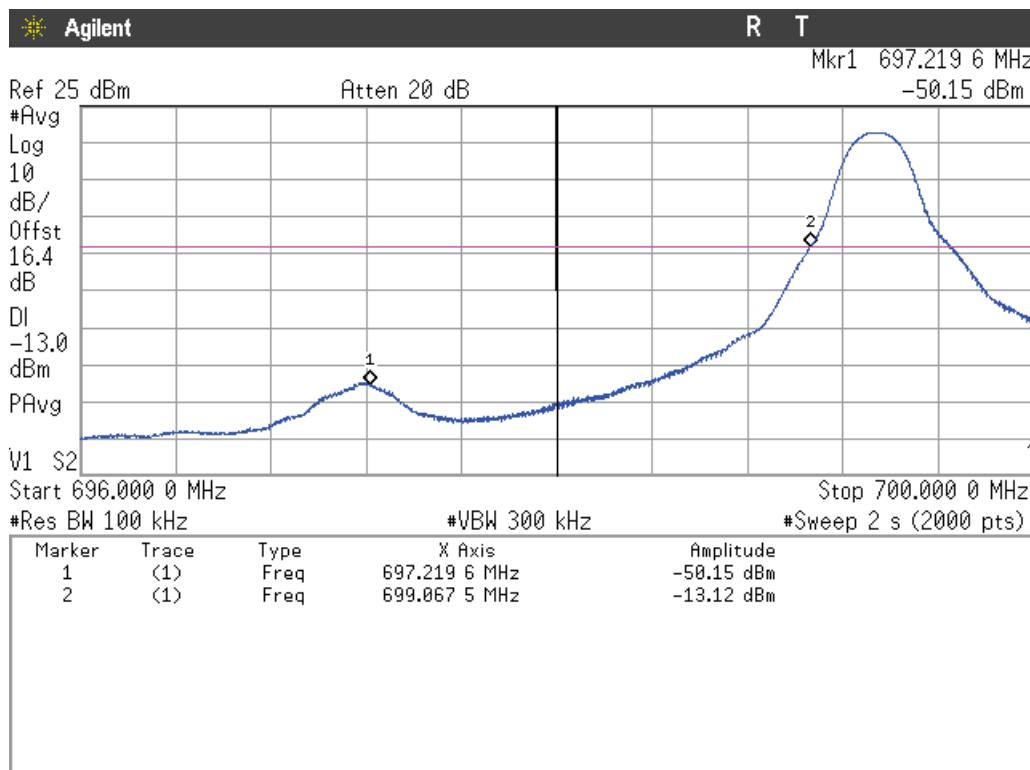


LTE Band 12. QPSK MODULATION. BW=3 MHz. RB=1. Offset=Max. Highest Block Edge:

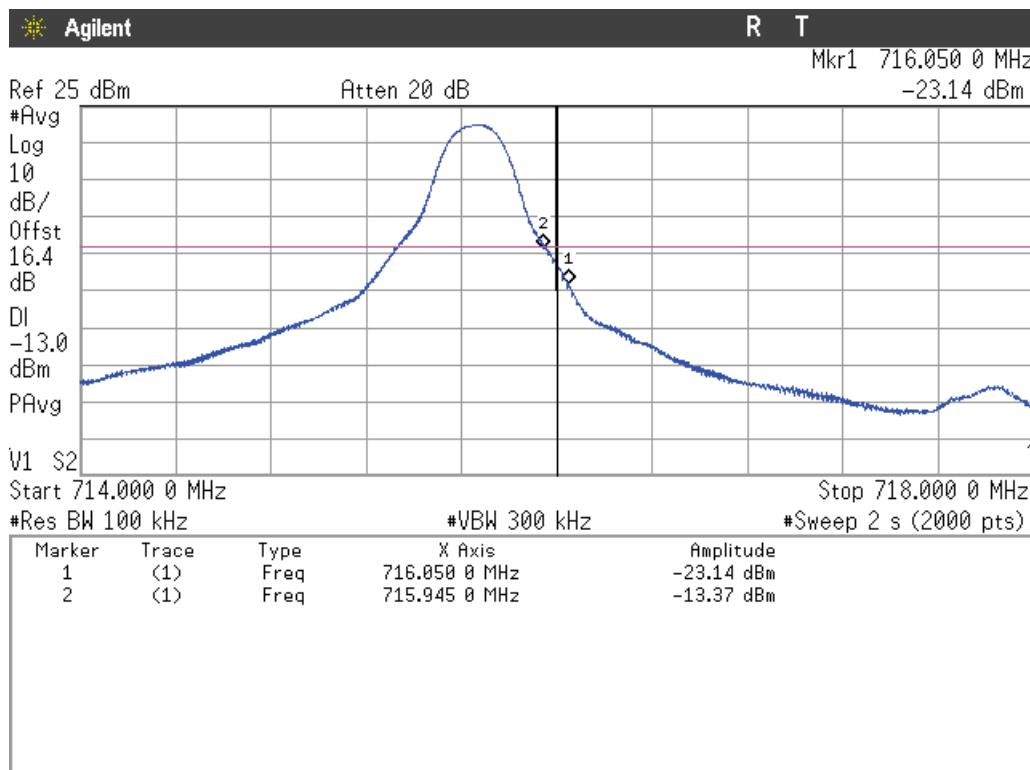


LTE Band 12. QPSK MODULATION. BW=3 MHz. RB=All. Offset=0. Lowest and Highest Block Edges:


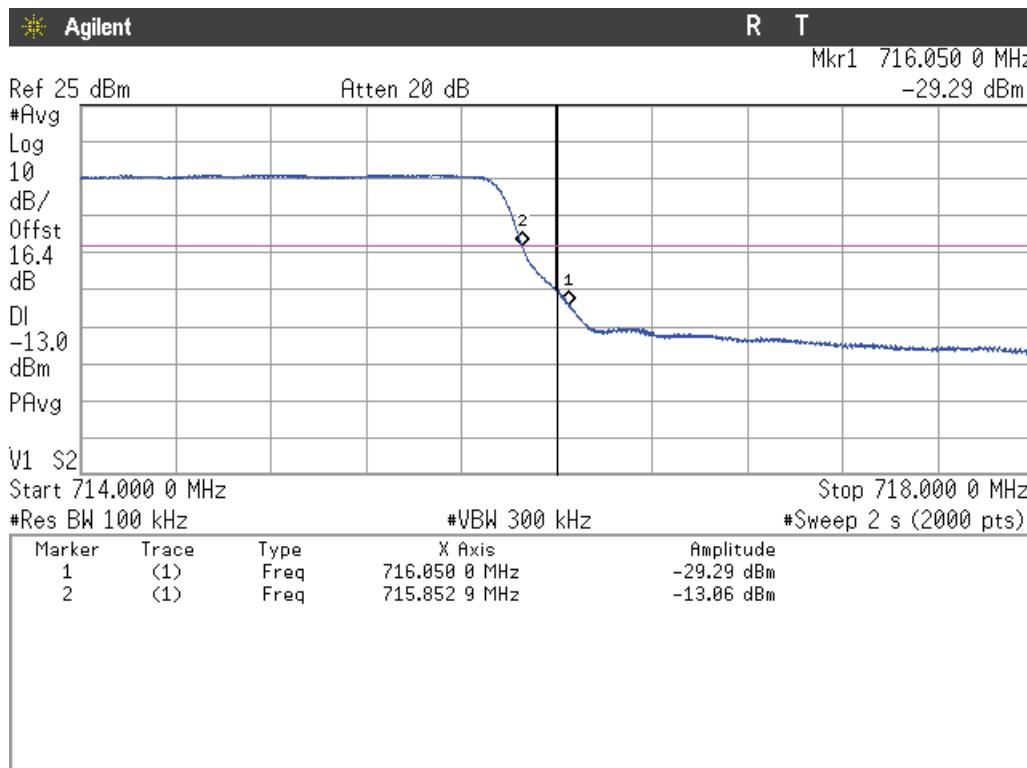
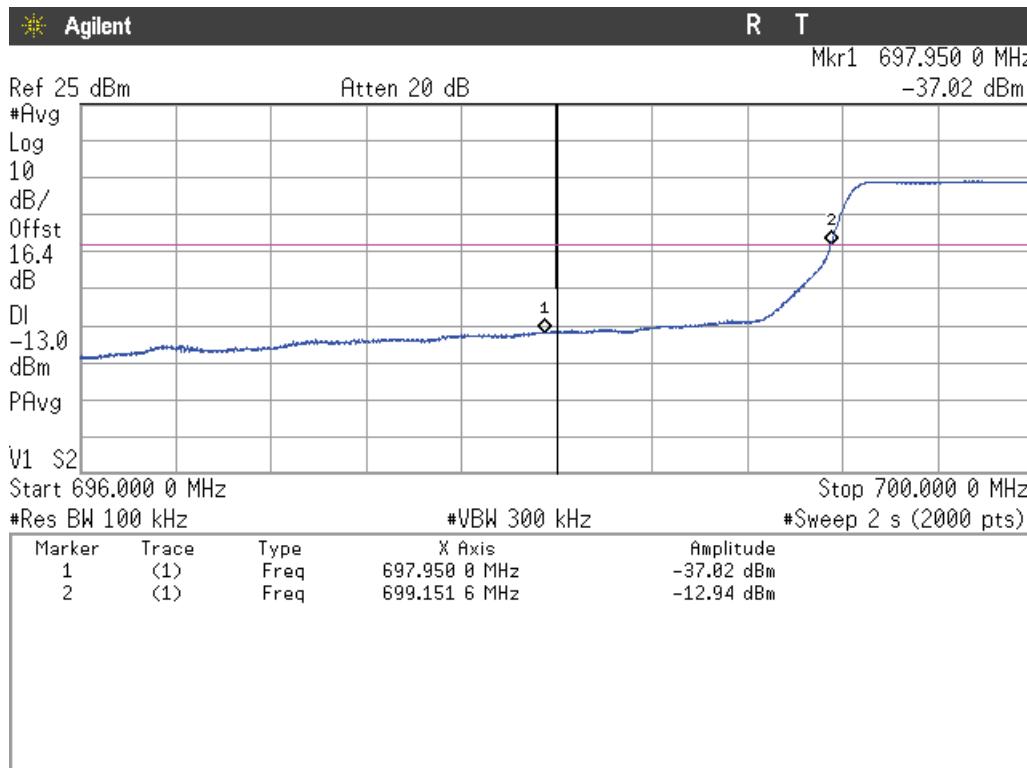
LTE Band 12. QPSK MODULATION. BW=5 MHz. RB=1. Offset=0. Lowest Block Edge:



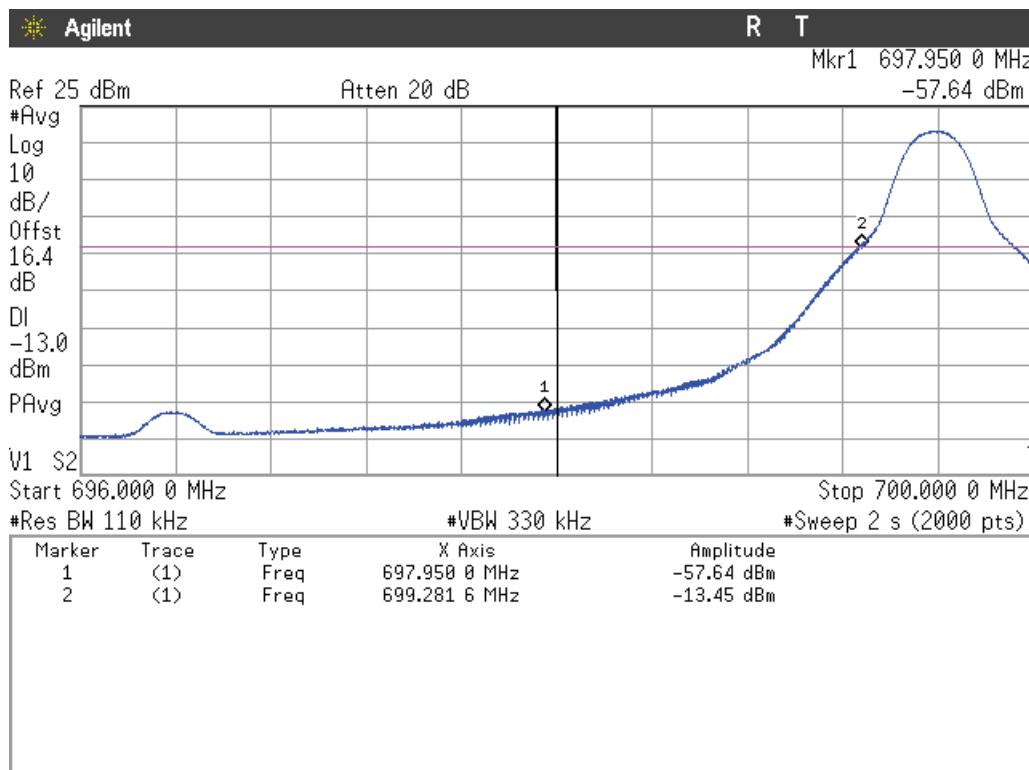
LTE Band 12. QPSK MODULATION. BW=5 MHz. RB=1. Offset=Max. Highest Block Edge:



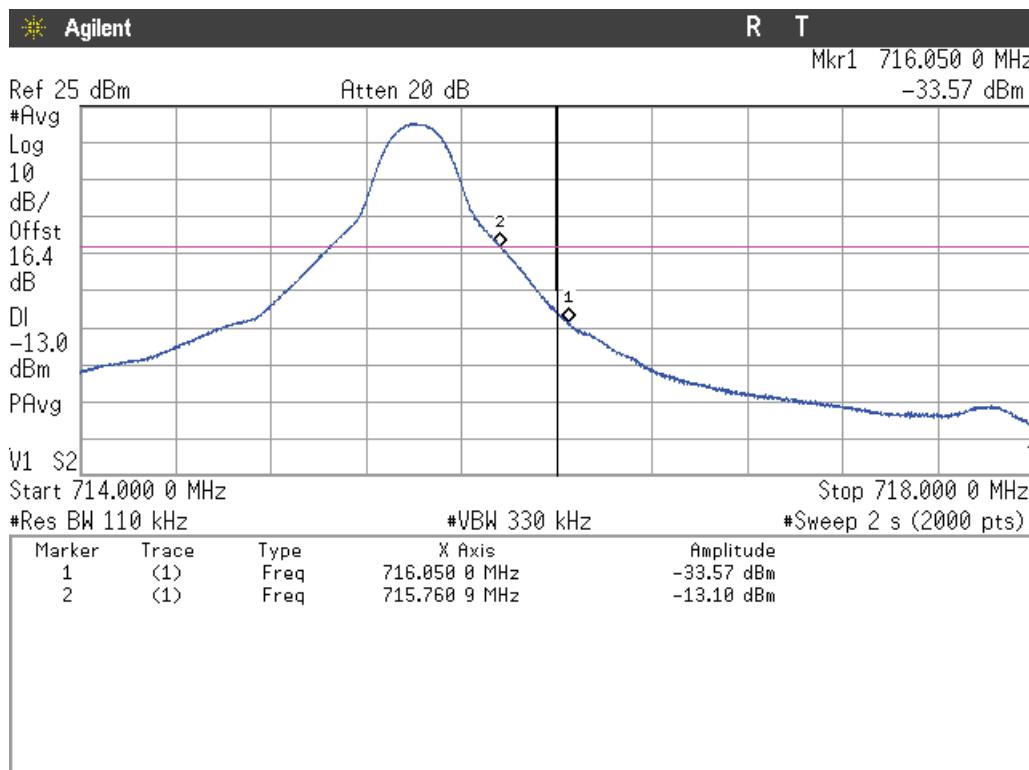
LTE Band 12. QPSK MODULATION. BW=5 MHz. RB=All. Offset=0. Lowest and Highest Block Edges:



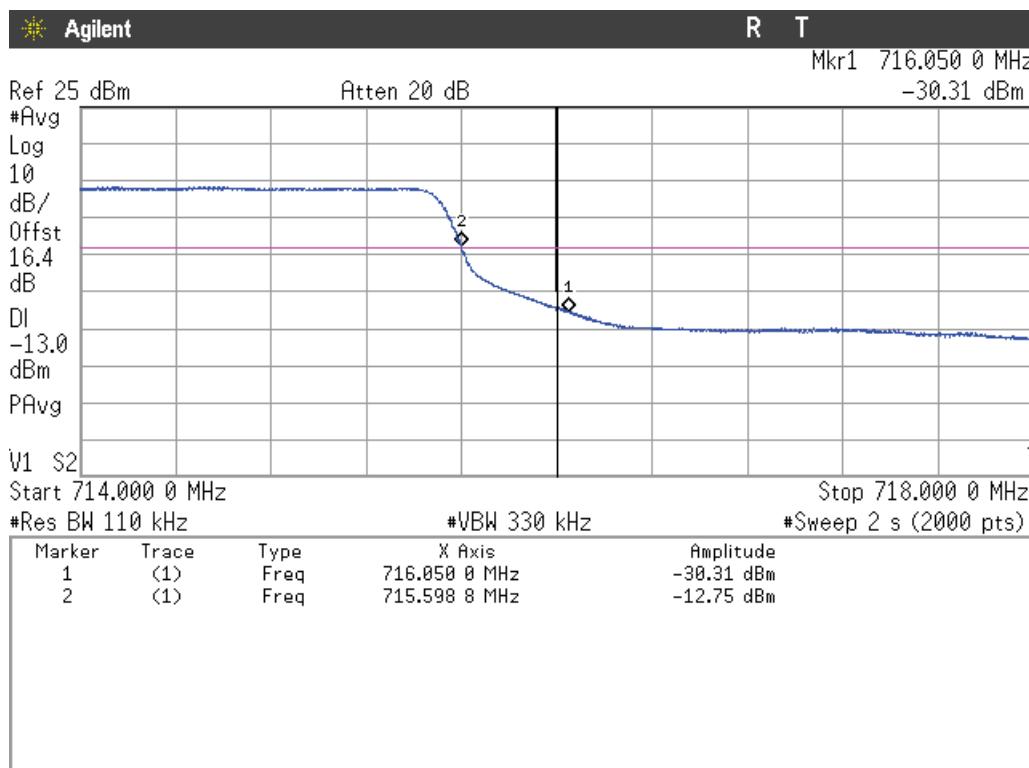
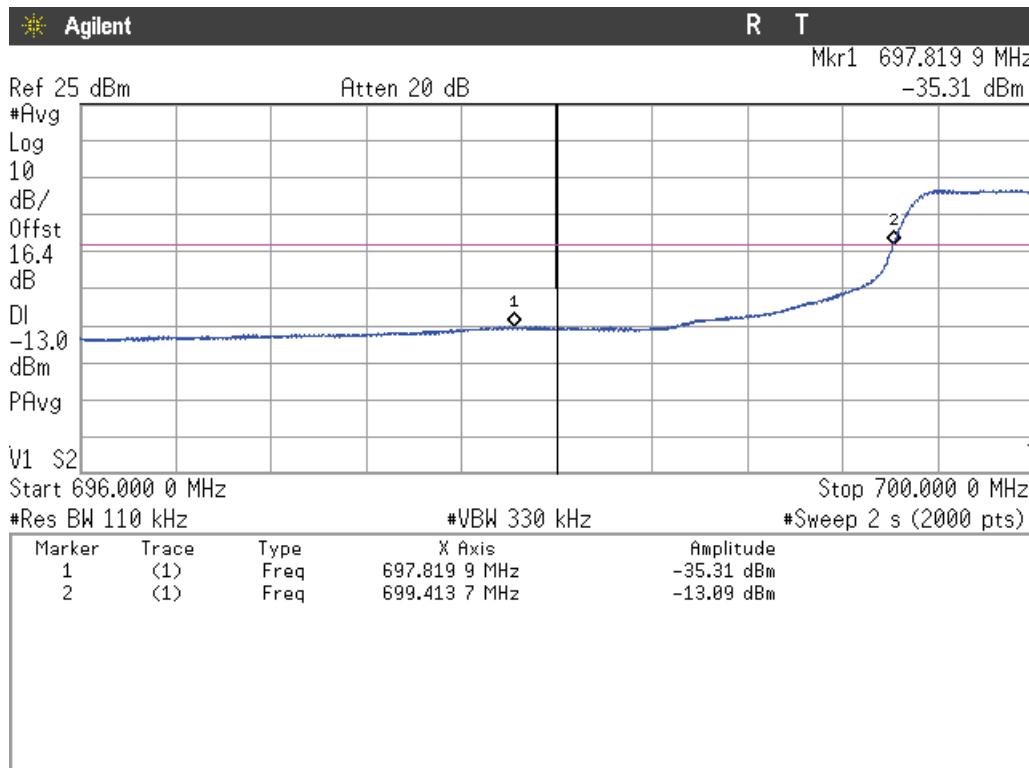
LTE Band 12. QPSK MODULATION. BW=10 MHz. RB=1. Offset=0. Lowest Block Edge:



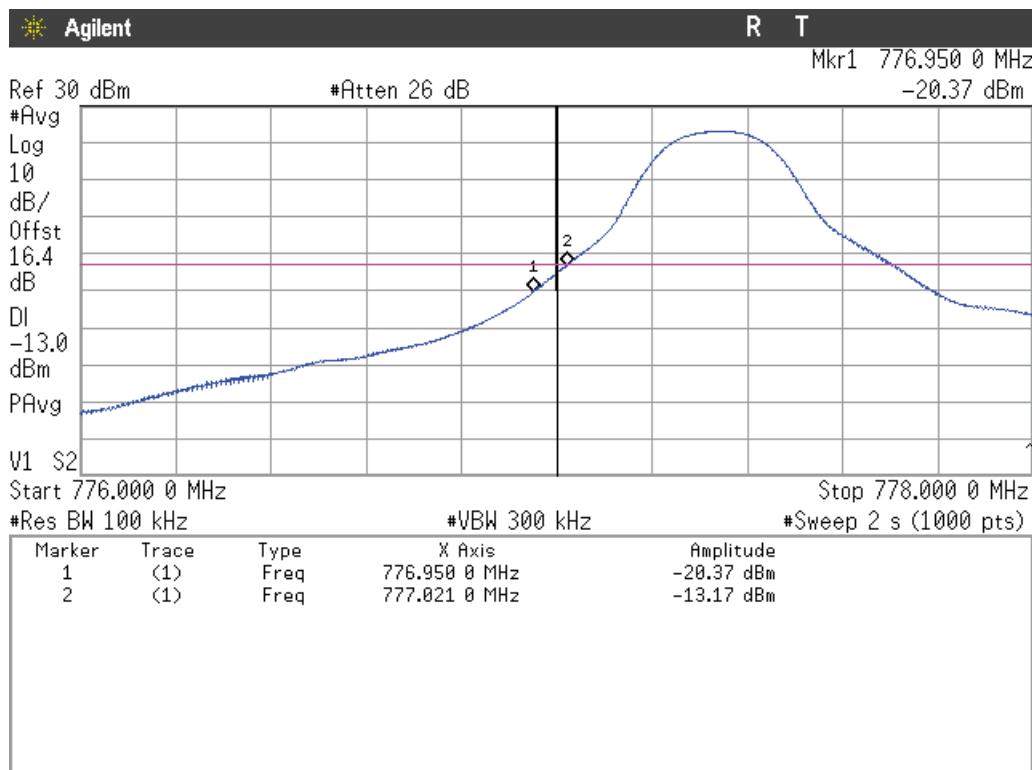
LTE Band 12. QPSK MODULATION. BW=10 MHz. RB=1. Offset=Max. Highest Block Edge:



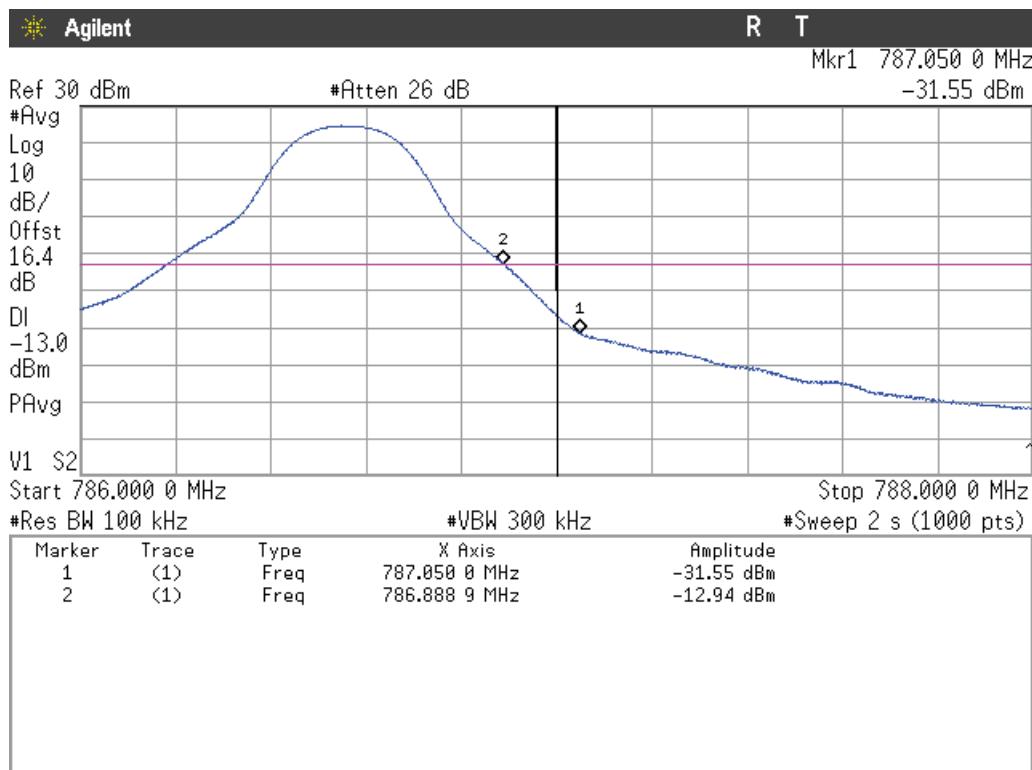
LTE Band 12. QPSK MODULATION. BW=10 MHz. RB=All. Offset=0. Lowest and Highest Block Edges:

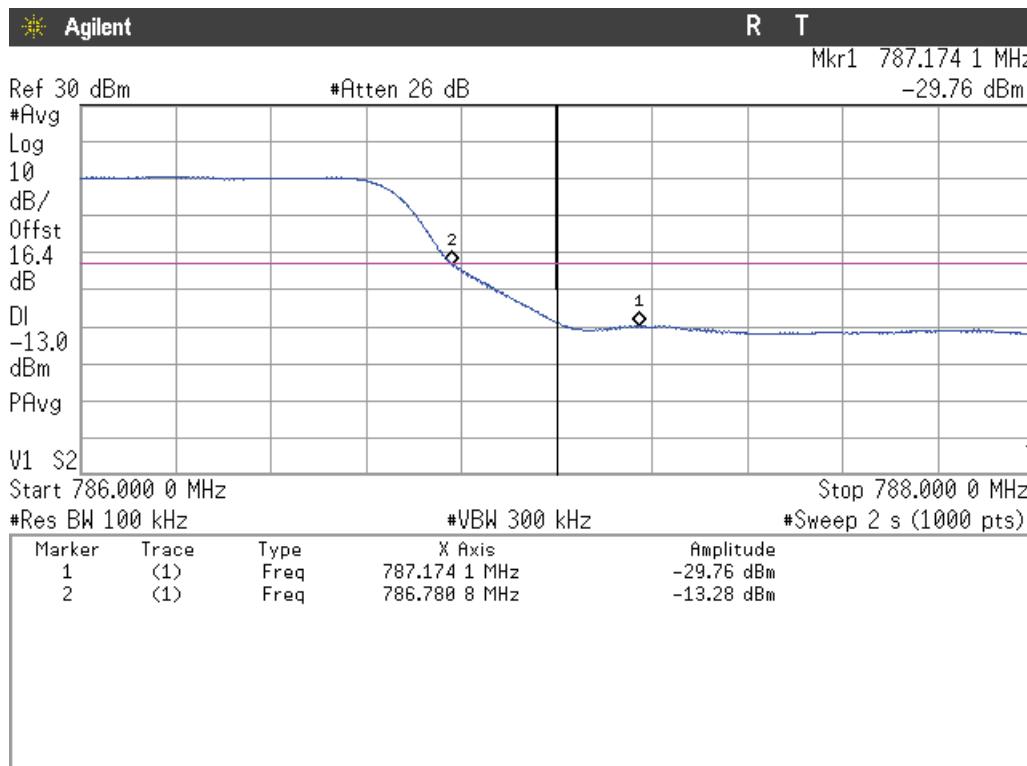
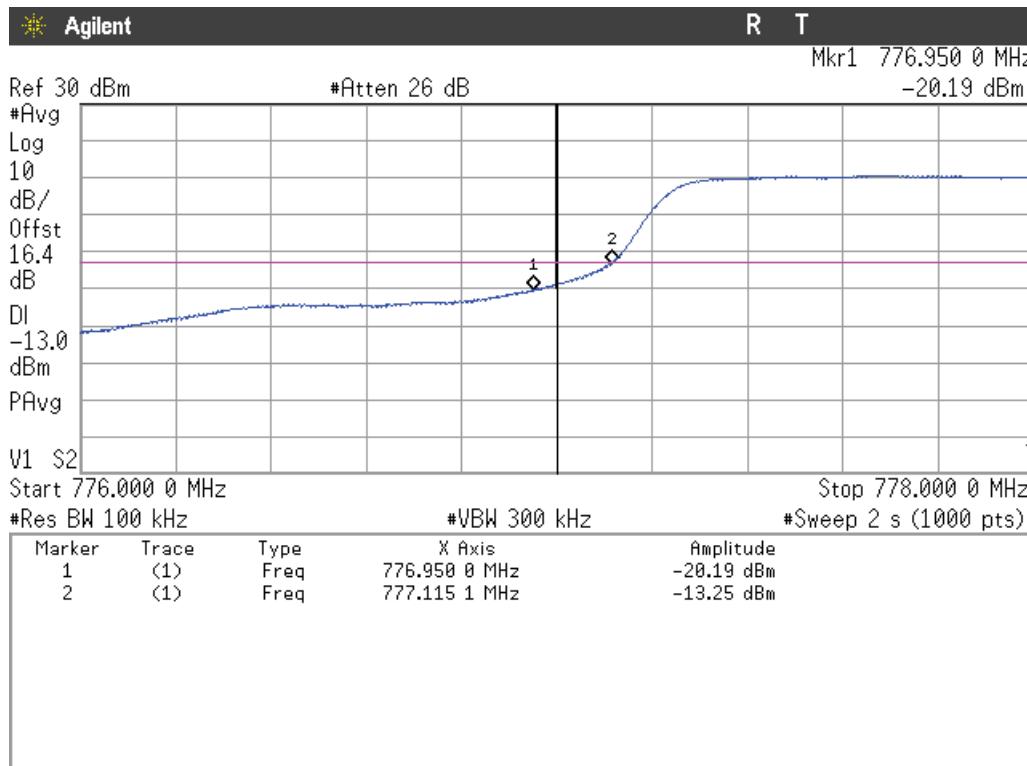


LTE Band 13. QPSK MODULATION. BW=5 MHz. RB=1. Offset=0. Lowest Block Edge:

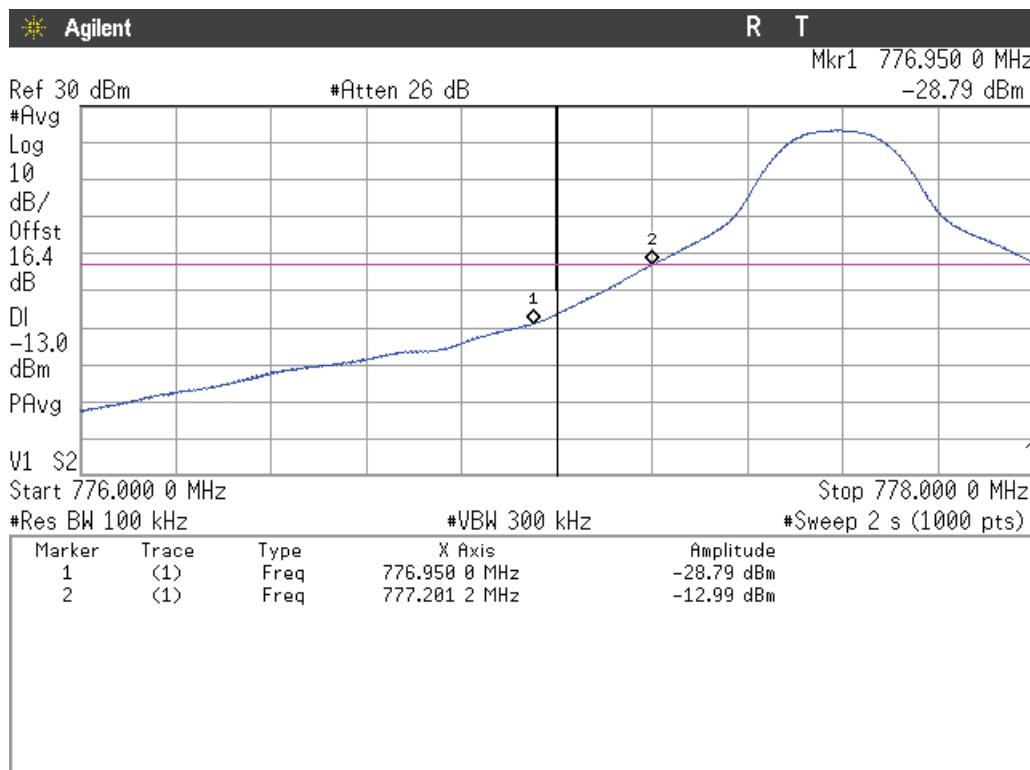


LTE Band 13. QPSK MODULATION. BW=5 MHz. RB=1. Offset=Max. Highest Block Edge:

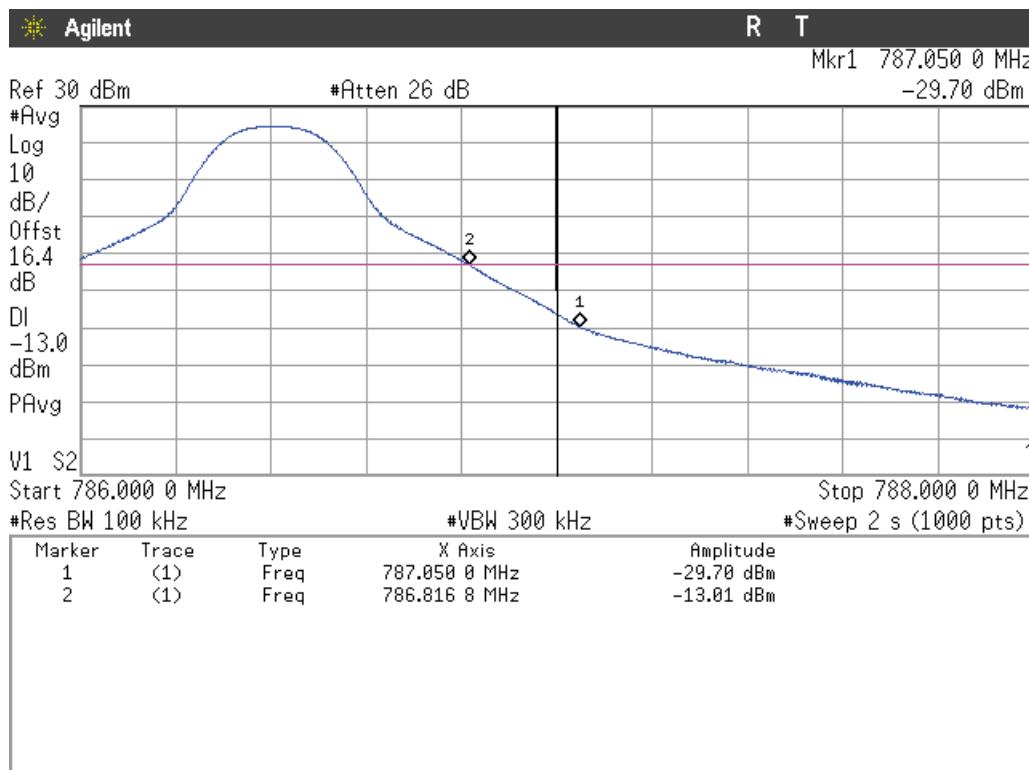


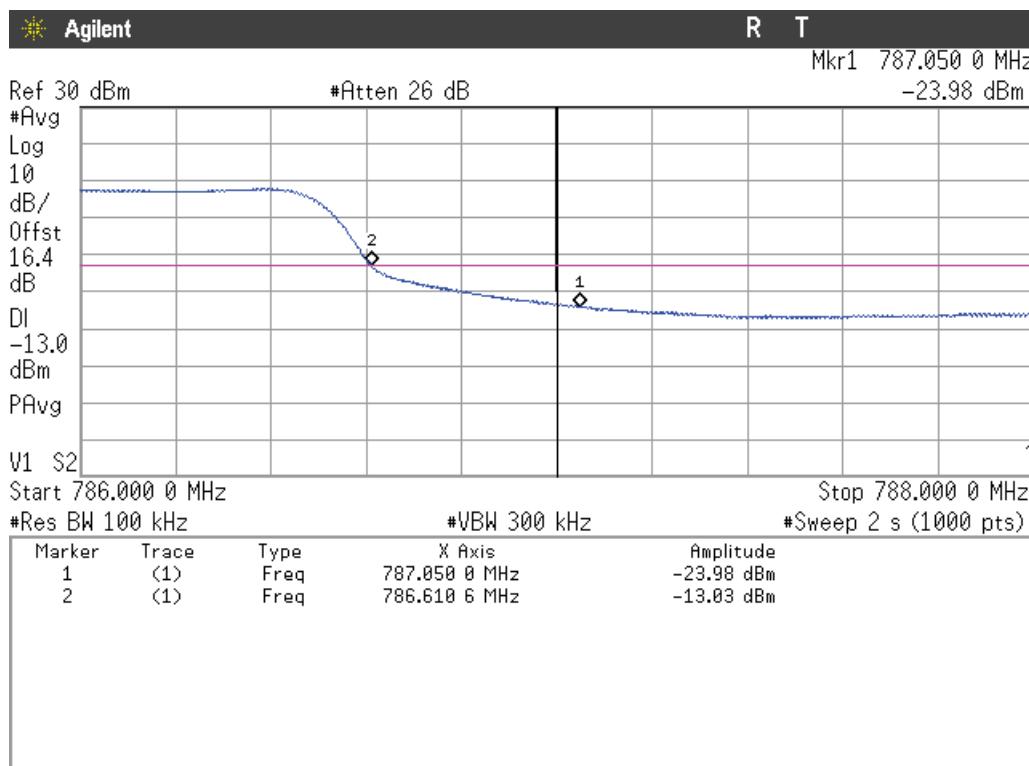
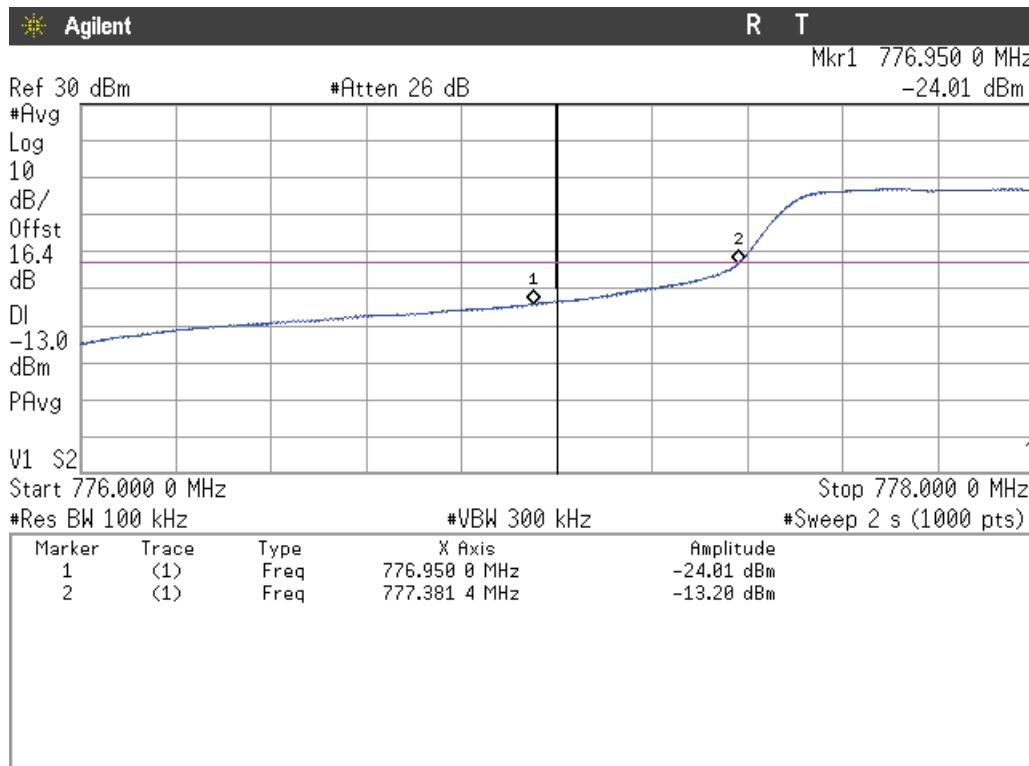
LTE Band 13. QPSK MODULATION. BW=5 MHz. RB=All. Offset=0. Lowest and Highest Block Edges:


LTE Band 13. QPSK MODULATION. BW=10 MHz. RB=1. Offset=0. Lowest Block Edge:

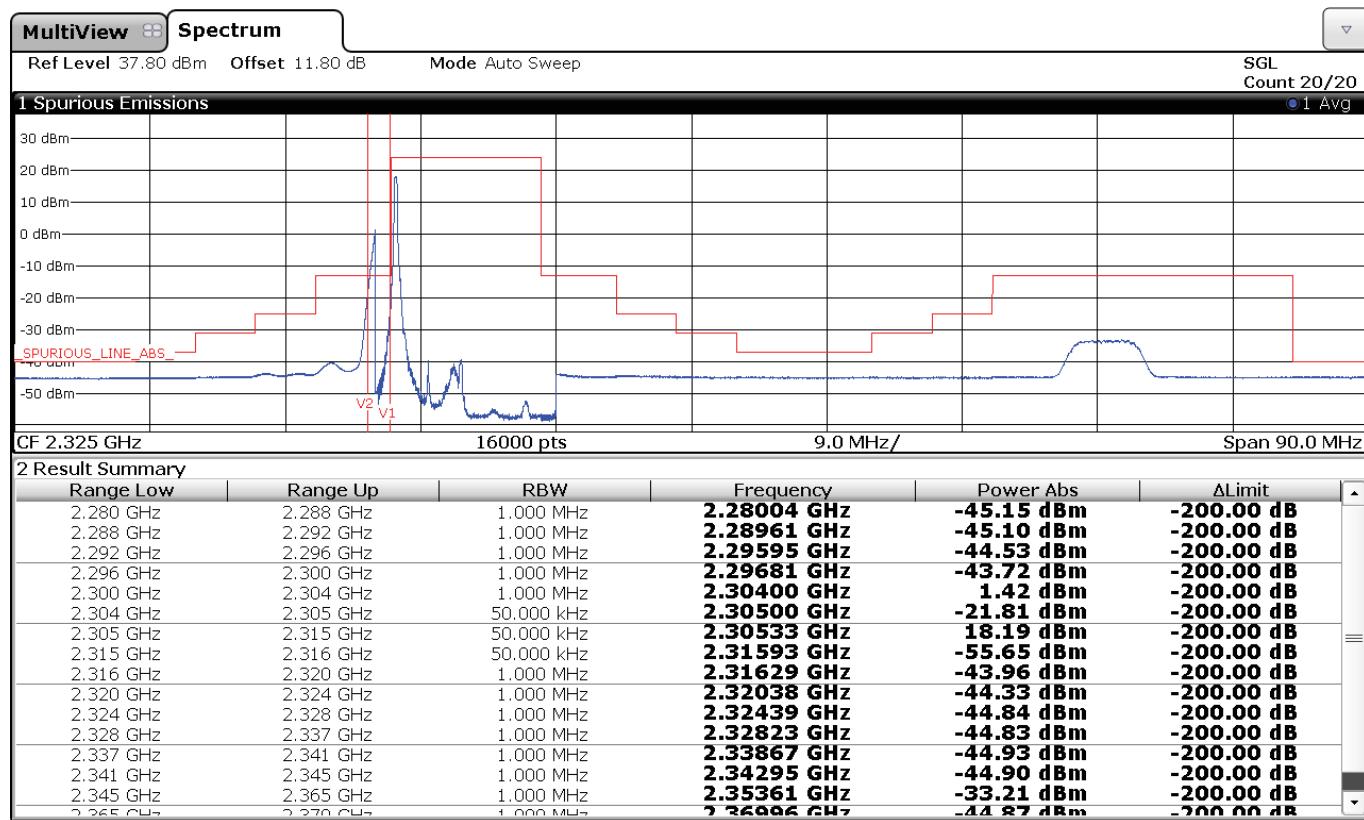


LTE Band 13. QPSK MODULATION. BW=10 MHz. RB=1. Offset=Max. Highest Block Edge:

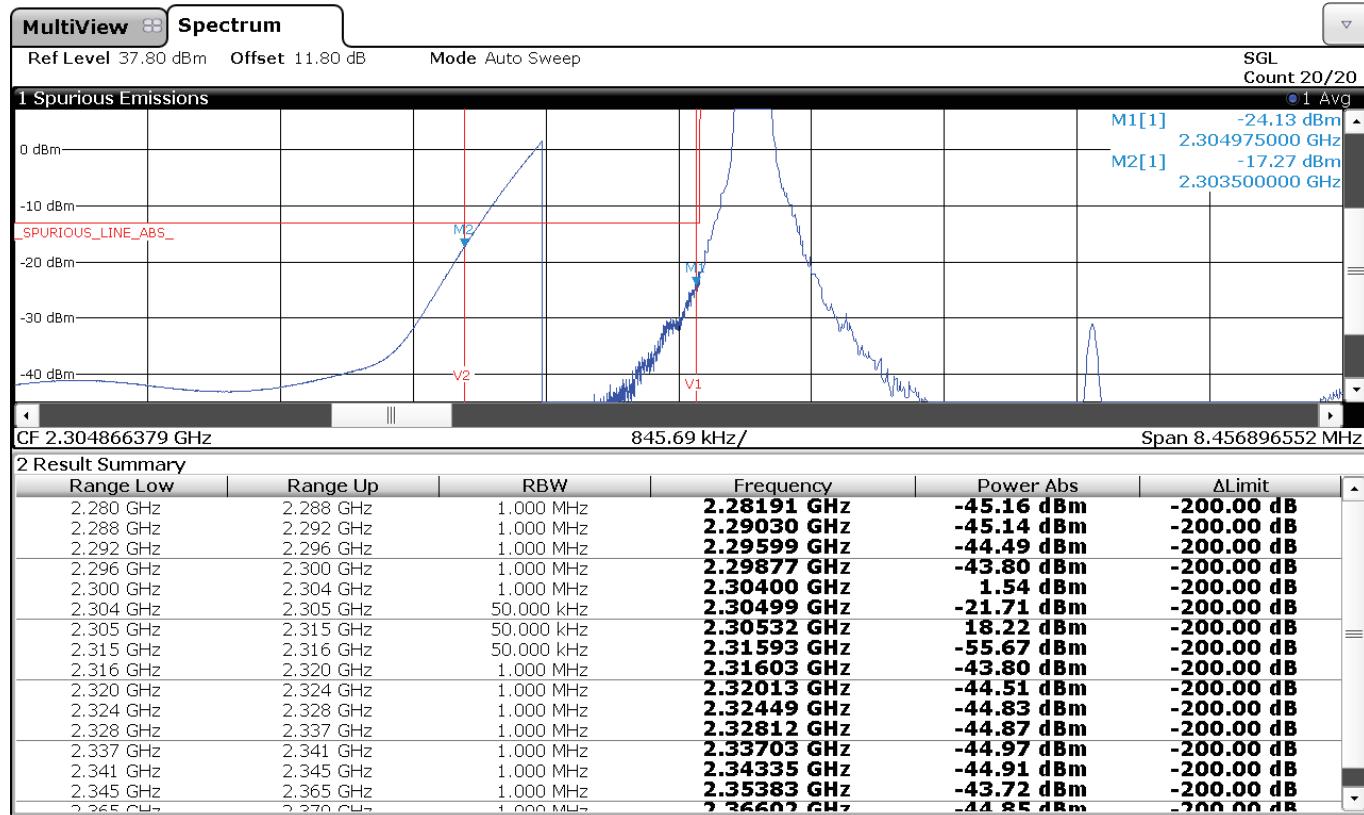


LTE Band 13. QPSK MODULATION. BW=10 MHz. RB=All. Offset=0. Lowest and Highest Block Edges:


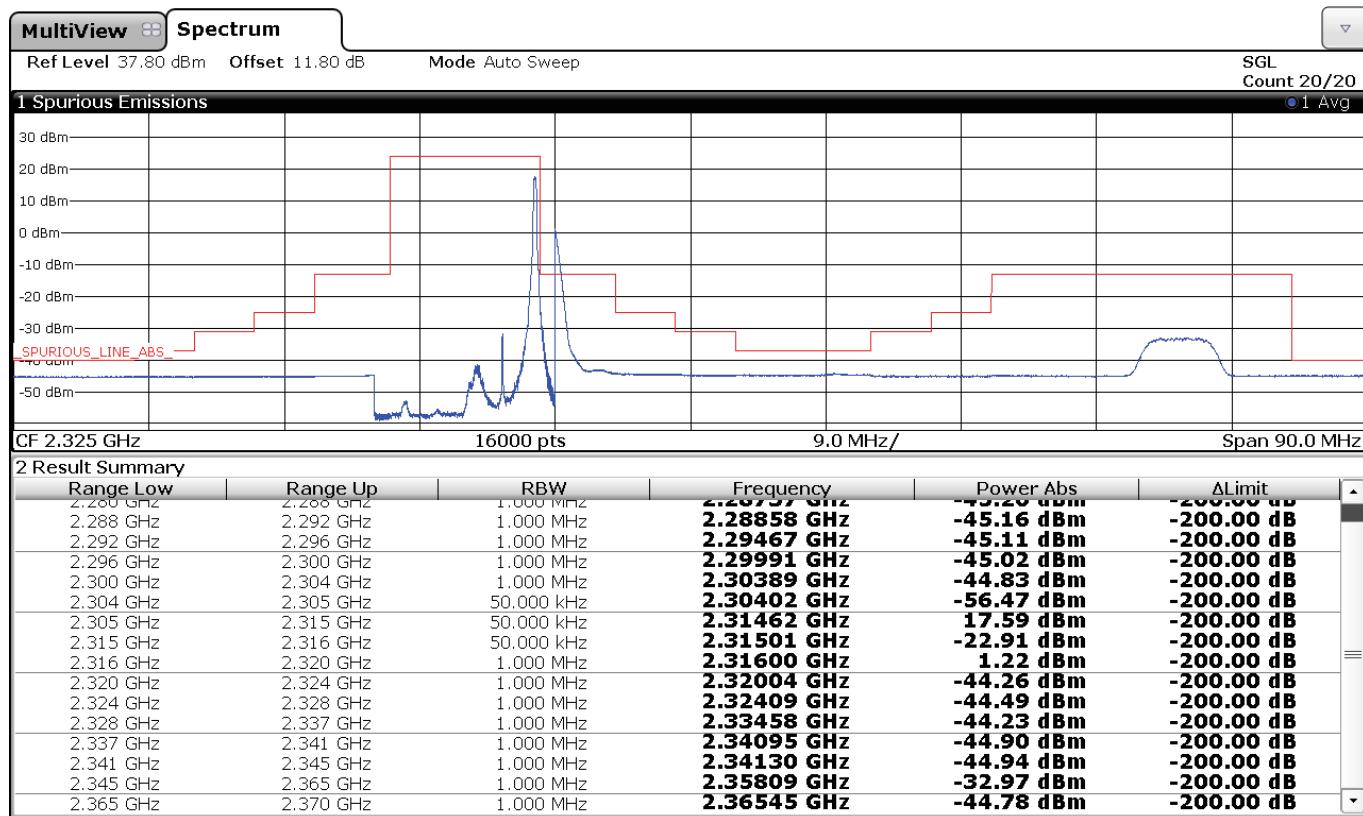
LTE Band 30. QPSK MODULATION. BW=5 MHz. RB=1. Offset=0. Lowest Block Edge:



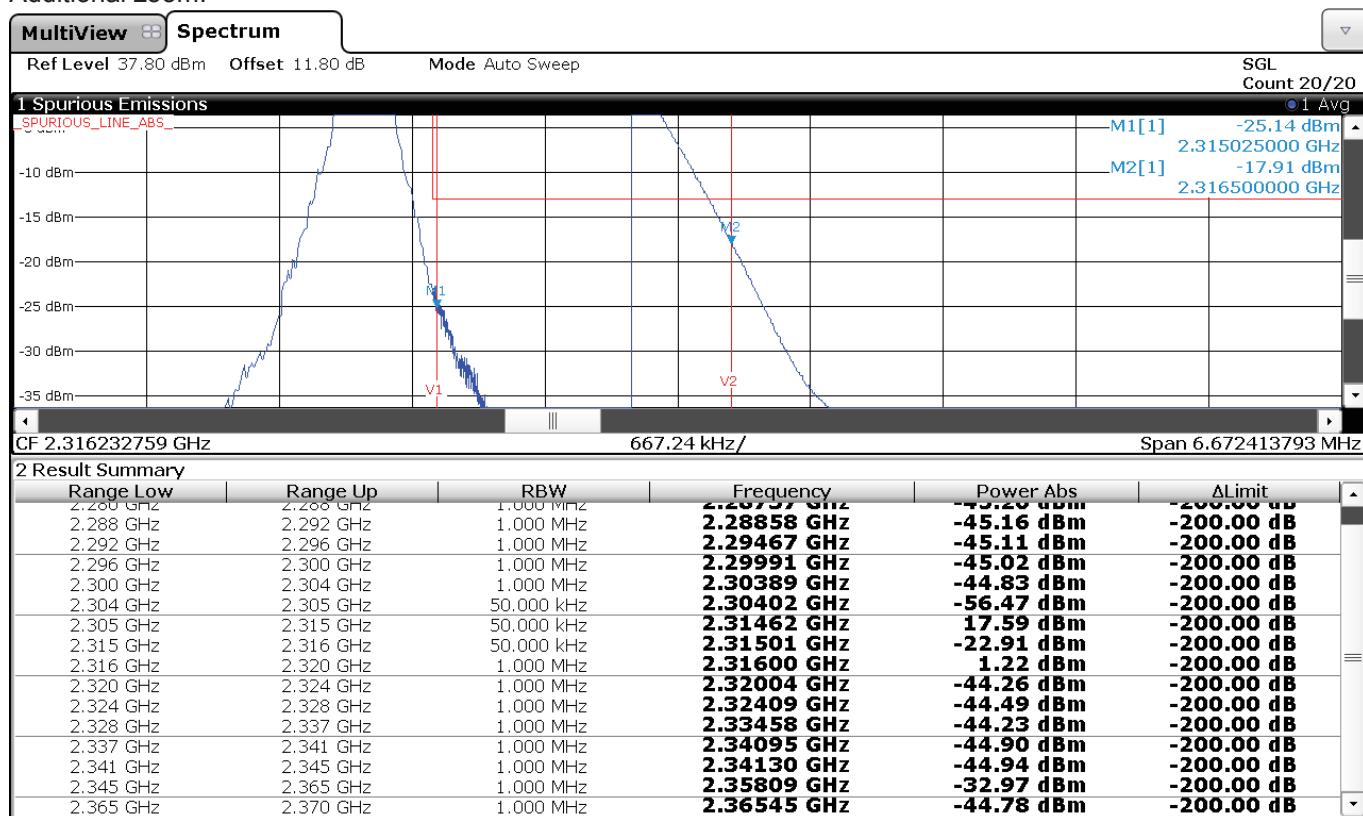
Additional zoom:



LTE Band 30. QPSK MODULATION. BW=5 MHz. RB=1. Offset=Max. Highest Block Edge:

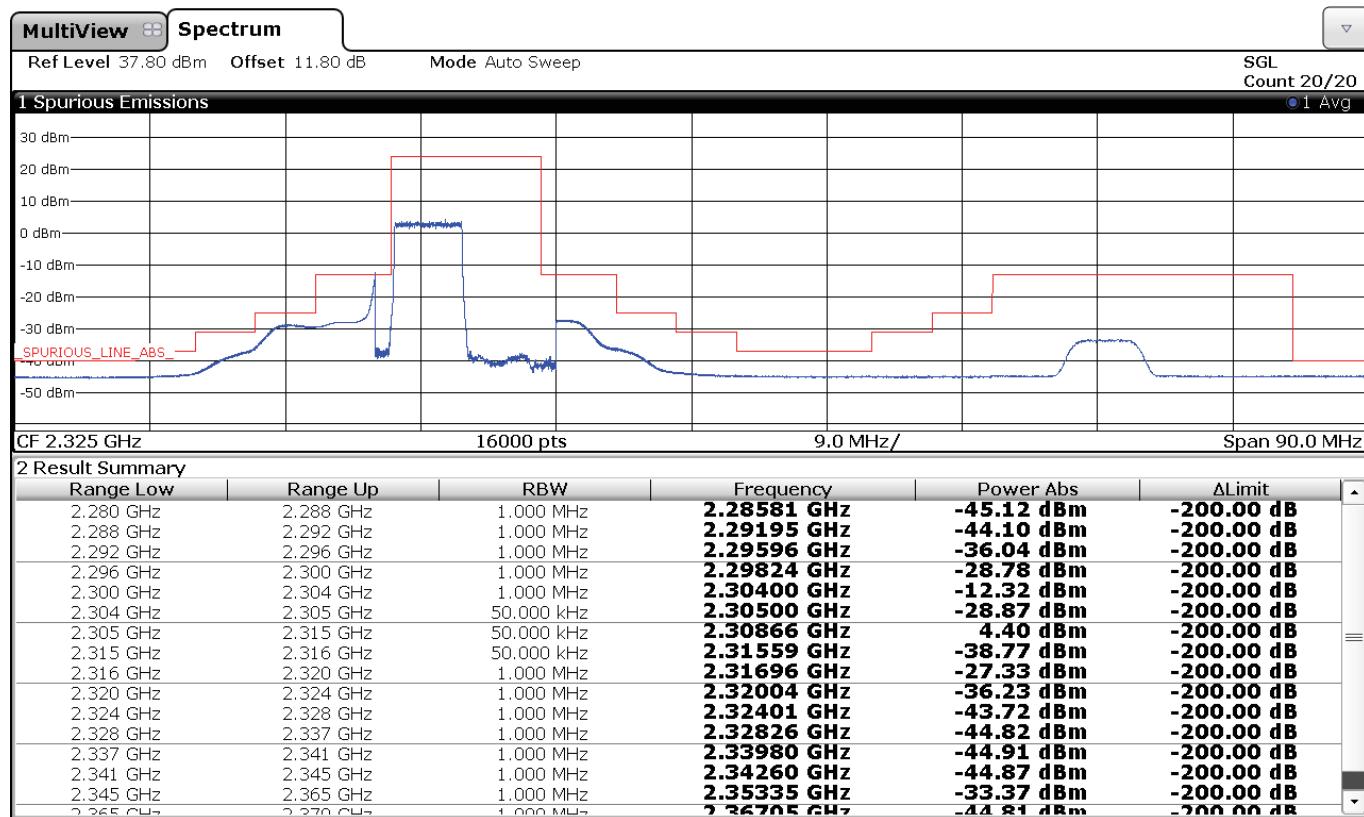


Additional zoom:

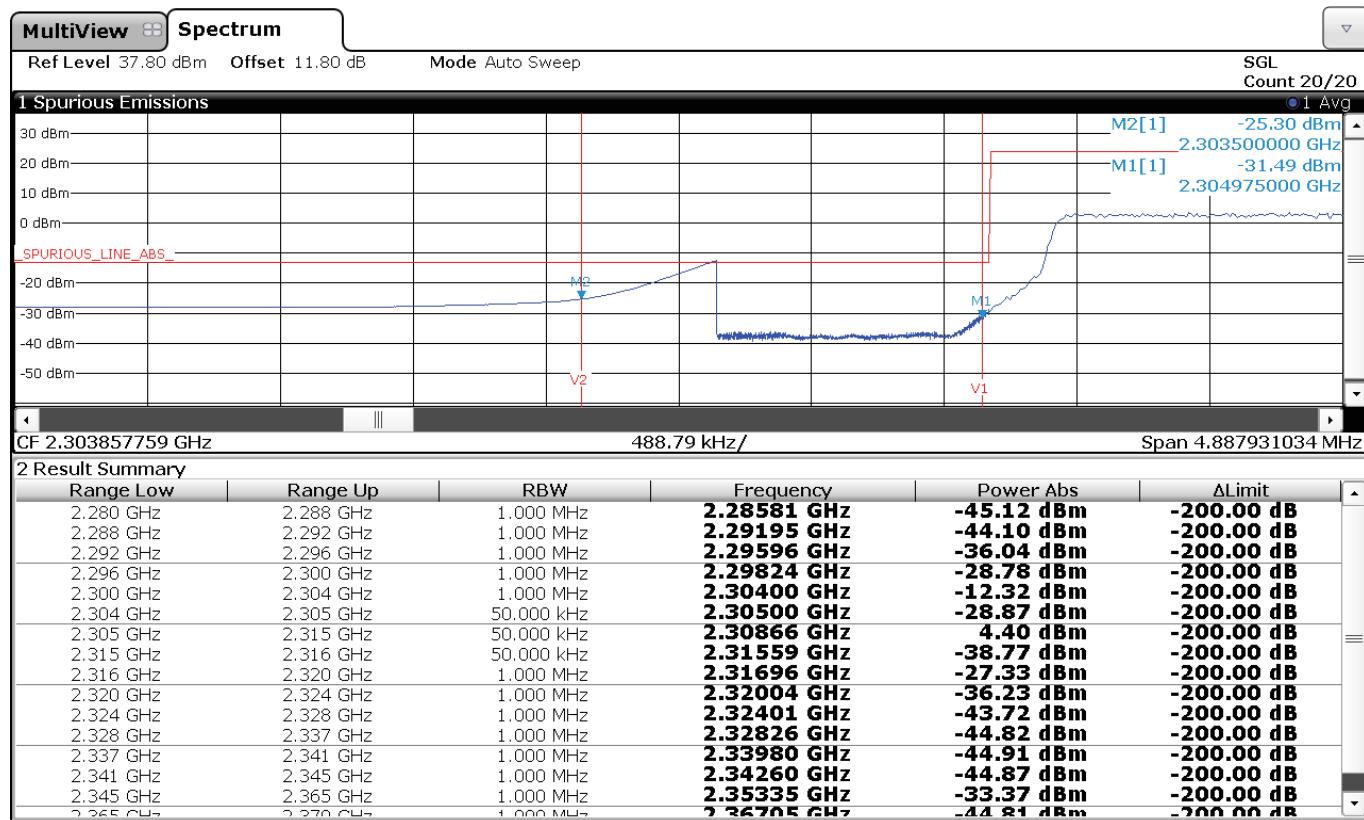


LTE Band 30. QPSK MODULATION. BW=5 MHz. RB=All. Offset=0. Lowest and Highest Block Edges:

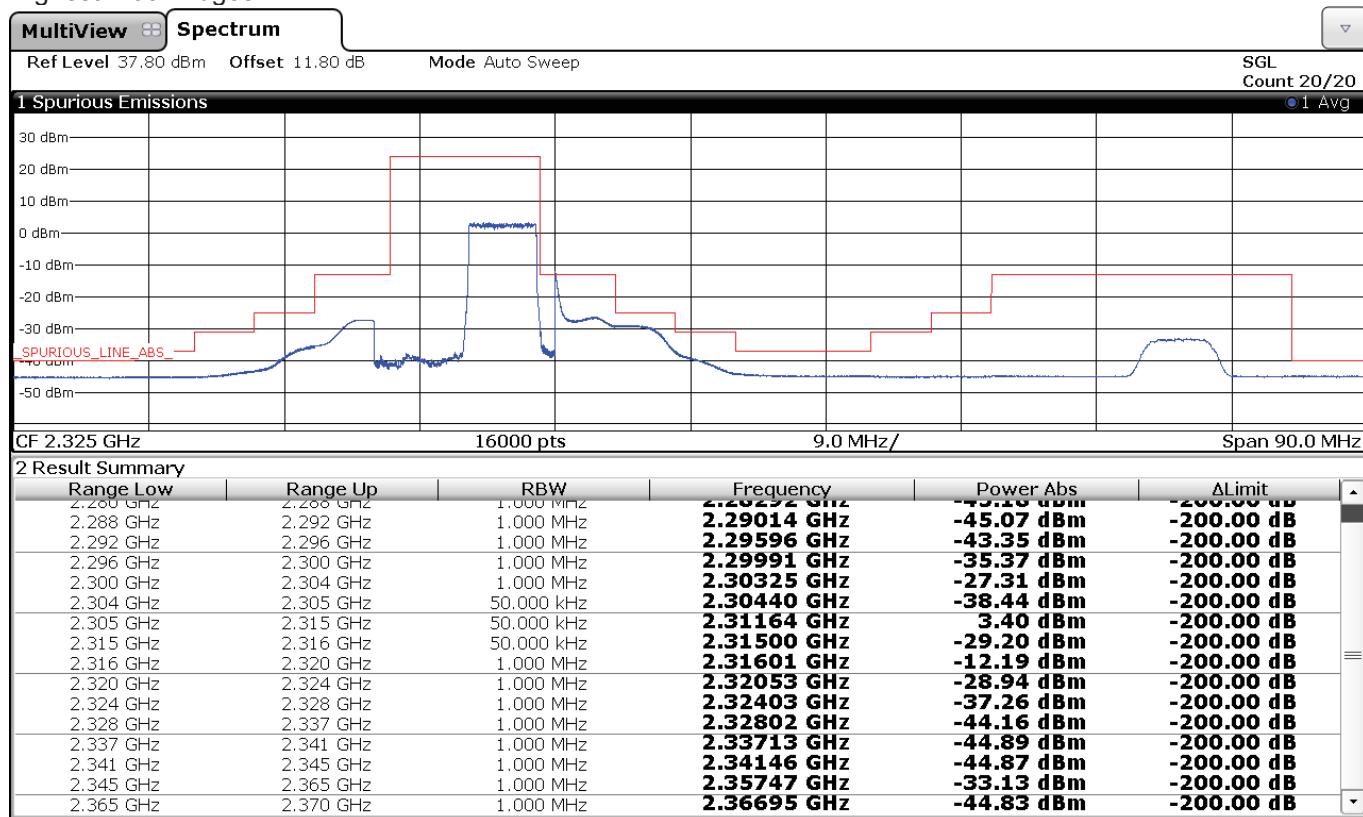
Lowest Block Edges



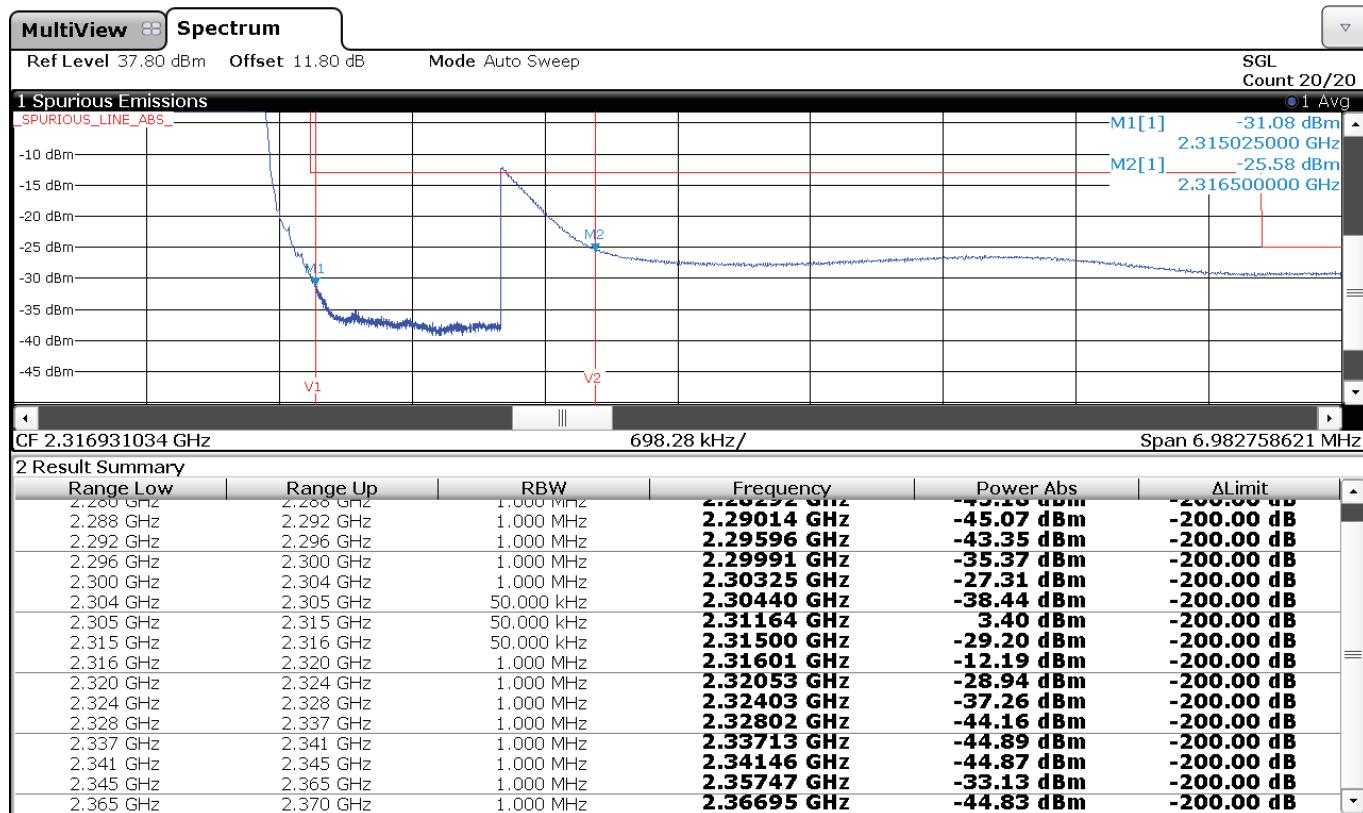
Additional zoom:



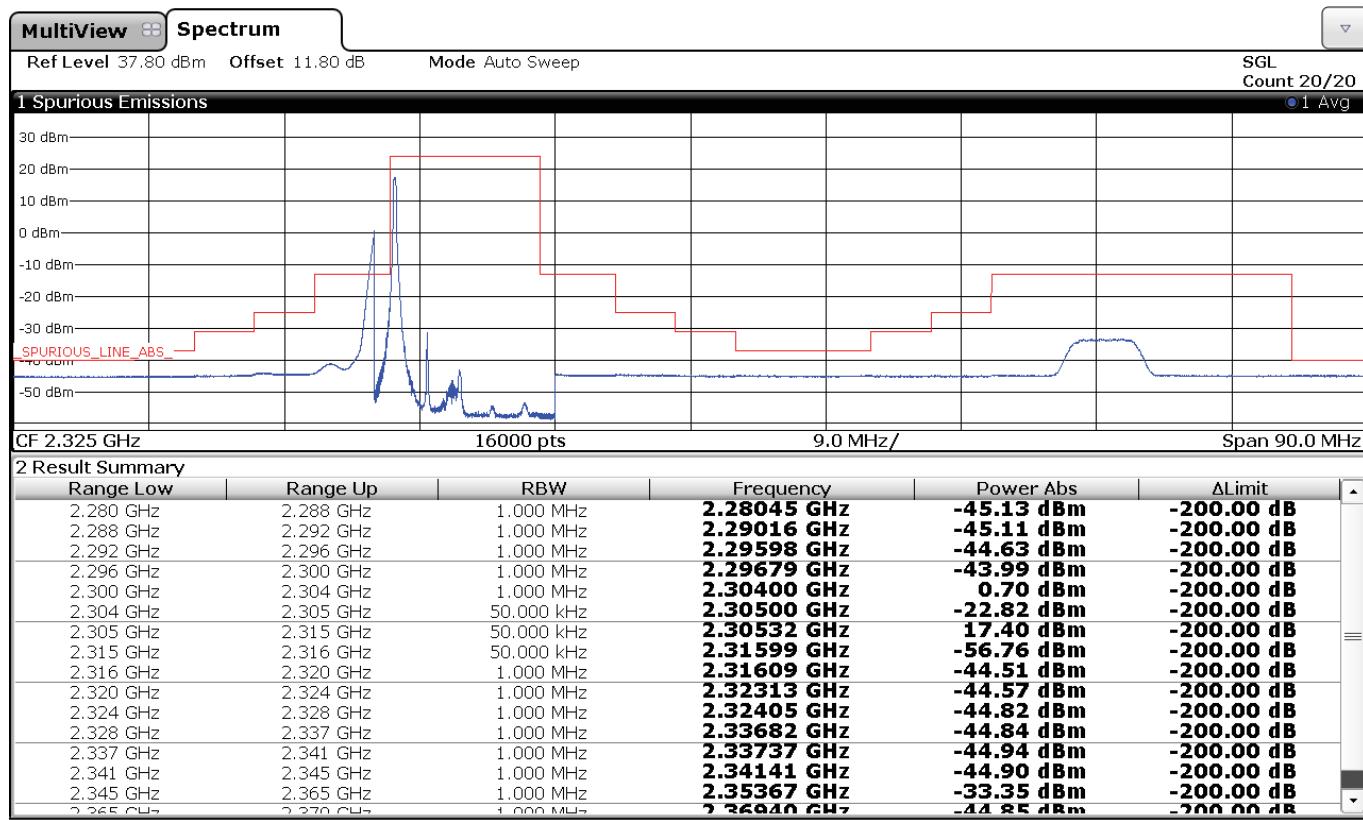
Highest Block Edges:



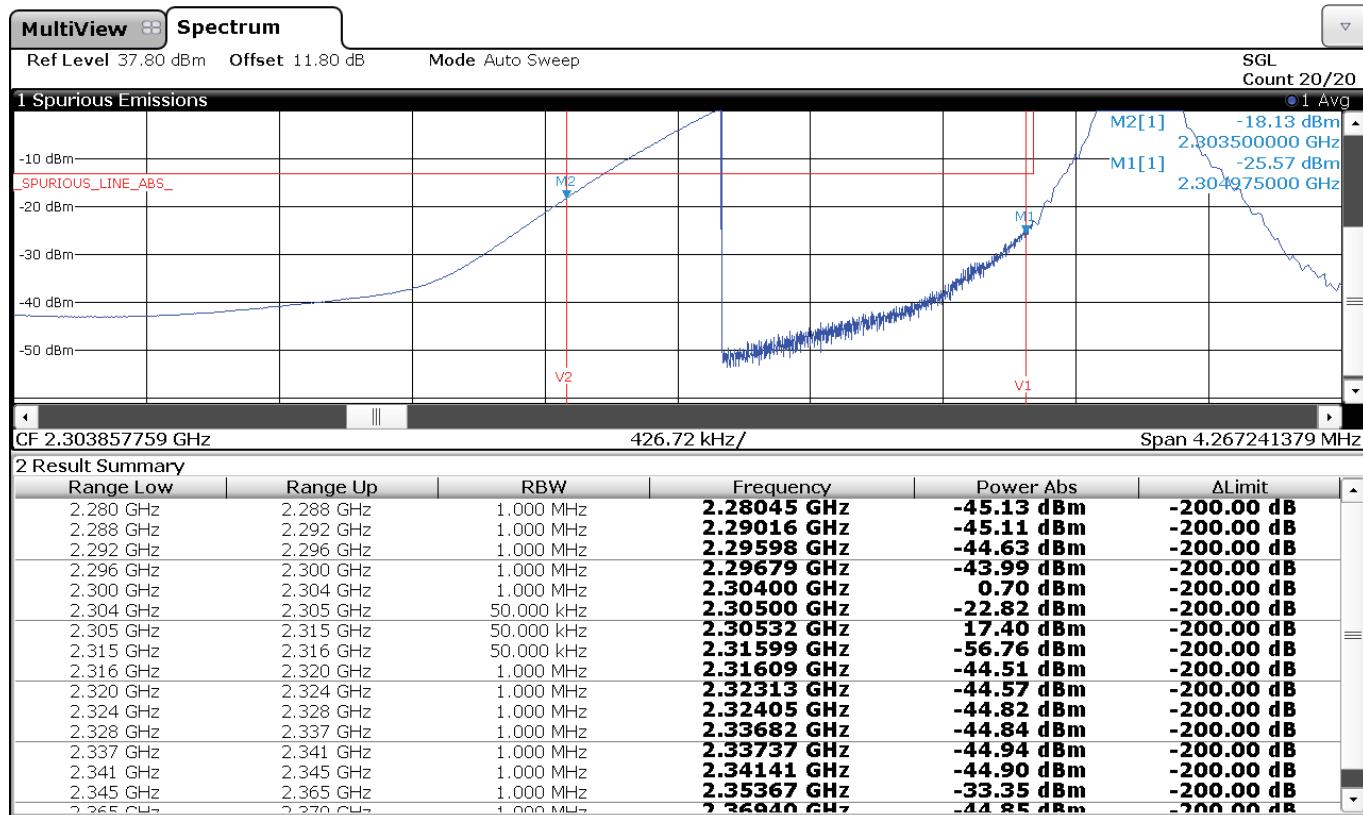
Additional zoom:



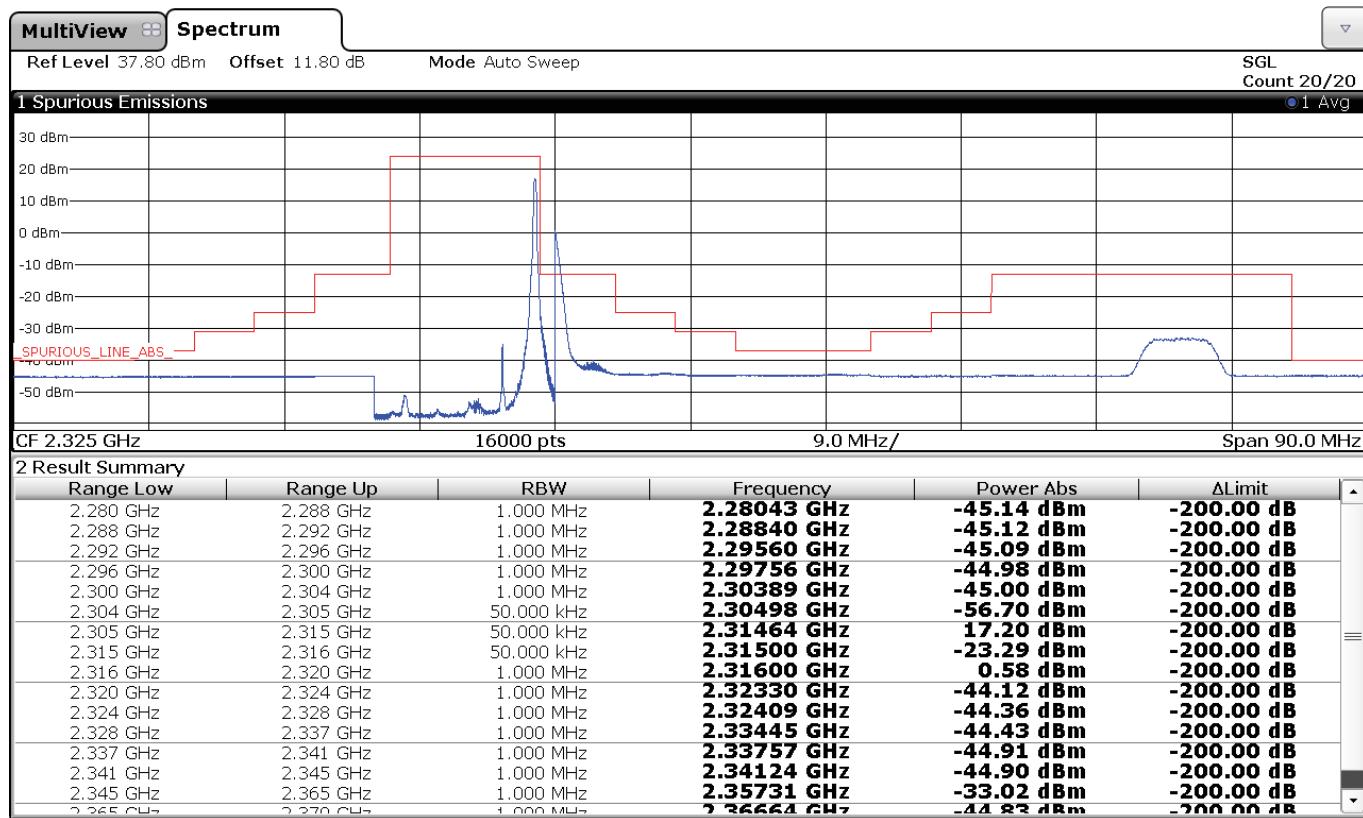
LTE Band 30. 16QAM MODULATION. BW=5 MHz. RB=1. Offset=0. Lowest Block Edge:



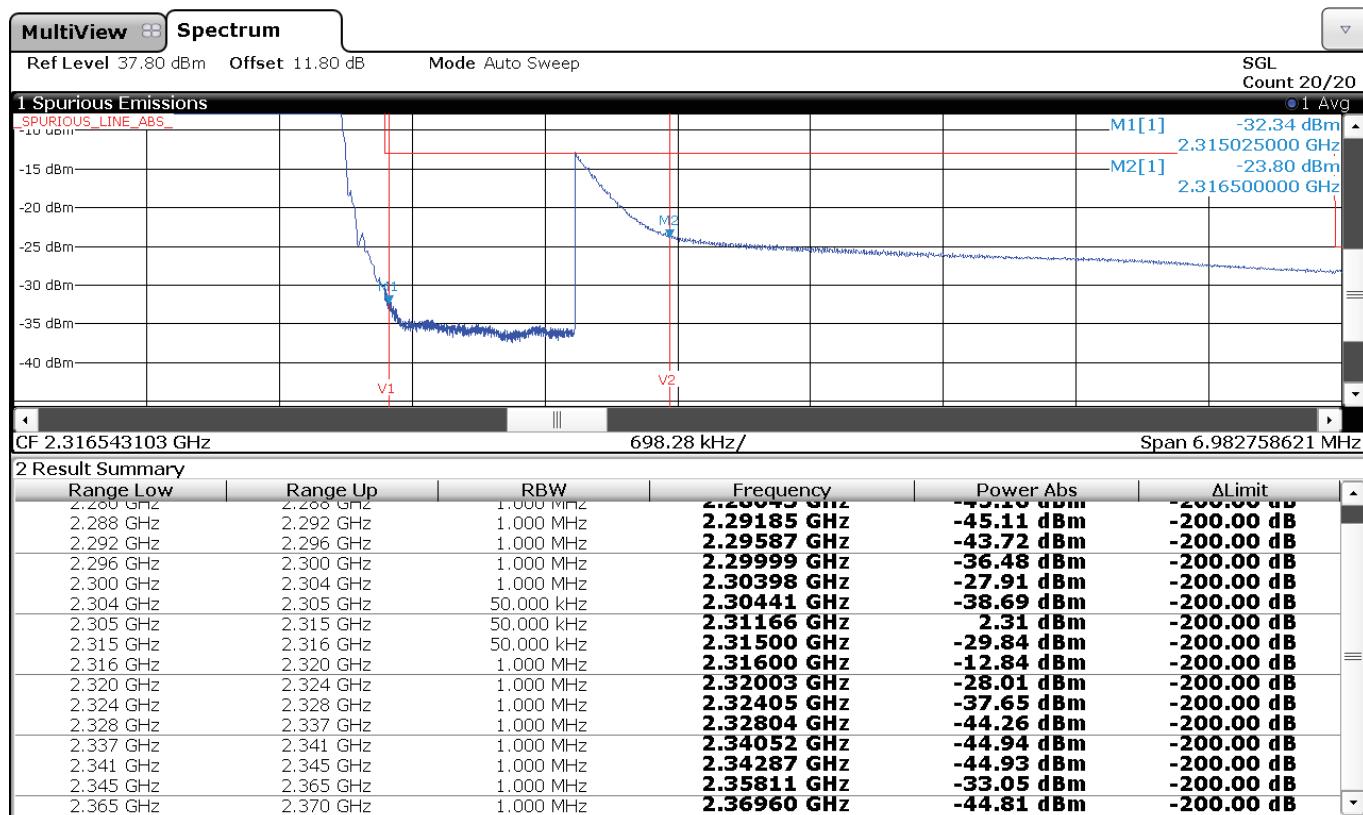
Additional zoom:



LTE Band 30. 16QAM MODULATION. BW=5 MHz. RB=1. Offset=Max. Highest Block Edge:

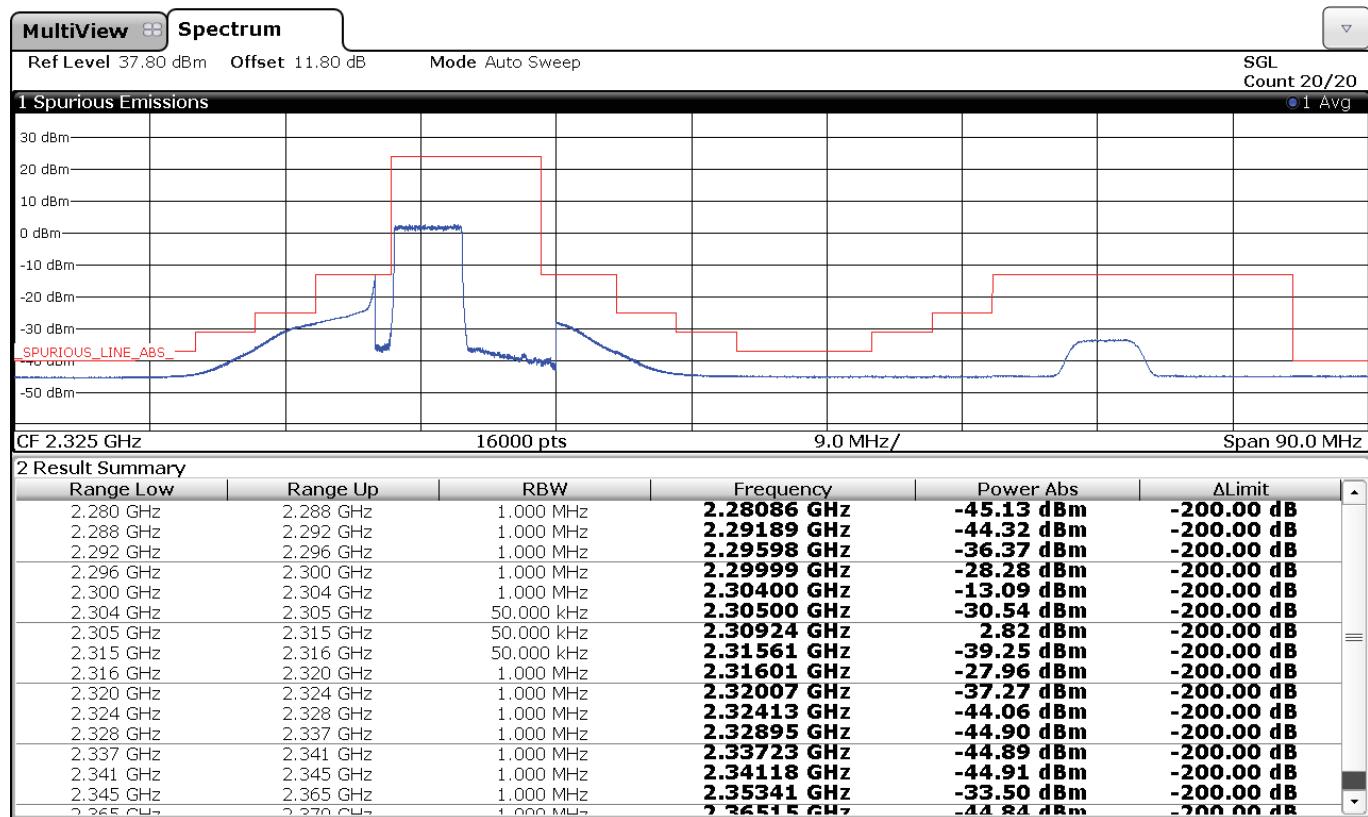


Additional zoom:

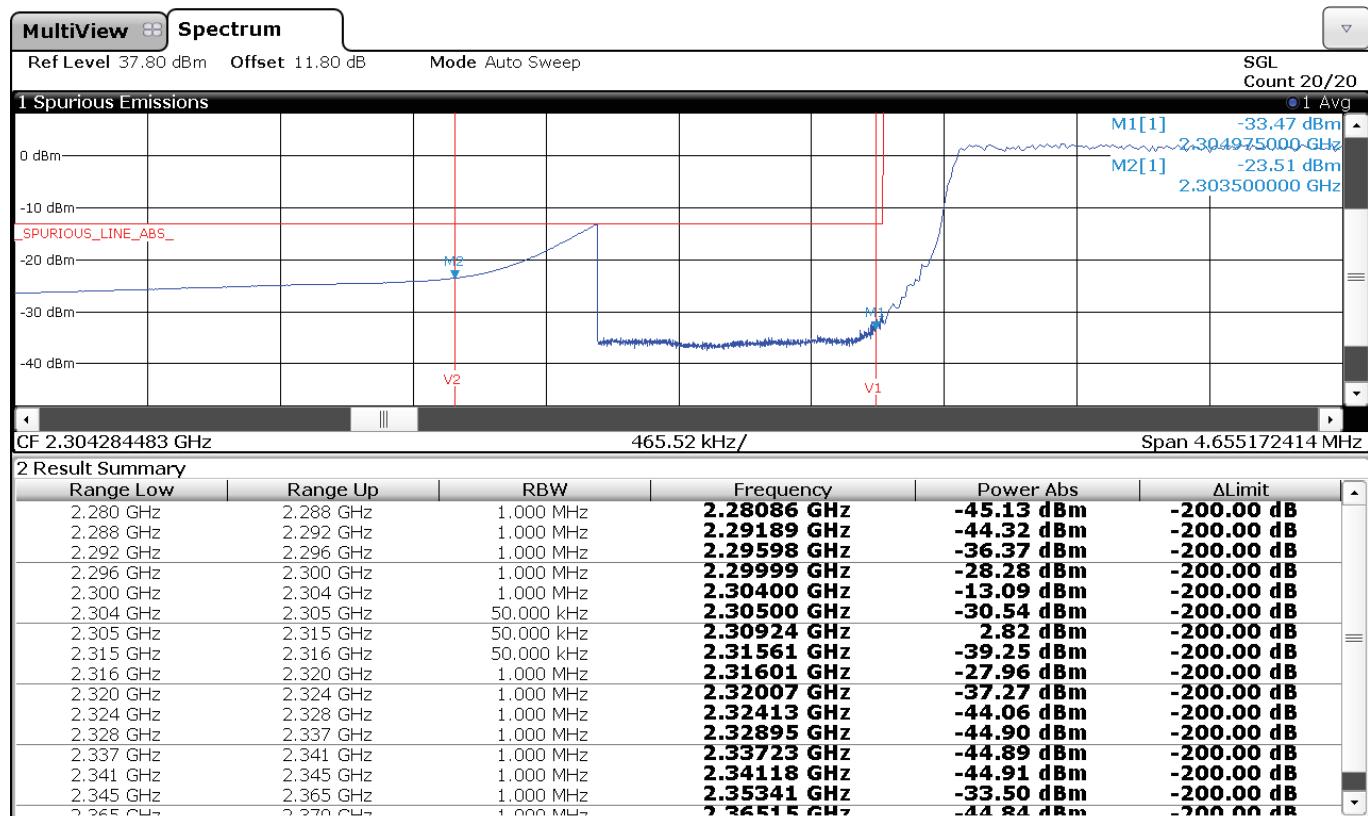


LTE Band 30. 16QAM MODULATION. BW=5 MHz. RB=All. Offset=0. Lowest and Highest Block Edges:

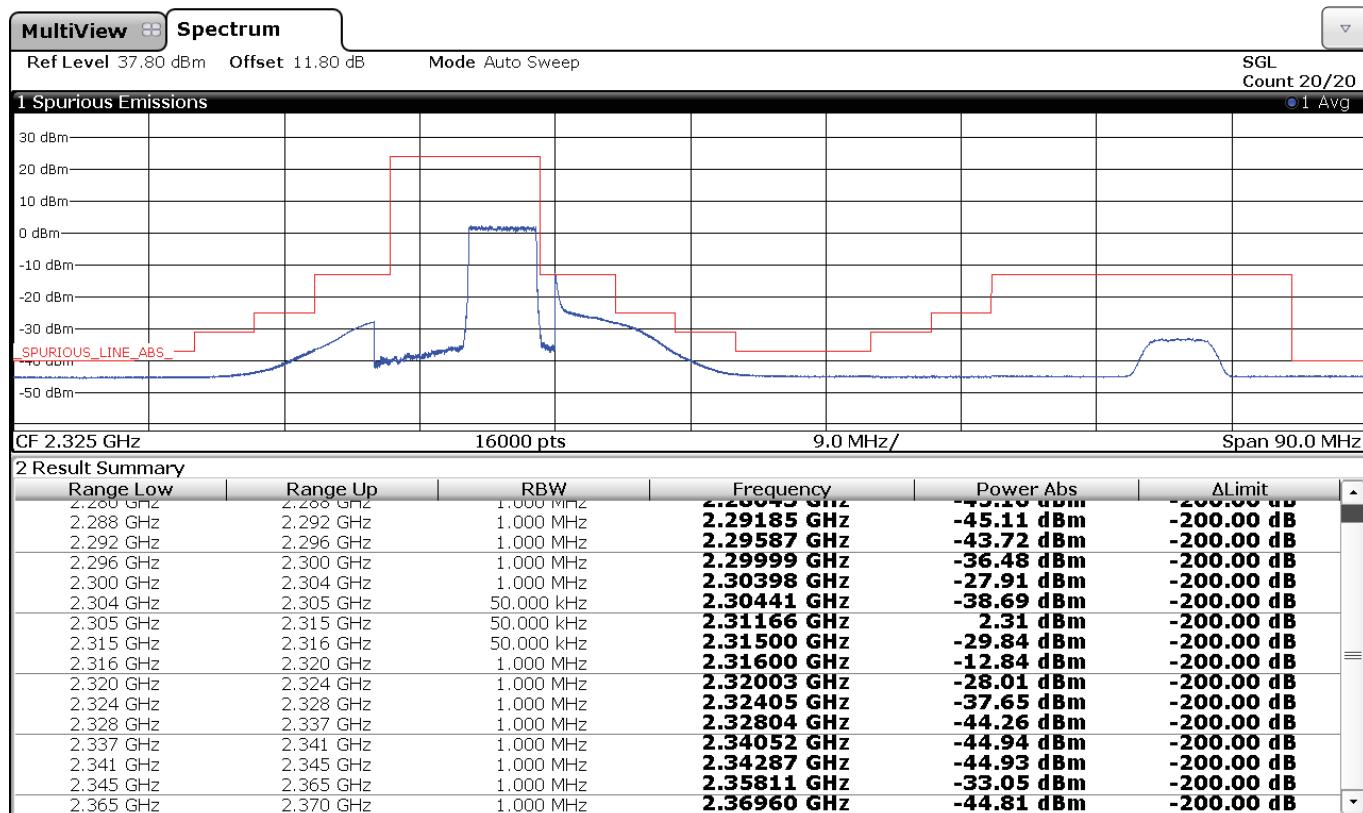
Lowest Block Edges



Additional zoom:



Highest Block Edges:



Additional zoom:

