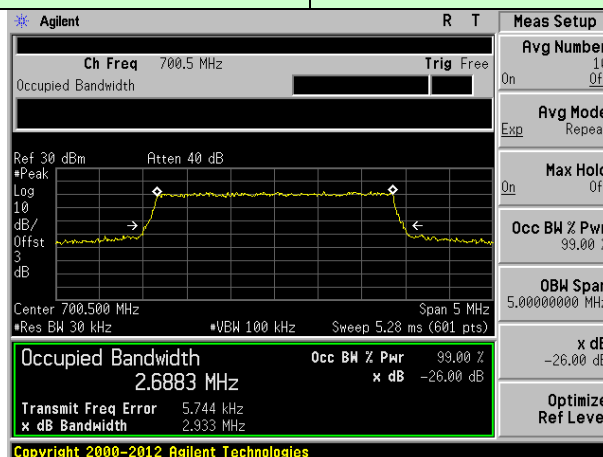
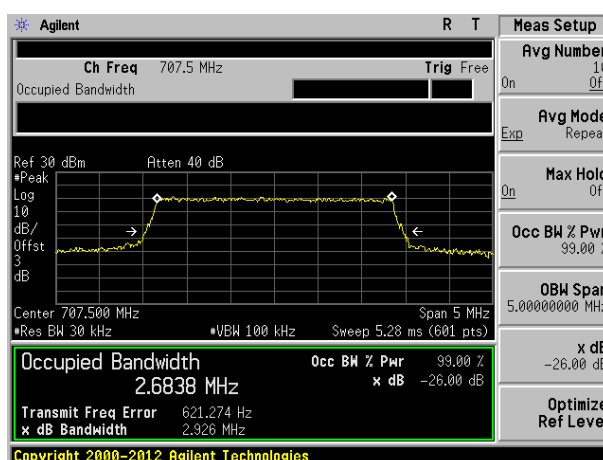


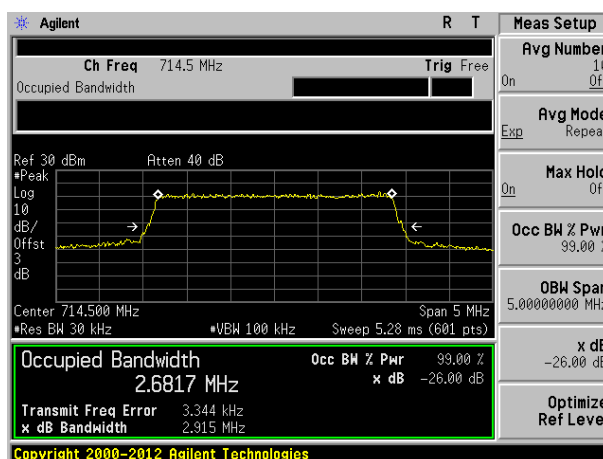
Test band: LTE Band 12	Channel Bandwidth: 3MHz
------------------------	-------------------------



Lowest channel



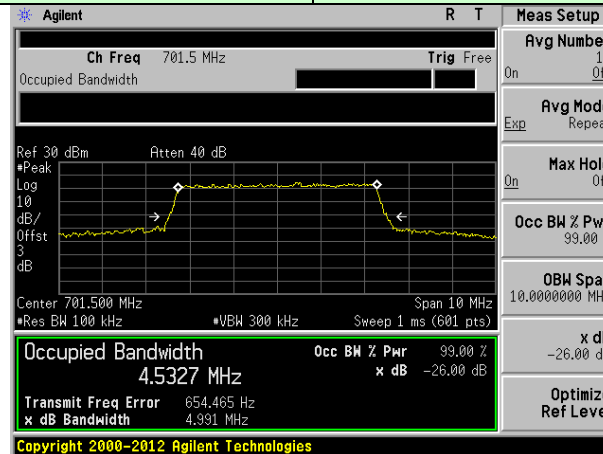
Middle channel



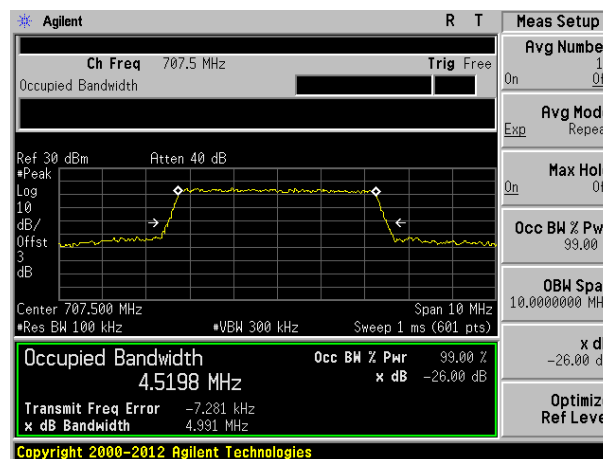
Highest channel

Test band: LTE Band 12

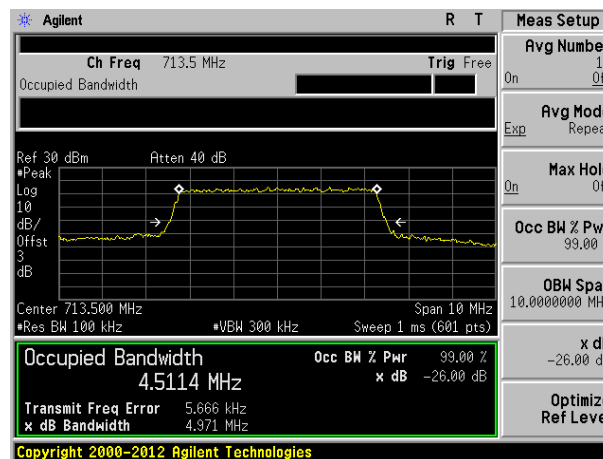
Channel Bandwidth: 5MHz



Lowest channel

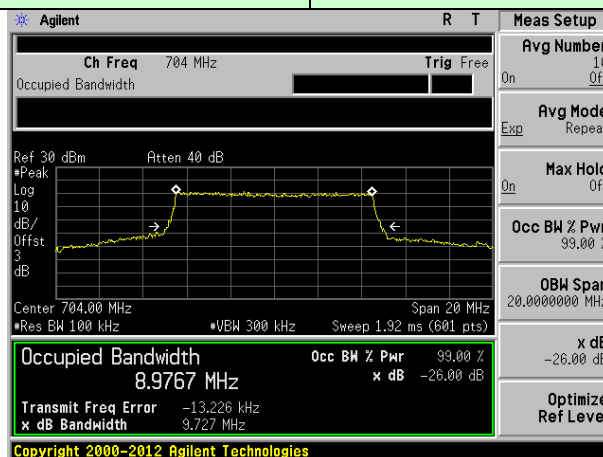


Middle channel

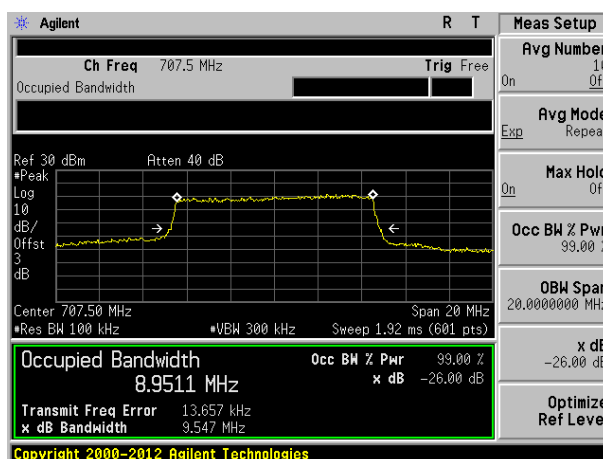


Highest channel

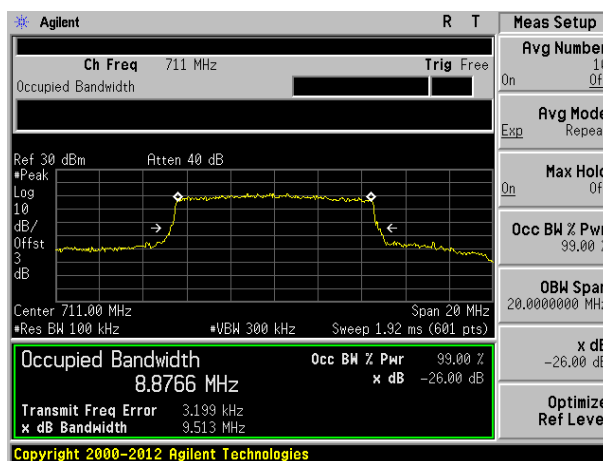
Test band: LTE Band 12	Channel Bandwidth: 10MHz
------------------------	--------------------------



Lowest channel



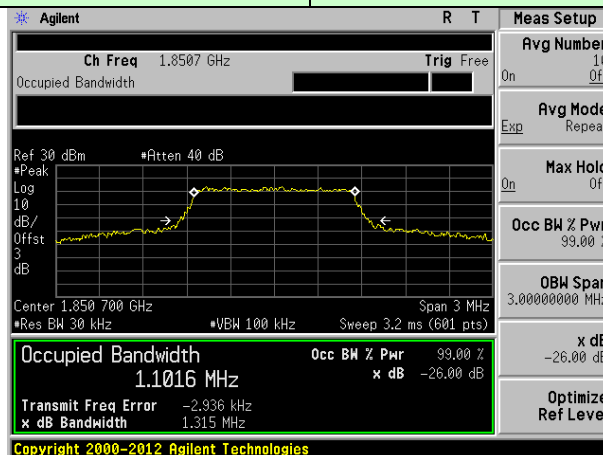
Middle channel



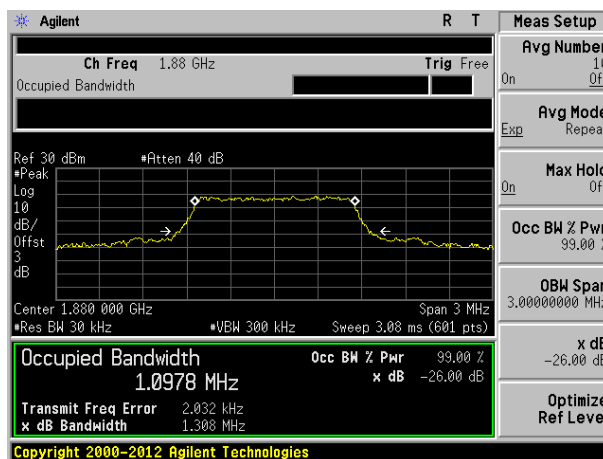
Highest channel

16QAM mode:

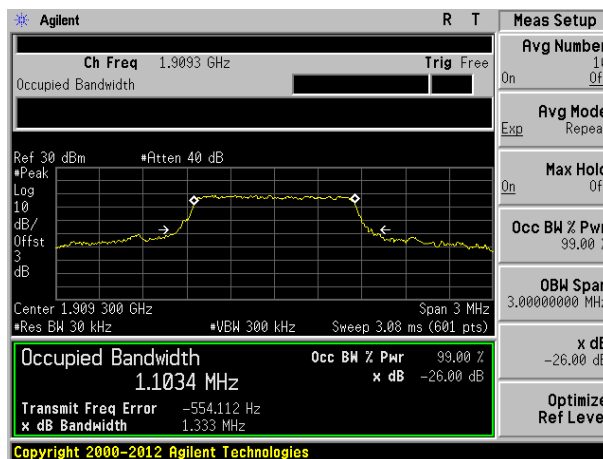
Test band: LTE Band 2	Channel Bandwidth: 1.4MHz
-----------------------	---------------------------



Lowest channel

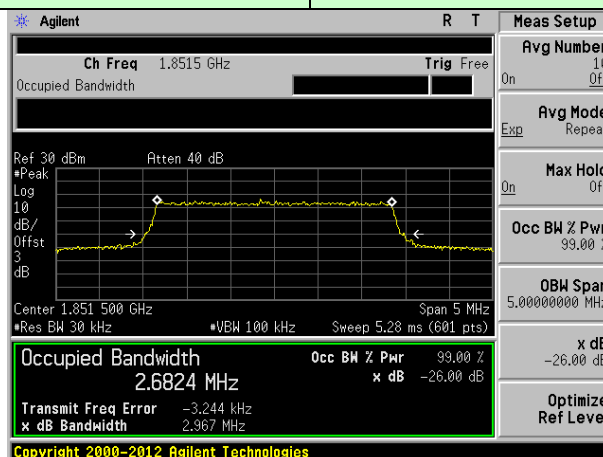


Middle channel

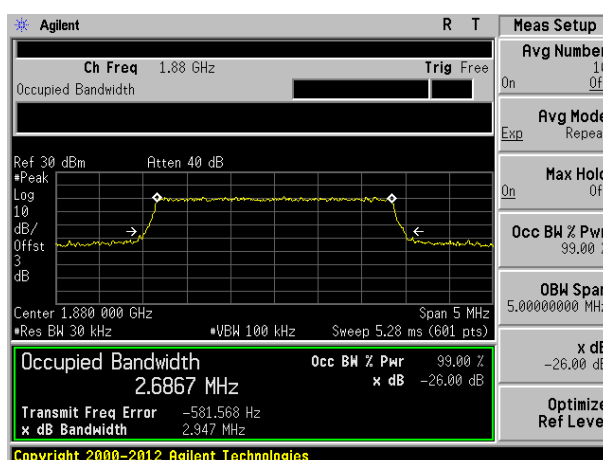


Highest channel

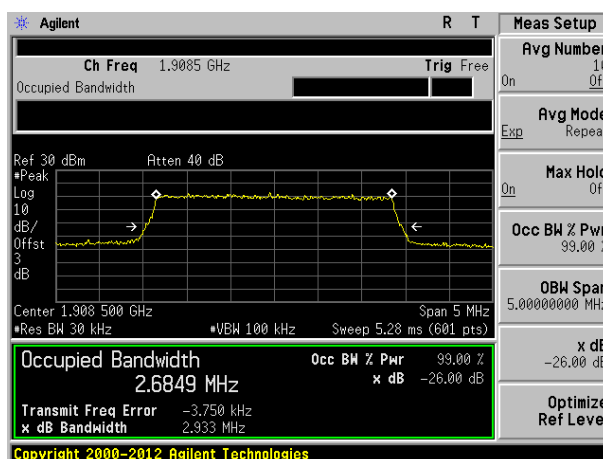
Test band: LTE Band 2	Channel Bandwidth:3MHz
-----------------------	------------------------



Lowest channel

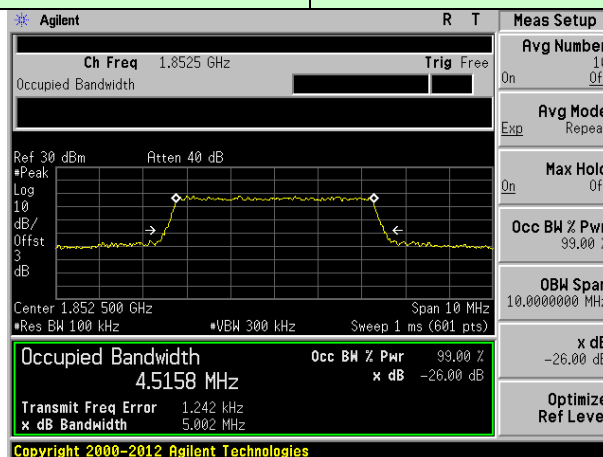


Middle channel

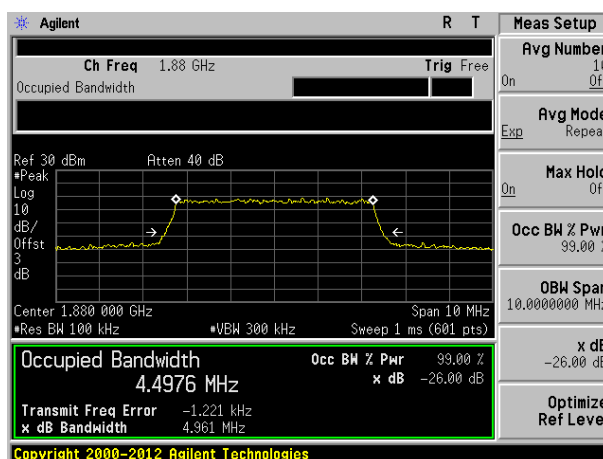


Highest channel

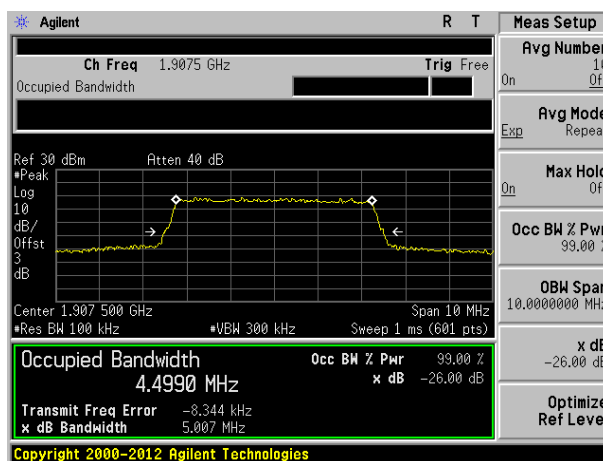
Test band: LTE Band 2	Channel Bandwidth: 5MHz
-----------------------	-------------------------



Lowest channel

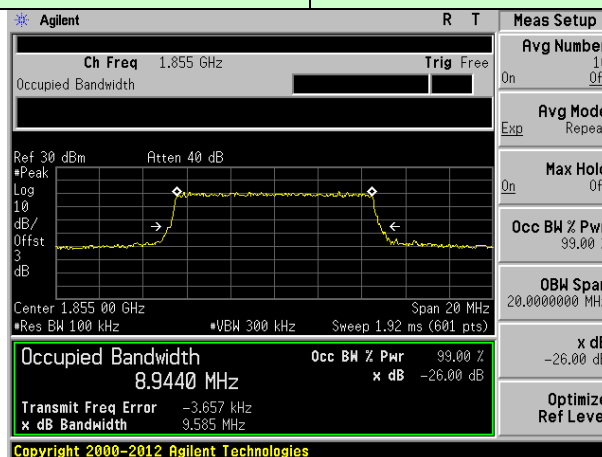


Middle channel

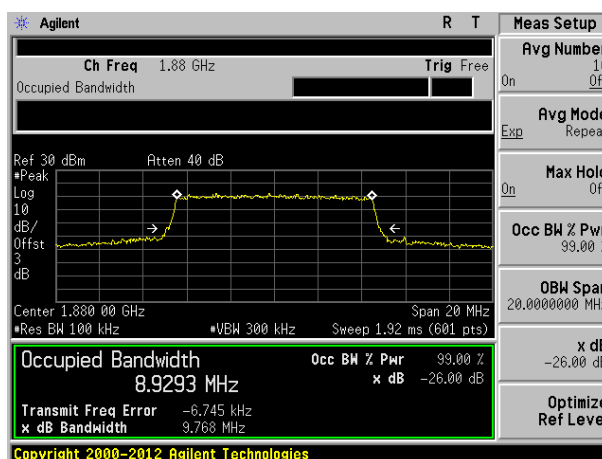


Highest channel

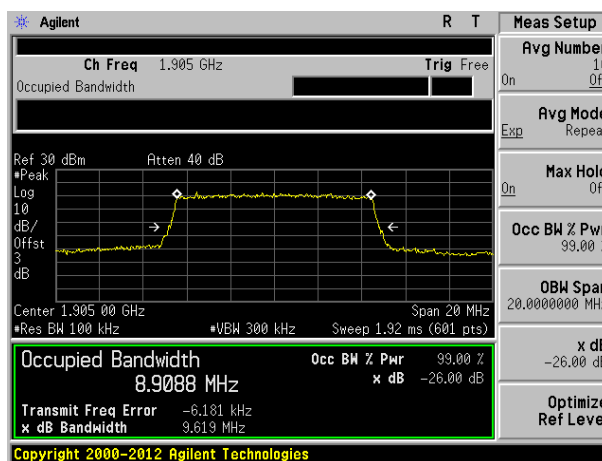
Test band: LTE Band 2	Channel Bandwidth:10MHz
-----------------------	-------------------------



Lowest channel

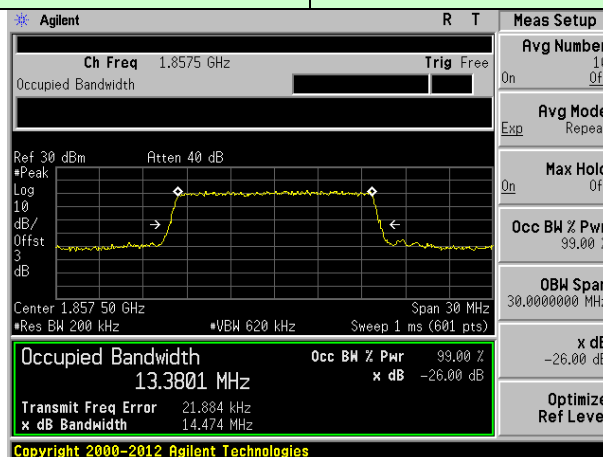


Middle channel

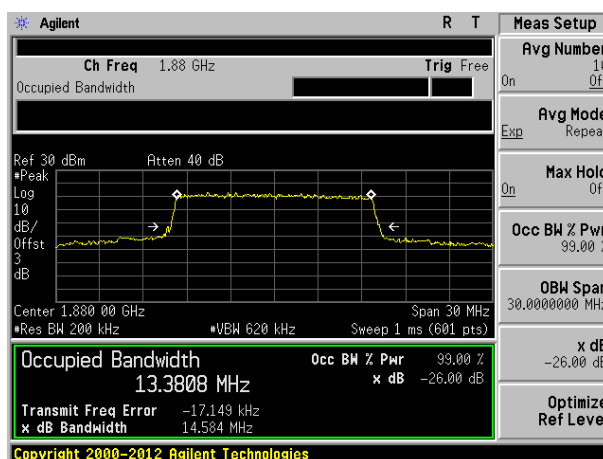


Highest channel

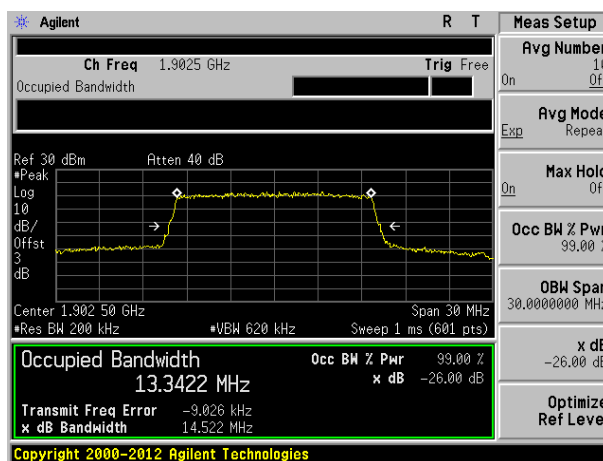
Test band: LTE Band 2	Channel Bandwidth:15MHz
-----------------------	-------------------------



Lowest channel

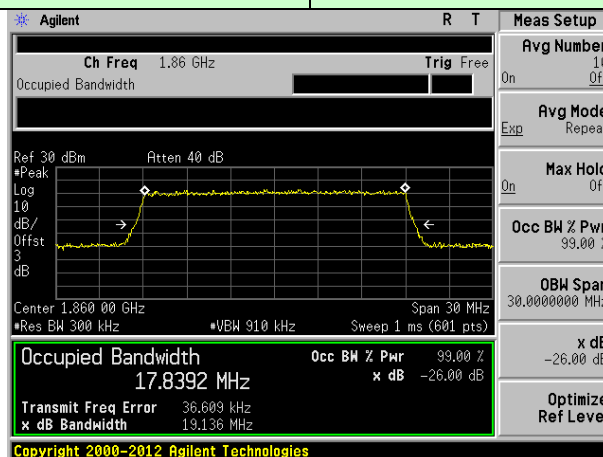


Middle channel

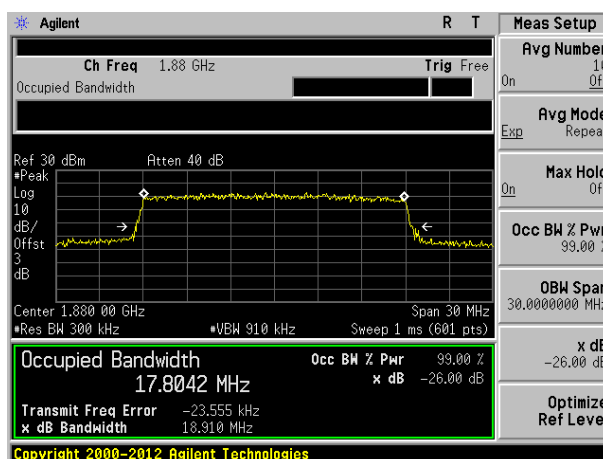


Highest channel

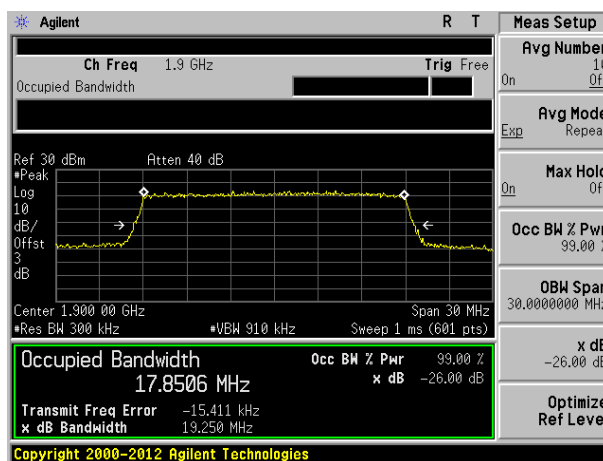
Test band: LTE Band 2	Channel Bandwidth:20MHz
-----------------------	-------------------------



Lowest channel

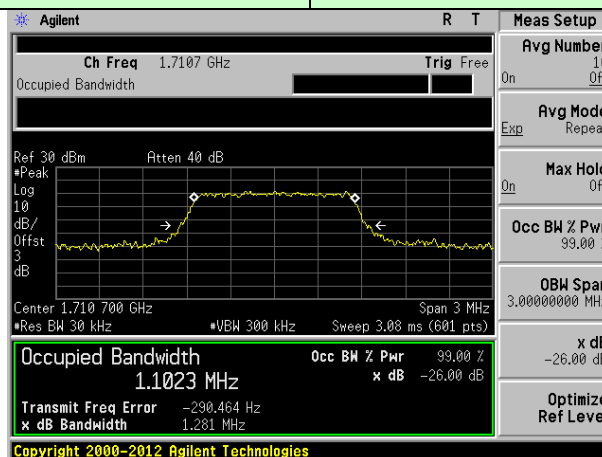


Middle channel

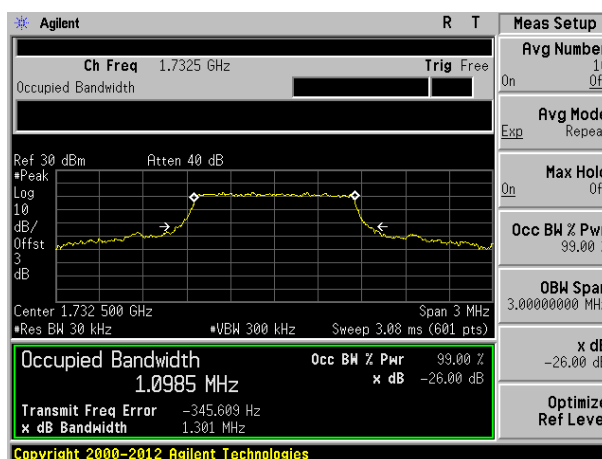


Highest channel

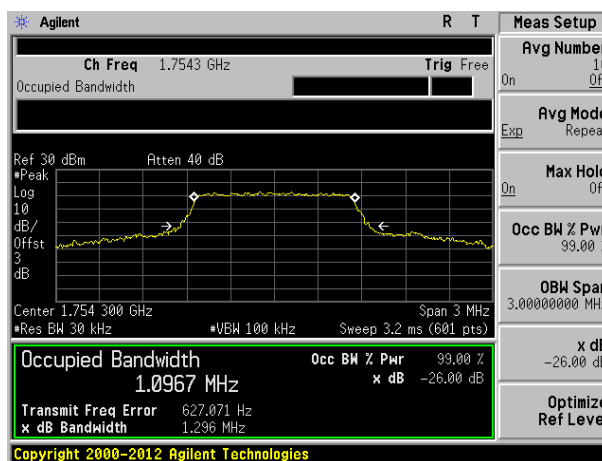
Test band: LTE Band 4	Channel Bandwidth: 1.4MHz
-----------------------	---------------------------



Lowest channel

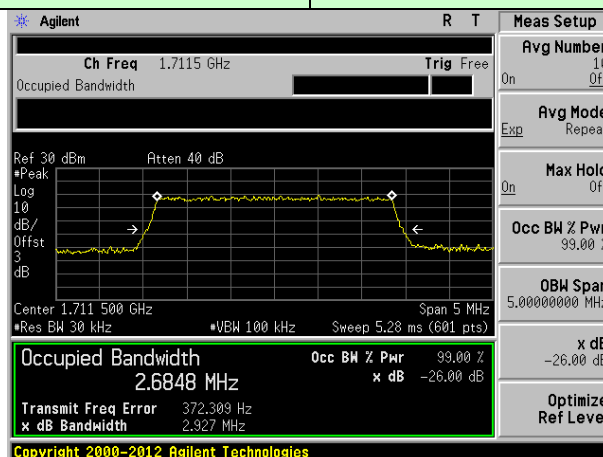


Middle channel

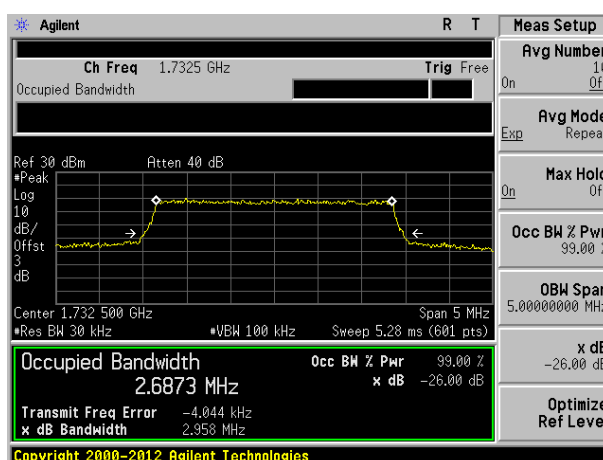


Highest channel

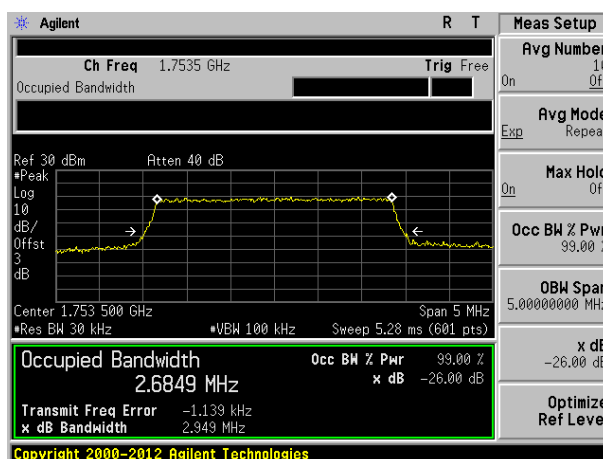
Test band: LTE Band 4	Channel Bandwidth: 3MHz
-----------------------	-------------------------



Lowest channel

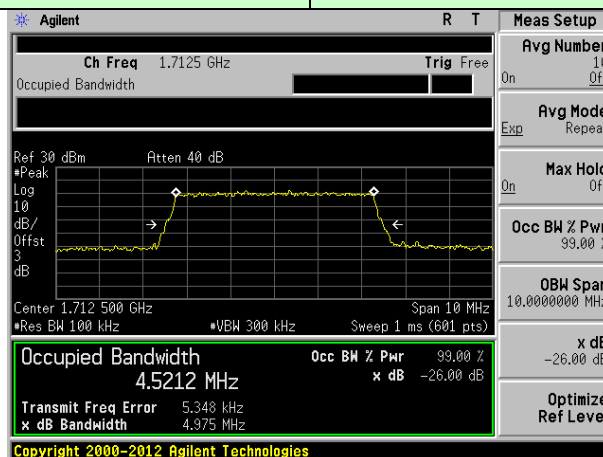


Middle channel

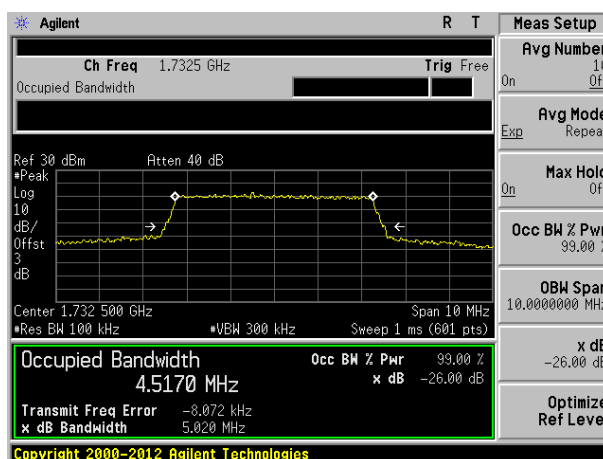


Highest channel

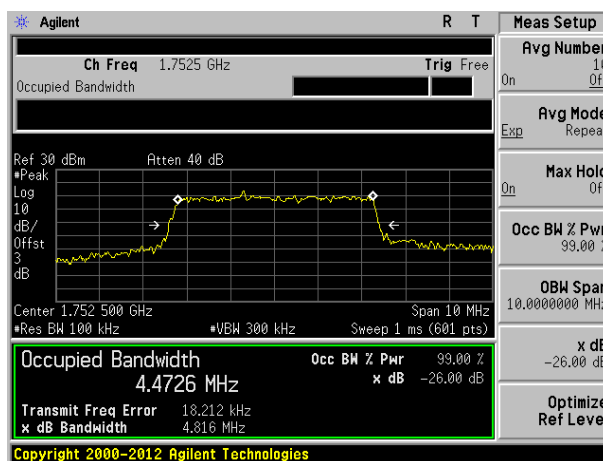
Test band: LTE Band 4	Channel Bandwidth: 5MHz
-----------------------	-------------------------



Lowest channel

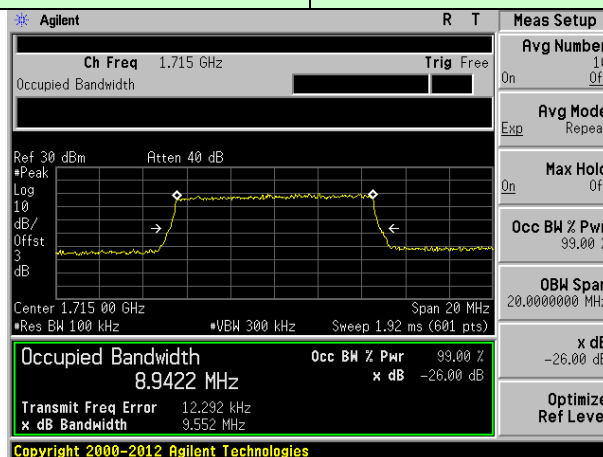


Middle channel

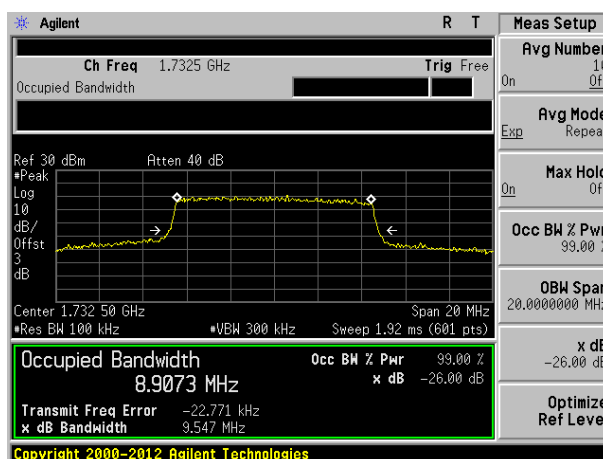


Highest channel

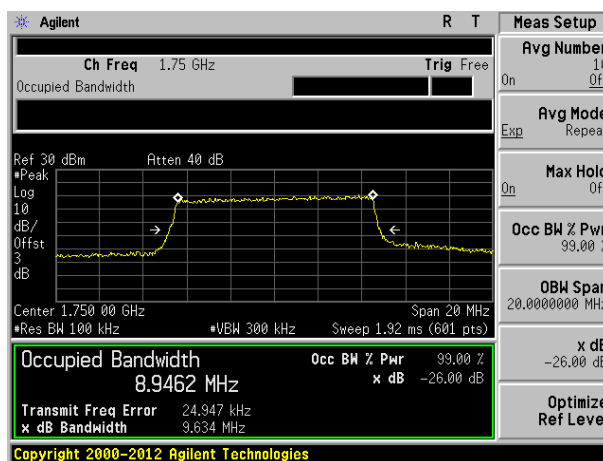
Test band: LTE Band 4	Channel Bandwidth: 10MHz
-----------------------	--------------------------



Lowest channel

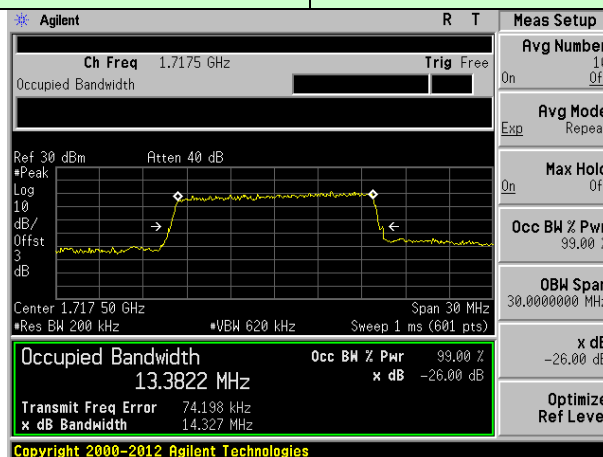


Middle channel

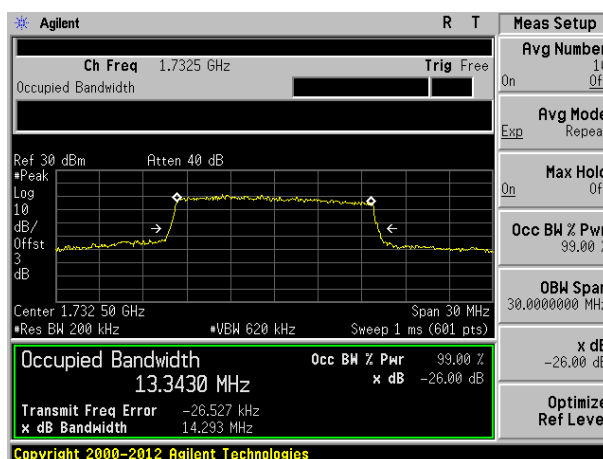


Highest channel

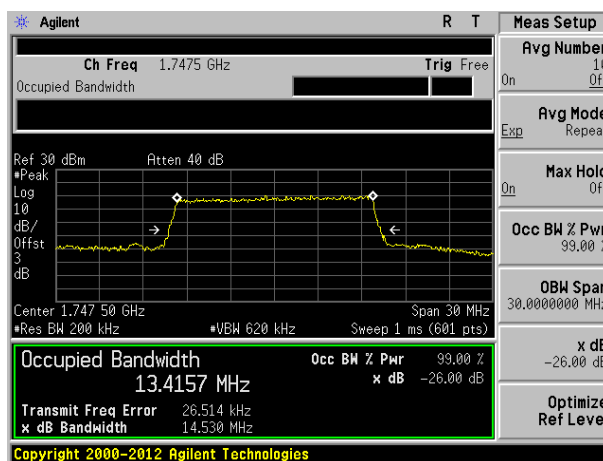
Test band: LTE Band 4	Channel Bandwidth: 15MHz
-----------------------	--------------------------



Lowest channel

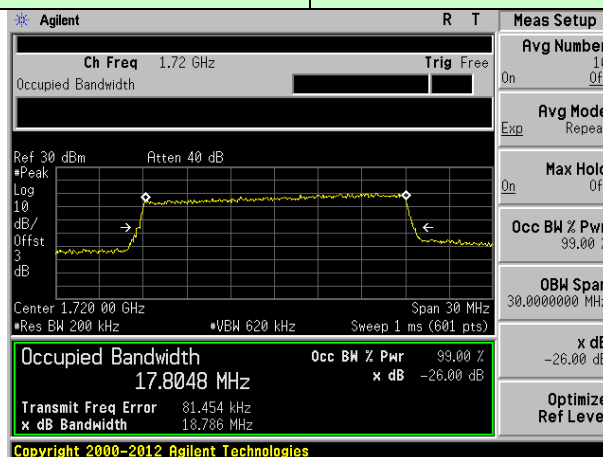


Middle channel

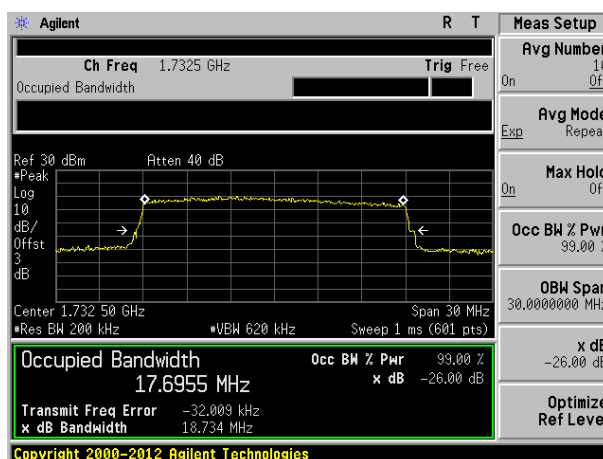


Highest channel

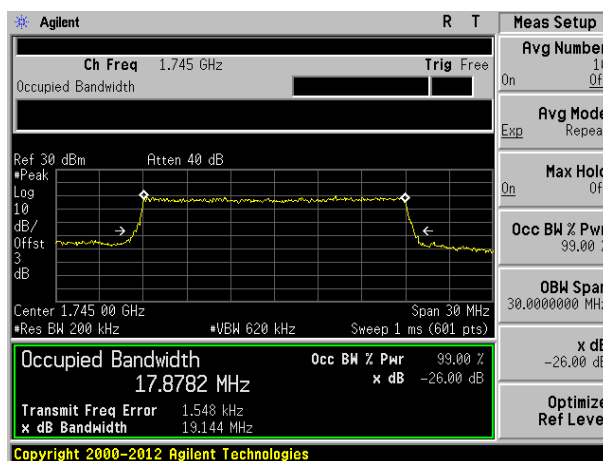
Test band: LTE Band 4	Channel Bandwidth: 20MHz
-----------------------	--------------------------



Lowest channel

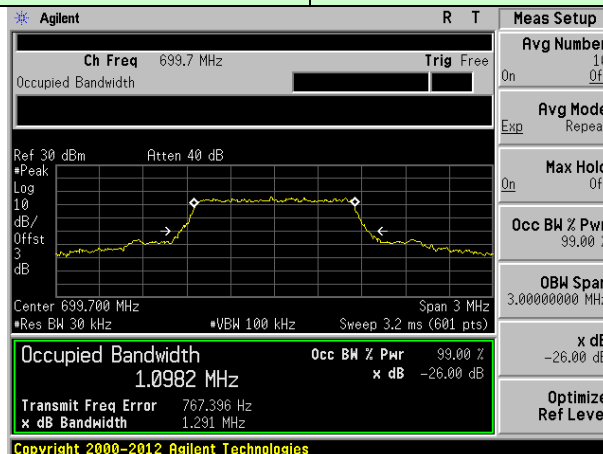


Middle channel

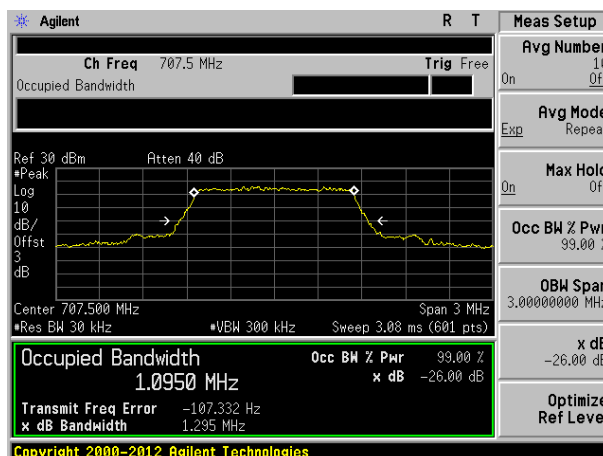


Highest channel

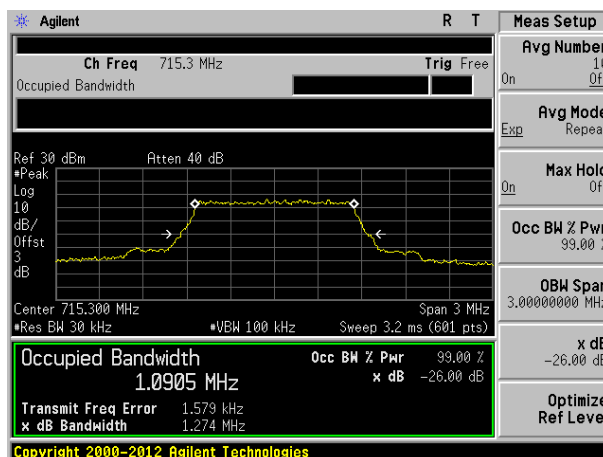
Test band: LTE Band 12	Channel Bandwidth: 1.4MHz
------------------------	---------------------------



Lowest channel



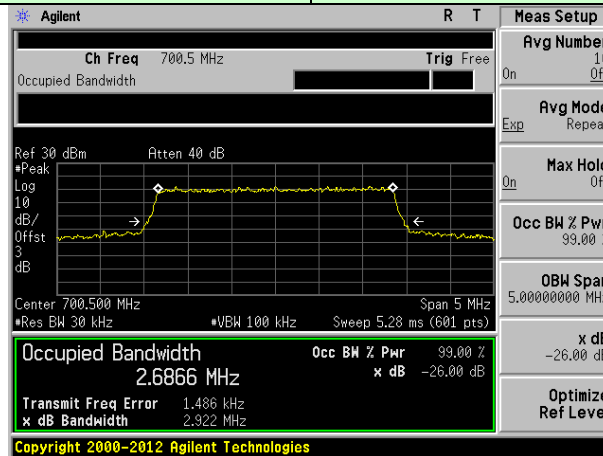
Middle channel



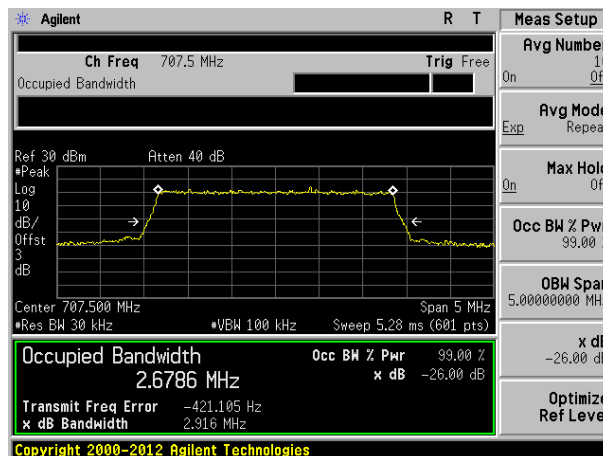
Highest channel

Test band: LTE Band 12

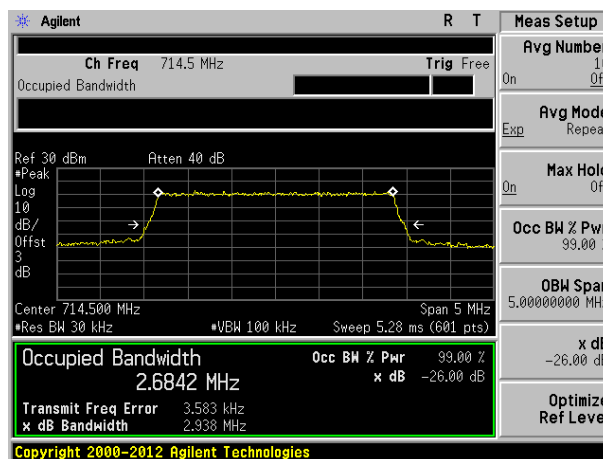
Channel Bandwidth: 3MHz



Lowest channel

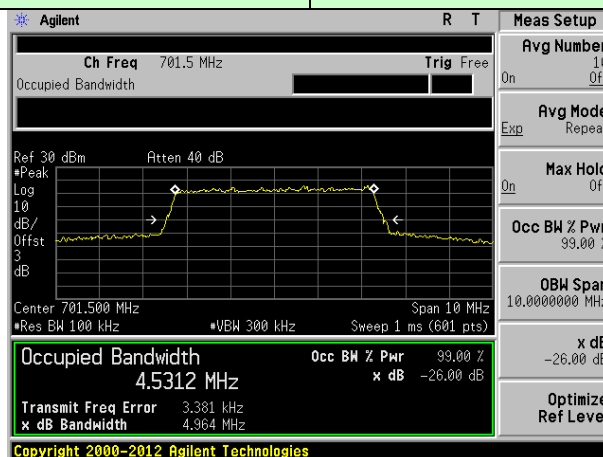


Middle channel

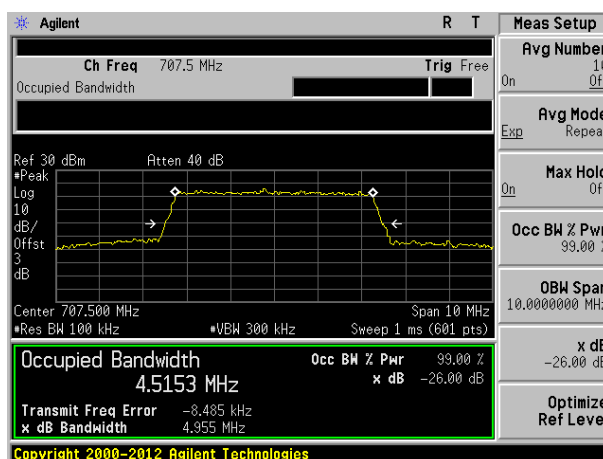


Highest channel

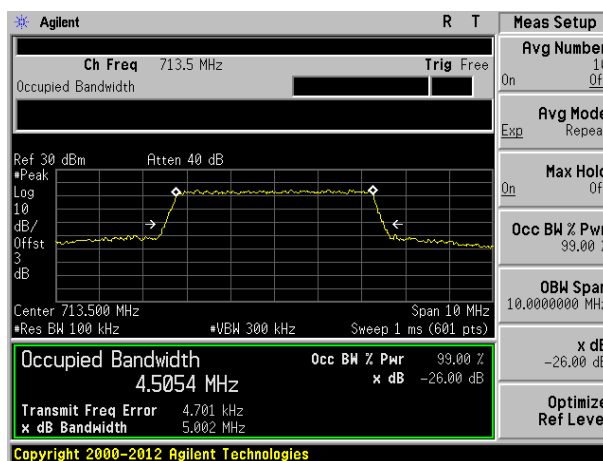
Test band: LTE Band 12	Channel Bandwidth: 5MHz
------------------------	-------------------------



Lowest channel

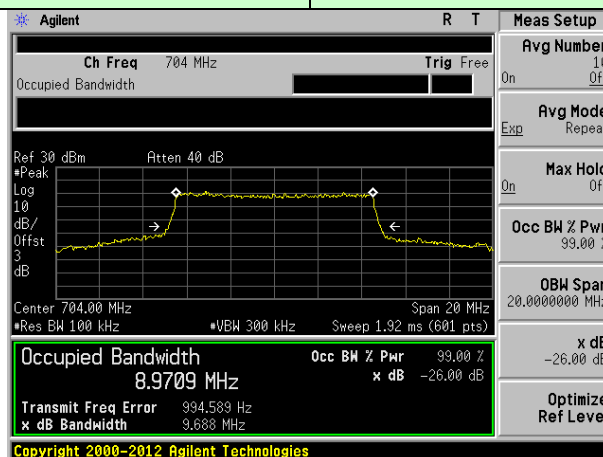


Middle channel

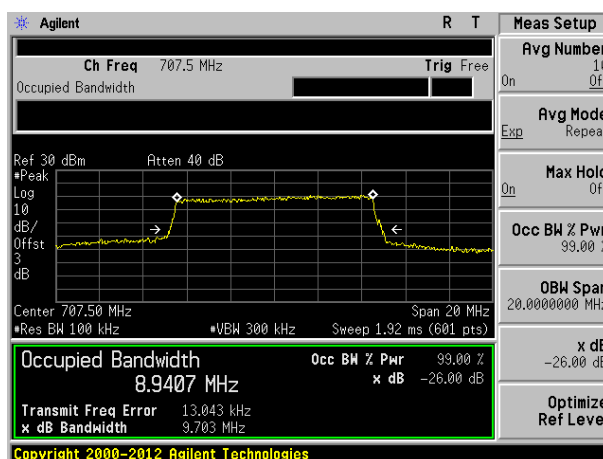


Highest channel

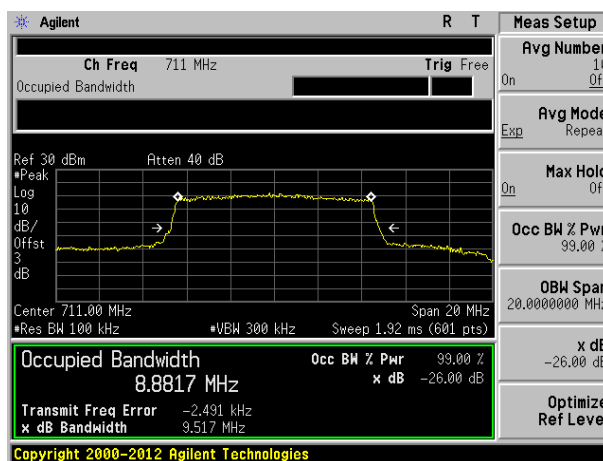
Test band: LTE Band 12	Channel Bandwidth: 10MHz
------------------------	--------------------------



Lowest channel



Middle channel

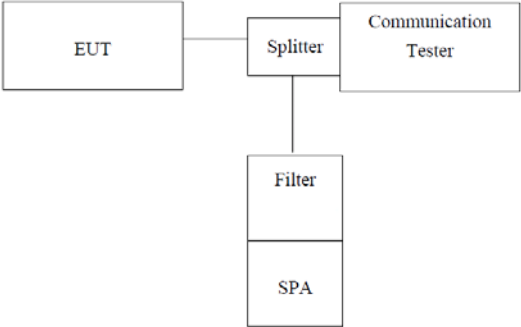


Highest channel

6.7 MODULATION CHARACTERISTIC

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

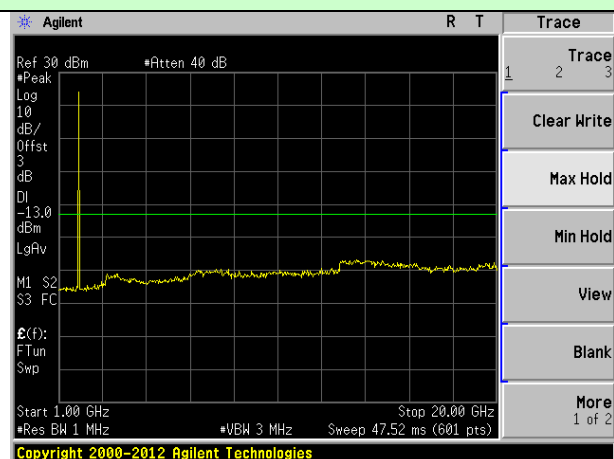
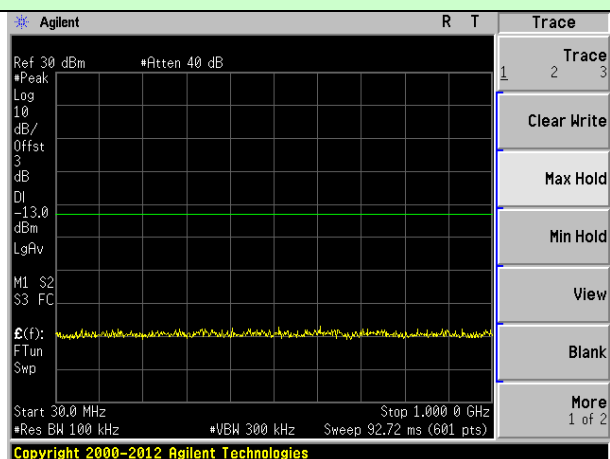
6.8 Out of band emission at antenna terminals

Test Requirement for FCC:	Part 24.238 (a); FCC Part 27.53(h)/(g)
Test Requirement for IC:	RSS-130 Clause 4.6, RSS-139 Clause 6.6, RSS-133 Clause 6.5
Limit:	-13dBm
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic. 3 For the out of band: Set the RBW, VBW = 1MHz, Start=30MHz, Stop= 10th harmonic. 4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 5.0 for details
Test mode:	Refer to section 6.1 for details
Test results:	Pass

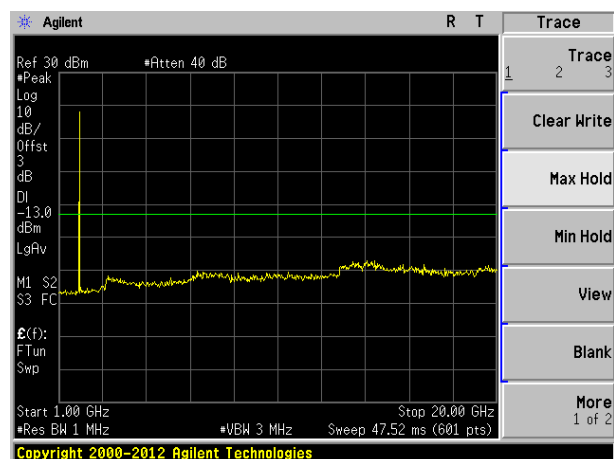
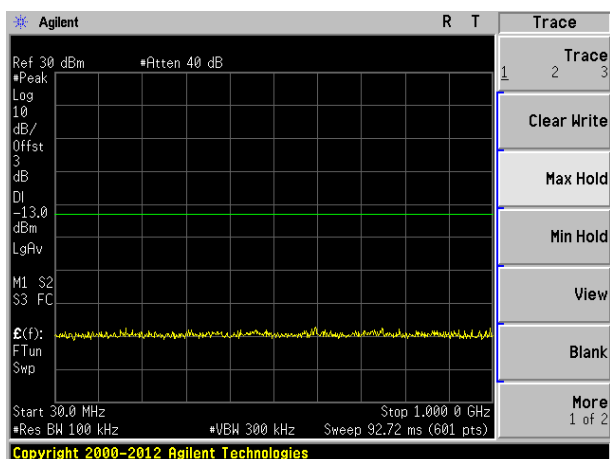
Test plot as follows:

Test Mode: LTE Band 2

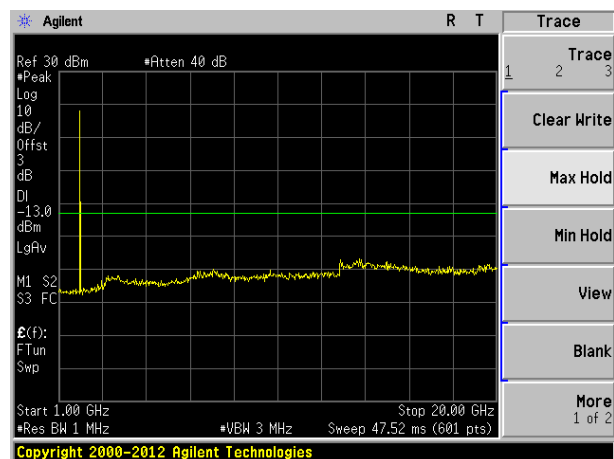
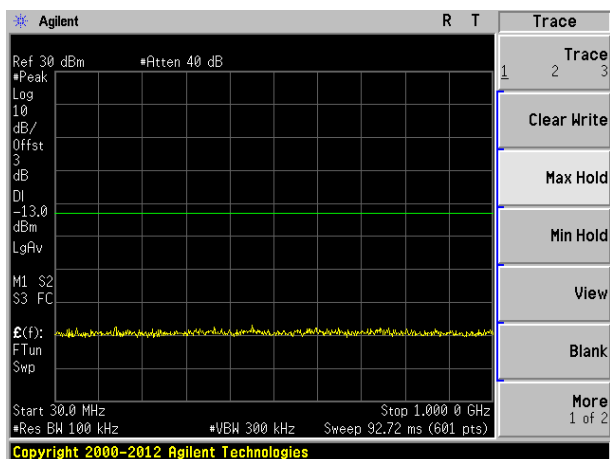
Channel Bandwidth: 1.4MHz



Lowest channel



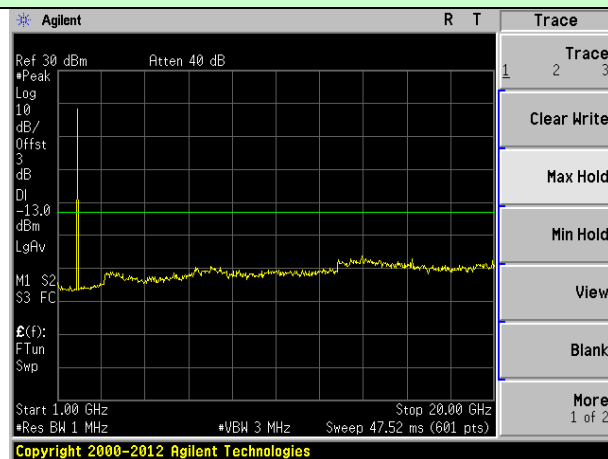
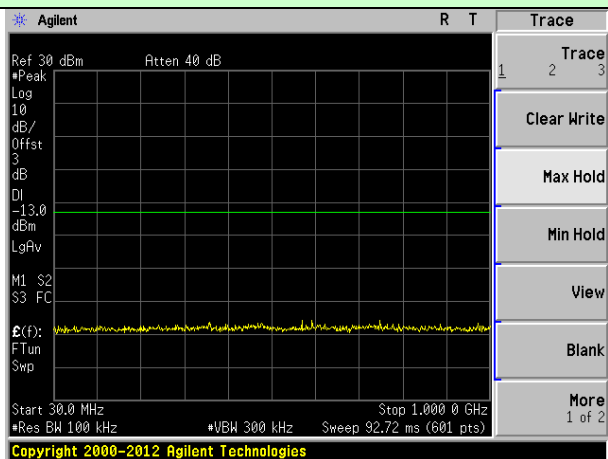
Middle channel



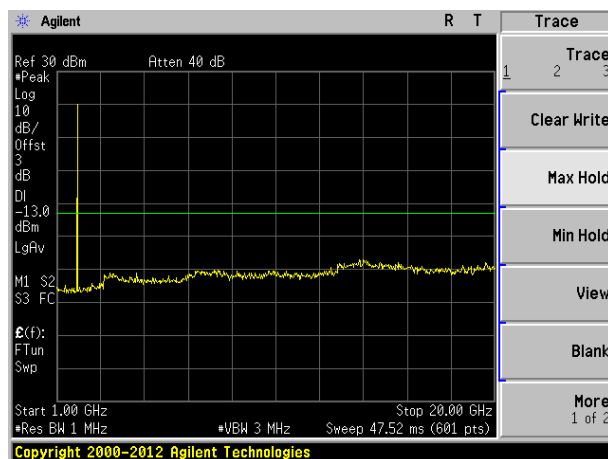
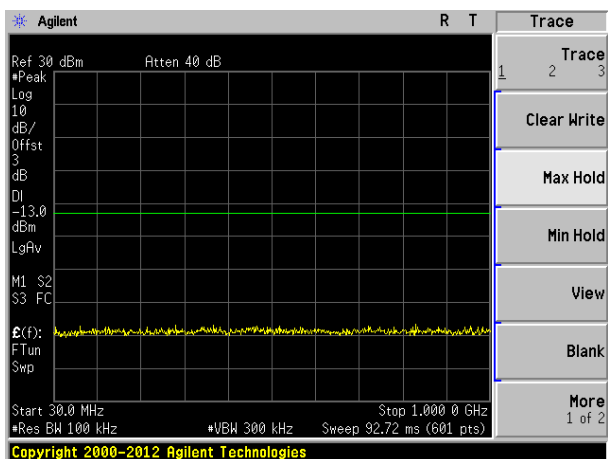
Highest channel

Test Mode: LTE Band 2

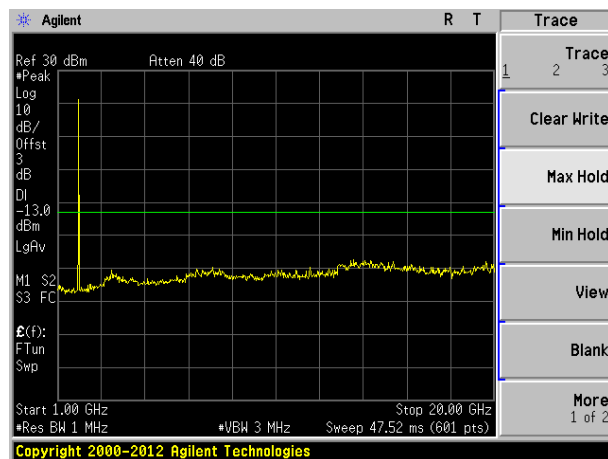
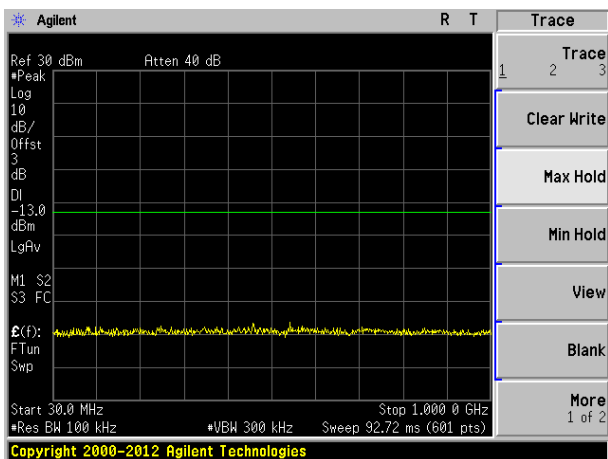
Channel Bandwidth: 3MHz



Lowest channel



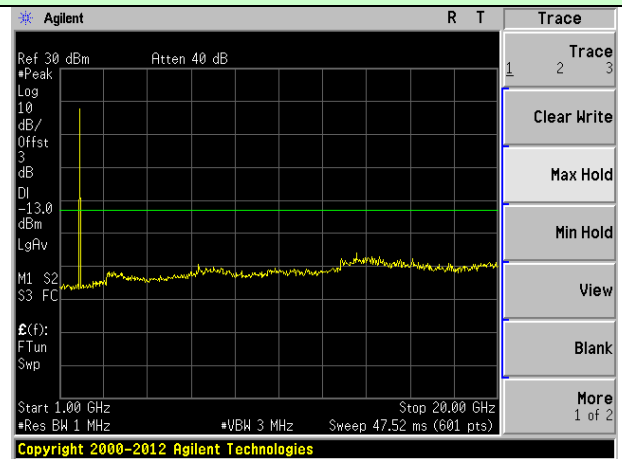
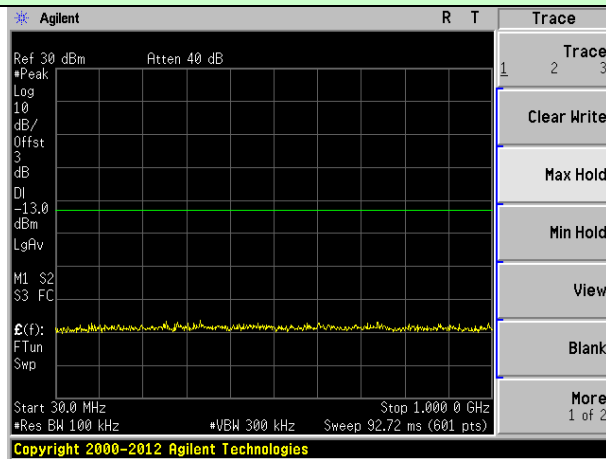
Middle channel



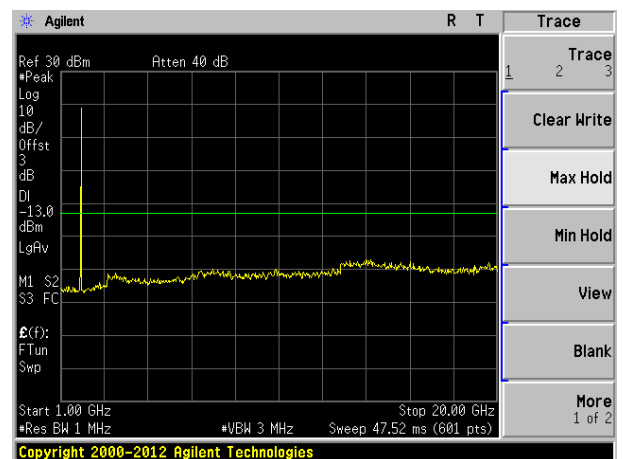
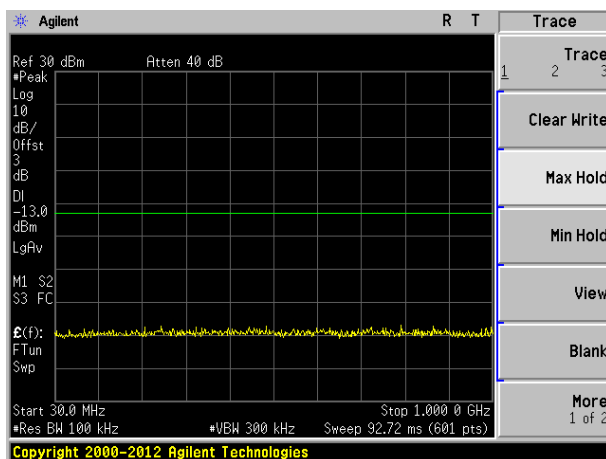
Highest channel

Test Mode: LTE Band 2

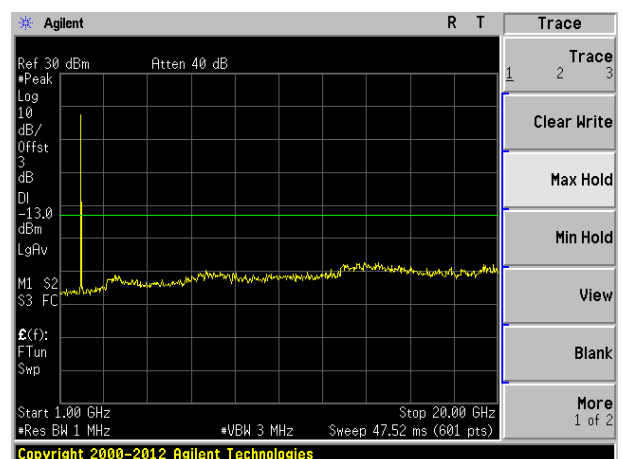
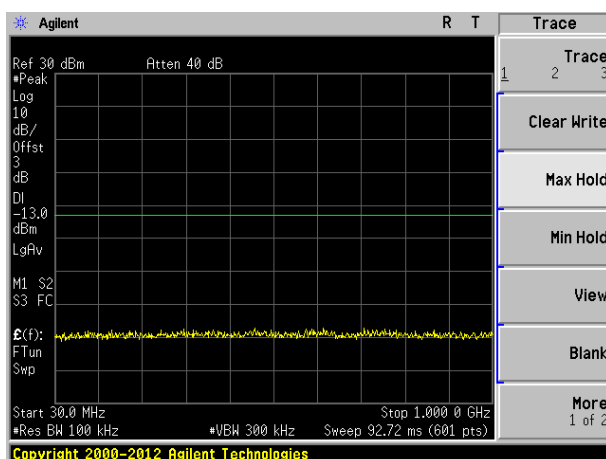
Channel Bandwidth: 5MHz



Lowest channel



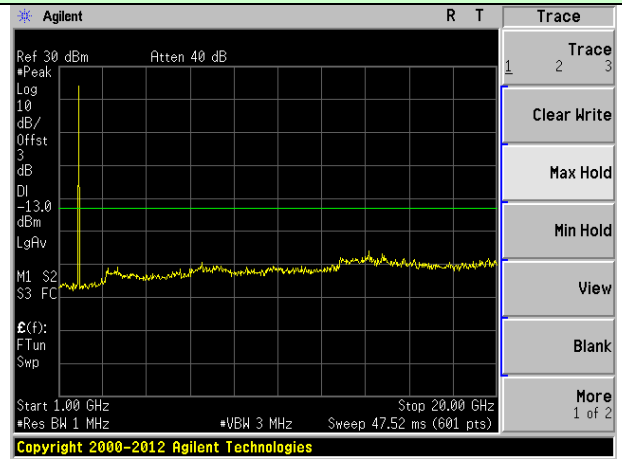
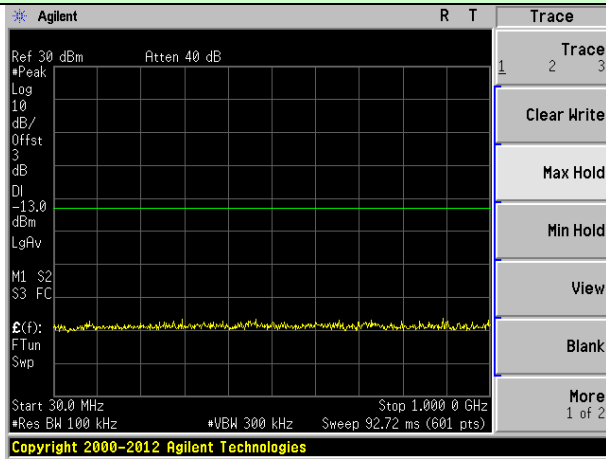
Middle channel



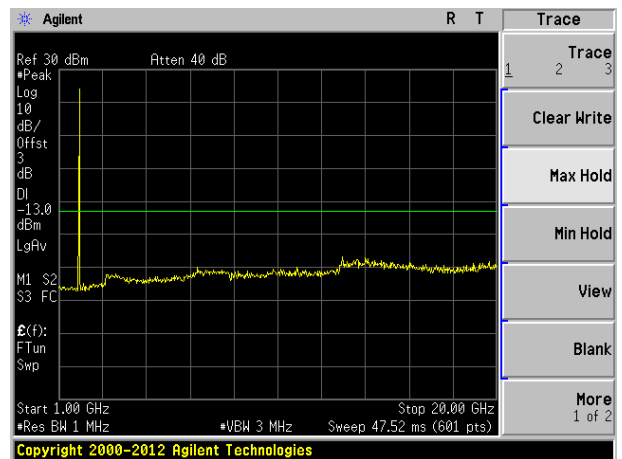
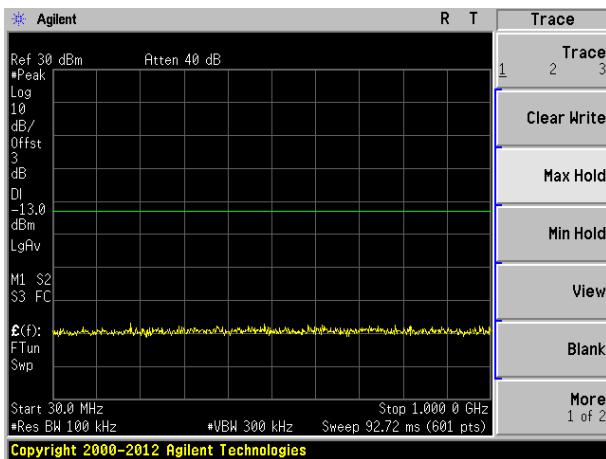
Highest channel

Test Mode: LTE Band 2

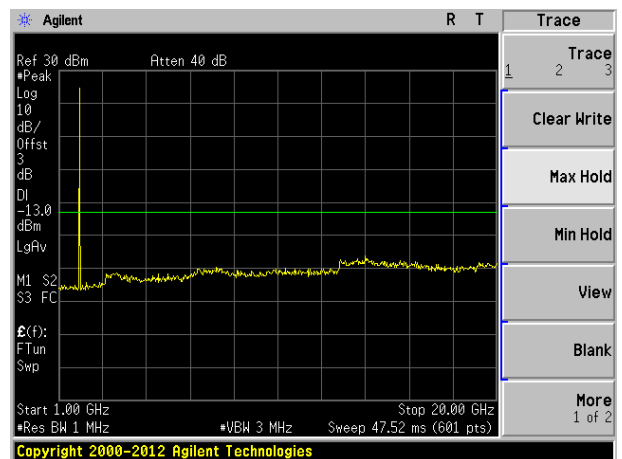
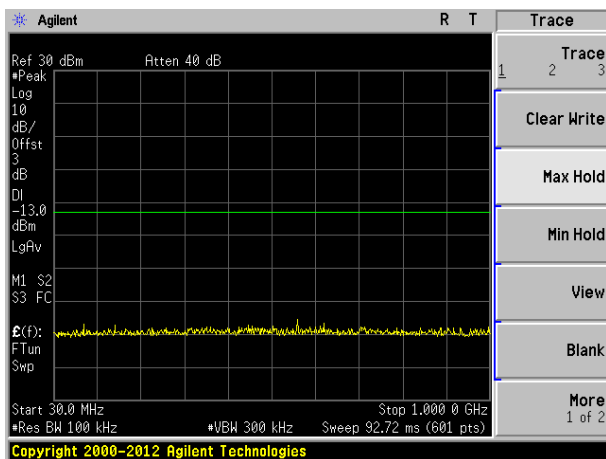
Channel Bandwidth: 10MHz



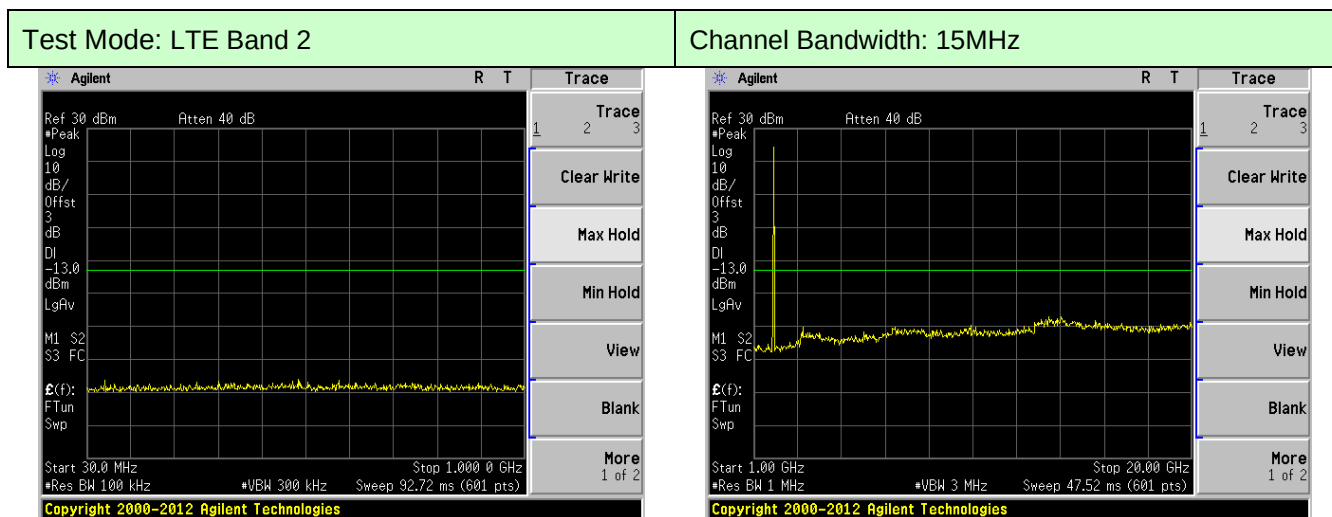
Lowest channel



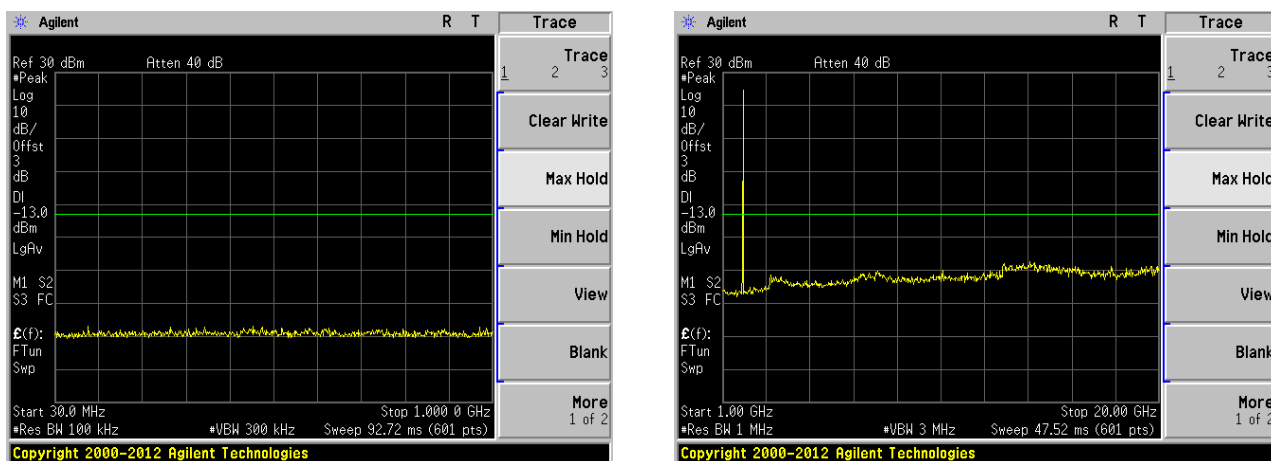
Middle channel



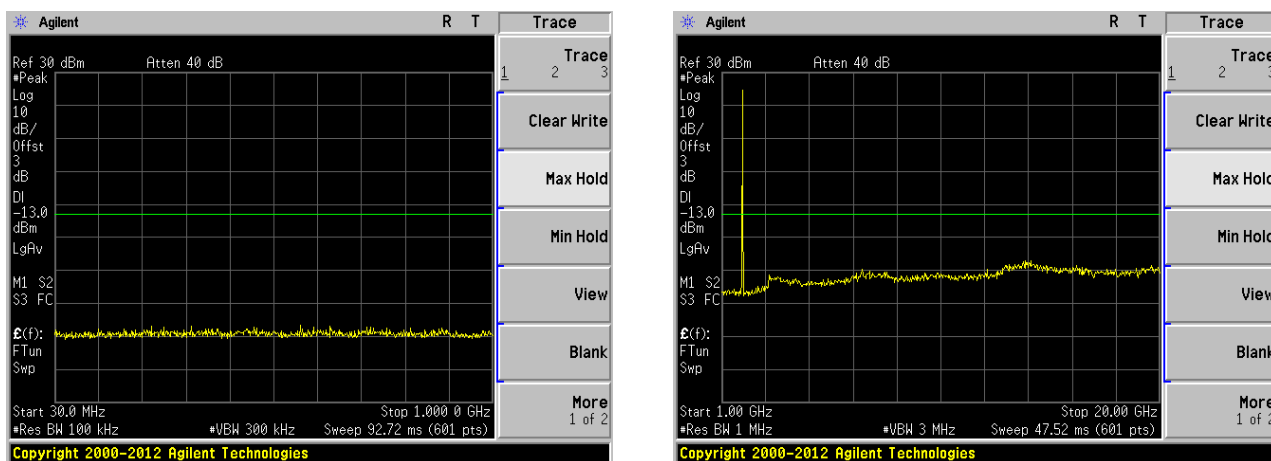
Highest channel



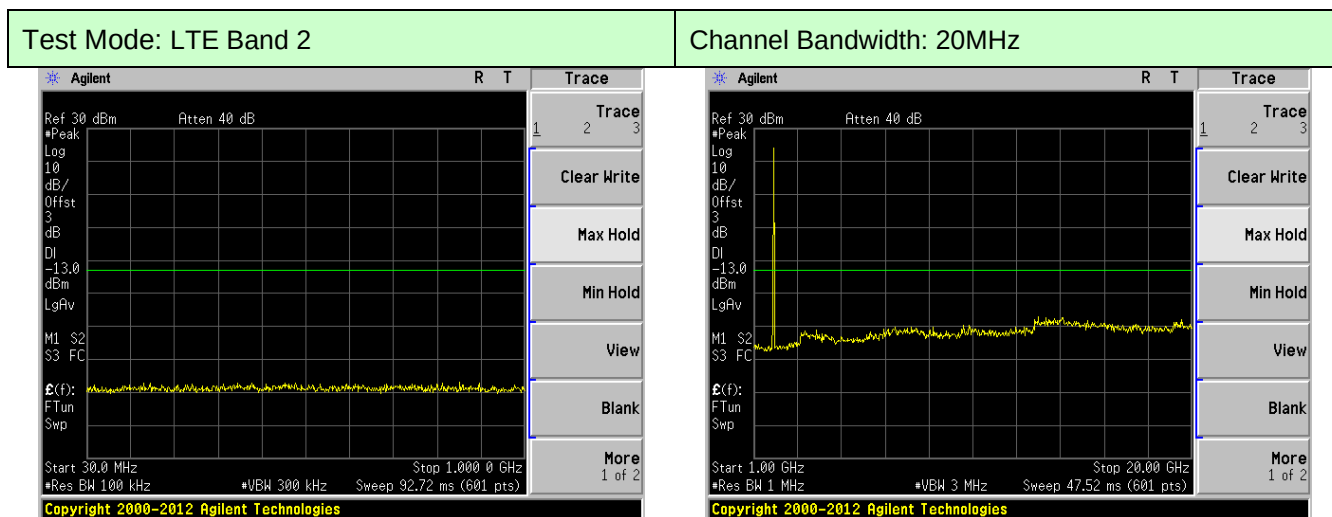
Lowest channel



Middle channel



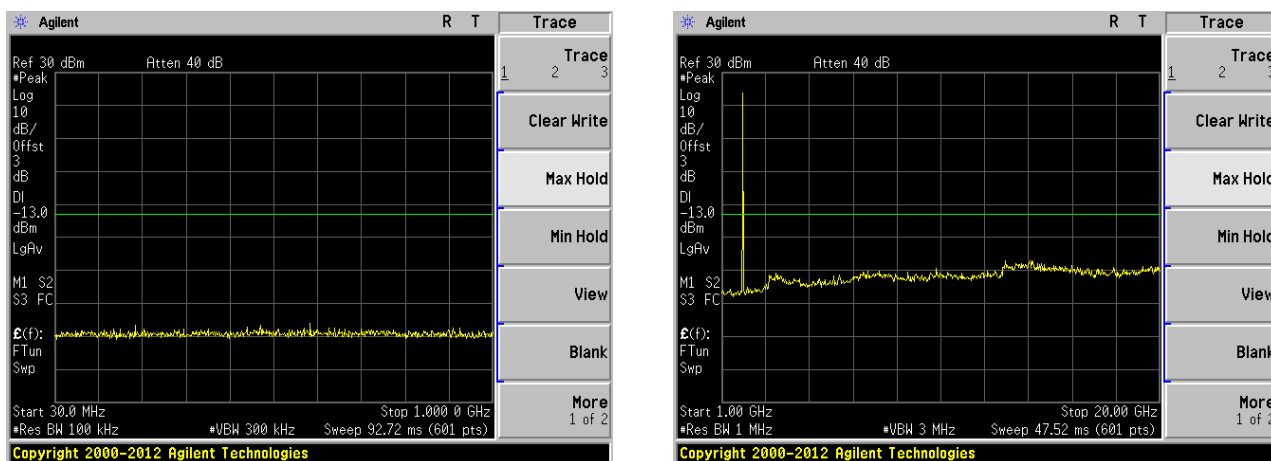
Highest channel



Lowest channel

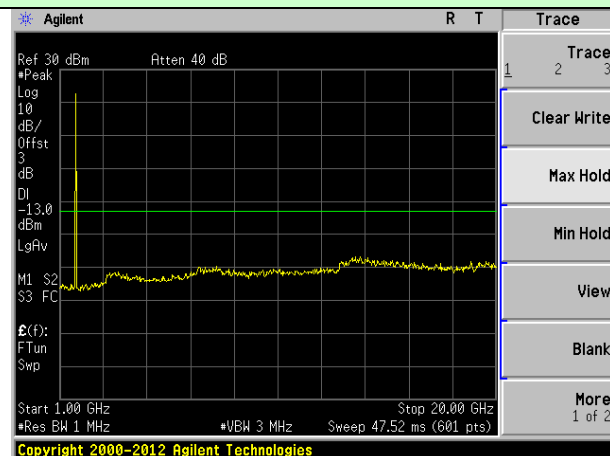
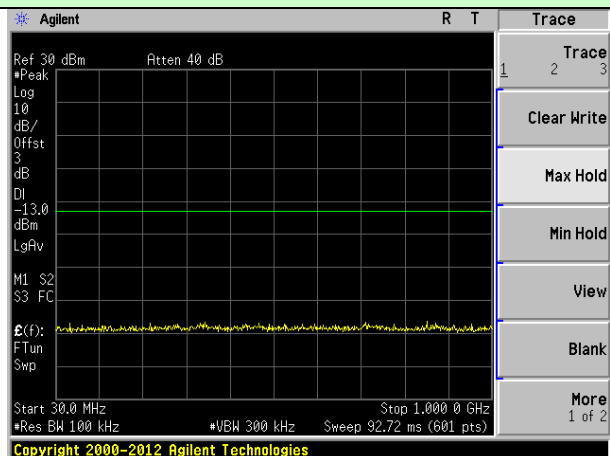


Middle channel

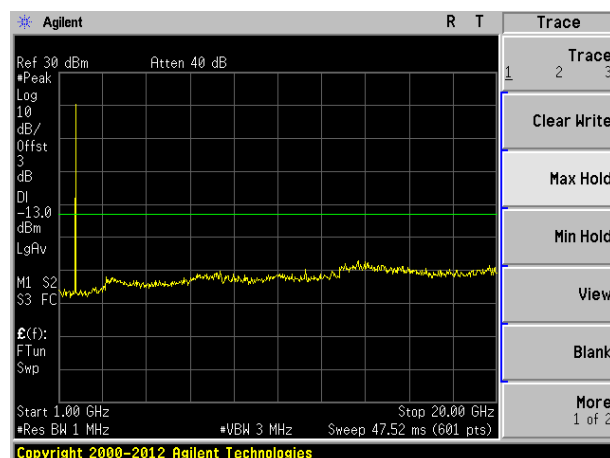
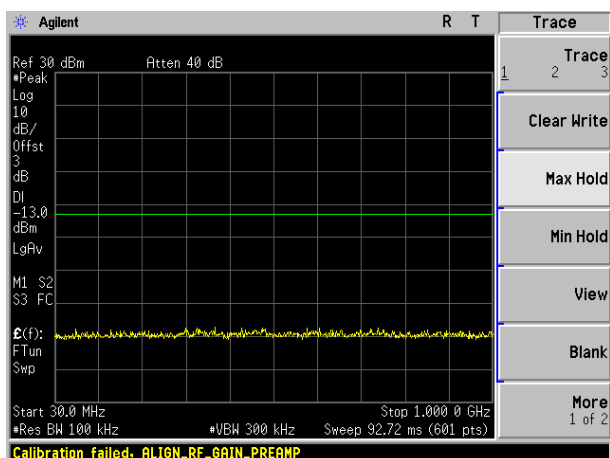


Highest channel

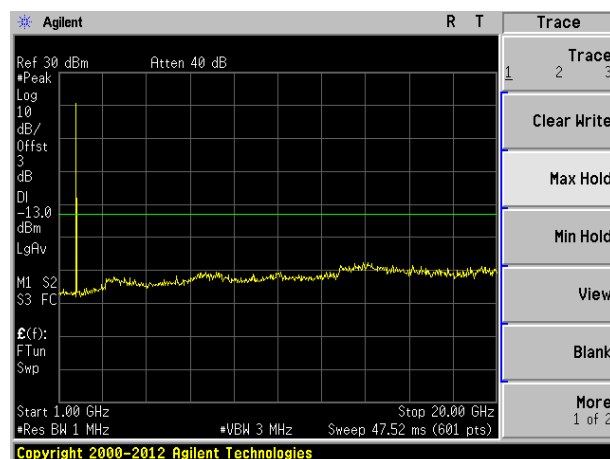
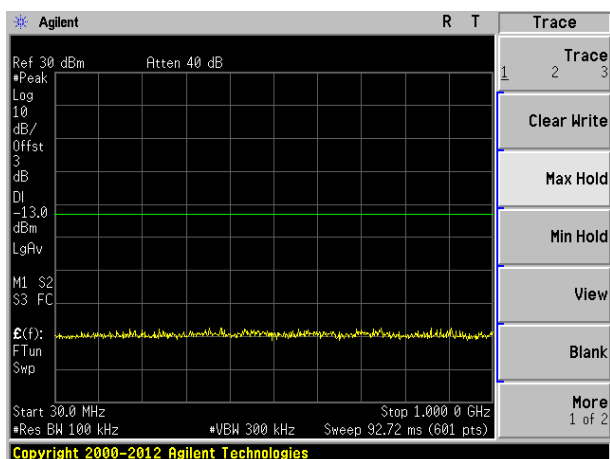
Test Mode: LTE Band 4	Channel Bandwidth: 1.4MHz
-----------------------	---------------------------



Lowest channel



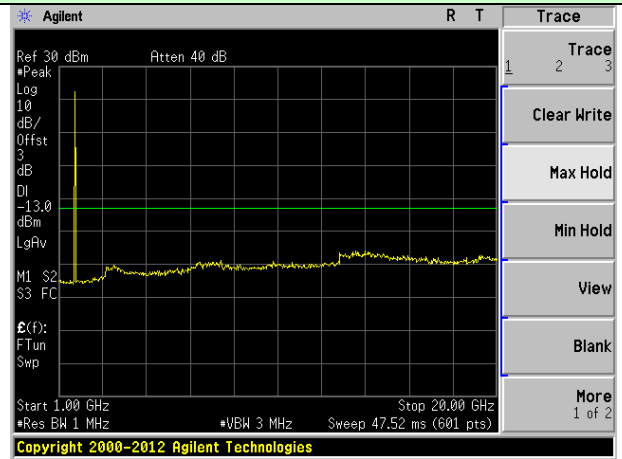
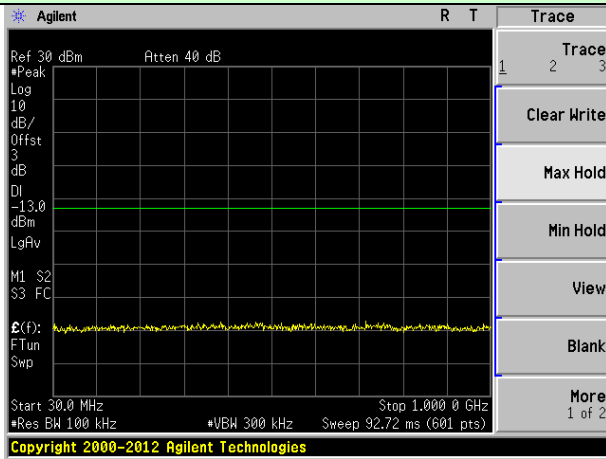
Middle channel



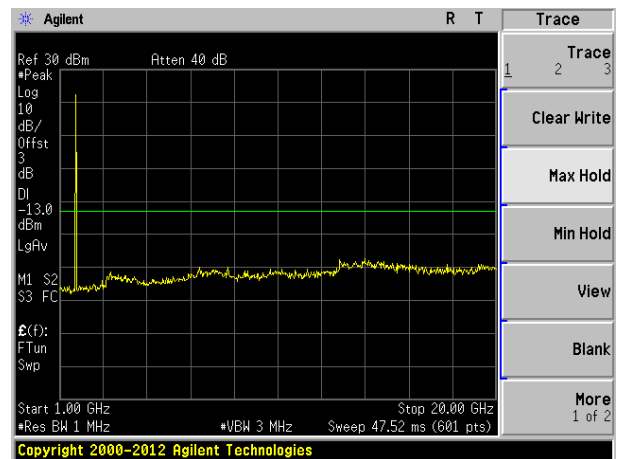
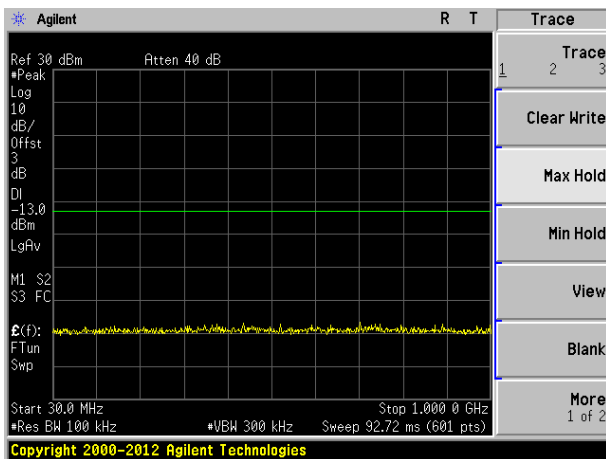
Highest channel

Test Mode: LTE Band 4

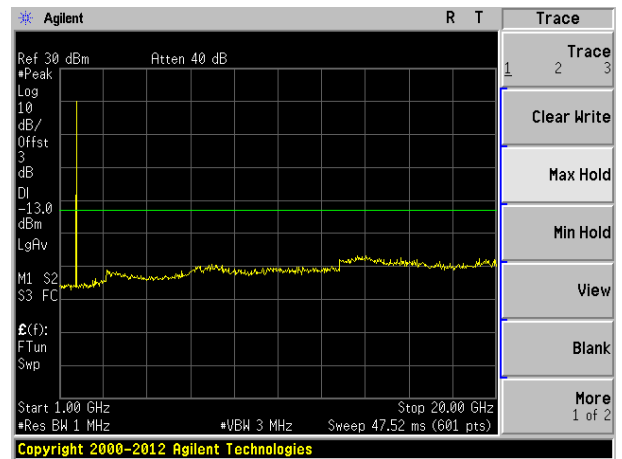
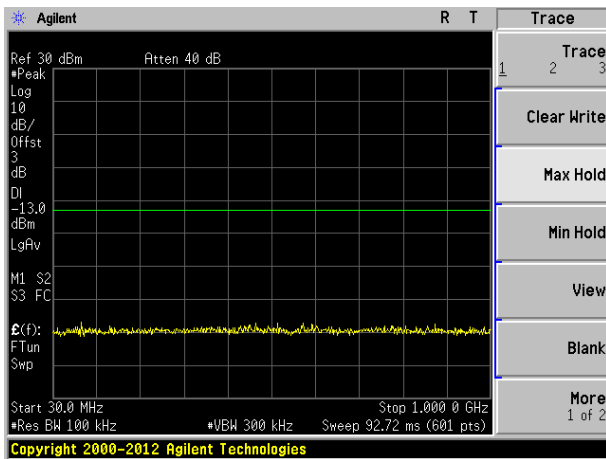
Channel Bandwidth: 3MHz



Lowest channel

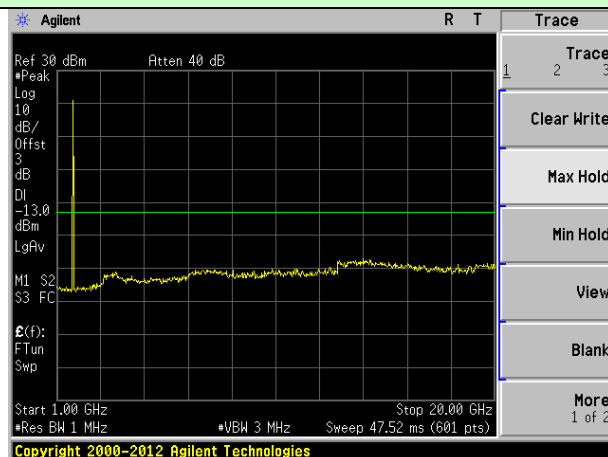
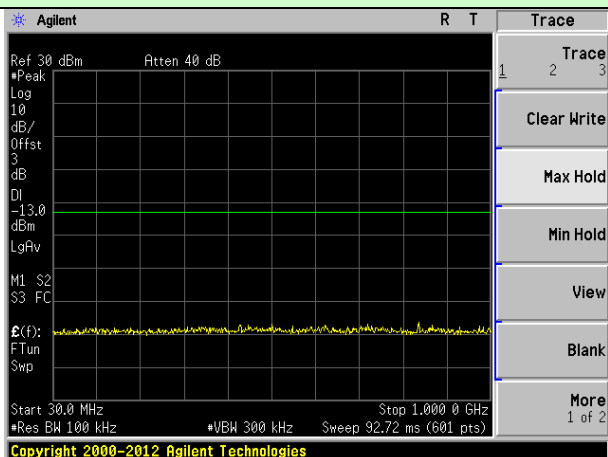


Middle channel

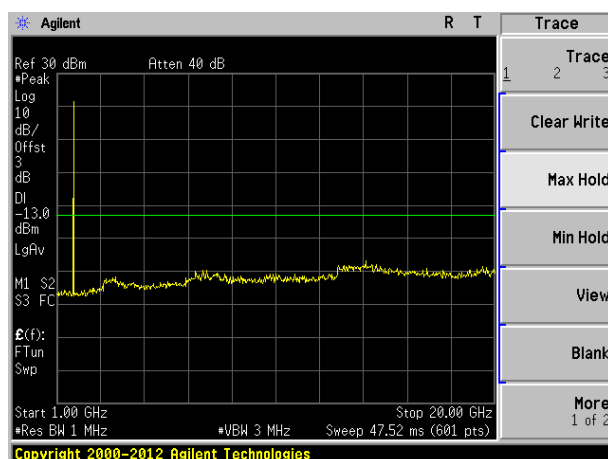
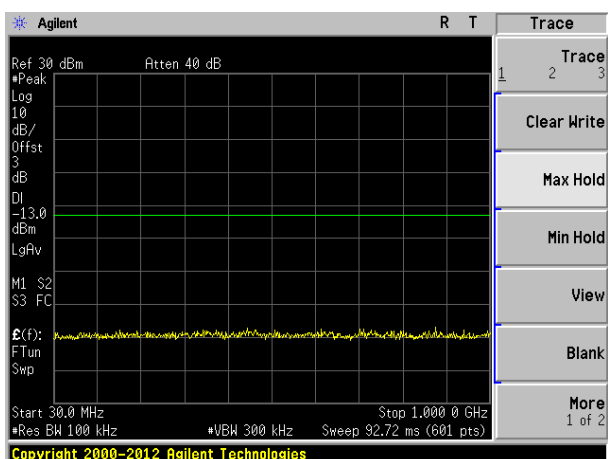


Highest channel

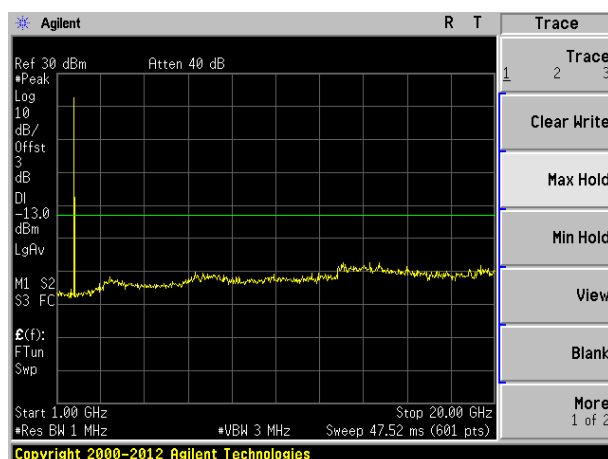
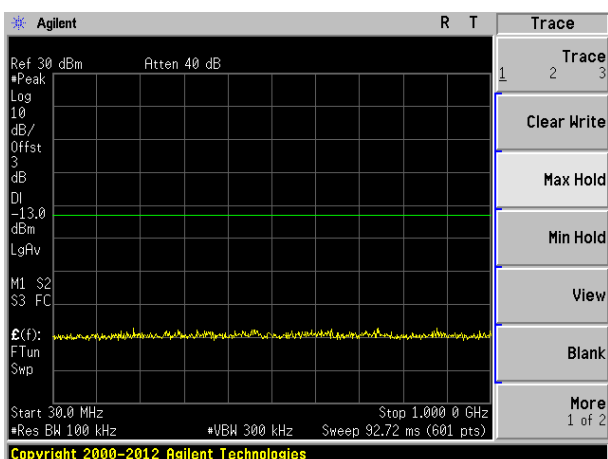
Test Mode: LTE Band 4	Channel Bandwidth: 5MHz
-----------------------	-------------------------



Lowest channel

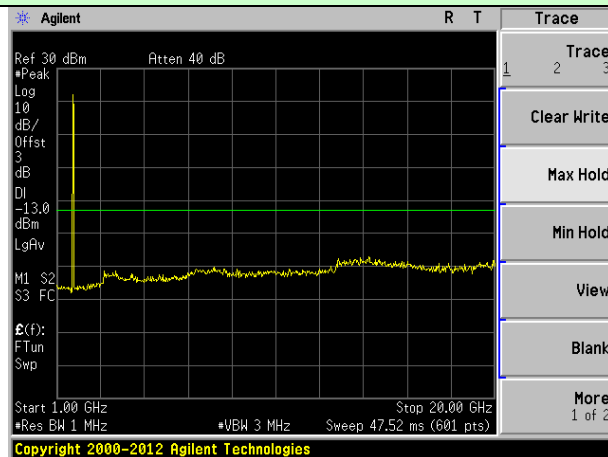
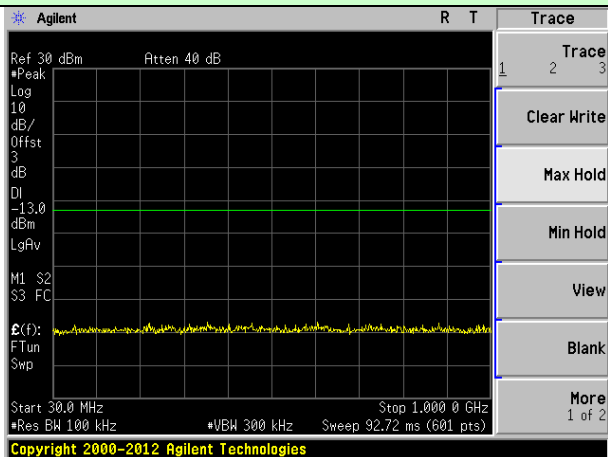


Middle channel

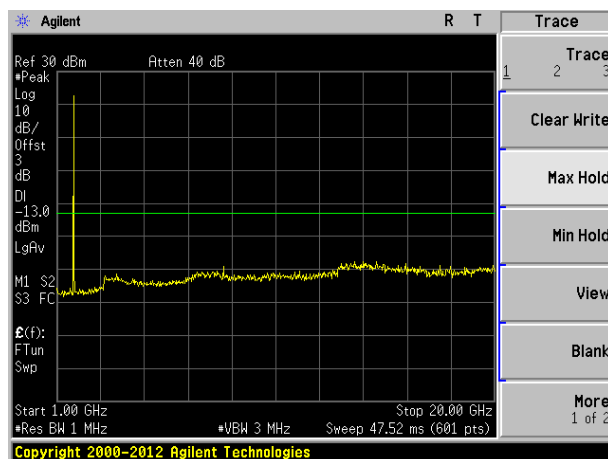
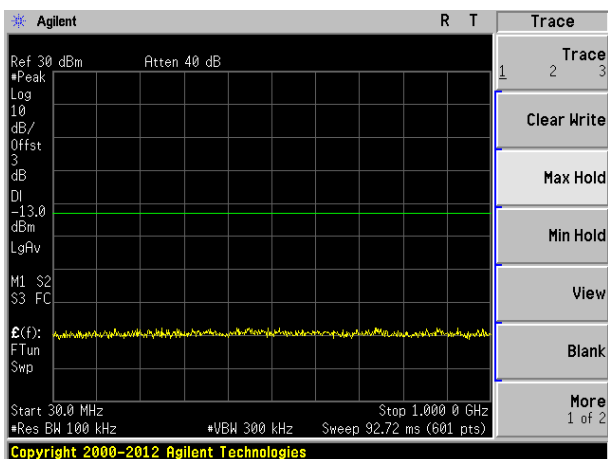


Highest channel

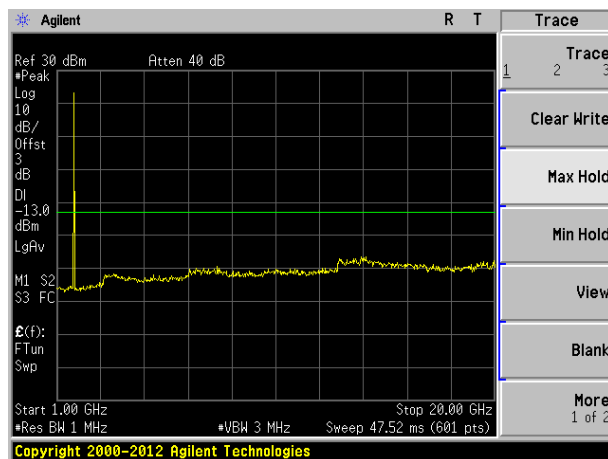
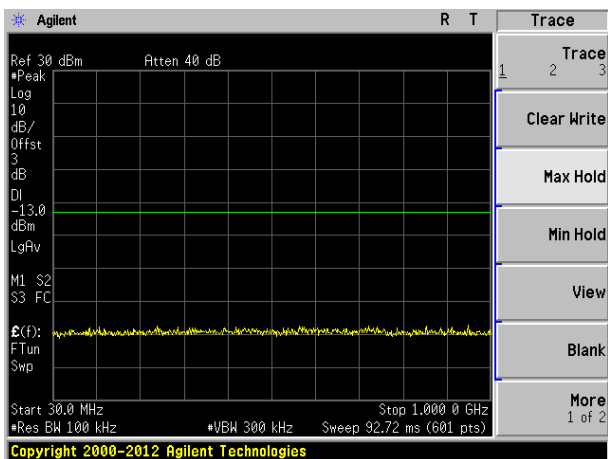
Test Mode: LTE Band 4	Channel Bandwidth: 10MHz
-----------------------	--------------------------



Lowest channel

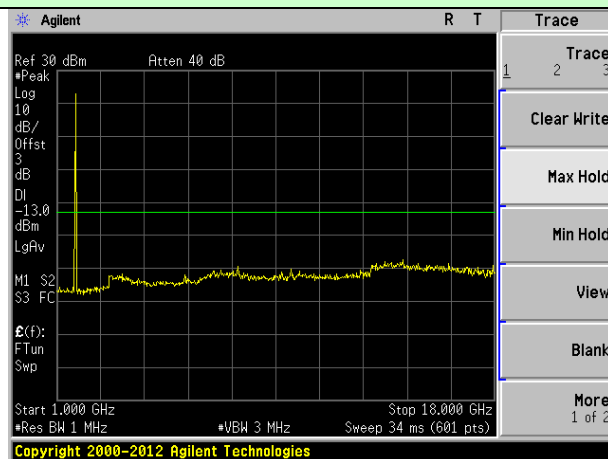
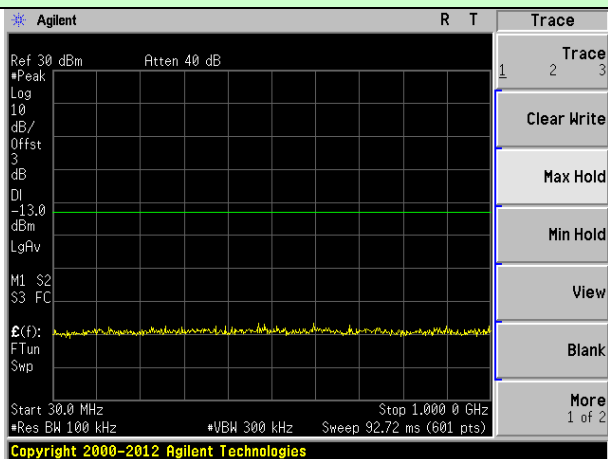


Middle channel

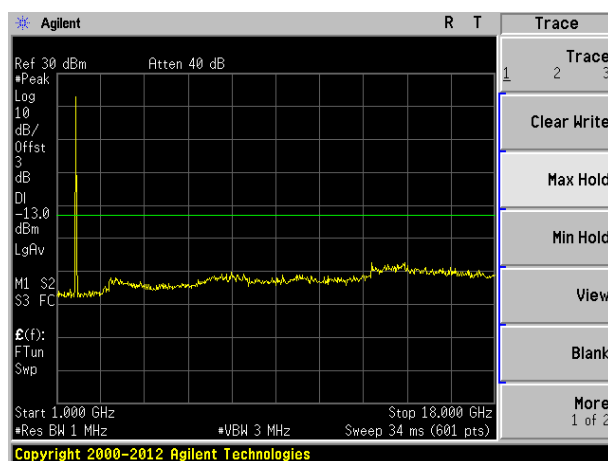
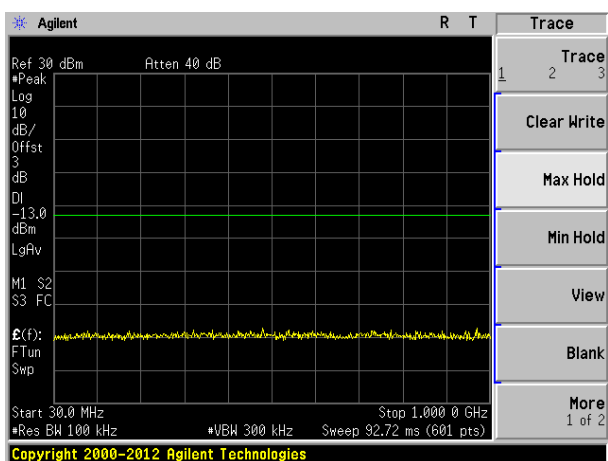


Highest channel

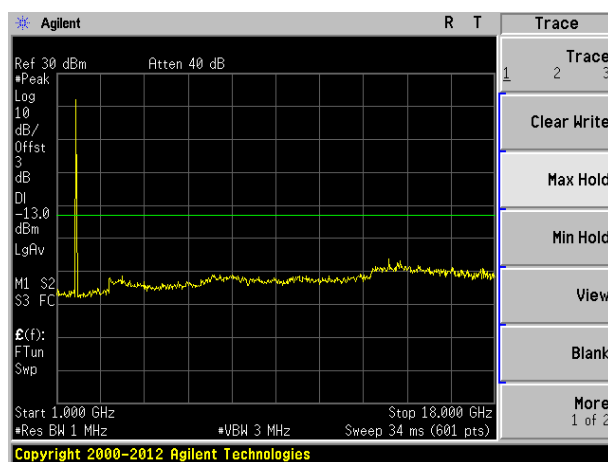
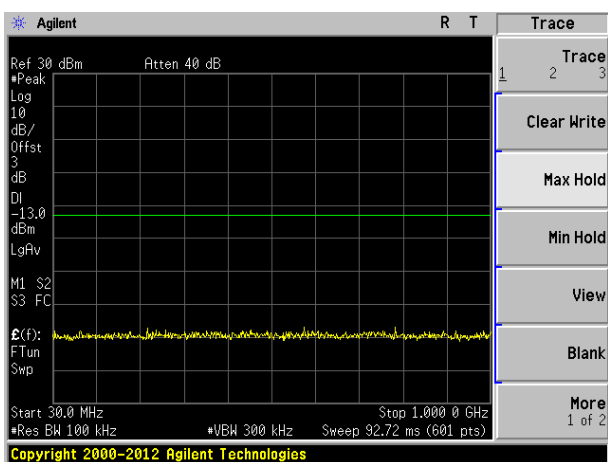
Test Mode: LTE Band 4	Channel Bandwidth: 15MHz
-----------------------	--------------------------



Lowest channel

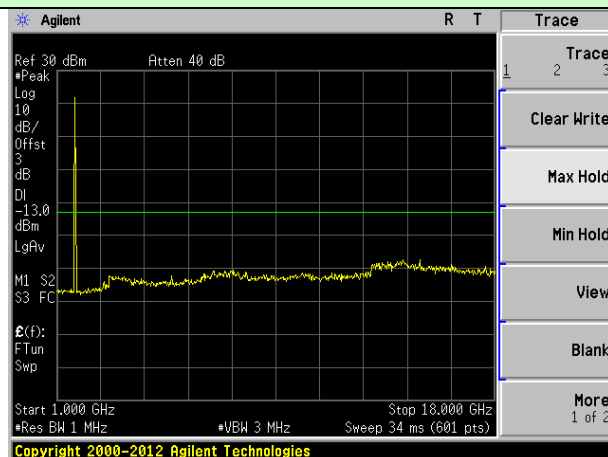
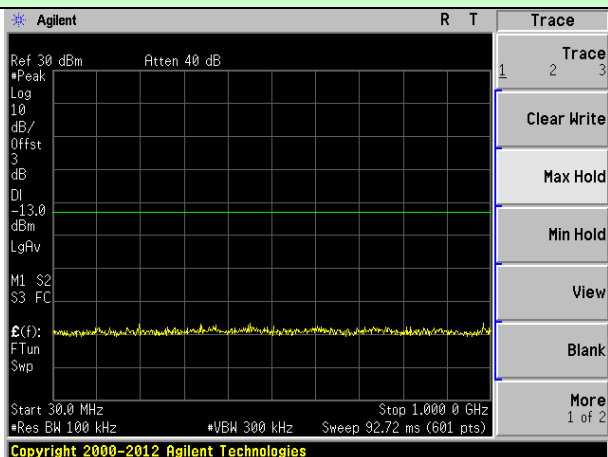


Middle channel

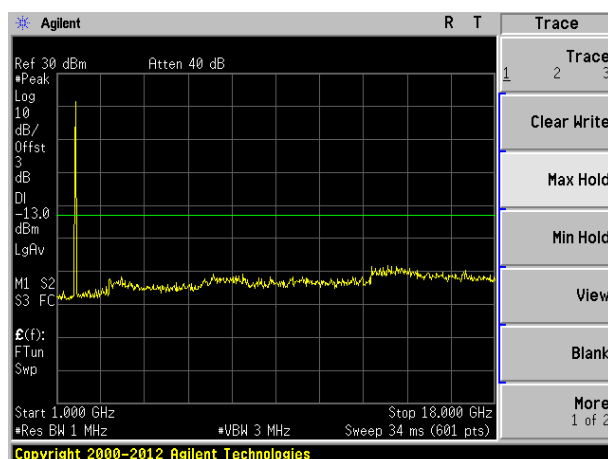
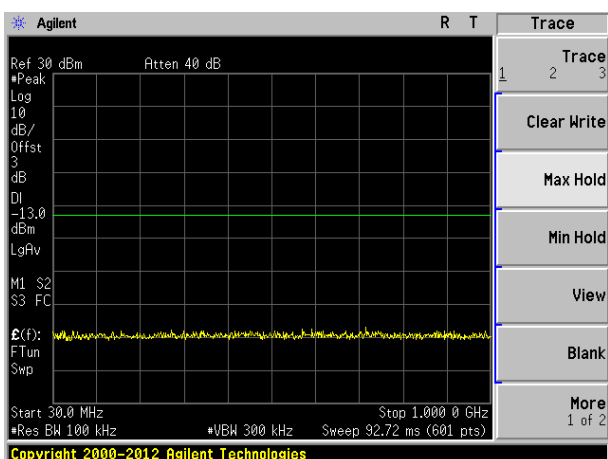


Highest channel

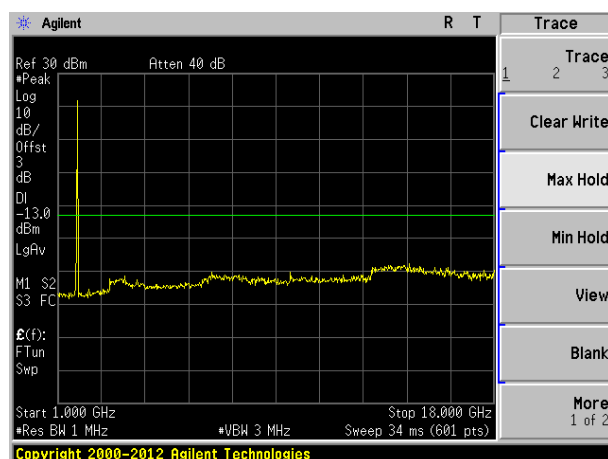
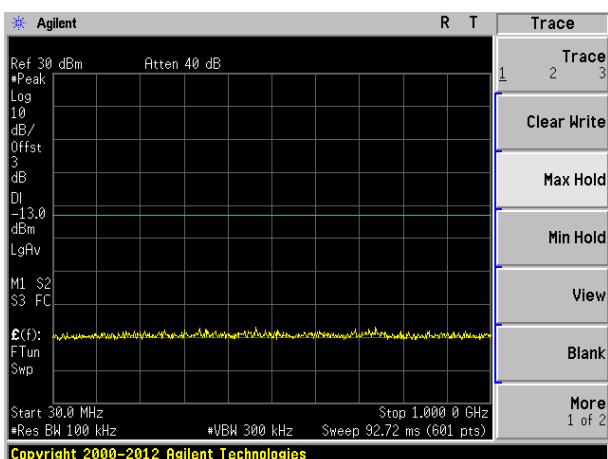
Test Mode: LTE Band 4	Channel Bandwidth: 20MHz
-----------------------	--------------------------



Lowest channel



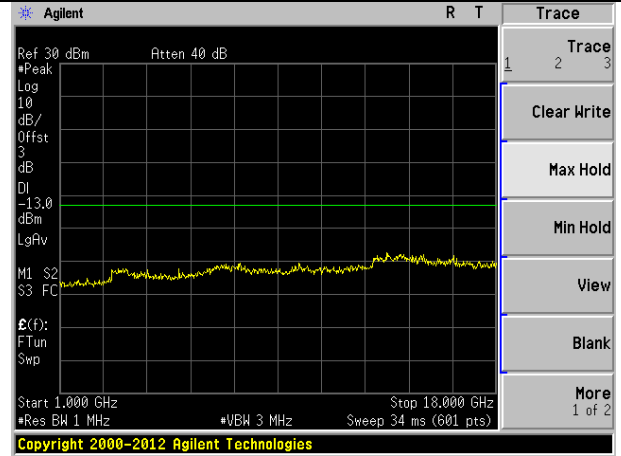
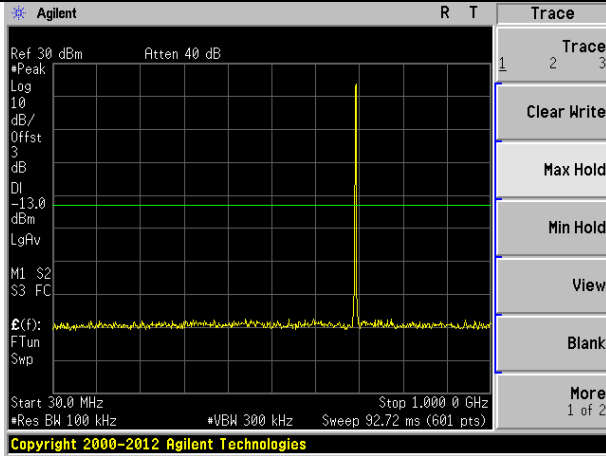
Middle channel



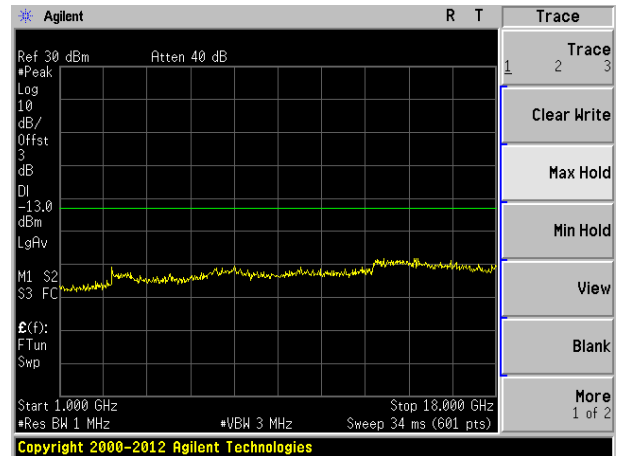
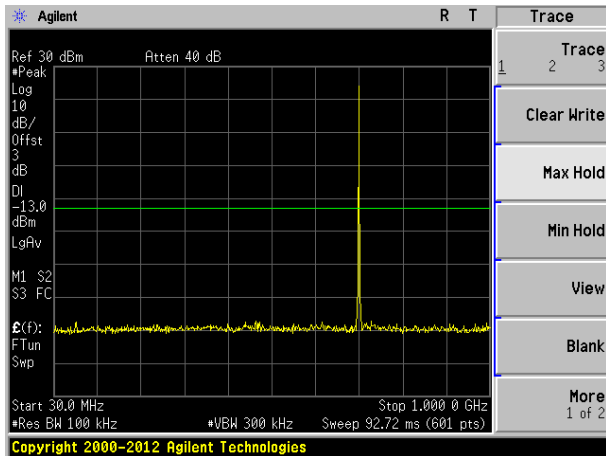
Highest channel

Test Mode: LTE Band 12

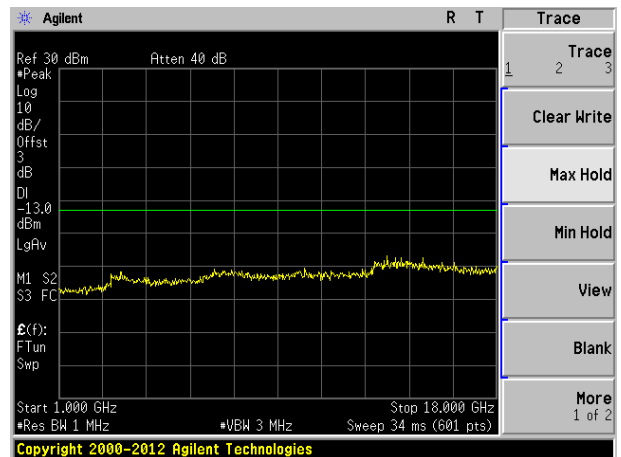
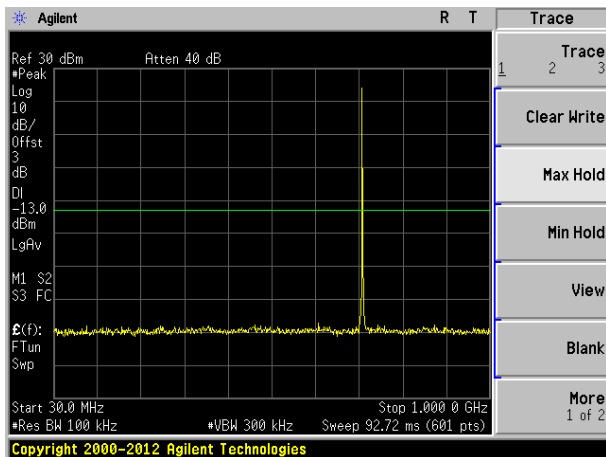
Channel Bandwidth: 1.4MHz



Lowest channel



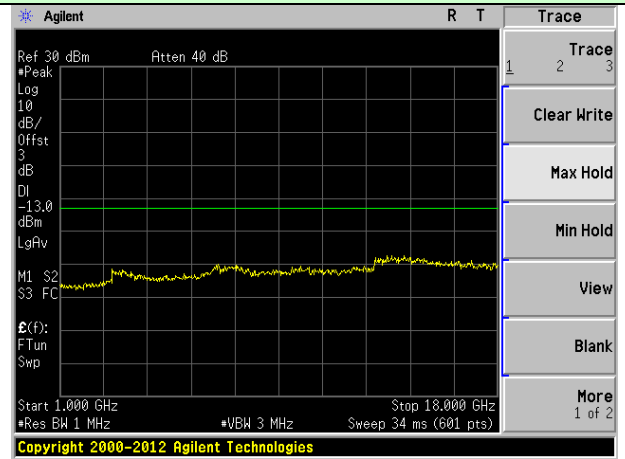
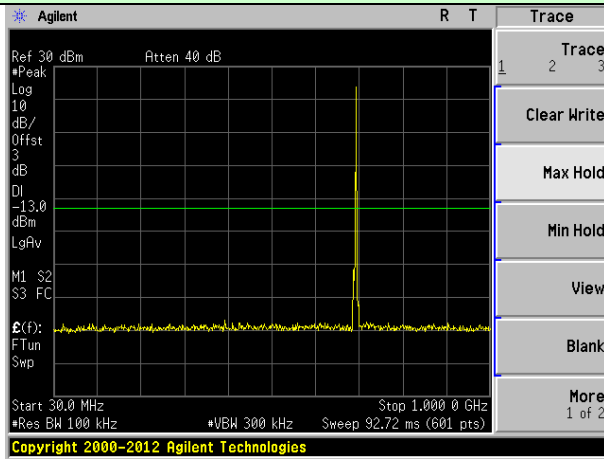
Middle channel



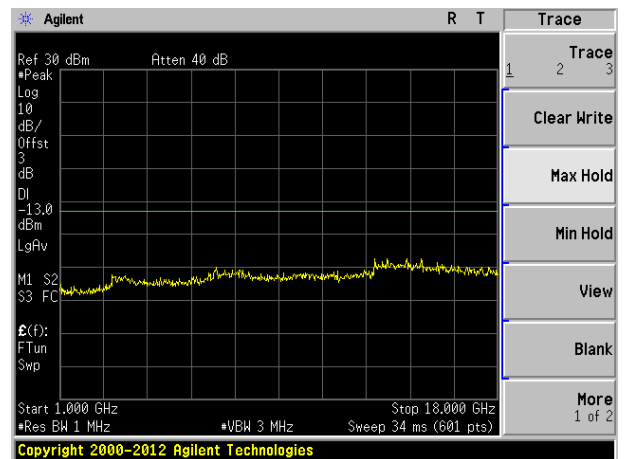
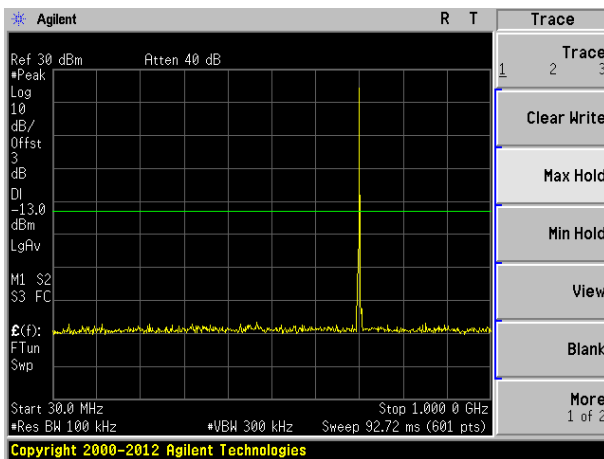
Highest channel

Test Mode: LTE Band 12

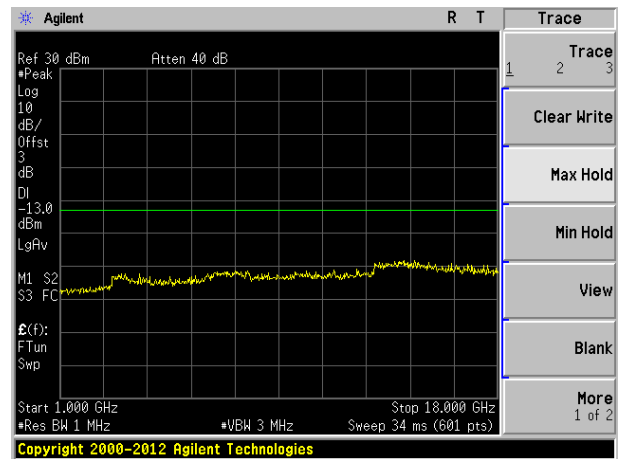
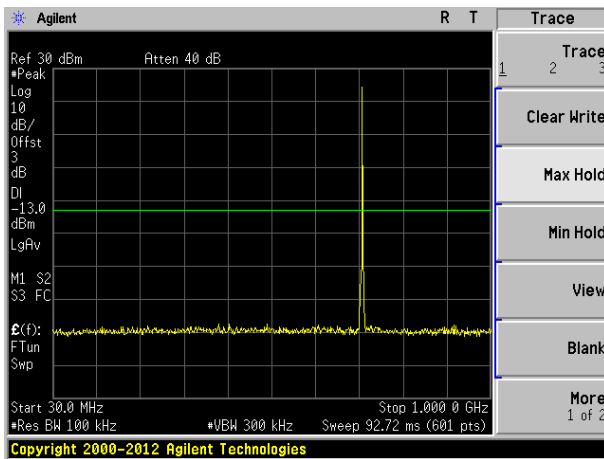
Channel Bandwidth: 3MHz



Lowest channel

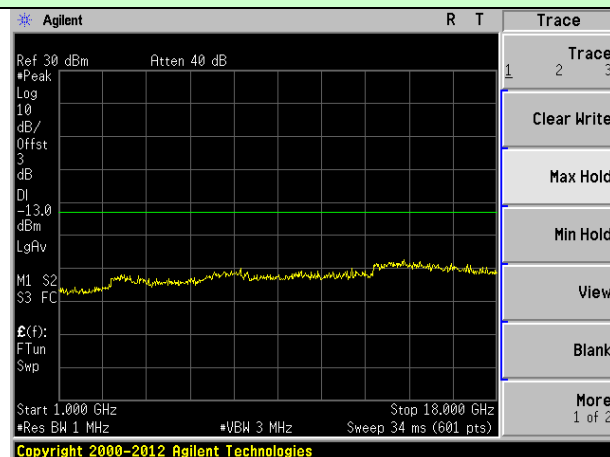
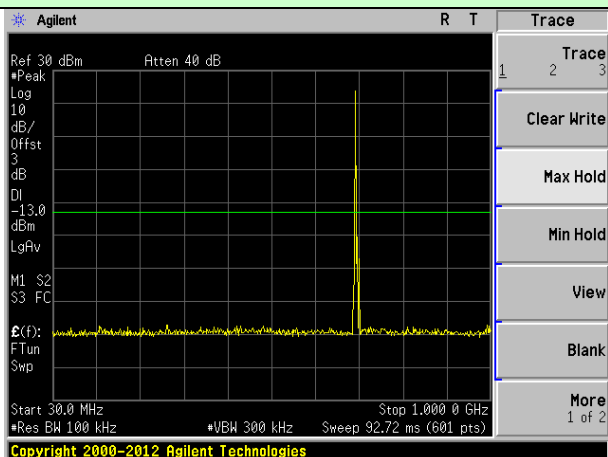


Middle channel

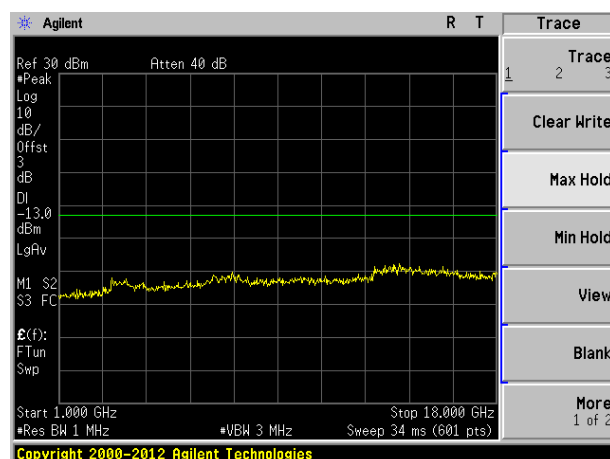
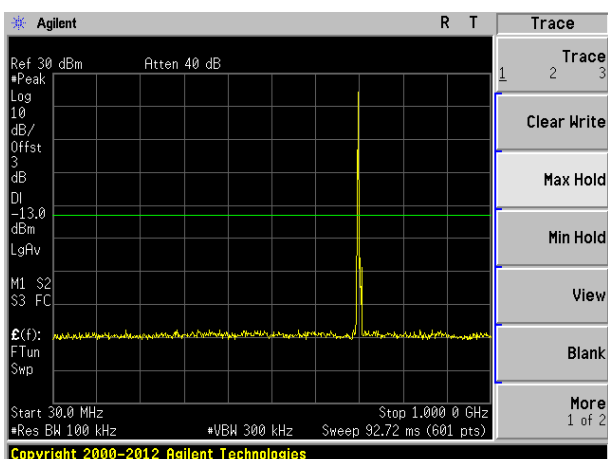


Highest channel

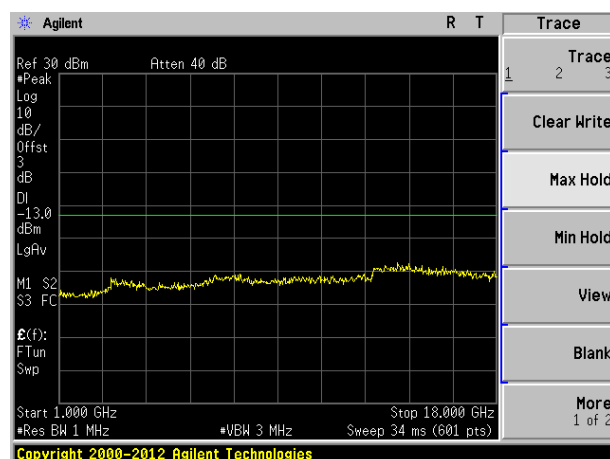
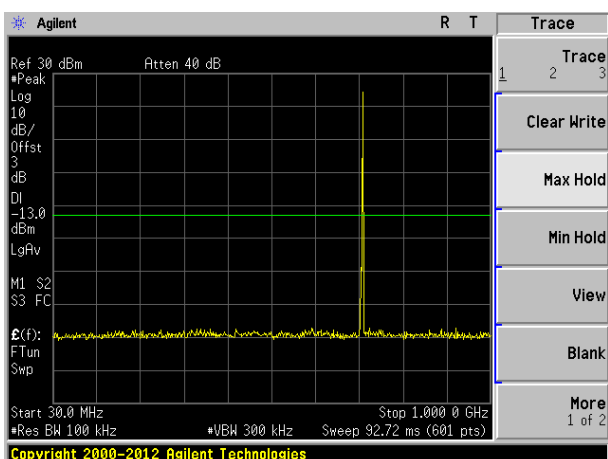
Test Mode: LTE Band 12	Channel Bandwidth: 5MHz
------------------------	-------------------------



Lowest channel



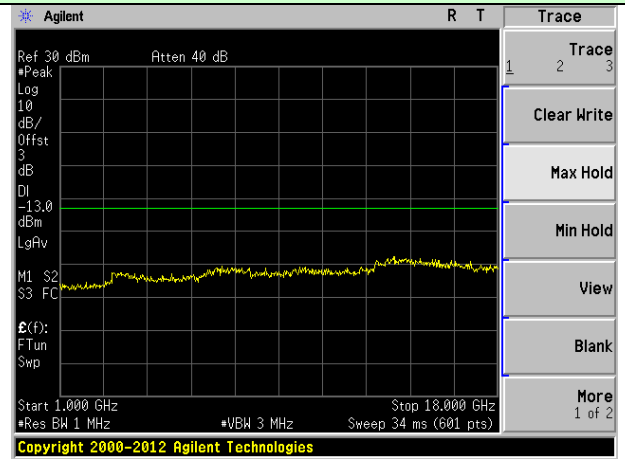
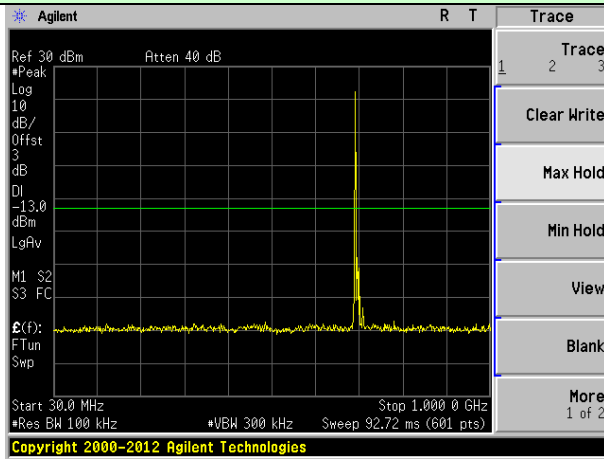
Middle channel



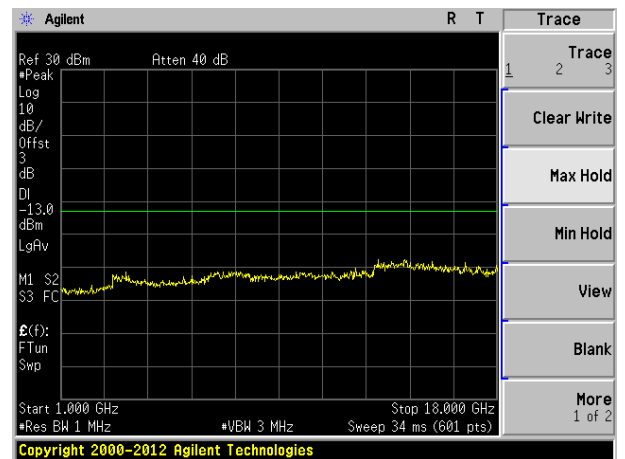
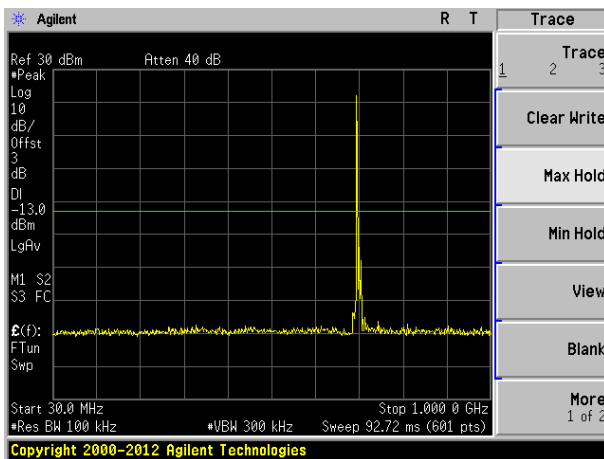
Highest channel

Test Mode: LTE Band 12

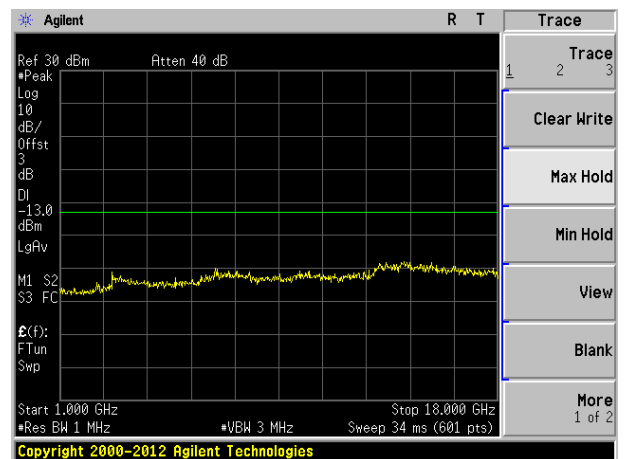
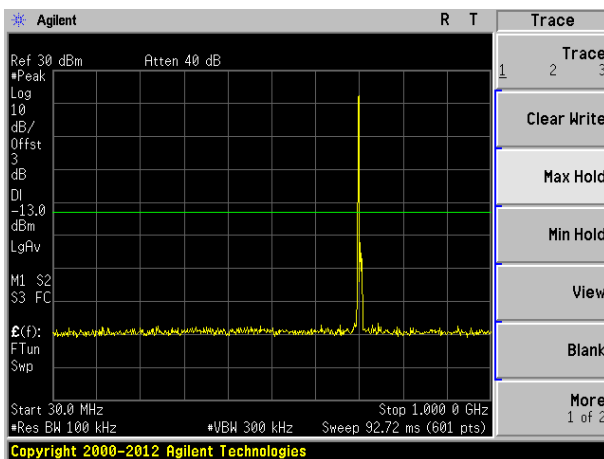
Channel Bandwidth: 10MHz



Lowest channel



Middle channel



Highest channel

Band Edge: QPSK mode:

1.4MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

1.4MHz Bandwidth (RB size:1# RB offset:5#)



Highest channel

1.4MHz Bandwidth (RB size:3# RB offset:0#)



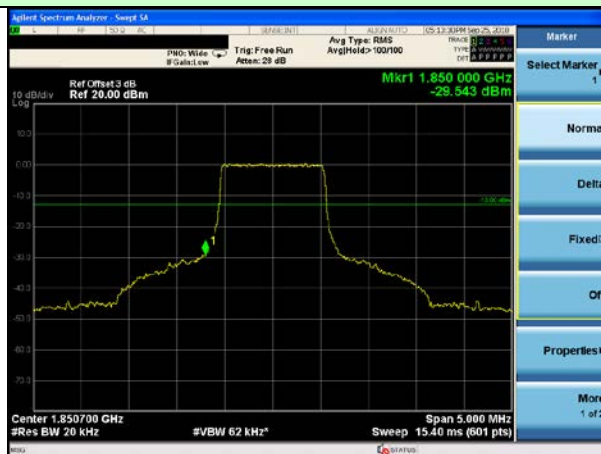
Lowest channel

1.4MHz Bandwidth (RB size:3# RB offset:2#)



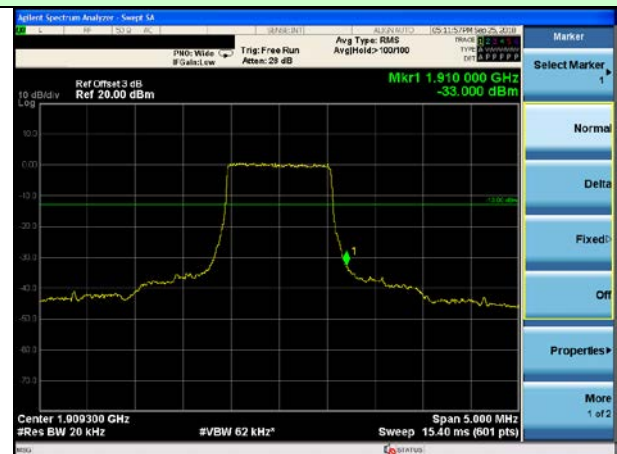
Highest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)



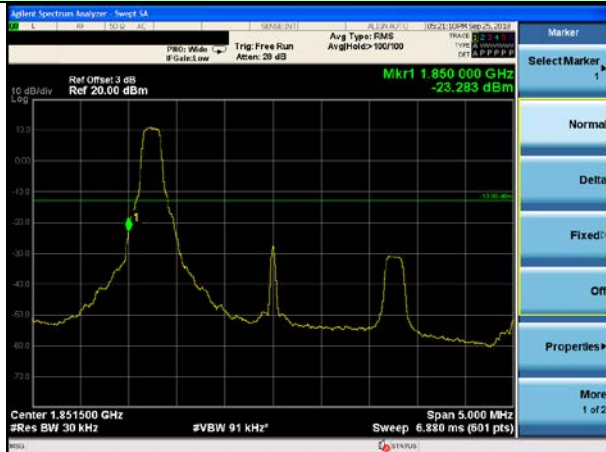
Lowest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)



Highest channel

3MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

3MHz Bandwidth (RB size:1# RB offset:14#)



Highest channel

3MHz Bandwidth (RB size:8# RB offset:0#)



Lowest channel

3MHz Bandwidth (RB size:8# RB offset:7#)



Highest channel

3MHz Bandwidth (RB size:15# RB offset:0#)



Lowest channel

3MHz Bandwidth (RB size:15# RB offset:0#)



Highest channel

5MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

5MHz Bandwidth (RB size:1# RB offset:24#)



Highest channel

5MHz Bandwidth (RB size:12# RB offset:0#)



Lowest channel

5MHz Bandwidth (RB size:12# RB offset:13#)



Highest channel

5MHz Bandwidth (RB size:25# RB offset:0#)



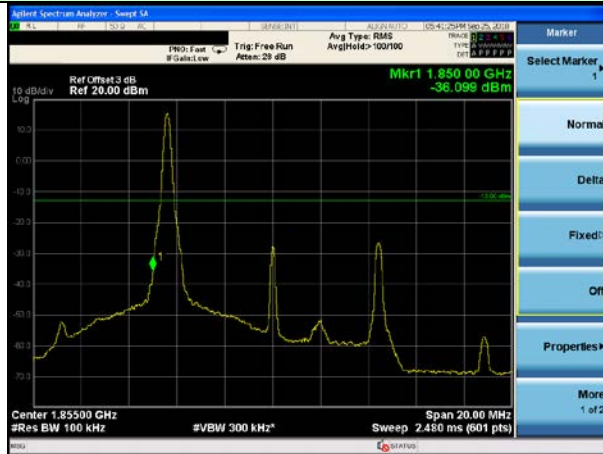
Lowest channel

5MHz Bandwidth (RB size:25# RB offset:0#)



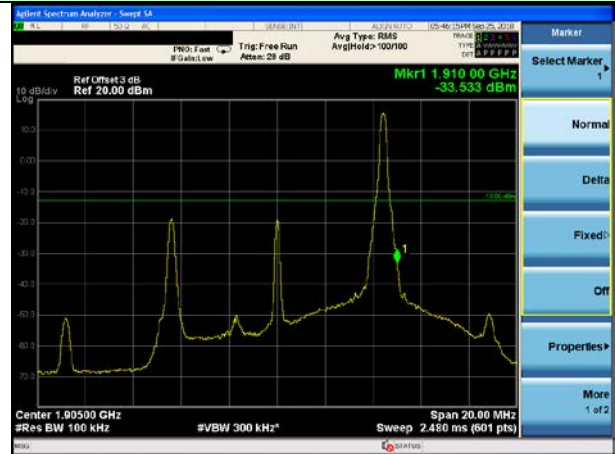
Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

10MHz Bandwidth (RB size:1# RB offset:49#)



Highest channel

10MHz Bandwidth (RB size:25# RB offset:0#)



Lowest channel

10MHz Bandwidth (RB size:25# RB offset:25#)



Highest channel

10MHz Bandwidth (RB size:50# RB offset:0#)



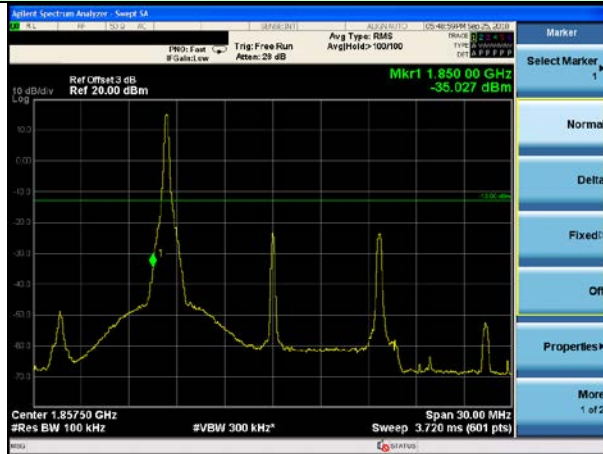
Lowest channel

10MHz Bandwidth (RB size:50# RB offset:0#)



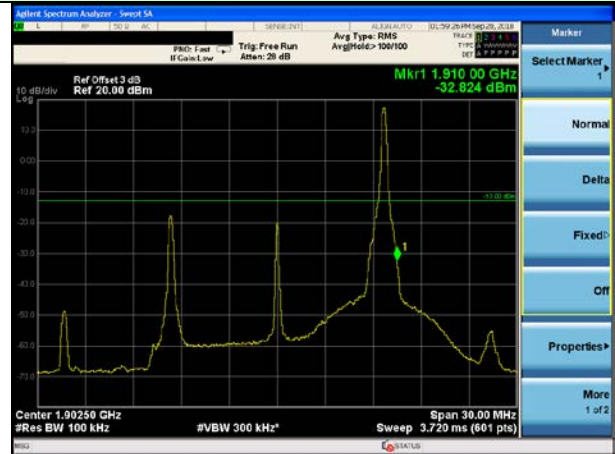
Highest channel

15MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

15MHz Bandwidth (RB size:1# RB offset:74#)



Highest channel

15MHz Bandwidth (RB size:36# RB offset:0#)



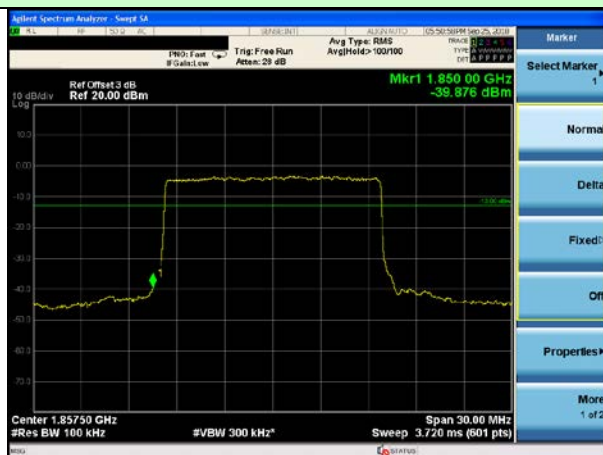
Lowest channel

15MHz Bandwidth (RB size:36# RB offset:39#)



Highest channel

15MHz Bandwidth (RB size:75# RB offset:0#)



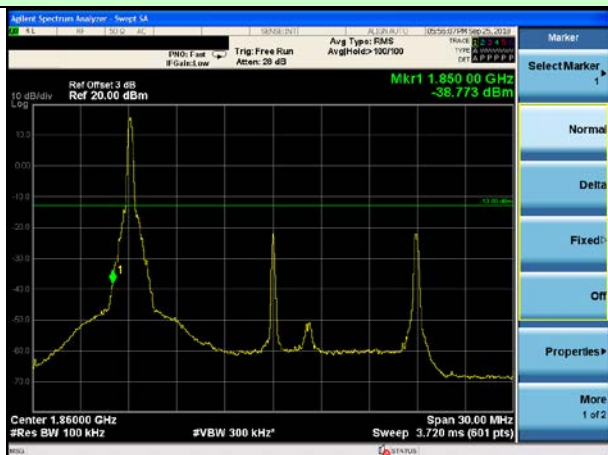
Lowest channel

15MHz Bandwidth (RB size:75# RB offset:0#)



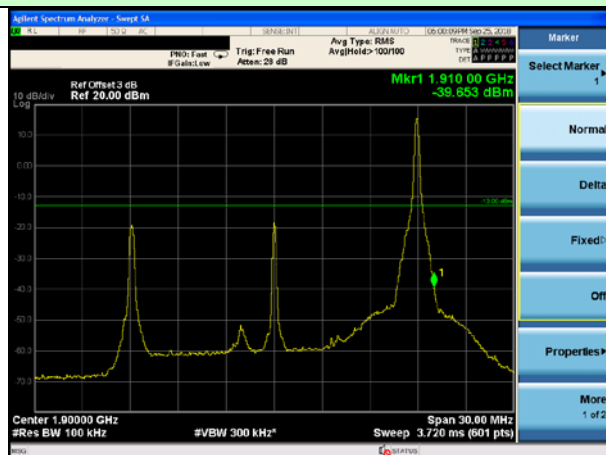
Highest channel

20MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

20MHz Bandwidth (RB size:1# RB offset:99#)



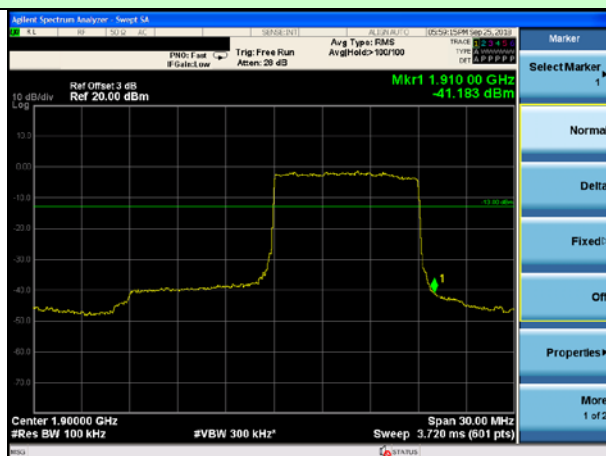
Highest channel

20MHz Bandwidth (RB size:50# RB offset:0#)



Lowest channel

20MHz Bandwidth (RB size:50# RB offset:50#)



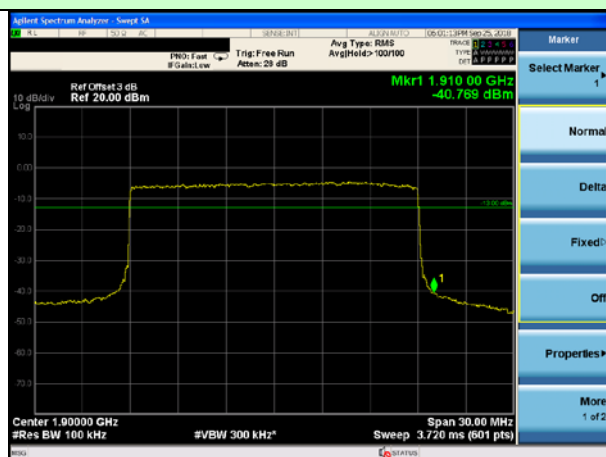
Highest channel

20MHz Bandwidth (RB size:100# RB offset:0#)



Lowest channel

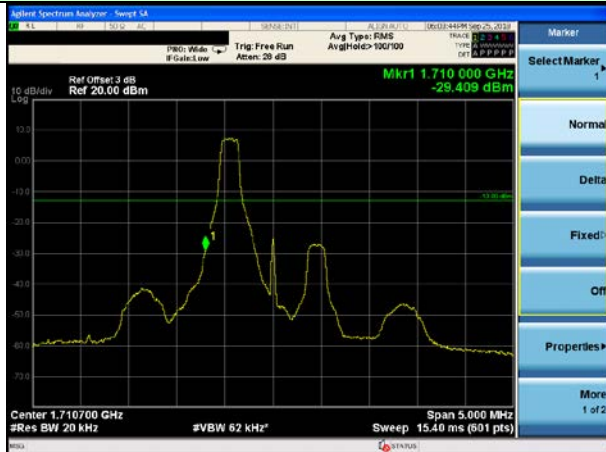
20MHz Bandwidth (RB size:100# RB offset:0#)



Highest channel

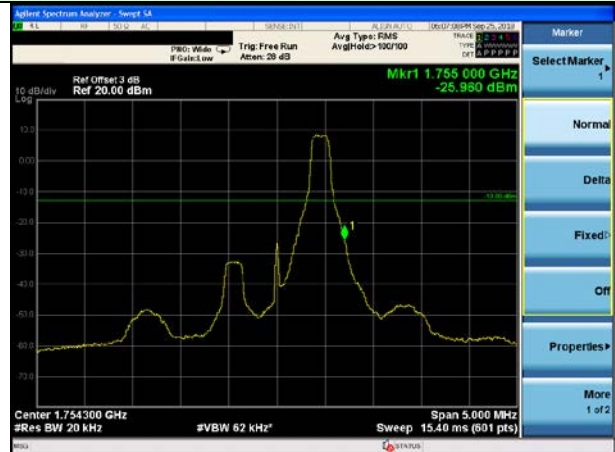
LTE Band 4

1.4MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

1.4MHz Bandwidth (RB size:1# RB offset:5#)



Highest channel

1.4MHz Bandwidth (RB size:3# RB offset:0#)



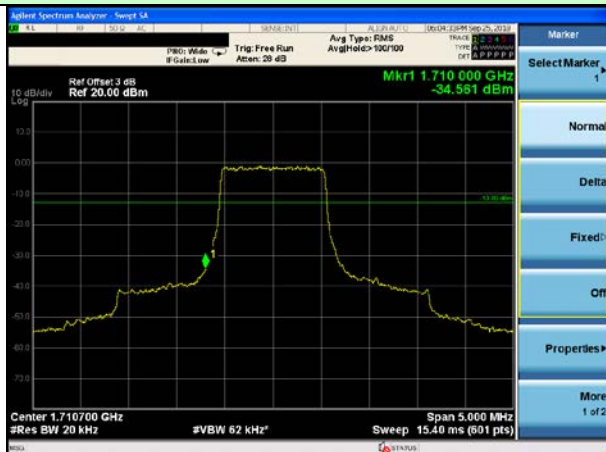
Lowest channel

1.4MHz Bandwidth (RB size:3# RB offset:2#)



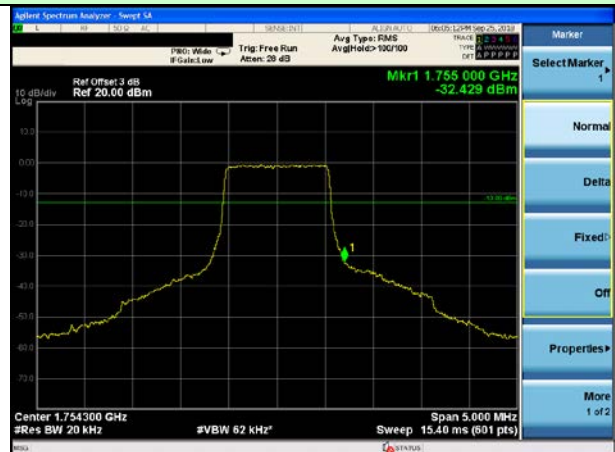
Highest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)



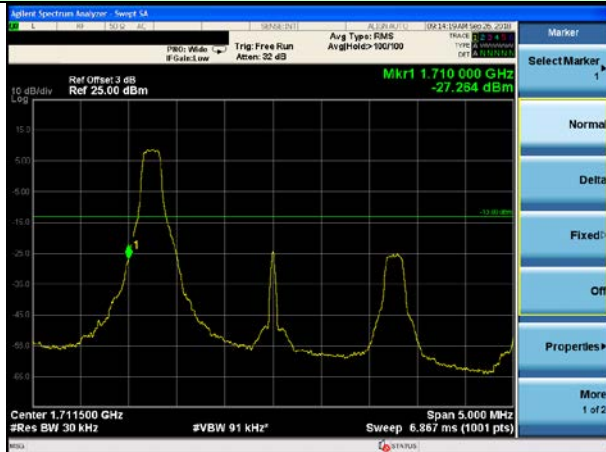
Lowest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)



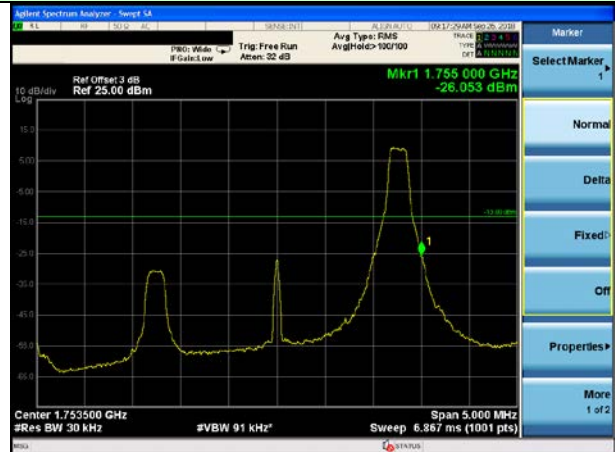
Highest channel

3MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

3MHz Bandwidth (RB size:1# RB offset:14#)



Highest channel

3MHz Bandwidth (RB size:8# RB offset:0#)



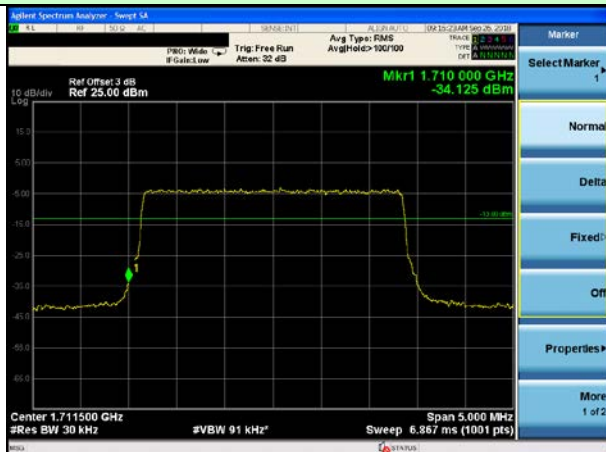
Lowest channel

3MHz Bandwidth (RB size:8# RB offset:7#)



Highest channel

3MHz Bandwidth (RB size:15# RB offset:0#)



Lowest channel

3MHz Bandwidth (RB size:15# RB offset:0#)



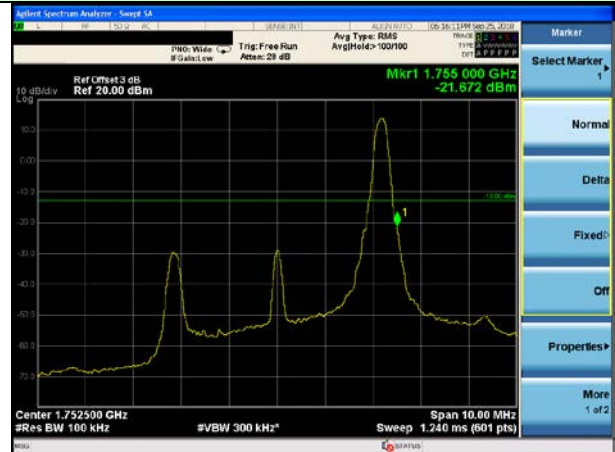
Highest channel

5MHz Bandwidth (RB size:1# RB offset:0#)



Lowest channel

5MHz Bandwidth (RB size:1# RB offset:24#)



Highest channel

5MHz Bandwidth (RB size:12# RB offset:0#)



Lowest channel

5MHz Bandwidth (RB size:12# RB offset:13#)



Highest channel

5MHz Bandwidth (RB size:25# RB offset:0#)



Lowest channel

5MHz Bandwidth (RB size:25# RB offset:0#)



Highest channel