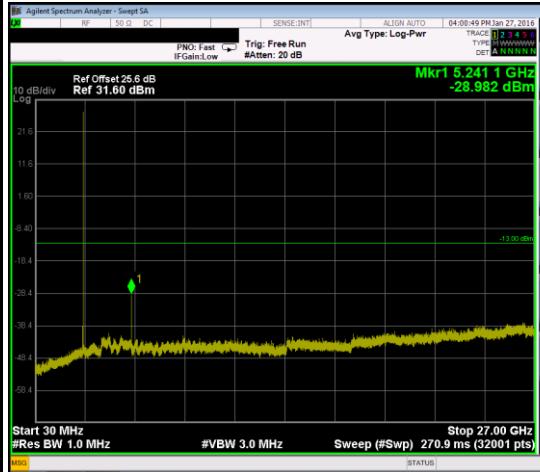
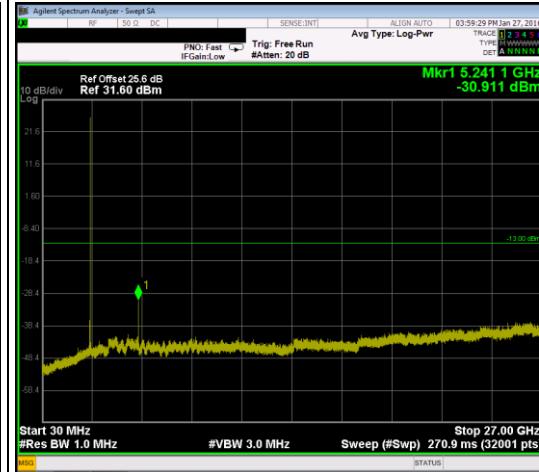
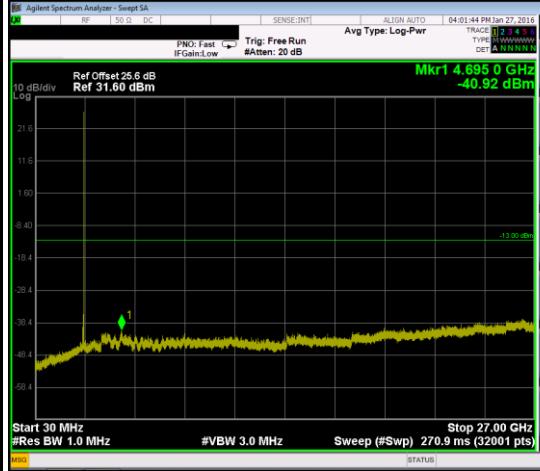
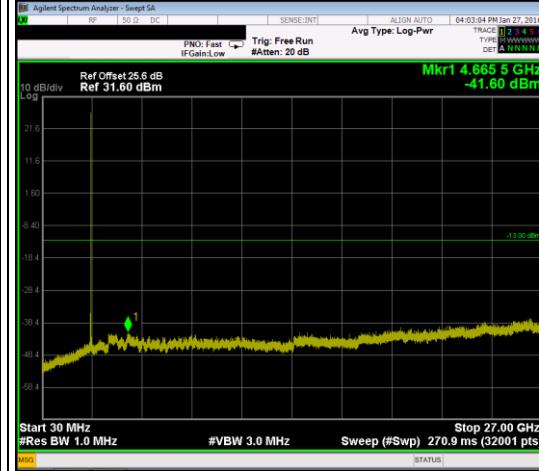
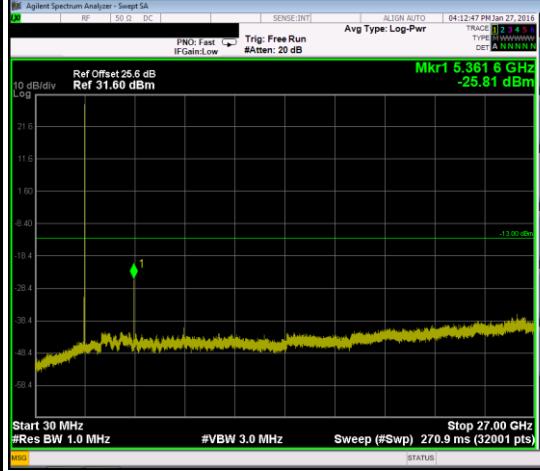
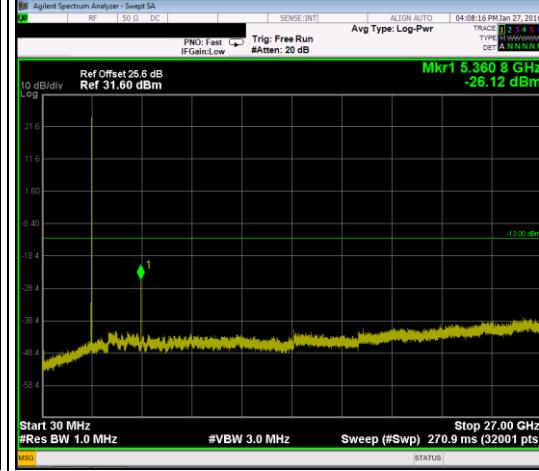
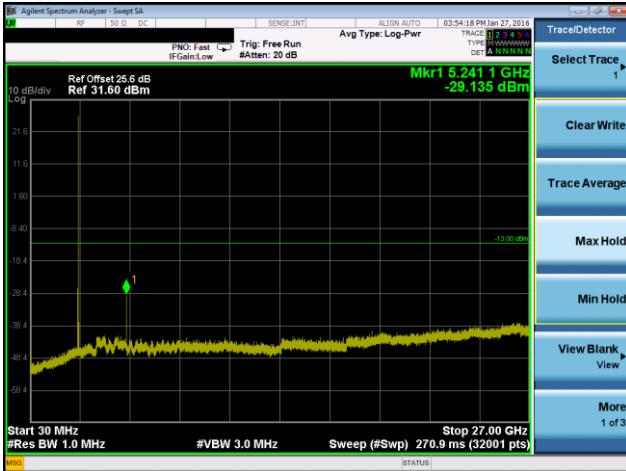
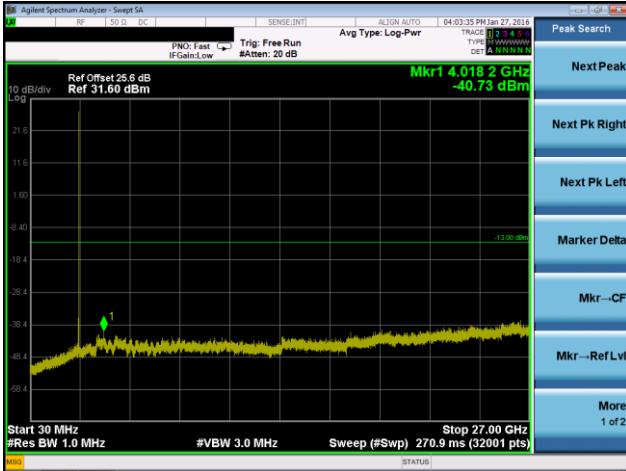
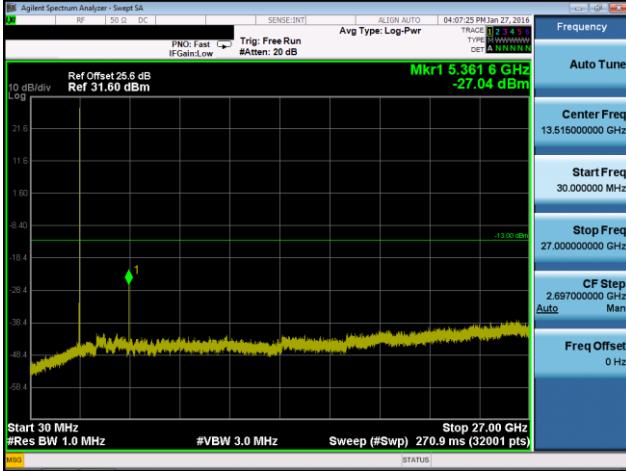
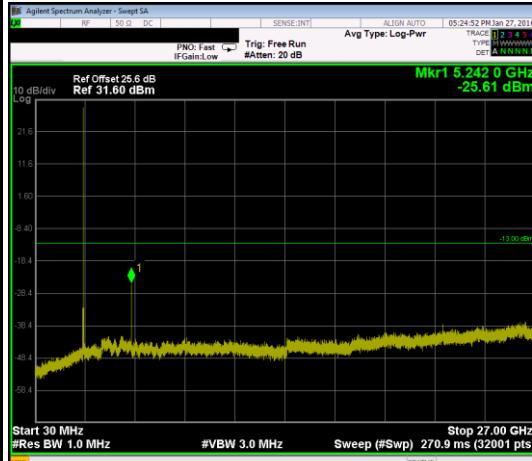
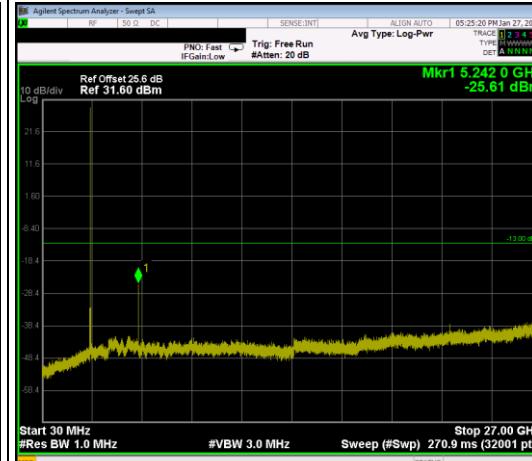
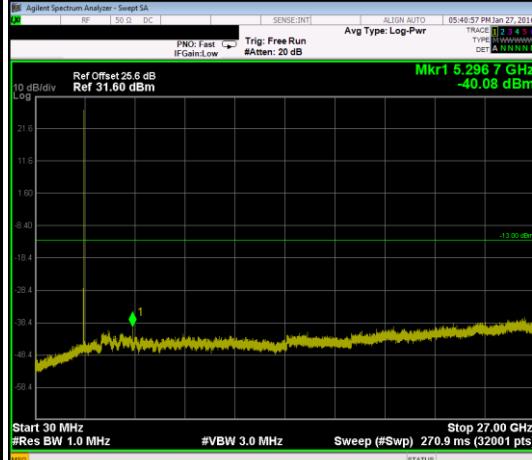
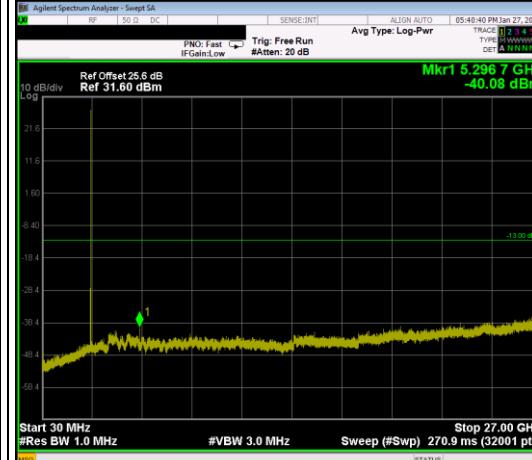
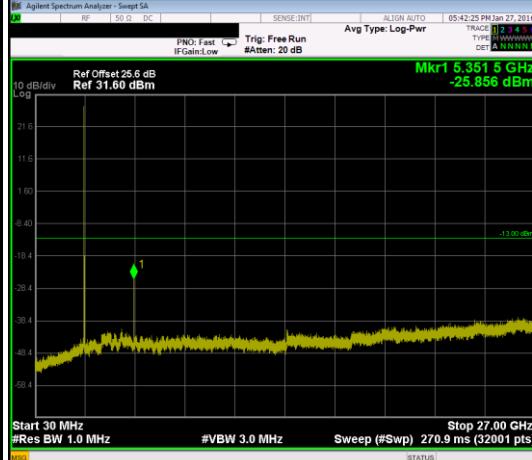
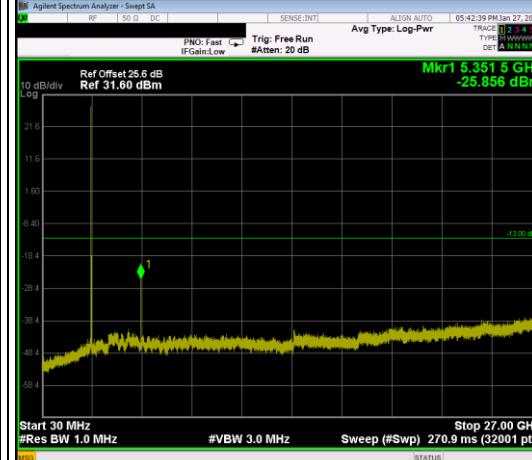


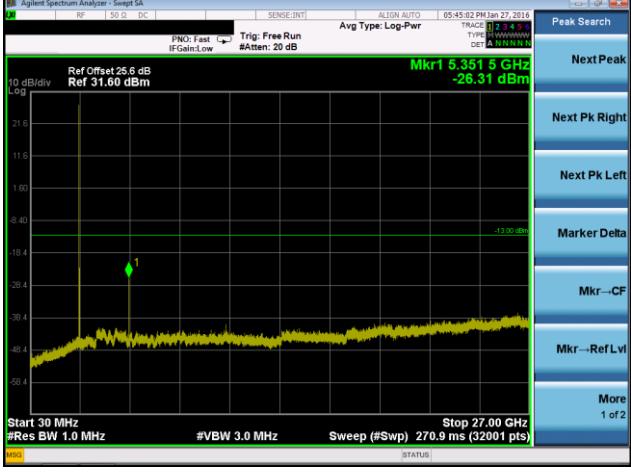
LTE Band 41, CB: 10MHz

Mode	LTE Band 41, CB: 10MHz, QPSK	Mode	LTE Band 41, CB: 10MHz, 16QAM
Low Channel		Low Channel	
 <p>Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts)</p>		 <p>Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts)</p>	
Mid. Channel		Mid. Channel	
 <p>Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts)</p>		 <p>Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts)</p>	
High Channel		High Channel	
 <p>Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts)</p>		 <p>Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts)</p>	

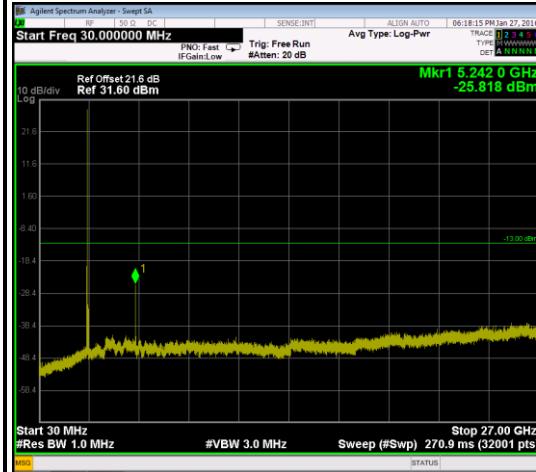
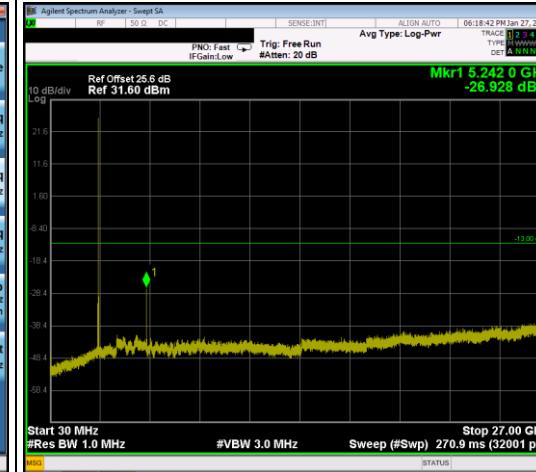
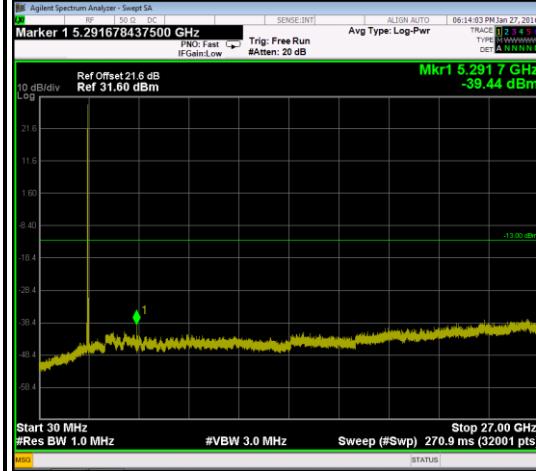
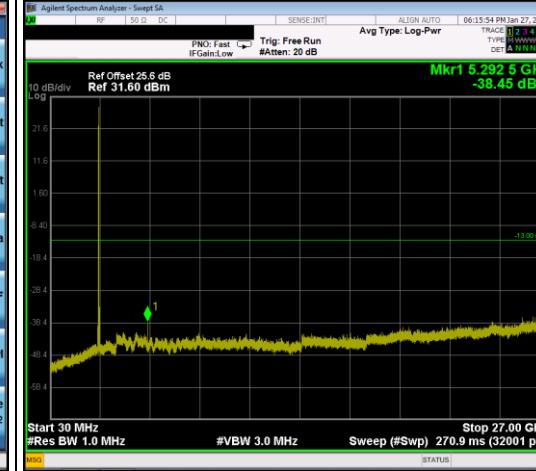
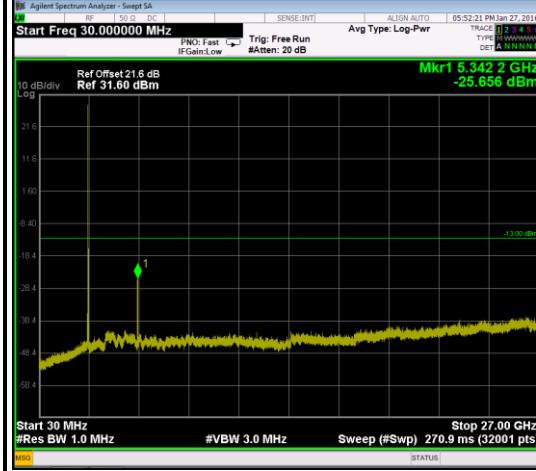
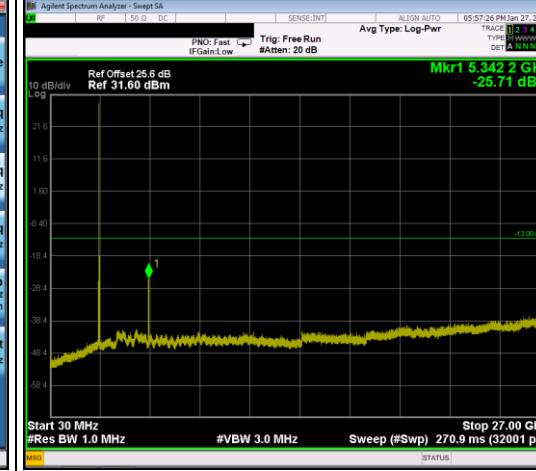
Mode	LTE Band 41, CB: 10MHz, 64QAM	Mode	---
Low Channel			Low Channel
			---
<div style="background-color: #e0f2ff; padding: 5px; border-radius: 5px;"> TraceDetector Select Trace 1 Clear Write Trace Average Max Hold Min Hold View Blank View More 1 of 3 </div>			---
Mid. Channel			Mid. Channel
			---
<div style="background-color: #e0f2ff; padding: 5px; border-radius: 5px;"> Peak Search Next Peak Next Pk Right Next Pk Left Marker Delta Mkr-->CP Mkr-->Ref Lvl More 1 of 2 </div>			---
High Channel			High Channel
			---
<div style="background-color: #e0f2ff; padding: 5px; border-radius: 5px;"> Frequency Auto Tune Center Freq 13.515000000 GHz Start Freq 30.000000 MHz Stop Freq 27.000000000 GHz CF Step 2.697000000 GHz Auto Man Freq Offset 0 Hz </div>			---

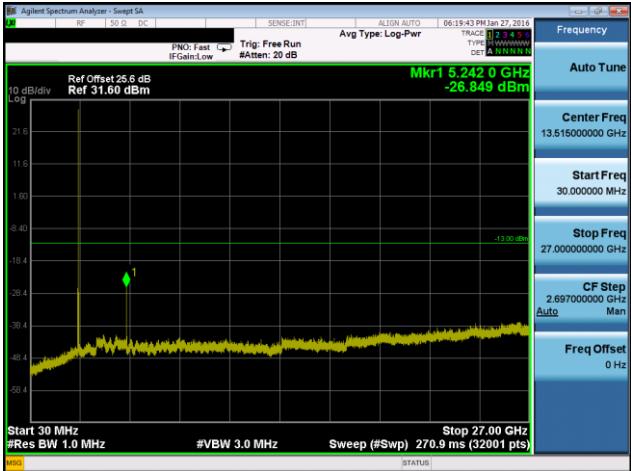
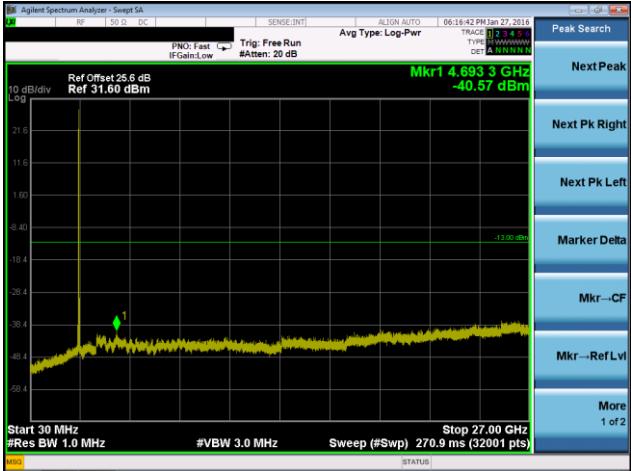
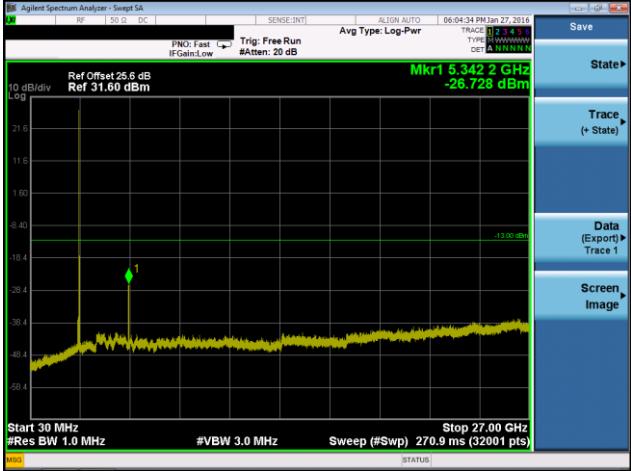
LTE Band 41, CB: 15MHz

Mode	LTE Band 41, CB: 15MHz, QPSK	Mode	LTE Band 41, CB: 15MHz, 16QAM
Low Channel		Low Channel	
			
Mid. Channel		Mid. Channel	
			
High Channel		High Channel	
			

Mode	LTE Band 41, CB: 15MHz, 64QAM	Mode	---
Low Channel			Low Channel
			
Mid. Channel			Mid. Channel
			
High Channel			High Channel
			

LTE Band 41, CB: 20MHz

Mode	LTE Band 41, CB: 20MHz, QPSK	Mode	LTE Band 41, CB: 20MHz, 16QAM
Low Channel		Low Channel	
 <p>Start Freq 30.000000 MHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB Mkr1 5.242 0 GHz -25.818 dBm Ref Offset 21.6 dB Ref 31.60 dBm 10 dB/div Log 21.6 11.6 1.60 -8.40 -18.4 -28.4 -38.4 -48.4 -58.4 Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts) Stop 27.00 GHz</p>		 <p>Start Freq 30.000000 MHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB Mkr1 5.242 0 GHz -26.928 dBm Ref Offset 25.6 dB Ref 31.60 dBm 10 dB/div Log 21.6 11.6 1.60 -8.40 -18.4 -28.4 -38.4 -48.4 -58.4 Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts) Stop 27.00 GHz</p>	
Mid. Channel		Mid. Channel	
 <p>Marker 1 5.291678437500 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB Mkr1 5.291 7 GHz -39.44 dBm Ref Offset 21.6 dB Ref 31.60 dBm 10 dB/div Log 21.6 11.6 1.60 -8.40 -18.4 -28.4 -38.4 -48.4 -58.4 Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts) Stop 27.00 GHz</p>		 <p>Marker 1 5.292 5 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB Mkr1 5.292 5 GHz -38.45 dBm Ref Offset 25.6 dB Ref 31.60 dBm 10 dB/div Log 21.6 11.6 1.60 -8.40 -18.4 -28.4 -38.4 -48.4 -58.4 Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts) Stop 27.00 GHz</p>	
High Channel		High Channel	
 <p>Start Freq 30.000000 MHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB Mkr1 5.342 2 GHz -25.656 dBm Ref Offset 21.6 dB Ref 31.60 dBm 10 dB/div Log 21.6 11.6 1.60 -8.40 -18.4 -28.4 -38.4 -48.4 -58.4 Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts) Stop 27.00 GHz</p>		 <p>Marker 1 5.342 2 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 20 dB Mkr1 5.342 2 GHz -25.71 dBm Ref Offset 25.6 dB Ref 31.60 dBm 10 dB/div Log 21.6 11.6 1.60 -8.40 -18.4 -28.4 -38.4 -48.4 -58.4 Start 30 MHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep (#Swp) 270.9 ms (32001 pts) Stop 27.00 GHz</p>	

Mode	LTE Band 41, CB: 20MHz, 64QAM	Mode	---
Low Channel			Low Channel
			
Mid. Channel			Mid. Channel
			
High Channel			High Channel
			

3.4 Channel Edge

3.4.1 Limit of Channel Edge

For all fixed digital user stations, the attenuation factor shall be not less than $43 + 10 \log (P)$ dB at the channel edge

3.4.2 Test Procedures

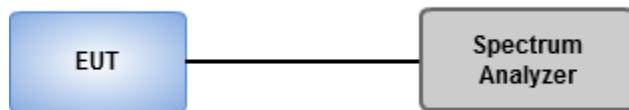
Frequency in 2615~2695 MHz

- 1 Set RBW = 51 ~ 160 kHz, VBW = 160 ~ 620 kHz for channel bandwidth 5 ~ 20 MHz, detector = RMS, sweep time = auto
- 2 Use channel power measurement function of spectrum analyzer to integrate power over necessary bandwidth.

Frequency below 2615 and above 2695 MHz

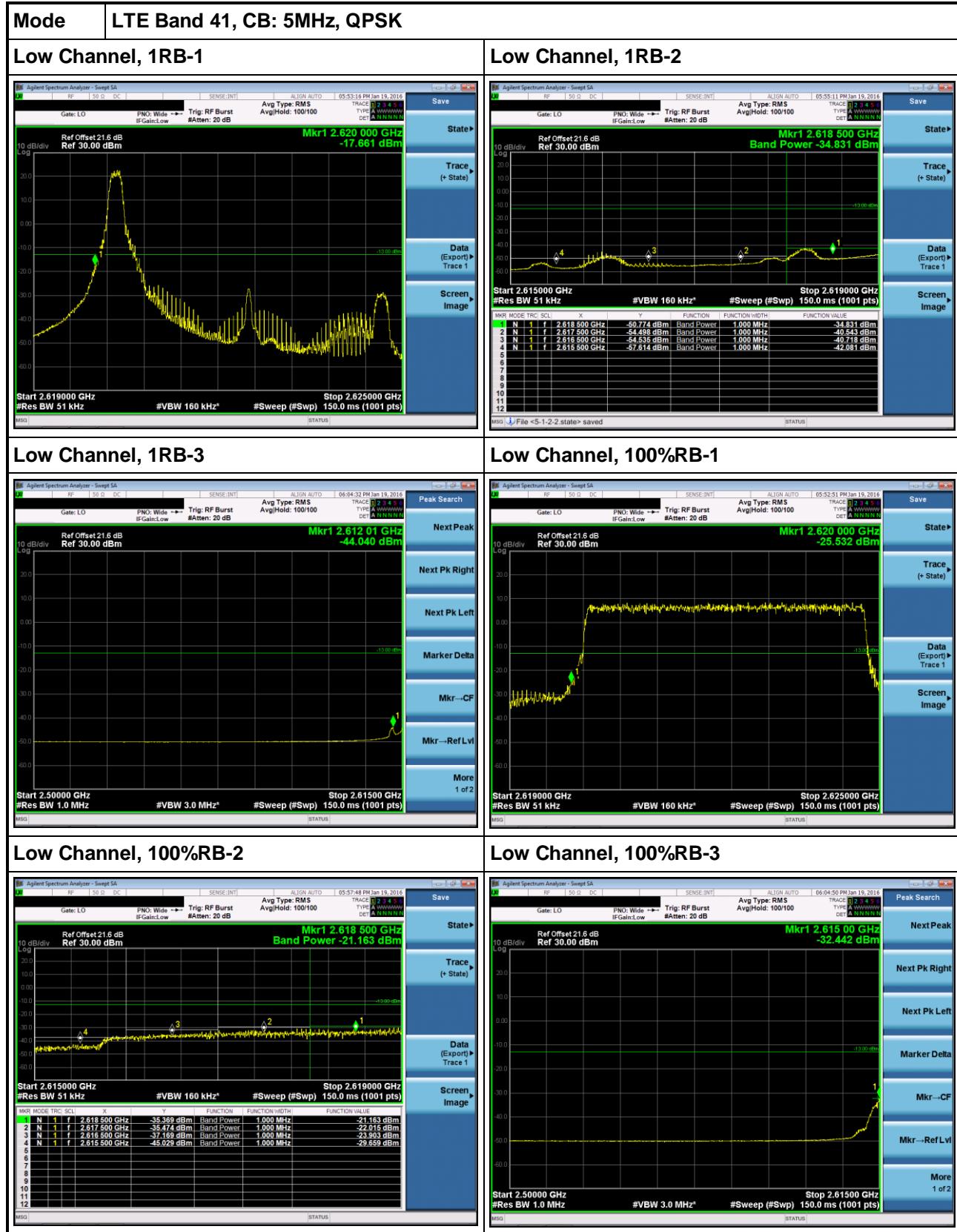
- 1 Set RBW = 1MHz, VBW= 3MHz detector = RMS, sweep time = auto.
- 2 Record the max trace value and capture the test plot.

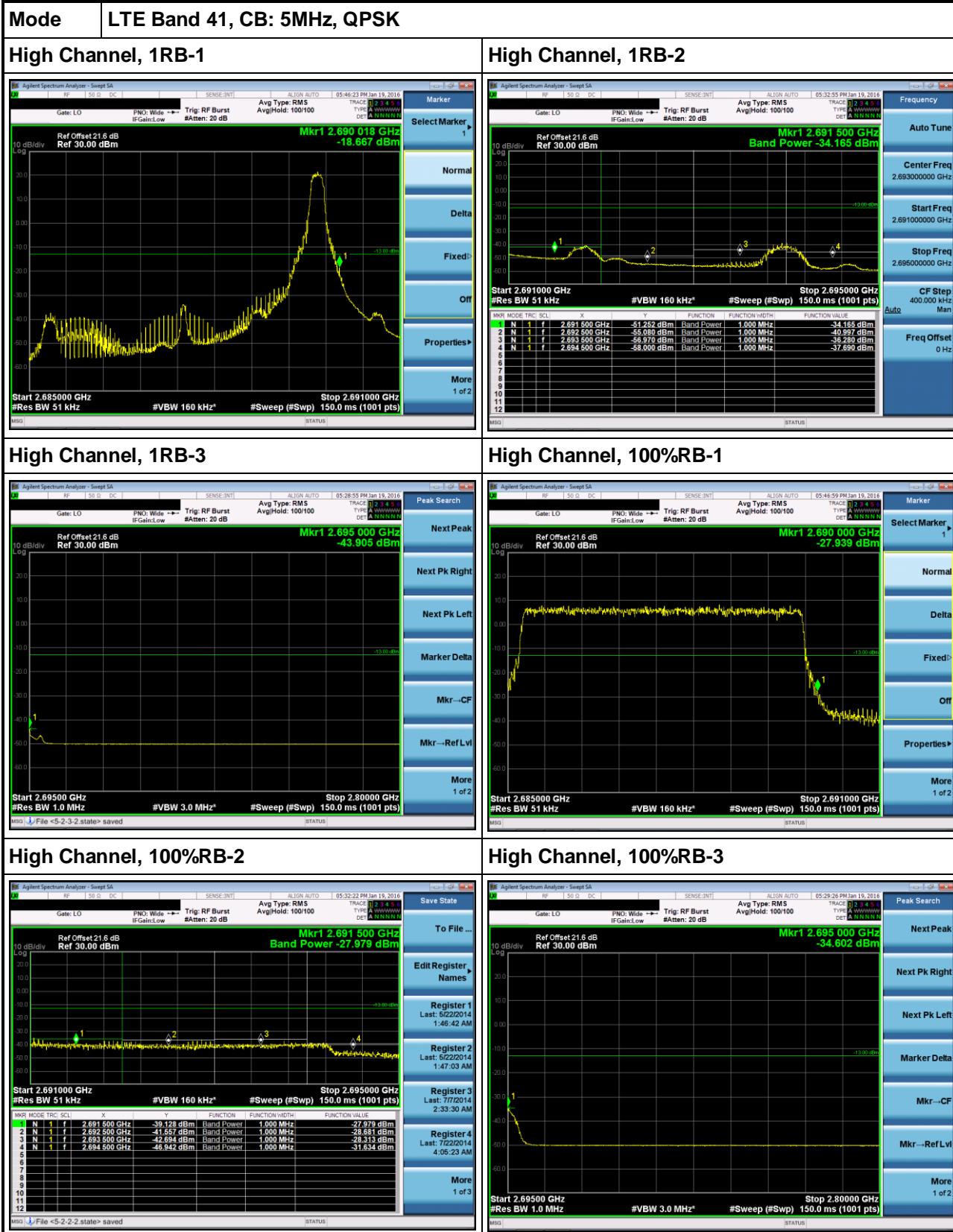
3.4.3 Test Setup

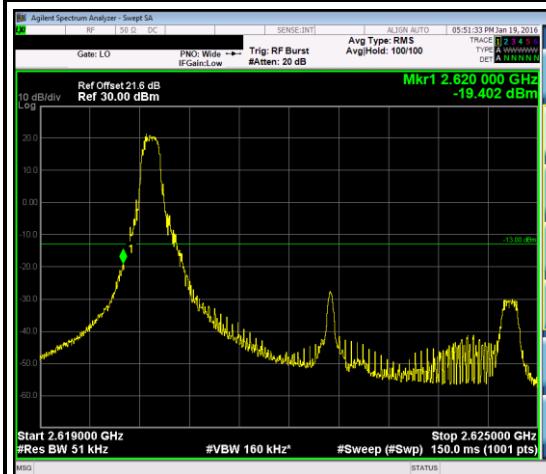


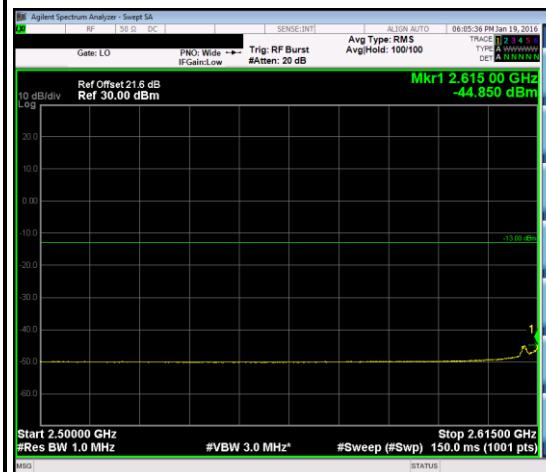
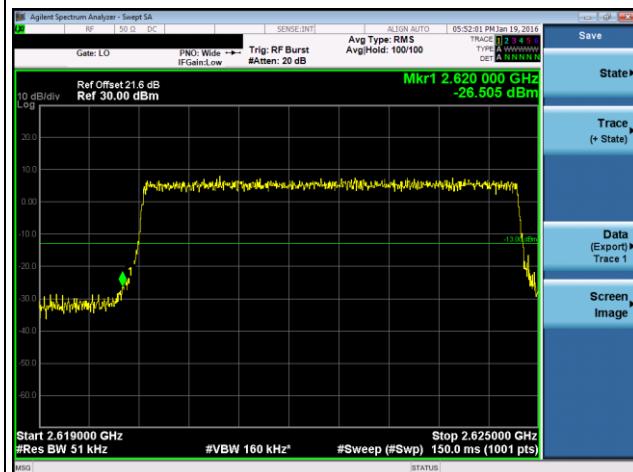
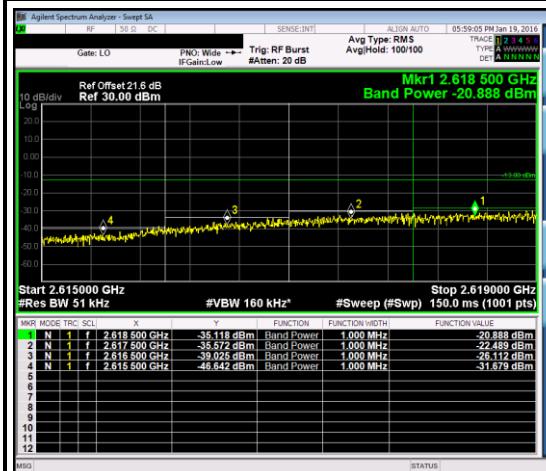
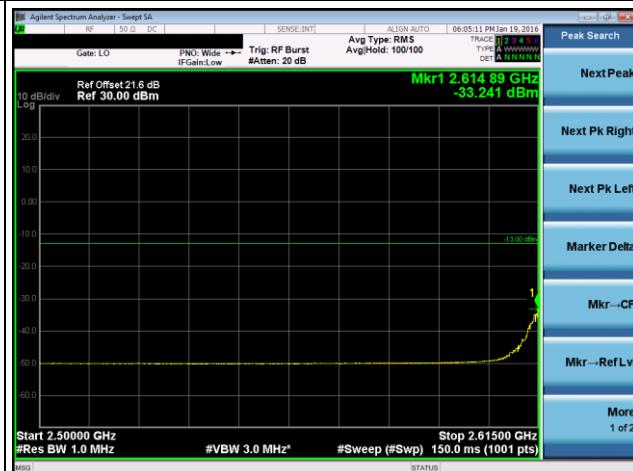
3.4.4 Test Result of Band Edge

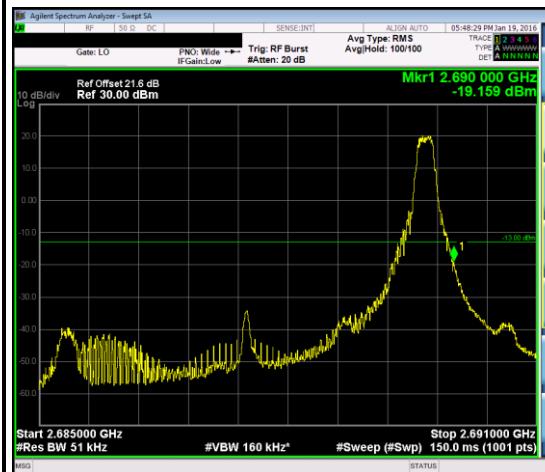
LTE Band 41, CB: 5MHz

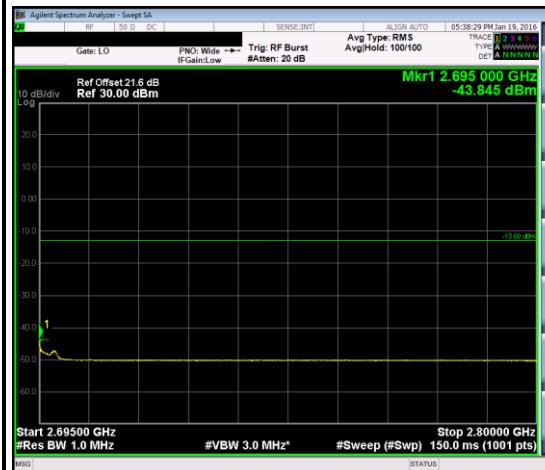
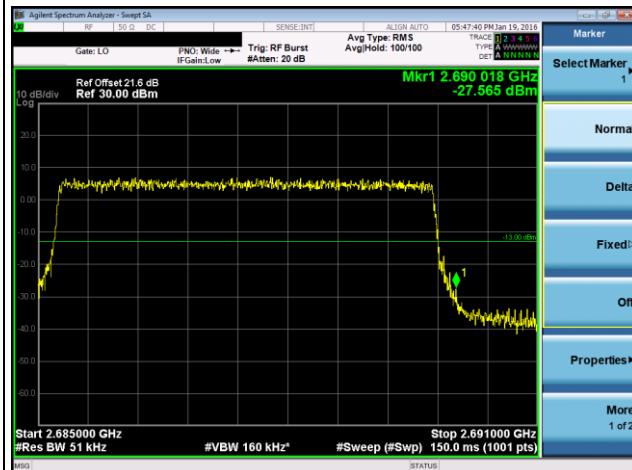
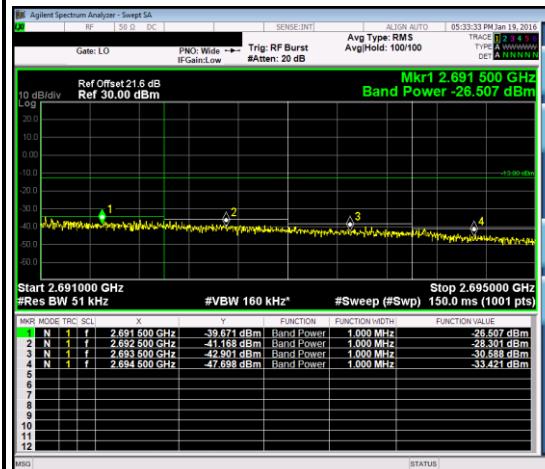


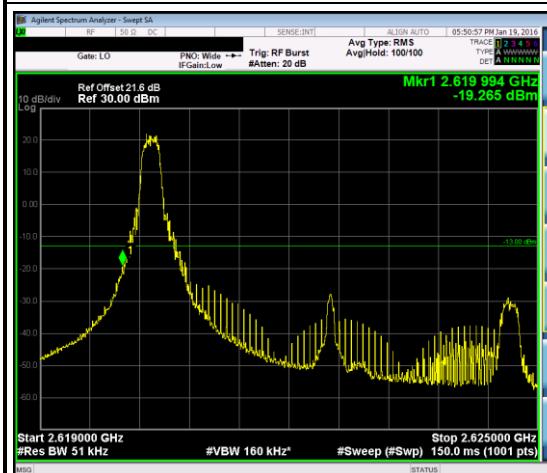
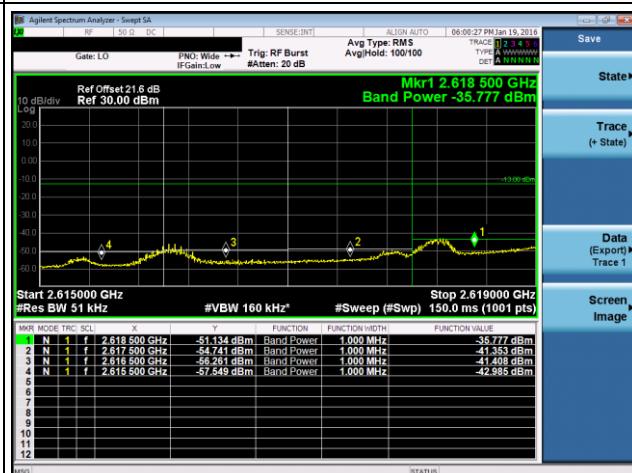
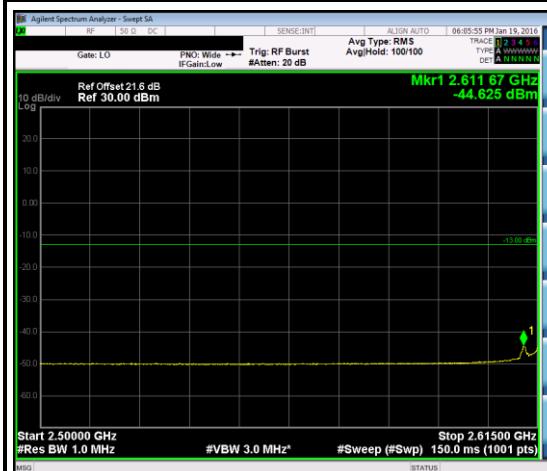
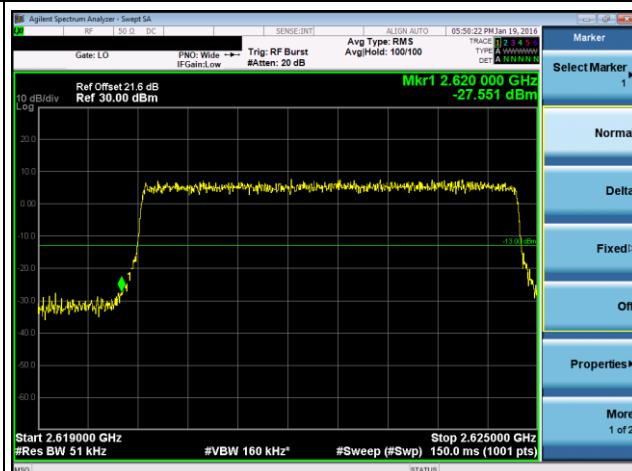
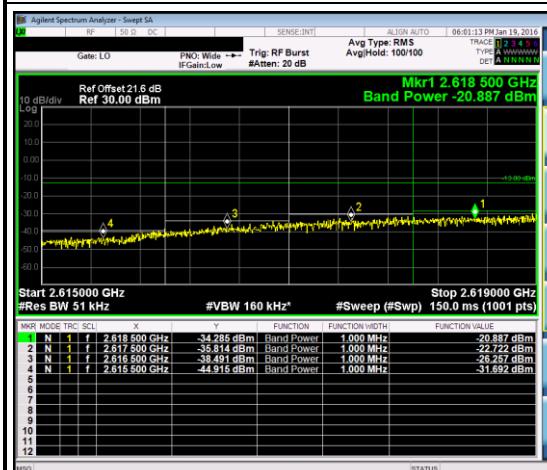
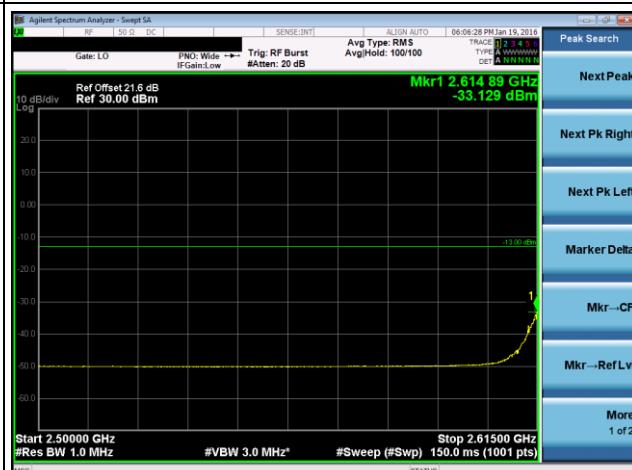


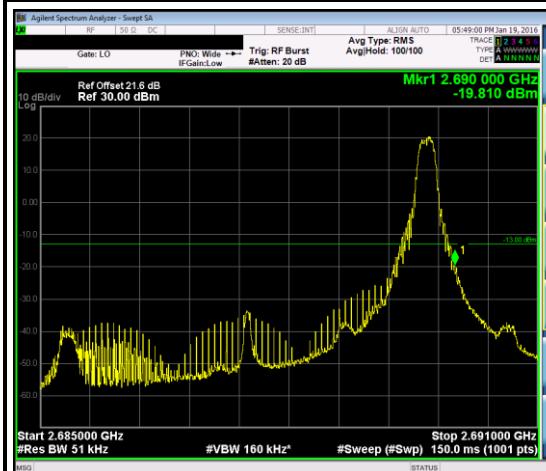
Mode LTE Band 41, CB: 5MHz, 16QAM
Low Channel, 1RB-1

Low Channel, 1RB-2

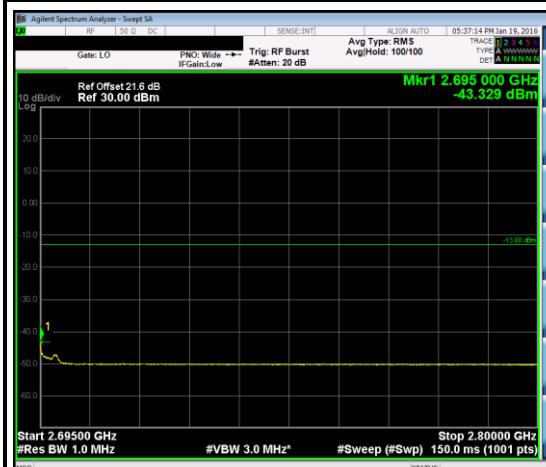
Low Channel, 1RB-3

Low Channel, 100%RB-1

Low Channel, 100%RB-2

Low Channel, 100%RB-3


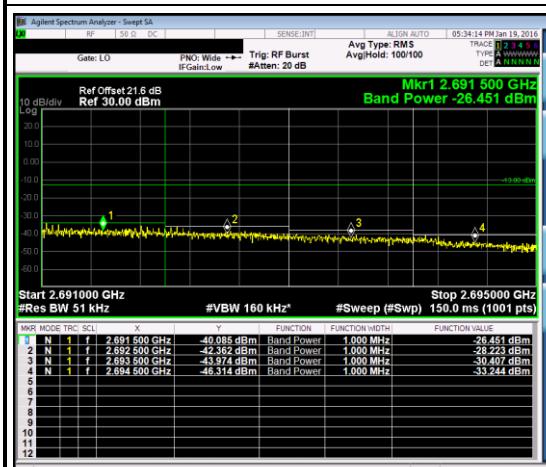
Mode LTE Band 41, CB: 5MHz, 16QAM
High Channel, 1RB-1

High Channel, 1RB-2

High Channel, 1RB-3

High Channel, 100%RB-1

High Channel, 100%RB-2

High Channel, 100%RB-3


Mode LTE Band 41, CB: 5MHz, 64QAM
Low Channel, 1RB-1

Low Channel, 1RB-2

Low Channel, 1RB-3

Low Channel, 100%RB-1

Low Channel, 100%RB-2

Low Channel, 100%RB-3


Mode LTE Band 41, CB: 5MHz, 64QAM
High Channel, 1RB-1

High Channel, 1RB-2

High Channel, 1RB-3

High Channel, 100%RB-1

High Channel, 100%RB-2

High Channel, 100%RB-3
