

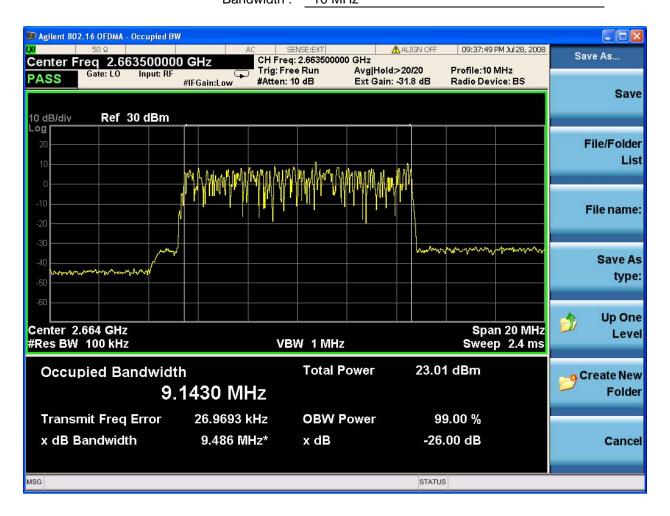
6.3.4.3 2663.5 MHz / 64QAM

FCC Rules: Part 2 §2.1046 & §27.50(h)

Path: Up Link

Operating Frequency: 1st FA (2663.5 MHz)

Input Level: -56 dBm
System Gain: 80 dB
Modulation: 64QAM
Bandwidth: 10 MHz



 Channel Power :
 23.01 dBm

 99% Bandwidth :
 9.1430 MHz

 26 dB Bandwidth :
 9.486 MHz



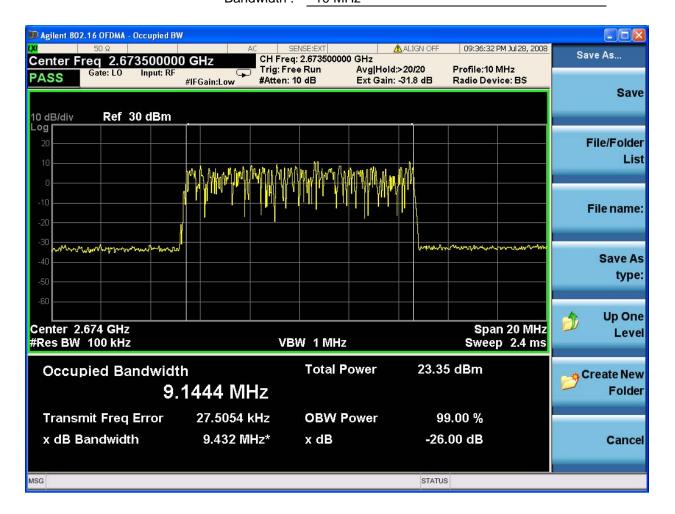
6.3.4.4 2673.5 MHz / QPSK

FCC Rules: Part 2 §2.1046 & §27.50(h)

Path: Up Link

Operating Frequency: 2nd FA (2673.5 MHz)

Input Level: -56 dBm
System Gain: 80 dB
Modulation: QPSK
Bandwidth: 10 MHz



 Channel Power :
 23.35 dBm

 99% Bandwidth :
 9.1444 MHz

 26 dB Bandwidth :
 9.432 MHz



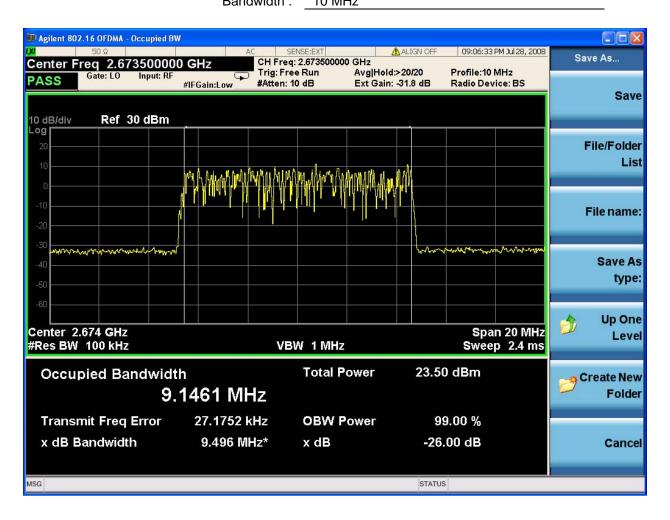
6.3.4.5 2673.5 MHz / 16QAM

FCC Rules: Part 2 §2.1046 & §27.50(h)

Path: Up Link

Operating Frequency: 2nd FA (2673.5 MHz)

Input Level: -56 dBm
System Gain: 80 dB
Modulation: 16QAM
Bandwidth: 10 MHz



 Channel Power :
 23.50 dBm

 99% Bandwidth :
 9.1461 MHz

 26 dB Bandwidth :
 9.496 MHz



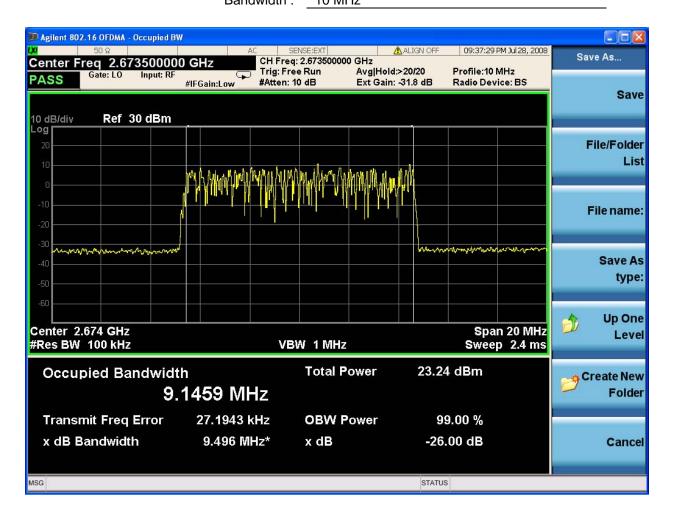
6.3.4.6 2673.5 MHz / 64QAM

FCC Rules: Part 2 §2.1046 & §27.50(h)

Path: Up Link

Operating Frequency: 2nd FA (2673.5 MHz)

Input Level: -56 dBm
System Gain: 80 dB
Modulation: 64QAM
Bandwidth: 10 MHz



 Channel Power :
 23.24 dBm

 99% Bandwidth :
 9.1459 MHz

 26 dB Bandwidth :
 9.496 MHz



6.3.4.7 2683.5 MHz / QPSK

FCC Rules: Part 2 §2.1046 & §27.50(h)

Path: Up Link

Operating Frequency: 3rd FA (2683.5 MHz)

Input Level: -56 dBm
System Gain: 80 dB
Modulation: QPSK
Bandwidth: 10 MHz

🏴 Agilent 802.16 OFDMA - Occupied BW 09:36:45 PM Jul 28, 2008 Save As... CH Freq: 2.683500000 GHz Center Freq 2.683500000 GHz Trig: Free Run Avg|Hold:>20/20 Profile:10 MHz Ext Gain: -31.8 dB Radio Device: BS #Atten: 10 dB Save 10 dB/div Ref 30 dBm Log File/Folder List File name: Save As more production many men type: **Up One** Center 2.684 GHz #Res BW 100 kHz Span 20 MHz Level VBW 1 MHz Sweep 2.4 ms **Total Power** Occupied Bandwidth 24.12 dBm **Create New** 9.1431 MHz Folder Transmit Freq Error 27.3988 kHz **OBW Power** 99.00 % 9.432 MHz* -26.00 dB x dB Bandwidth x dB Cancel STATUS

 Channel Power :
 24.12 dBm

 99% Bandwidth :
 9.1431 MHz

 26 dB Bandwidth :
 9.432 MHz



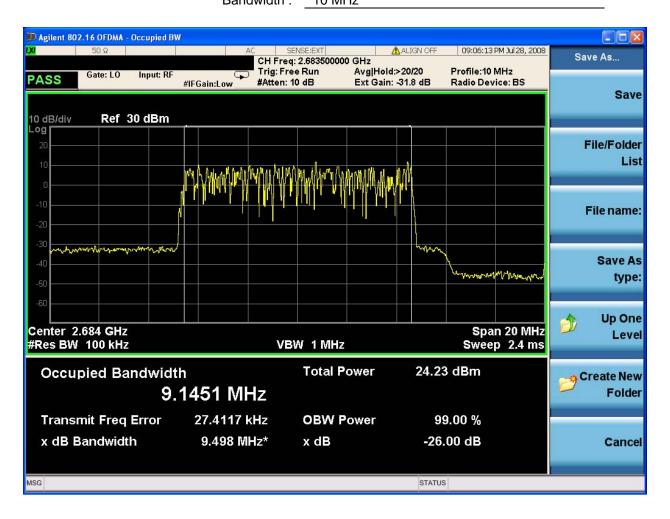
6.3.4.8 2683.5 MHz / 16QAM

FCC Rules: Part 2 §2.1046 & §27.50(h)

Path: Up Link

Operating Frequency: 3rd FA (2683.5 MHz)

Input Level: -56 dBm
System Gain: 80 dB
Modulation: 16QAM
Bandwidth: 10 MHz



 Channel Power :
 24.23 dBm

 99% Bandwidth :
 9.1451 MHz

 26 dB Bandwidth :
 9.498 MHz



6.3.4.9 2683.5 MHz / 64QAM

FCC Rules: Part 2 §2.1046 & §27.50(h)

Path: Up Link

Operating Frequency: 3rd FA (2683.5 MHz)

Input Level: -56 dBm
System Gain: 80 dB
Modulation: 64QAM
Bandwidth: 10 MHz

🏴 Agilent 802.16 OFDMA - Occupied BW 09:37:15 PM Jul 28, 2008 Save As... CH Freq: 2.683500000 GHz Trig: Free Run Avg|Hold:>20/20 Profile:10 MHz Gate: LO Input: RF **PASS** Ext Gain: -31.8 dB Radio Device: BS #Atten: 10 dB Save 10 dB/div Ref 30 dBm Log File/Folder List File name: Save As Mound My Mary Jahren type: **Up One** Center 2.684 GHz #Res BW 100 kHz Span 20 MHz Level VBW 1 MHz Sweep 2.4 ms **Total Power** Occupied Bandwidth 23.99 dBm **Create New** 9.1451 MHz Folder Transmit Freq Error 27.2083 kHz **OBW Power** 99.00 % x dB Bandwidth 9.498 MHz* -26.00 dB x dB Cancel STATUS

 Channel Power :
 23.99 dBm

 99% Bandwidth :
 9.1451 MHz

 26 dB Bandwidth :
 9.498 MHz



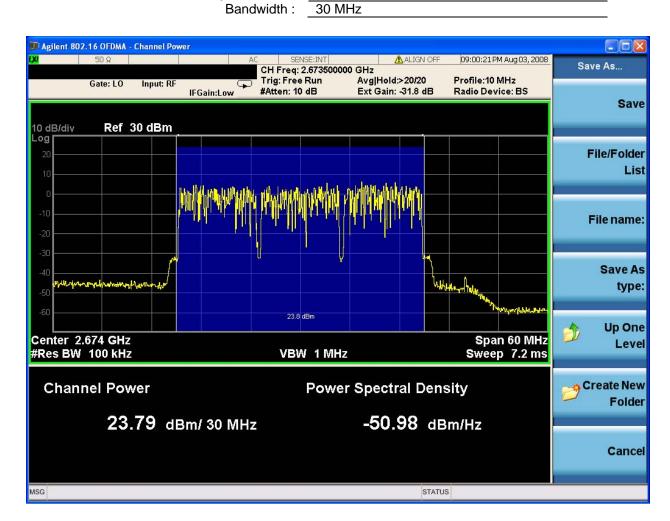
6.3.4.10 Full FA

FCC Rules: Part 2 §2.1046 & §27.50(h)

Path: Up Link

Operating Frequency: Full FA

Input Level : -56 dBm System Gain : 80 dB



Channel Power: 23.79 dBm



6.4 Spurious Emissions at Antenna Terminals

6.4.1 Down Link / A-B Block

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: Full FA





6.4.2 Down Link / C-D Block

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: Full FA



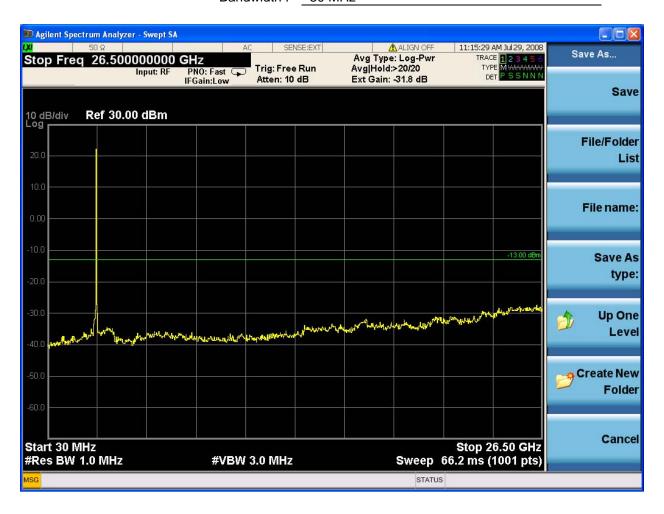


6.4.3 Down Link / E-F Block

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path : Down Link

Operating Frequency: Full FA





6.4.4 Down Link / F-G Block

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: Full FA



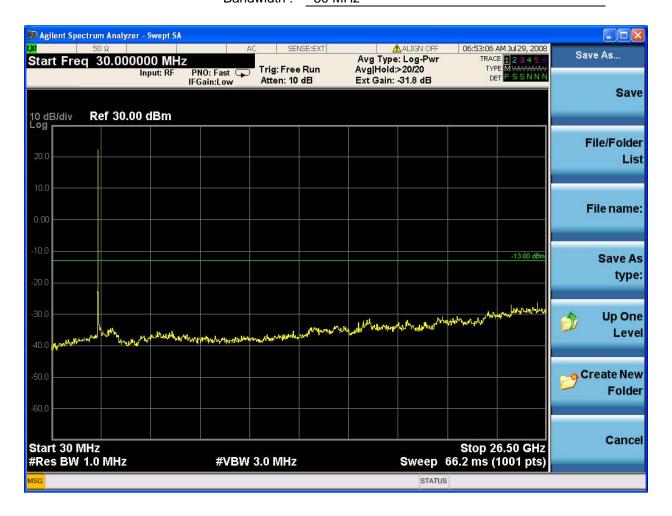


6.4.5 Up Link / A-B Block

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Up Link

Operating Frequency: Full FA



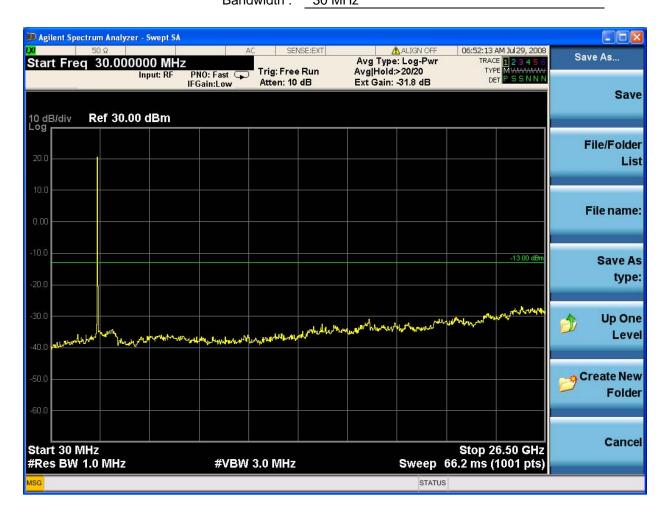


6.4.6 Up Link / C-D Block

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Up Link

Operating Frequency: Full FA





6.4.7 Up Link / E-F Block

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Up Link

Operating Frequency: Full FA





6.4.8 Up Link / F-G Block

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Up Link

Operating Frequency: Full FA





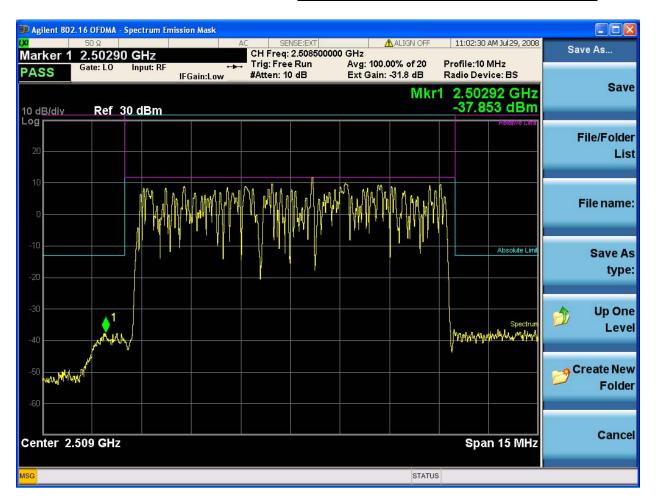
6.5 Band Edge Compliance

6.5.1 Down Link / A-B Block / Low Edge

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: 1st FA (2508.5 MHz)



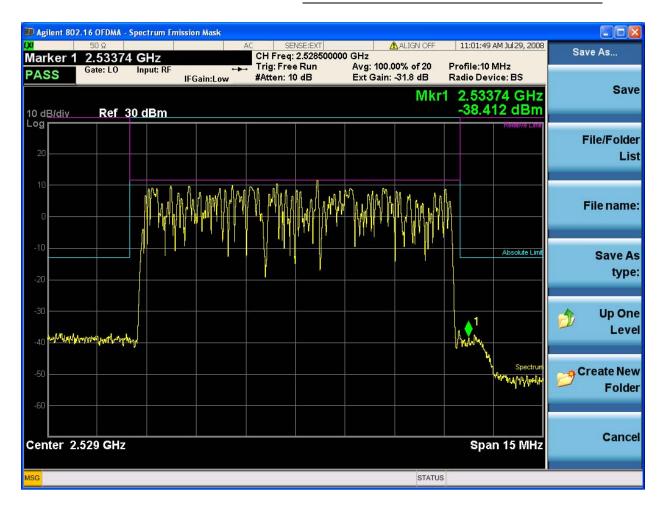


6.5.2 Down Link / A-B Block / High Edge

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: 3rd FA (2528.5 MHz)





6.5.3 Down Link / A-B Block / Intermodulation

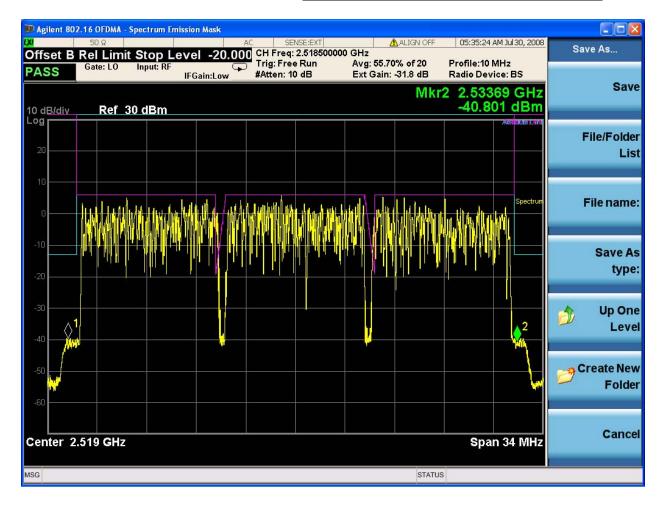
FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: Full FA

Input Level : -56 dBm System Gain : 80 dB

Bandwidth: 30 MHz



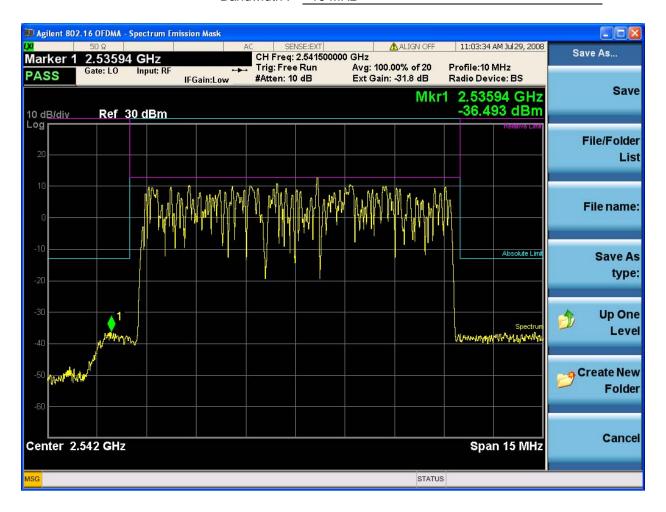


6.5.4 Down Link / C-D Block / Low Edge

FCC Rules : Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: 1st FA (2541.5 MHz)



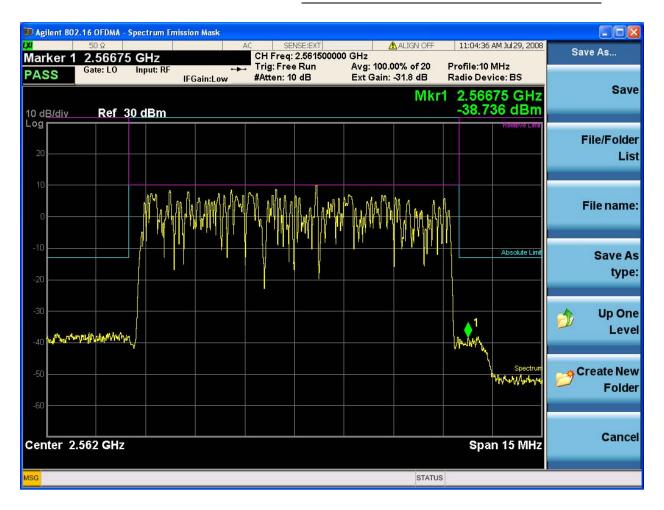


6.5.5 Down Link / C-D Block / High Edge

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: 3rd FA (2561.5 MHz)





6.5.6 Down Link / C-D Block / INTERMODULATION

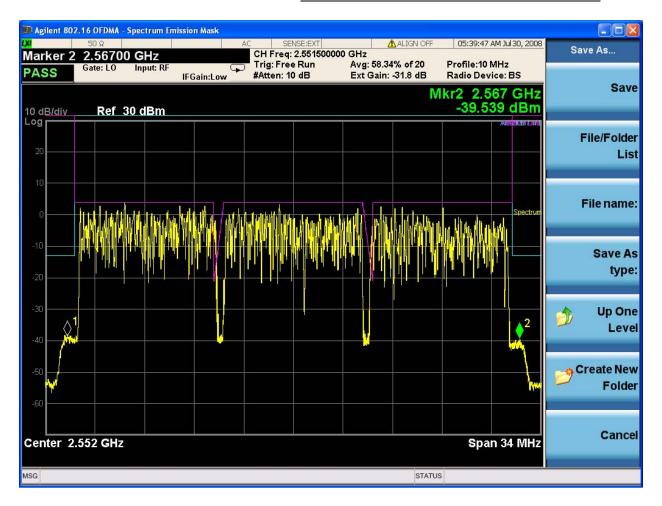
FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: Full FA

Input Level : <u>-56 dBm</u> System Gain : <u>80 dB</u>

Bandwidth: 30 MHz



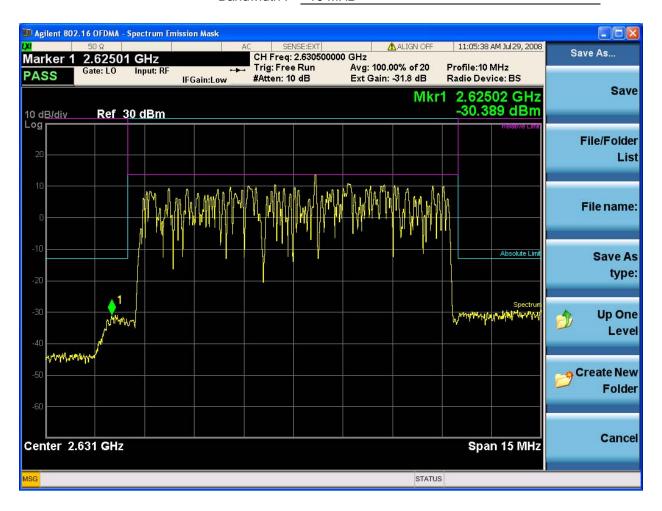


6.5.7 Down Link / E-F Block / Low Edge

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: 1st FA (2630.5 MHz)



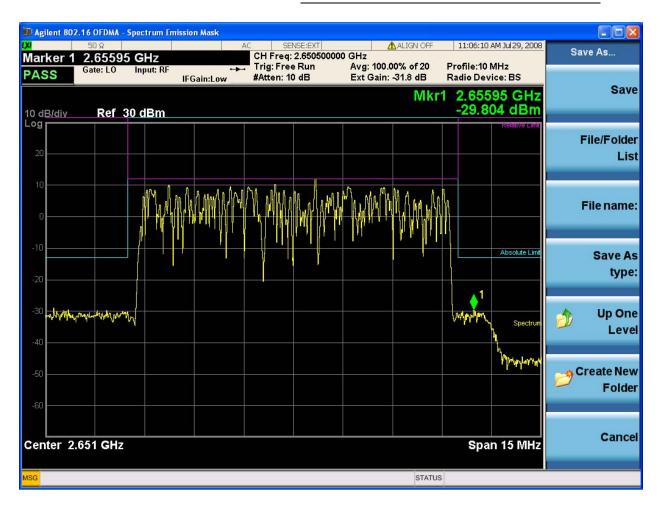


6.5.8 Down Link / E-F Block / High Edge

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: 3rd FA (2650.5 MHz)





6.5.9 Down Link / E-F Block / INTERMODULATION

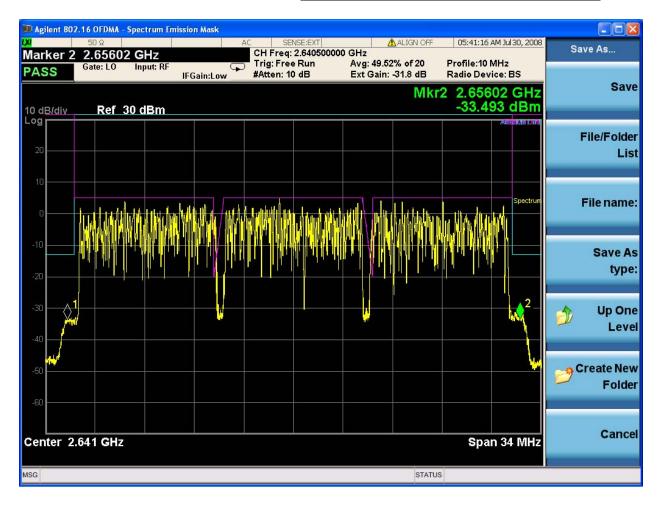
FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: Full FA

Input Level : -56 dBm System Gain : 80 dB

Bandwidth: 30 MHz



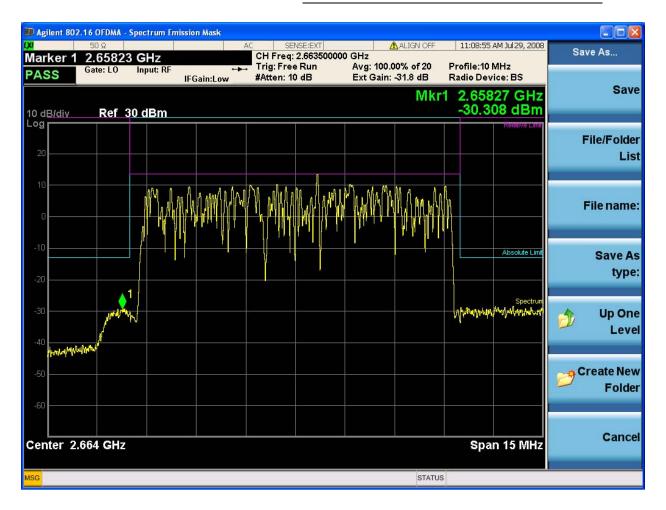


6.5.10 Down Link / H-G Block / Low Edge

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: 1st FA (2663.5 MHz)



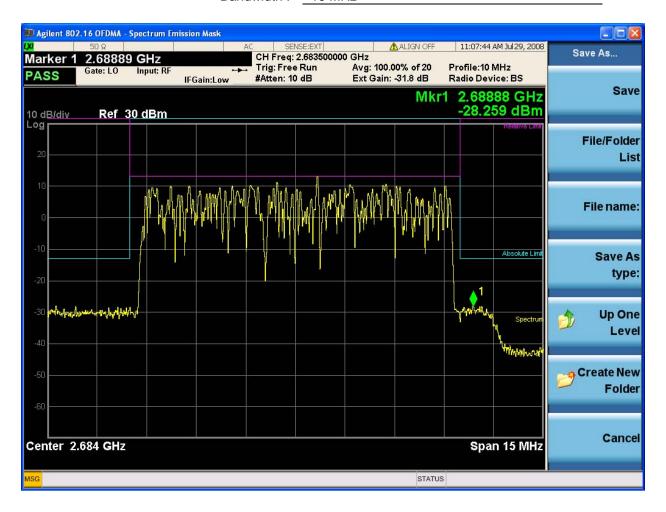


6.5.11 Down Link / H-G Block / High Edge

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: 3rd FA (2683.5 MHz)





6.5.12 Down Link / H-G Block / INTERMODULATION

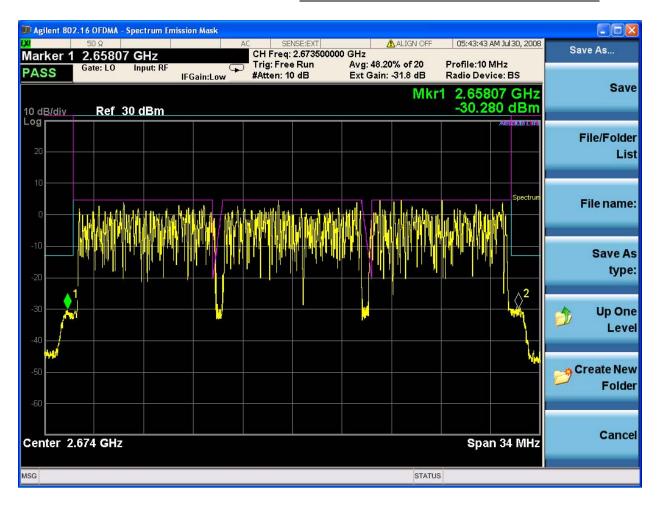
FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Down Link

Operating Frequency: Full FA

Input Level : -56 dBm System Gain : 80 dB

Bandwidth: 30 MHz



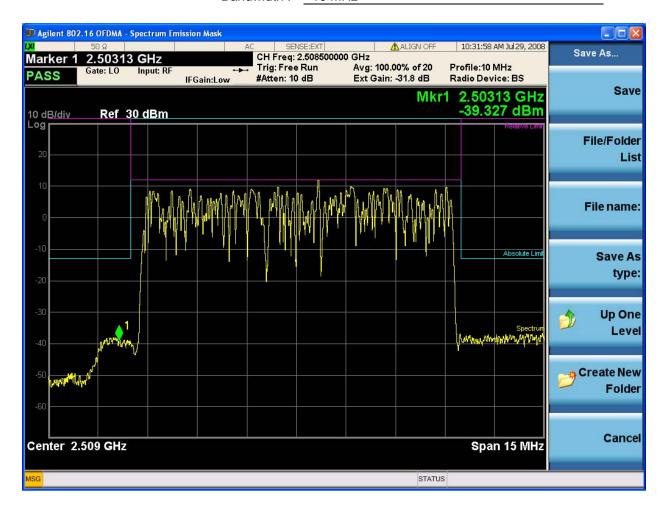


6.5.13 Up Link / A-B Block / Low Edge

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Up Link

Operating Frequency: 1st FA (2508.5 MHz)





6.5.14 Up Link / A-B Block / High Edge

FCC Rules: Part 2 §2.1051 & §27.53(I)

Path: Up Link

Operating Frequency: 3rd FA (2528.5 MHz)

