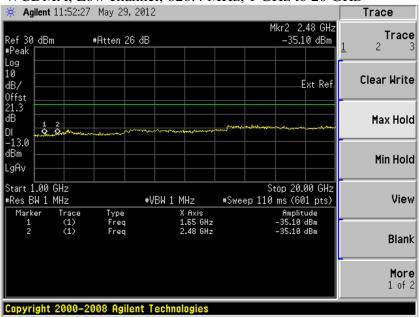
FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 53 of 74
1 0 0 1 011 22, 2 1 7 1100 102, 100	<b>~</b> -0>0	1.100 ) 0 0 , 2 0 1 2	1 2000 01 / .

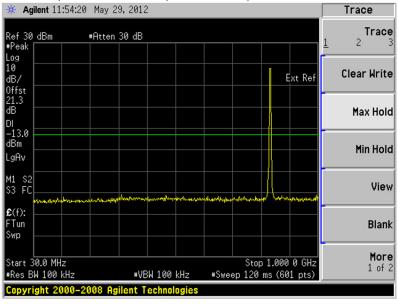
#### Plot 6.4.39) Out of Band Emissions at Antenna Terminals

WCDMA, Low channel, 826.4 MHz, 1 GHz to 20 GHz



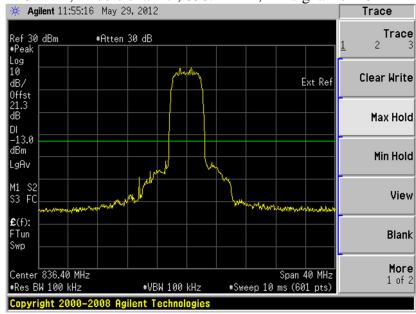
Plot 6.4.40) Out of Band Emissions at Antenna Terminals

WCDMA, Middle channel, 836.4 MHz, 30 MHz to 1 GHz



Plot 6.4.41) Out of Band Emissions at Antenna Terminals

WCDMA, Middle channel, 836.4 MHz, TX signal +/- 20 MHz

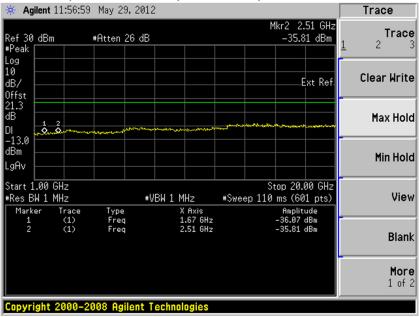


The strong emission shown in each case is the carrier signal.

FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 55 of 74
1 0 0 1 010 22, 2 1 7 1100 102, 100	<b>~</b> -0>0	1.100,00,001	1 450 00 01 / .

#### Plot 6.4.42) Out of Band Emissions at Antenna Terminals

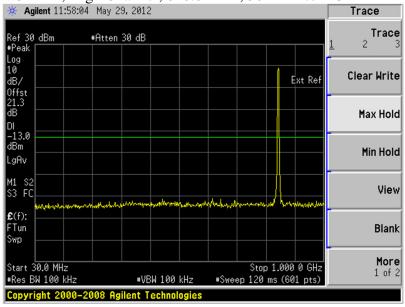
WCDMA, Middle channel, 836.4 MHz, 1 GHz to 20 GHz



FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 56 of 74
1 0 0 1 010 22, 2 . , 1100 102, 100	<b>~</b> -0>0	1.120/20, 2012	1 000 0 01 / .

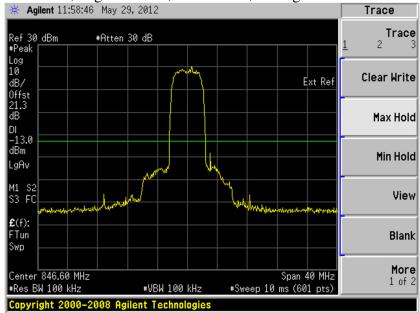
Plot 6.4.43) Out of Band Emissions at Antenna Terminals

WCDMA, High Channel, 846.6 MHz, 30 MHz to 1 GHz



Plot 6.4.44) Out of Band Emissions at Antenna Terminals

WCDMA, High Channel, 846.6 MHz, TX signal +/- 20 MHz

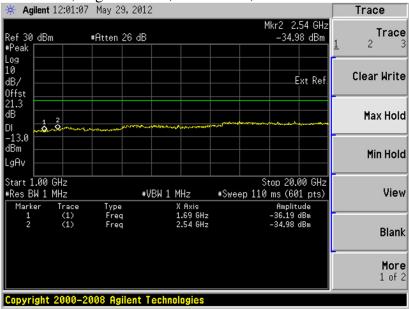


The strong emission shown in each case is the carrier signal.

FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 57 of 74
1 0 0 1 411 22, 2 1 7 1100 102, 100	<b>~</b> -0>0	1.100,000,001	1 480 0 7 01 7 .

#### Plot 6.4.45) Out of Band Emissions at Antenna Terminals

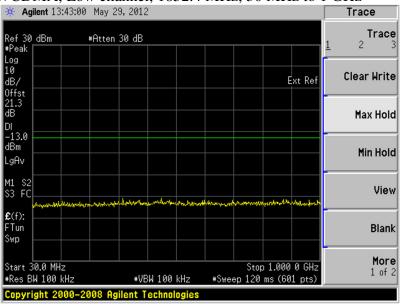
WCDMA, High Channel, 846.6 MHz, 1 GHz to 20 GHz



FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 58 of 74
1 0 0 1 010 12, 2 . , 1000 102, 100	<b>~</b> -0,0	1.100)00, -01-	1 450 00 01 / .

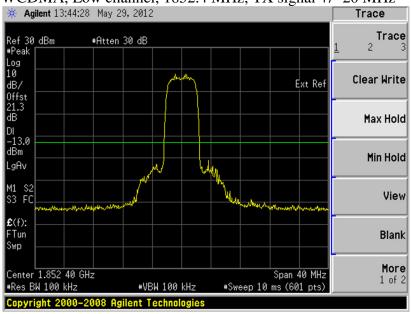
Plot 6.4.46) Out of Band Emissions at Antenna Terminals

WCDMA, Low channel, 1852.4 MHz, 30 MHz to 1 GHz



Plot 6.4.47) Out of Band Emissions at Antenna Terminals

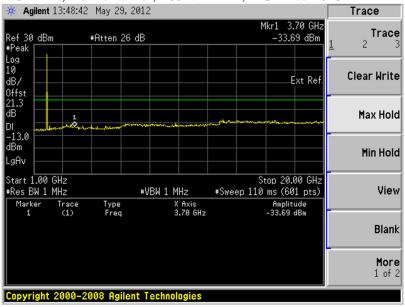
WCDMA, Low channel, 1852.4 MHz, TX signal +/- 20 MHz



	FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 59 of 74
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Plot 6.4.48) Out of Band Emissions at Antenna Terminals

WCDMA, Low channel, 1852.4 MHz, 1 GHz to 20 GHz

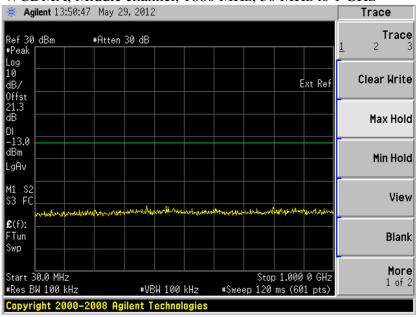


The strong emission shown is the carrier signal.

FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 60 of 74
1 0 0 1 010 22, 2 . , 1100 102, 100	<b>~</b> -0>0	1.100/00, 2012	1 450 00 01 / .

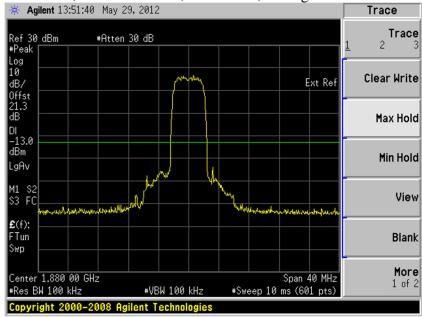
Plot 6.4.49) Out of Band Emissions at Antenna Terminals

WCDMA, Middle channel, 1880 MHz, 30 MHz to 1 GHz



Plot 6.4.50) Out of Band Emissions at Antenna Terminals

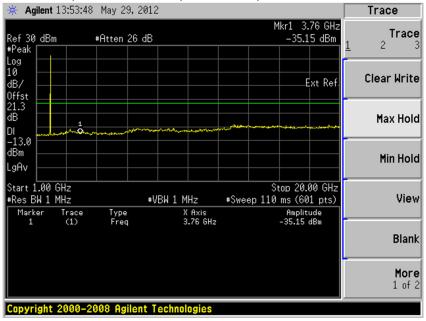
WCDMA, Middle channel, 1880 MHz, TX signal +/- 20 MHz



FCC Part 22, 24 / RSS 132, 133   Q2698   May30, 2012   Page 61 of
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Plot 6.4.51) Out of Band Emissions at Antenna Terminals

WCDMA, Middle channel, 1880 MHz, 1 GHz to 20 GHz

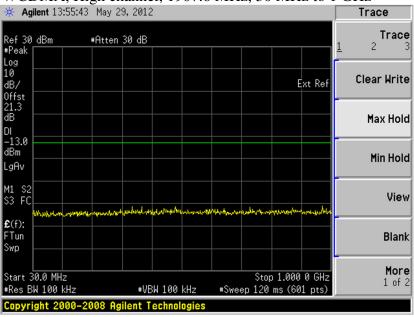


The strong emission shown is the carrier signal.

FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 62 of 74
1 0 0 1 411 22, 2 1 / 1155 102, 100	<b>~</b> -0>0	1.16/20, 2012	1 450 02 01 / .

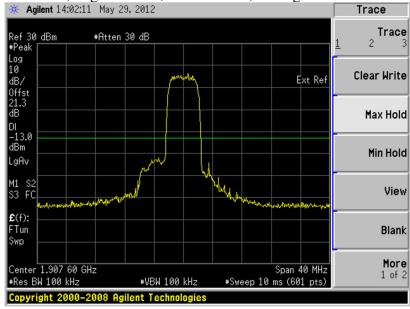
Plot 6.4.52) Out of Band Emissions at Antenna Terminals

WCDMA, High channel, 1907.6 MHz, 30 MHz to 1 GHz



Plot 6.4.53) Out of Band Emissions at Antenna Terminals

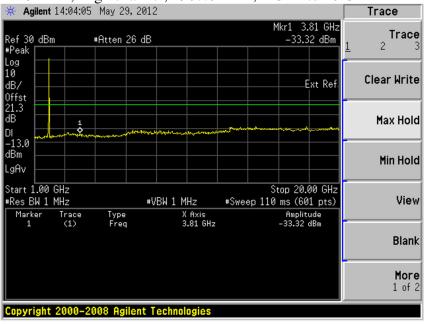
WCDMA, High channel, 1907.6 MHz, TX signal +/- 20 MHz



FCC Part 22, 24 / RSS 132, 133 Q2698 May 30, 2012 Page 63 of 74
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Plot 6.4.54) Out of Band Emissions at Antenna Terminals

WCDMA, High channel, 1907.6 MHz, 1 GHz to 20 GHz



The strong emission shown is the carrier signal.

FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 64 of 74
	Z=		

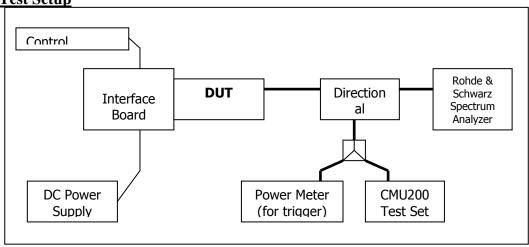
# 7 Block Edge Compliance

FCC Part 22H/24E

#### 7.1 Test Procedure

The transmitter output was connected to a Rohde & Schwarz CMU200 Test Set, through a coaxial RF cable and a directional coupler, and configured to operate at maximum power. The block edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.





#### 7.2 Test Equipment

EQUIPMENT	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DATE
Control Computer	TC	Generic PC	100488	N/A
Wireless Test Set	Rohde & Schwarz	CMU200	117788	November 17, 2011
Spectrum Analyzer	Rohde & Schwarz	FSU	200078	November 15, 2011
DC Power Supply	HP	6632A	3530A	N/A
Interface Board	Shop built	ATEMux	N/A	N/A
Directional Coupler	Pasternack	PE2209-10	N/A	N/A

#### 7.3 Test Results

Block	Frequency Boundaries (MHz)	Channels	Correspondin	Result
Test		Tested	g Plots	
1	GMSK: Below 824 MHz, above 849 MHz	128, 251	7.4.1, 7.4.2	Complies
2	8PSK: Below 824 MHz, above 849 MHz	128, 251	7.4.3, 7.4.4	Complies
3	GMSK: Below 1850MHz, above 1910MHz	512, 810	7.4.5, 7.4.6	Complies
4	8PSK: Below 1850MHz, above 1910MHz	512, 810	7.4.7, 7.4.8	Complies
Block	Frequency Boundaries (MHz)	Channels	Correspondin	Result
Test		Tested	g Plots	
1	WCDMA: Below 824MHz, above 849MHz	4132, 4233	7.4.9, 7.4.10	Complies
2	WCDMA: Below 1850MHz, above 1910MHz	9262, 9538	7.4.11, 7.4.12	Complies

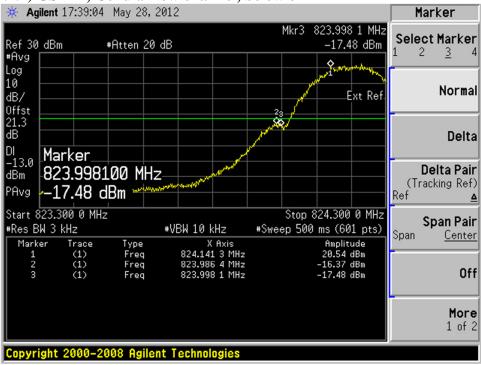
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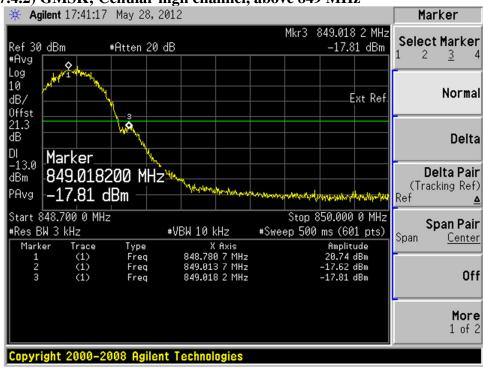
FCC Part 22, 24 / RSS 132, 133	O2698	May30, 2012	Page 65 of 74
1 0 0 1 411 22, 2 . , 1100 102, 100	<b>~</b> -0>0	1.100,000,001	1 450 00 01 / .

#### 7.4 Test Plots

Plot 7.4.1) GSMK; Cellular low channel, below 824 MHz



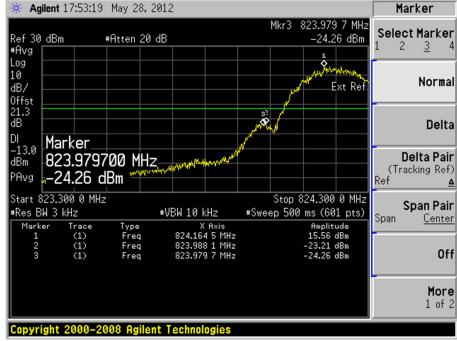
Plot 7.4.2) GMSK; Cellular high channel, above 849 MHz



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Plot 7.4.3) 8-PSK; Cellular low channel, below 824 MHz



Plot 7.4.4) 8-PSK; Cellular high channel, above 849 MHz

