Appendix I

Appendix A)RF Power Output

Test Requirement:	Part 2.1046(a)
Test Method:	TIA-603-E-2016 Clause 2.2.1
Test Setup:	Refer to section 5 for details
Limit:	Mode: WCDMA 850 / WCDMA 1900 Frequency: 824 – 849MHz / 1850 – 1910MHz Limit: 38.45dBm（ERP） / 33.01dBm（EIRP）
Measurement Procedure:	The transmitter output was connected to a calibrated coaxial cable, attenuator and power meter, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The power output at the transmitter antenna port was determined by adding the value of the cable insertion loss to the power reading. The tests were performed at three frequencies (low channel, middle channel and high channel) and on the highest power levels, which can be setup on the transmitters.
Instruments Used:	Refer to section 7 for details
Test Results:	Pass

Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA850	UMTS/TM1	LCH	21.13	38.5	PASS
		MCH	21.02	38.5	PASS
		HCH	21.13	38.5	PASS
Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA850	UMTS/TM2	LCH	20.51	38.5	PASS
		MCH	20.03	38.5	PASS
		HCH	20.45	38.5	PASS
Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA850	UMTS/TM3	LCH	19.82	38.5	PASS
		MCH	20.26	38.5	PASS
		HCH	20.47	38.5	PASS

Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM1	LCH	22.44	33	PASS
		MCH	22.20	33	PASS
		HCH	22.09	33	PASS
Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM2	LCH	21.00	33	PASS
		MCH	20.90	33	PASS
		HCH	20.90	33	PASS
Test Band	Test Mode	Test Channel	Measured (dbm)	Limit (dbm)	Verdict
WCDMA1900	UMTS/TM3	LCH	20.91	33	PASS
		MCH	20.43	33	PASS
		HCH	20.20	33	PASS

Appendix B)Peak-to-Average Ratio

Test Requirement:	Part 24.232(d)
Test Method:	KDB 971168 D01
Test Setup:	Refer to section 5 for details
Limit:	13dB
Measurement Procedure:	Use one of the procedures to measure the total peak power and record as PPk. Use one of the applicable procedures to measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from: PAPR (dB) = PPk (dBm) - PAvg (dBm).
Instruments Used:	Refer to section 7 for details
Test Results:	Pass

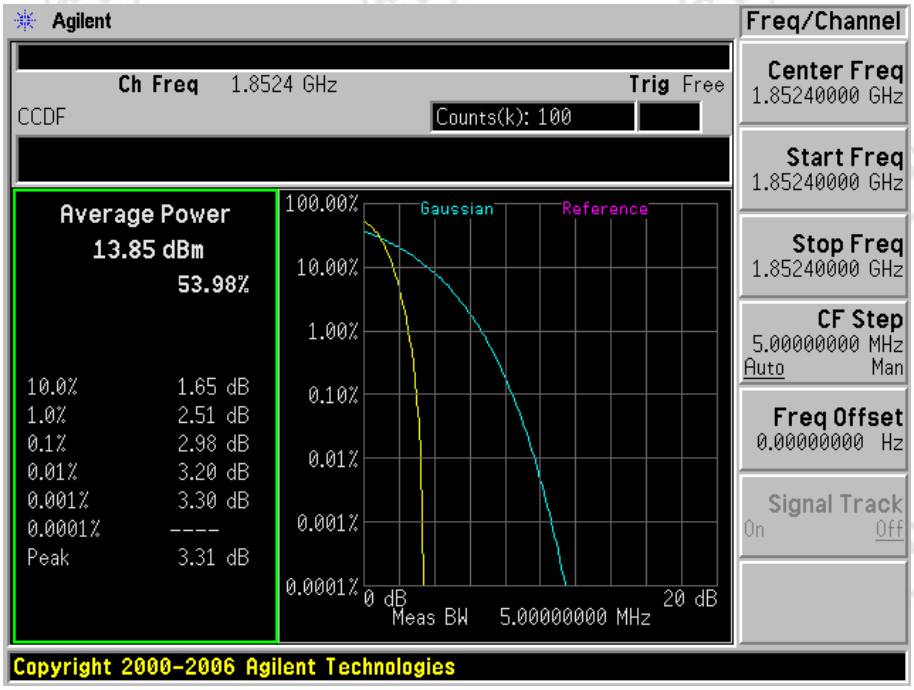
Test Band	Test Mode	Test Channel	Measured(db)	Limit (db)	Verdict
WCDMA1900	UMTS/TM1	LCH	2.98	13	PASS
		MCH	2.96	13	PASS
		HCH	2.78	13	PASS
Test Band	Test Mode	Test Channel	Measured(db)	Limit (db)	Verdict
WCDMA1900	UMTS/TM2	LCH	2.91	13	PASS
		MCH	3.22	13	PASS
		HCH	3.09	13	PASS
Test Band	Test Mode	Test Channel	Measured(db)	Limit (db)	Verdict
WCDMA1900	UMTS/TM3	LCH	3.25	13	PASS
		MCH	4.22	13	PASS
		HCH	3.57	13	PASS

1 For WCDMA

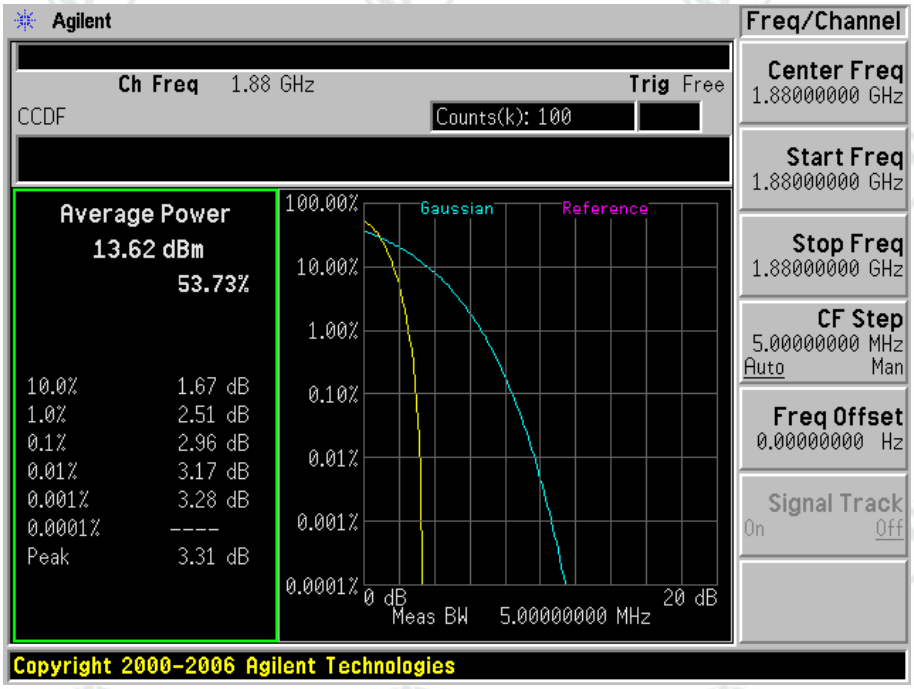
1.1 Test Band=WCDMA1900

1.1.1 Test Mode=UMTS/TM1

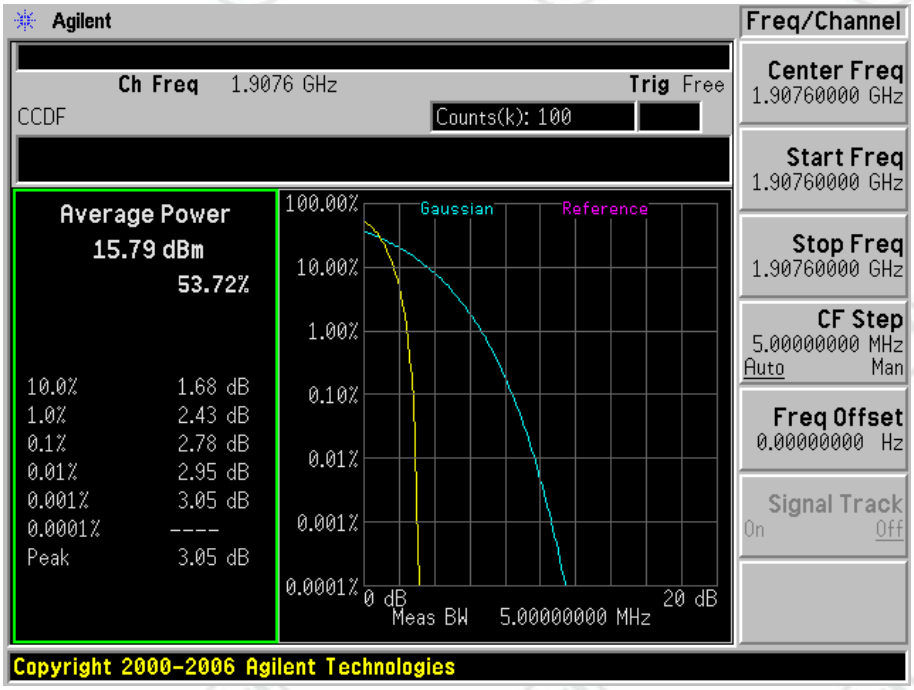
1.1.1.1 Test Channel=LCH



1.1.1.2 Test Channel=MCH

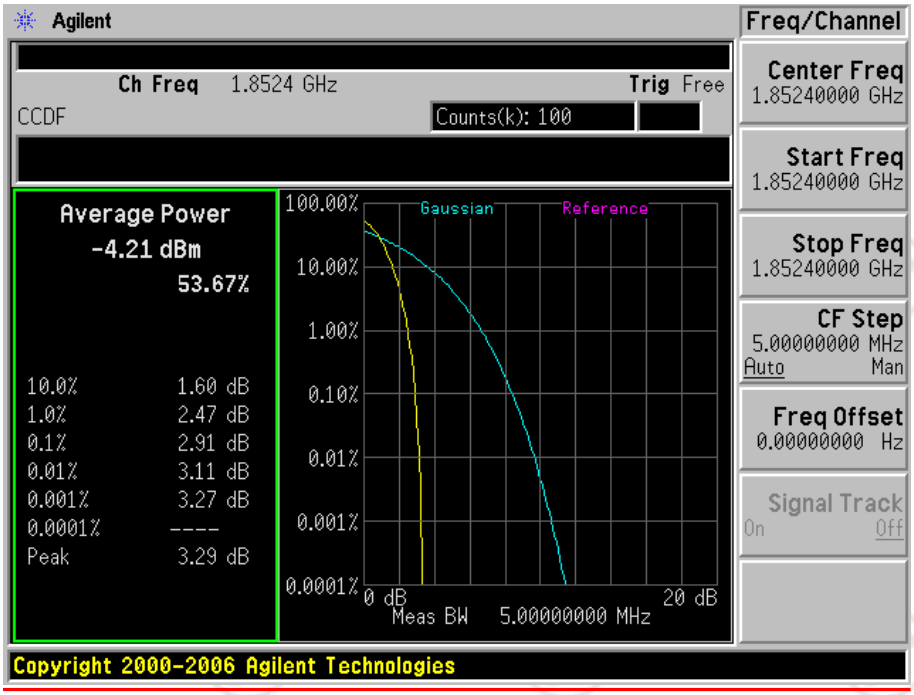


1.1.1.3 Test Channel=HCH

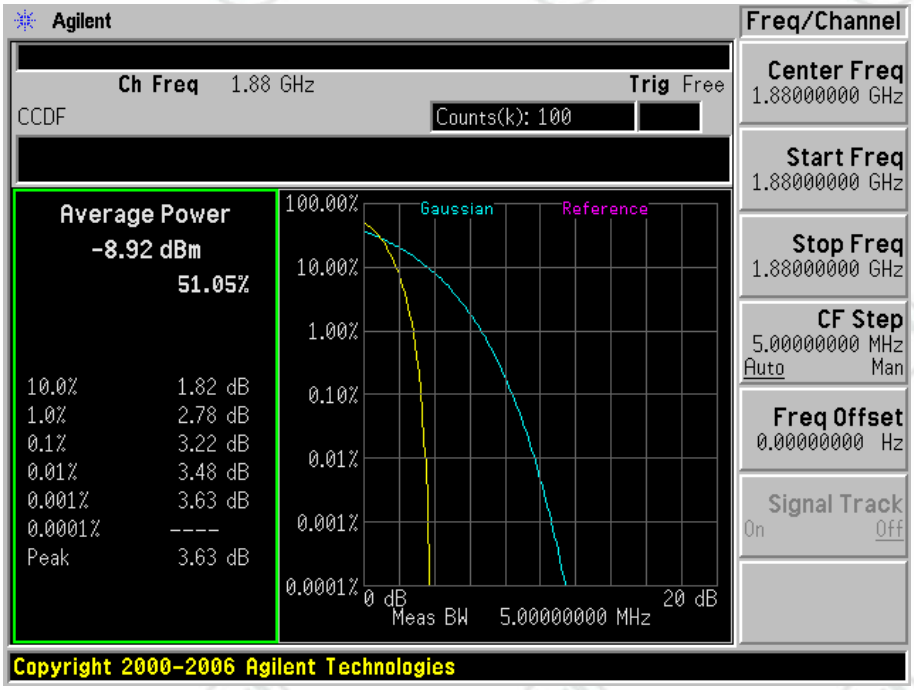


1.1.2 Test Mode=UMTS/TM2

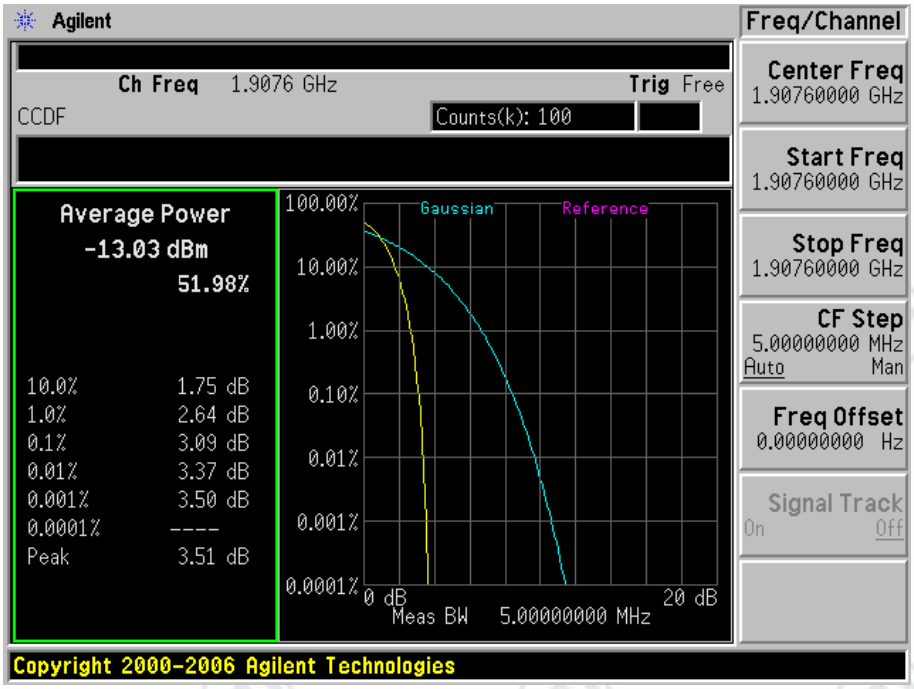
1.1.2.1 Test Channel=LCH



1.1.2.2 Test Channel=MCH

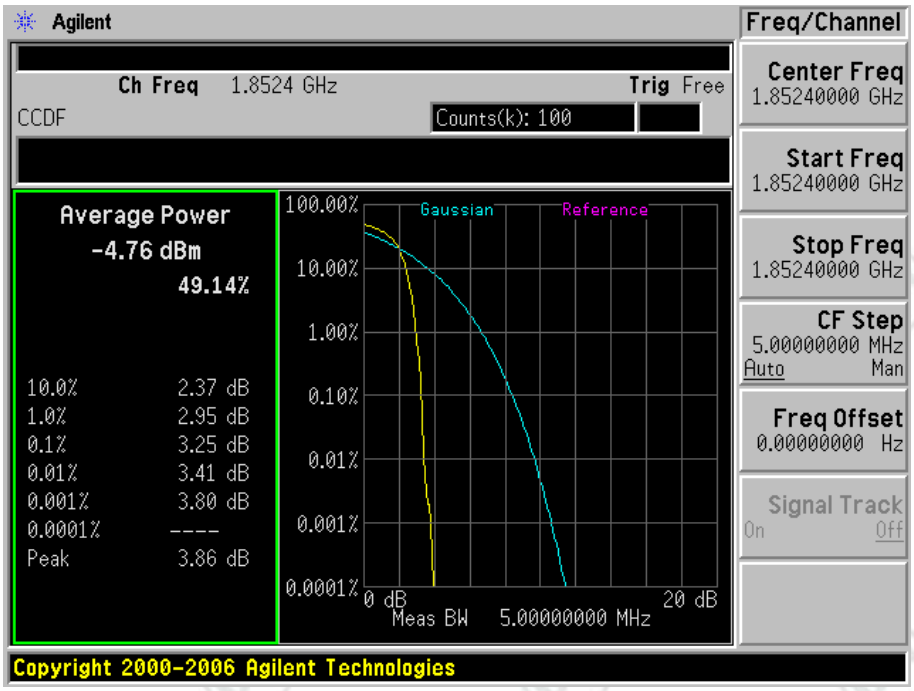


1.1.2.3 Test Channel=HCH

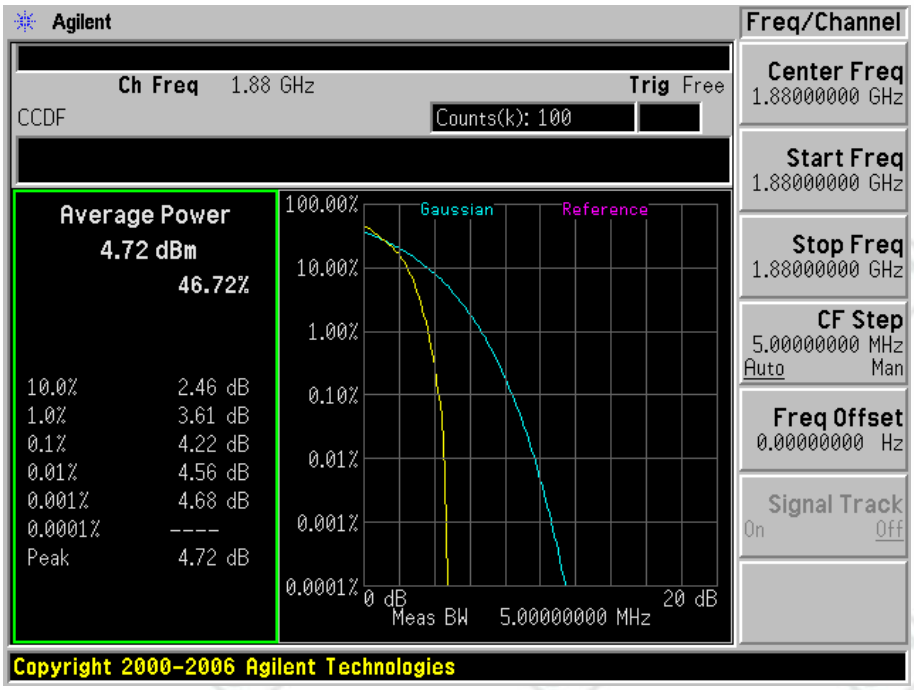


1.1.3 Test Mode=UMTS/TM3

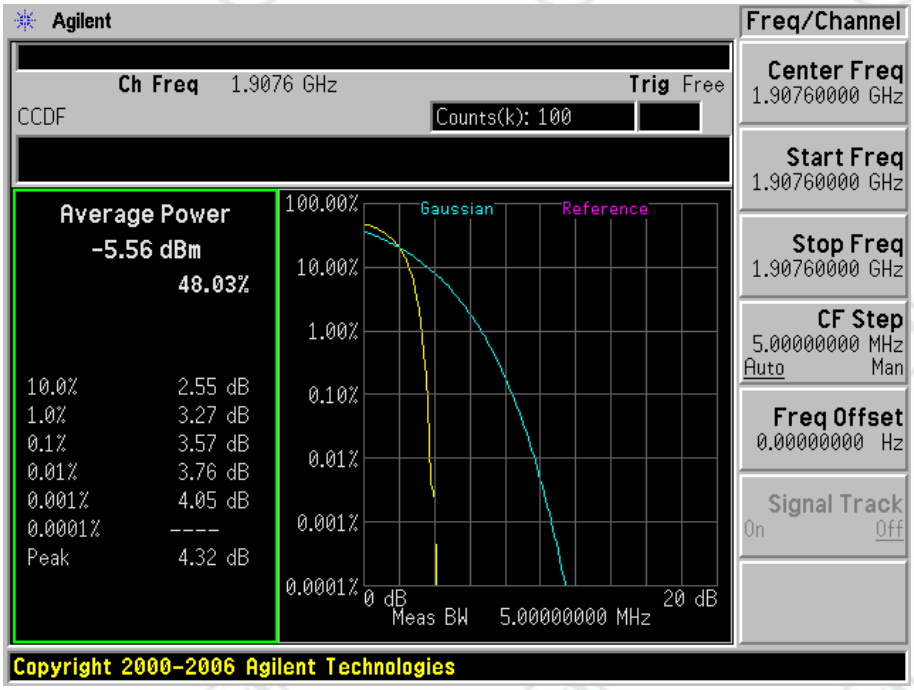
1.1.3.1 Test Channel=LCH



1.1.3.2 Test Channel=MCH



1.1.3.3 Test Channel=HCH



Appendix C)BandWidth

Test Requirement:	Part 2.1049(h)
Test Method:	Part 22.917(b)/Part 24.238(b)
Test Setup:	Refer to section 5 for details
Limit:	N/A
Measurement Procedure:	The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel, middle channel and high channel).the resolution bandwidth of the analyser is set to 100kHz or 1% of the emission bandwidth, the EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to peak or peak hold power.
Instruments Used:	Refer to section 7 for details
Test Results:	Pass

Test Band	Test Mode	Test Channel	Occupied Bandwidth (KHZ)	Emission Bandwidth (KHZ)	Verdict
WCDMA850	UMTS/TM1	LCH	4130.1	4688	PASS
		MCH	4155.3	4683	PASS
		HCH	4156.5	4685	PASS
WCDMA850	UMTS/TM2	LCH	4143.1	4659	PASS
		MCH	4149.5	4662	PASS
		HCH	4148.4	4656	PASS
WCDMA850	UMTS/TM3	LCH	4112.5	4648	PASS
		MCH	4169.0	4678	PASS
		HCH	4172.9	4691	PASS

Test Band	Test Mode	Test Channel	Occupied Bandwidth (KHZ)	Emission Bandwidth (KHZ)	Verdict
WCDMA1900	UMTS/TM1	LCH	4152.0	4683	PASS
		MCH	4173.0	4700	PASS
		HCH	4171.1	4715	PASS
WCDMA1900	UMTS/TM2	LCH	4184.8	4700	PASS
		MCH	4159.4	4709	PASS
		HCH	4150.2	4696	PASS

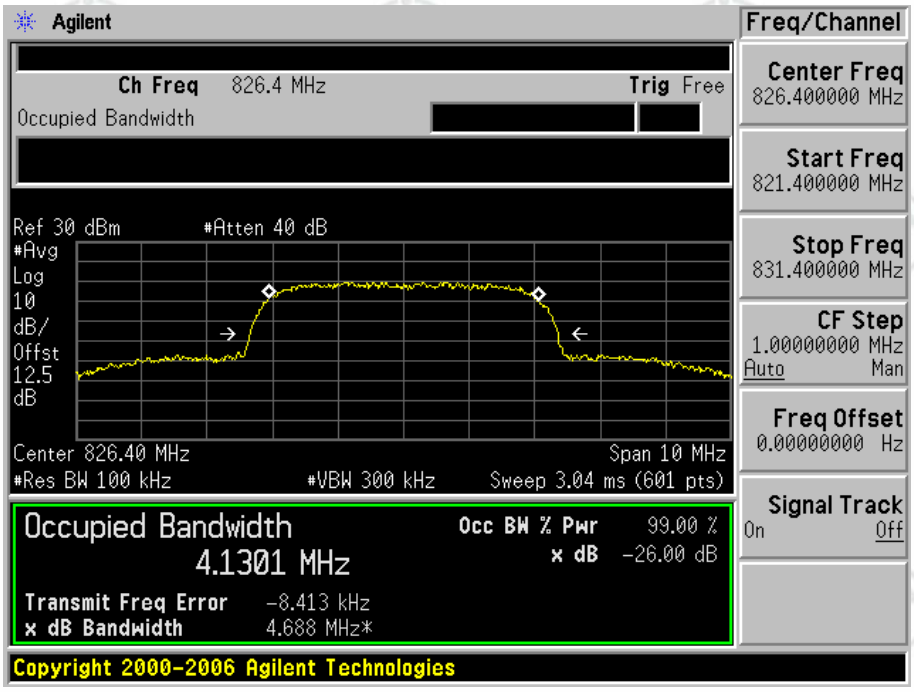
WCDMA1900	UMTS/TM3	LCH	4143.7	4702	PASS
		MCH	4170.2	4707	PASS
		HCH	4144.6	4719	PASS

1 For WCDMA

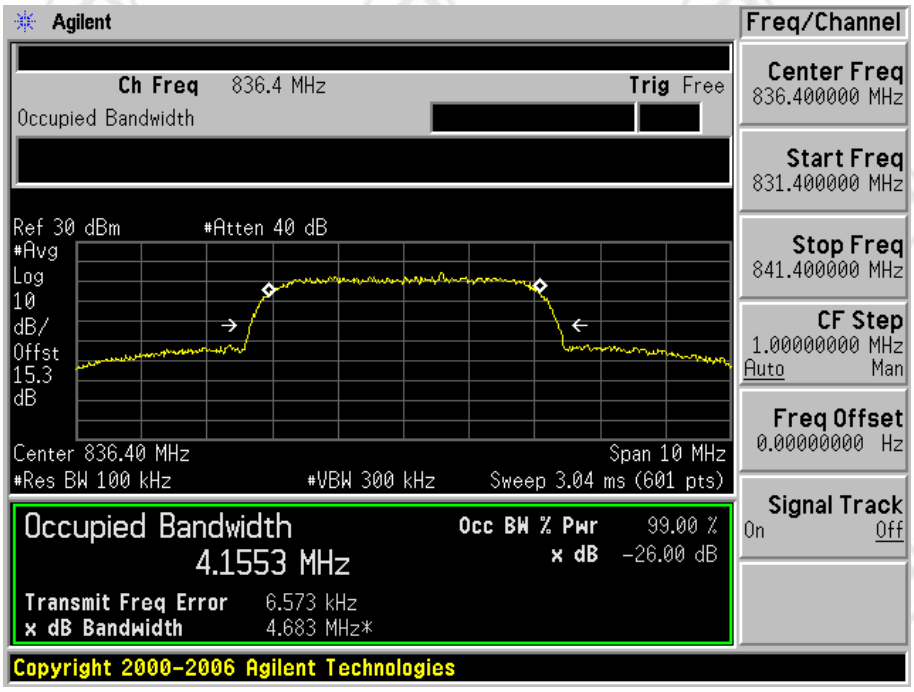
1.1 Test Band=WCDMA850

1.1.1 Test Mode=UMTS/TM1

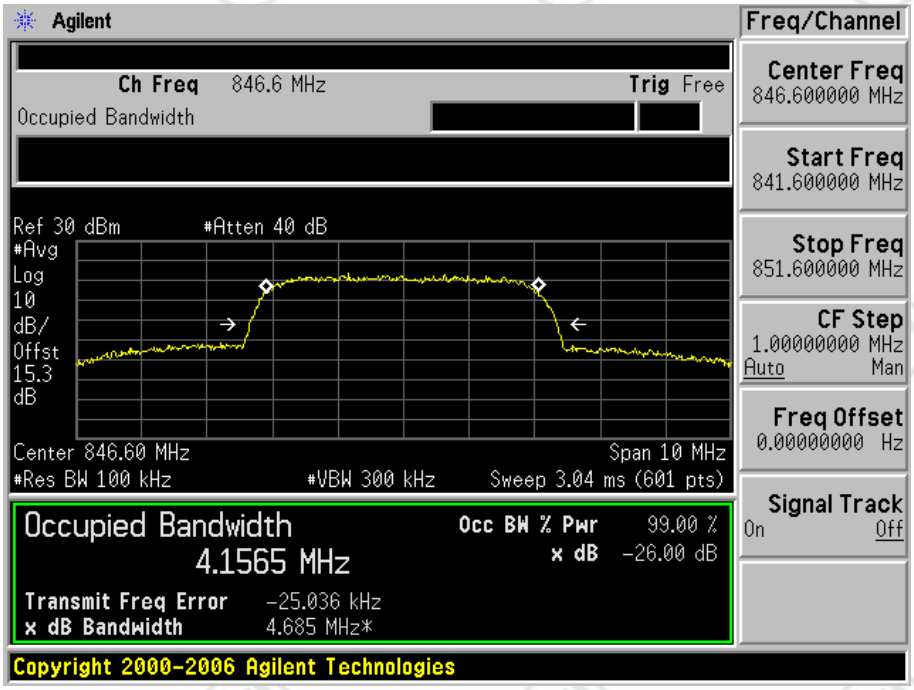
1.1.1.1 Test Channel=LCH



1.1.1.2 Test Channel=MCH

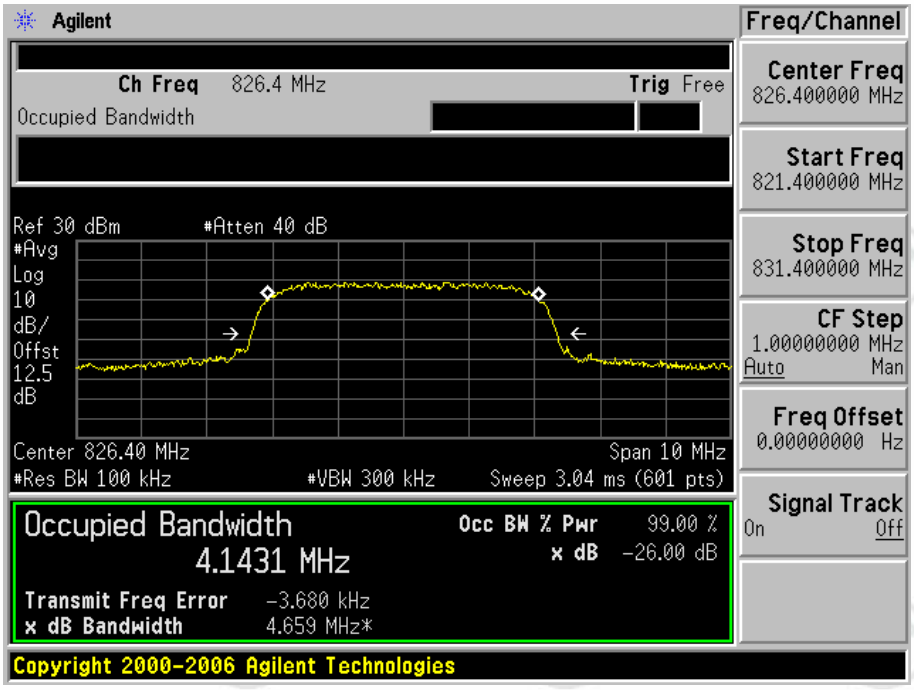


1.1.1.3 Test Channel=HCH

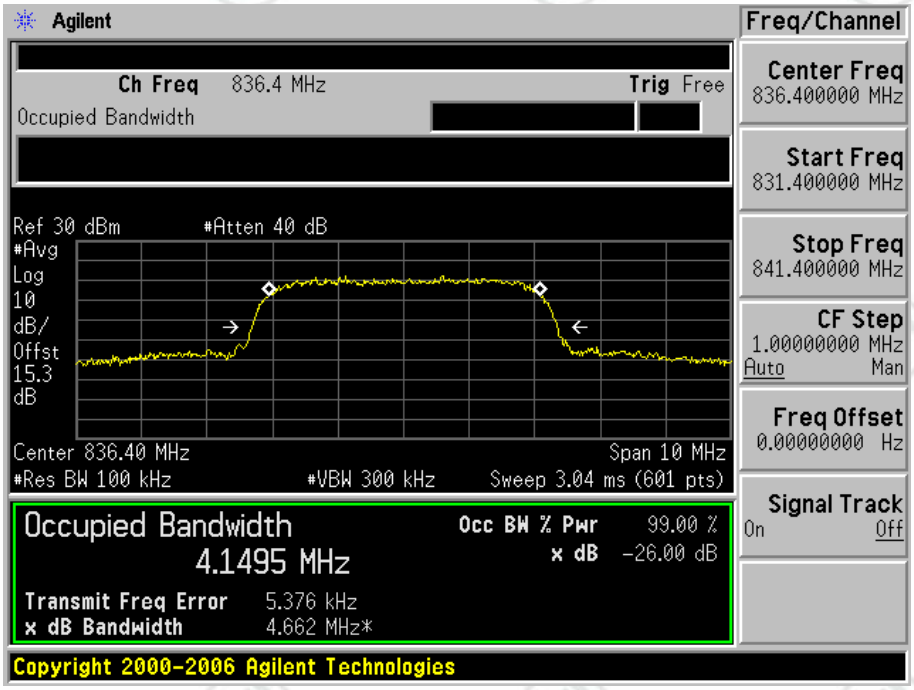


1.1.2 Test Mode=UMTS/TM2

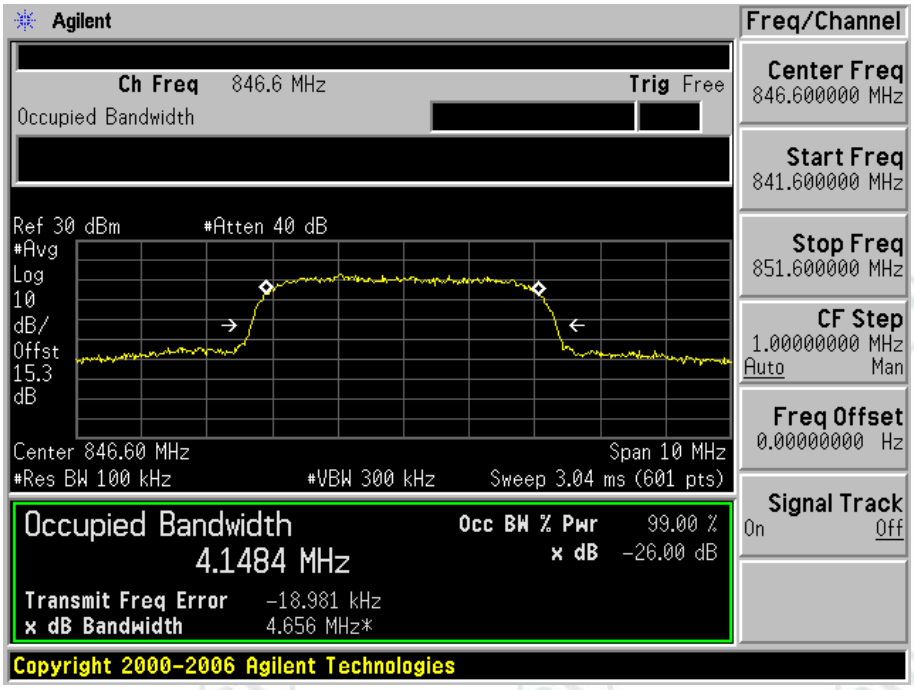
1.1.2.1 Test Channel=LCH



1.1.2.2 Test Channel=MCH

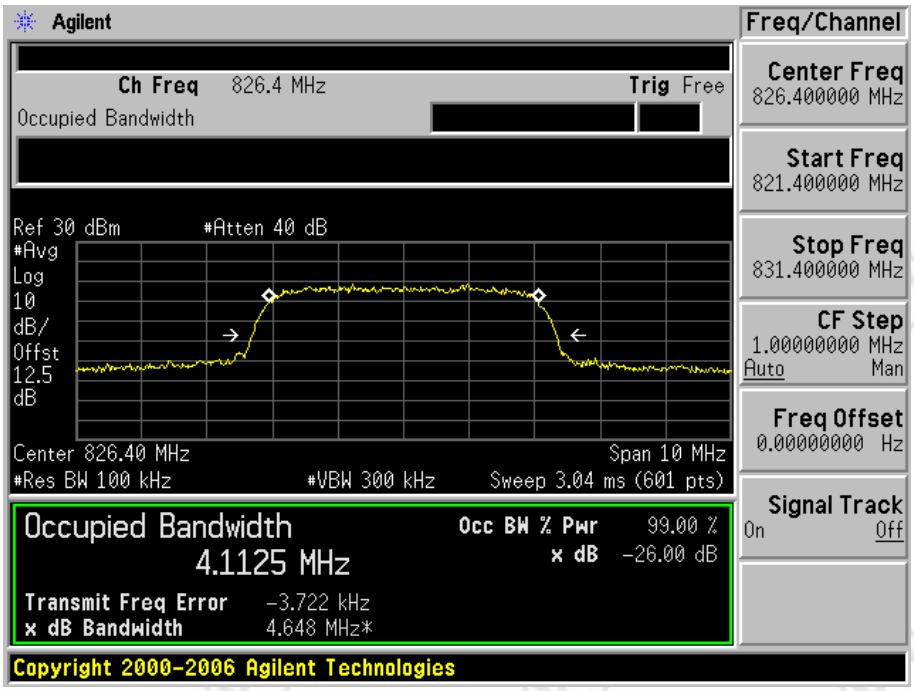


1.1.2.3 Test Channel=HCH

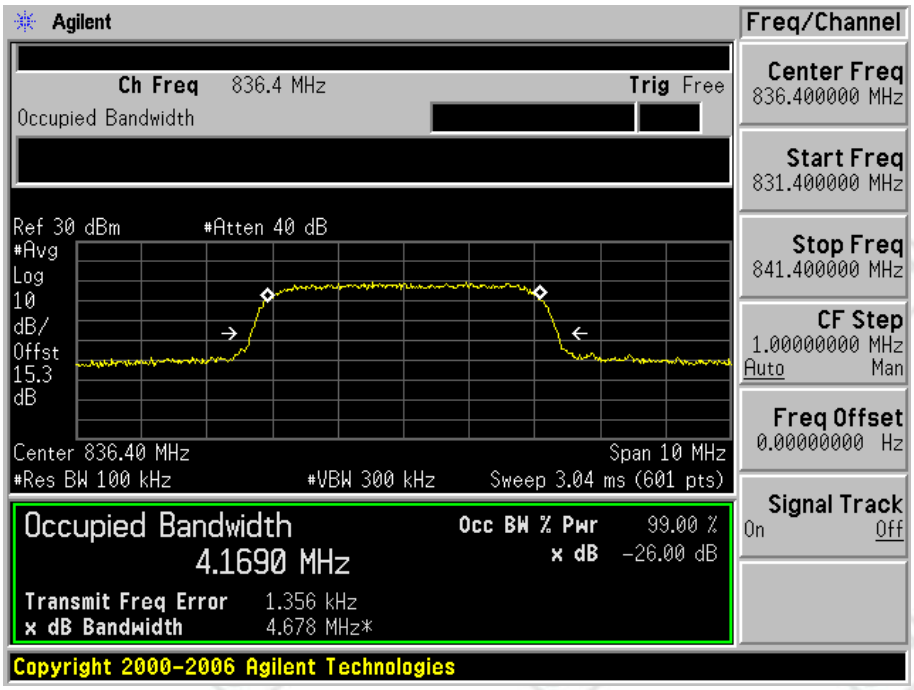


1.1.3 Test Mode=UMTS/TM3

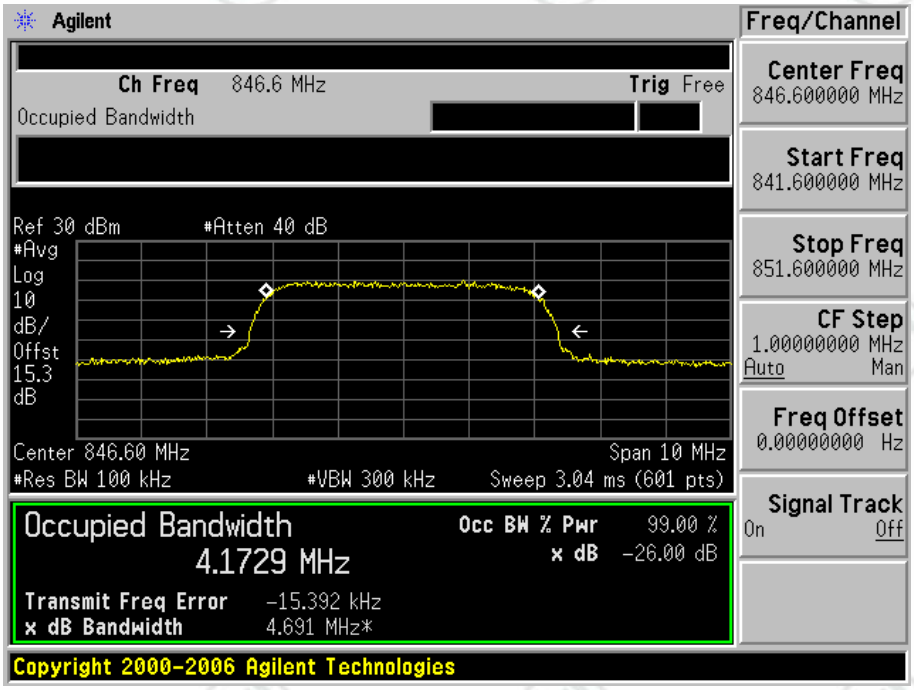
1.1.3.1 Test Channel=LCH



1.1.3.2 Test Channel=MCH



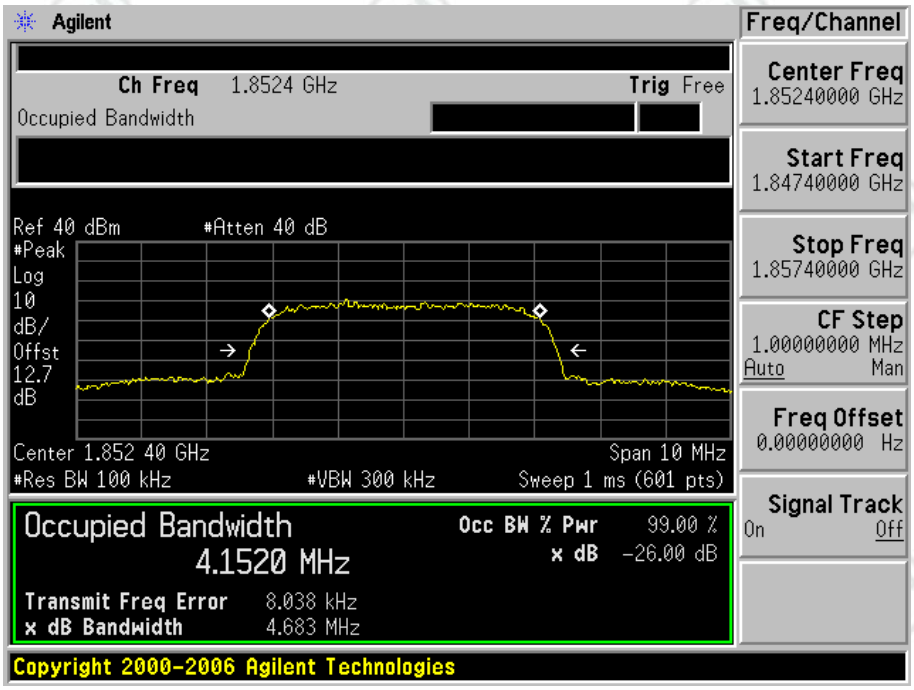
1.1.3.3 Test Channel=HCH



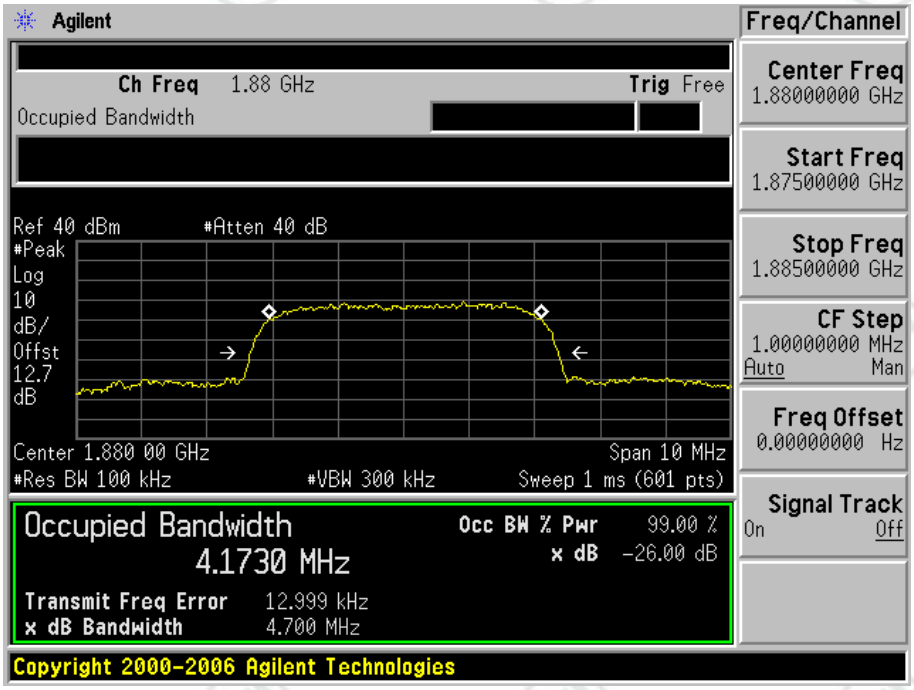
1.2 Test Band=WCDMA1900

1.2.1 Test Mode=UMTS/TM1

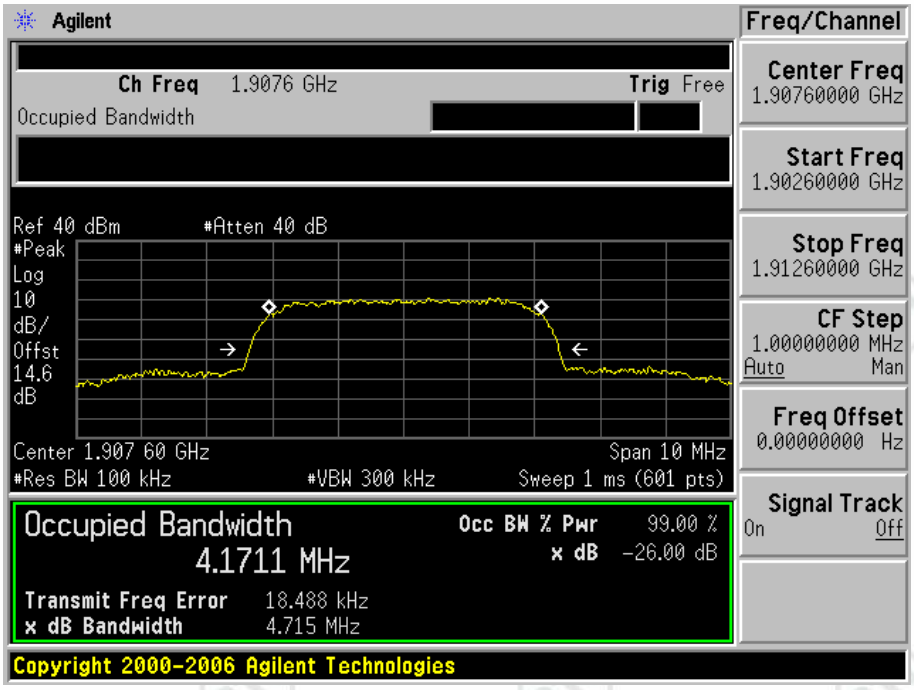
1.2.1.1 Test Channel=LCH



1.2.1.2 Test Channel=MCH

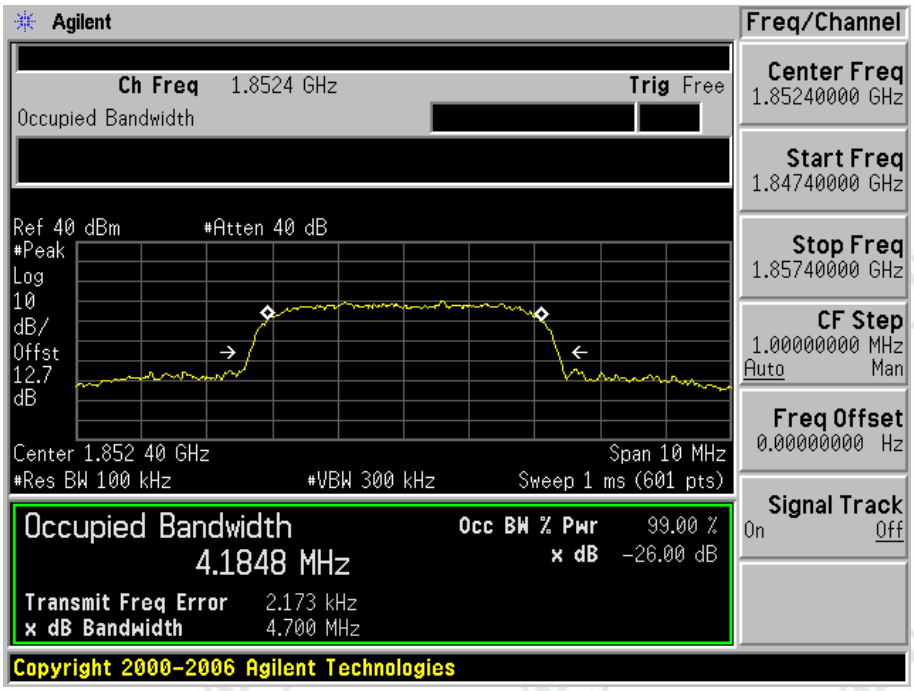


1.2.1.3 Test Channel=HCH

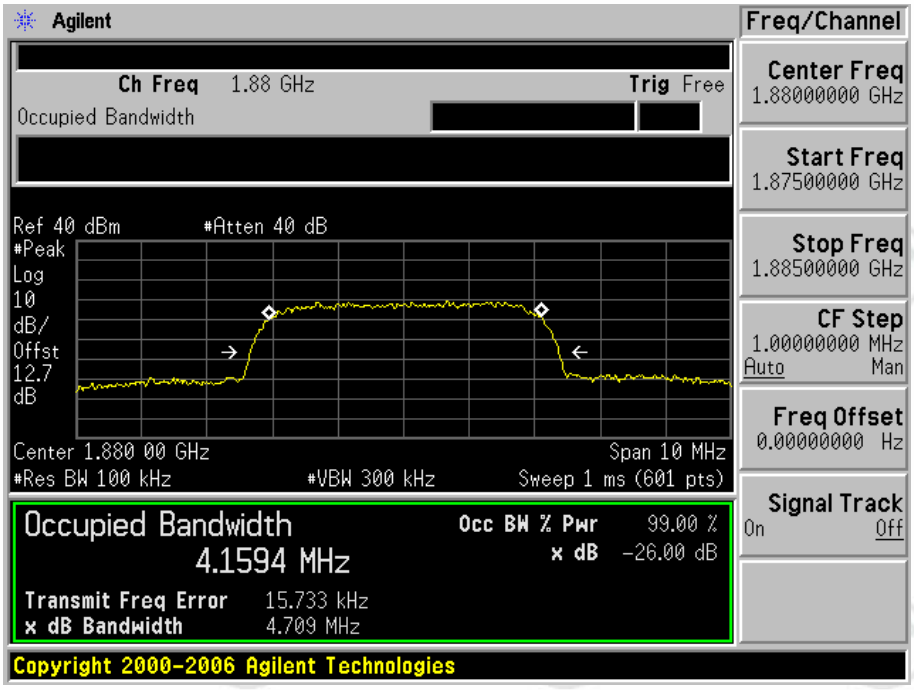


1.2.2 Test Mode=UMTS/TM2

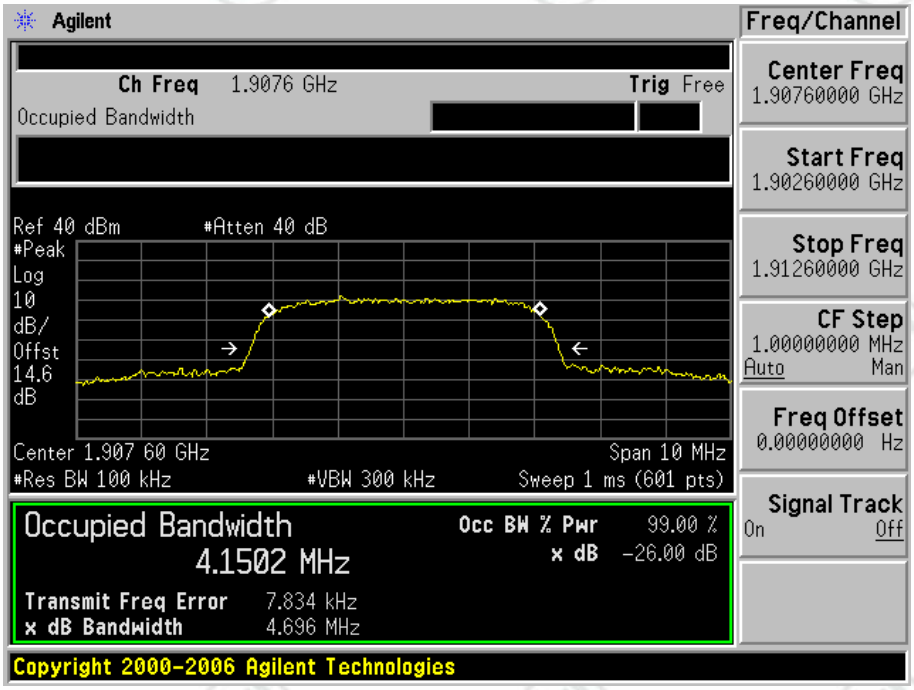
1.2.2.1 Test Channel=LCH



1.2.2.2 Test Channel=MCH

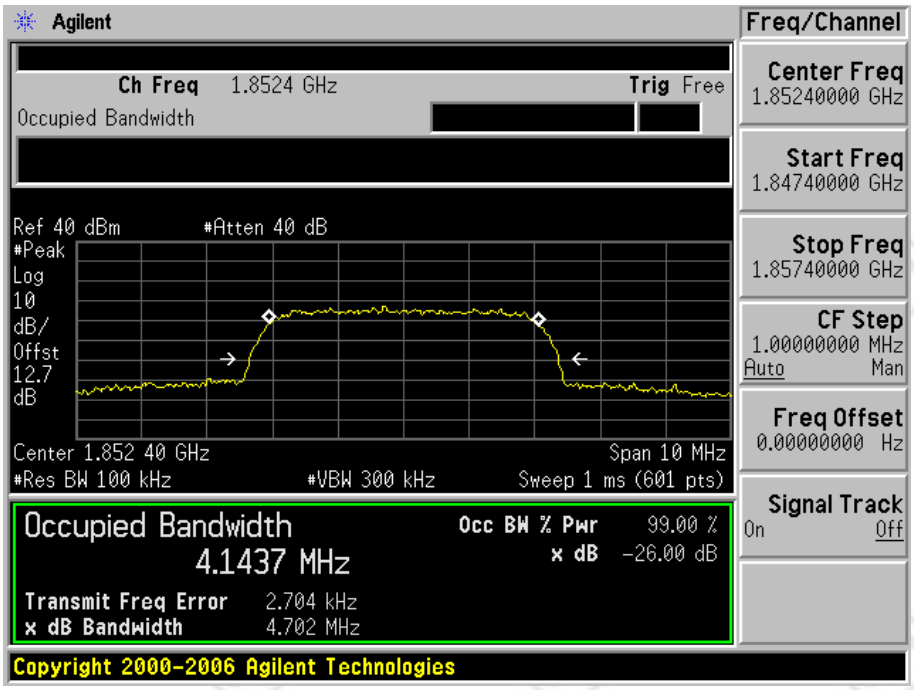


1.2.2.3 Test Channel=HCH

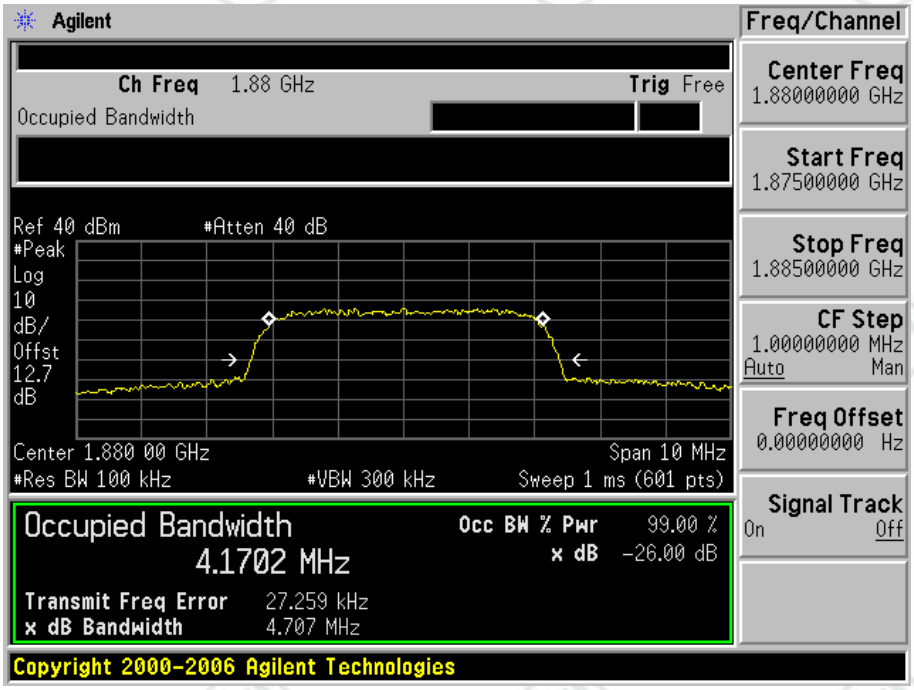


1.2.3 Test Mode=UMTS/TM3

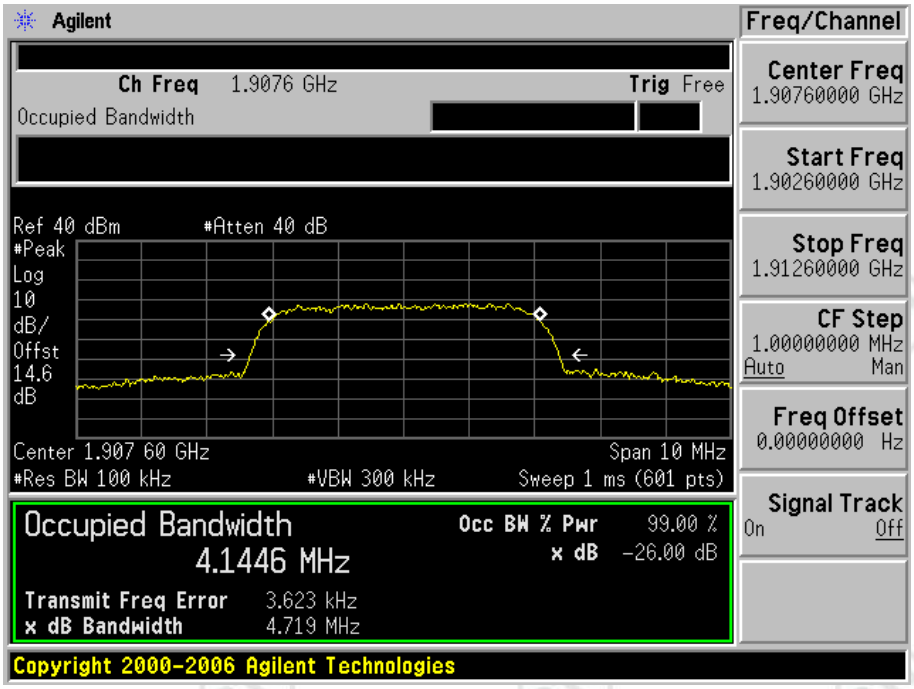
1.2.3.1 Test Channel=LCH



1.2.3.2 Test Channel=MCH



1.2.3.3 Test Channel=HCH



Appendix D)Band Edges Compliance

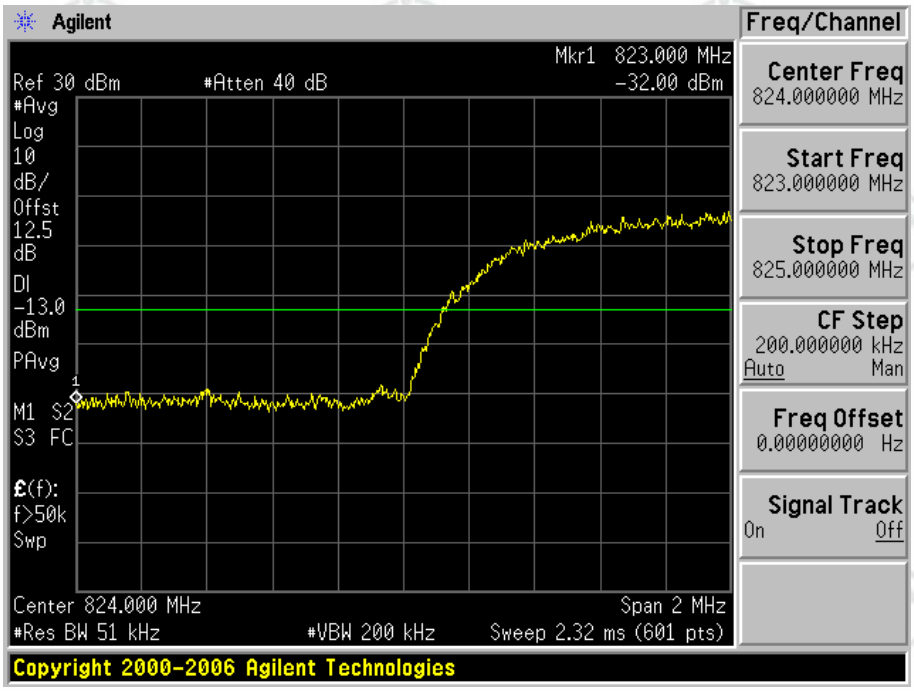
<table>
<tr><td>Test Requirement:</td><td>Part 2.1051</td></tr>
<tr><td>Test Method:</td><td>Part 22.917(b)/Part 24.238(b)</td></tr>
<tr><td>Test Setup:</td><td>Refer to section 5 for details</td></tr>
<tr><td>Measurement Procedure:</td><td>The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel).in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of 100kHz or 1% of the emission bandwidth of the fundamental emission of the transmitter may be employed. The EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to peak or peak hold power.</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Operation Band</td><td>Frequency Range (MHz)</td><td>Limit</td></tr>
<tr><td>WCDMA 850</td><td>Below 824 and above 849</td><td>Attenuated at least 43+10log(P)</td></tr>
<tr><td>WCDMA 1900</td><td>Below 1850 and above 1910</td><td>Attenuated at least 43+10log(P)</td></tr>
</table>
</td></tr>
<tr><td>Instruments Used:</td><td>Refer to section 7 for details</td></tr>
<tr><td>Test Results:</td><td>Pass</td></tr>
</table>

1 For WCDMA

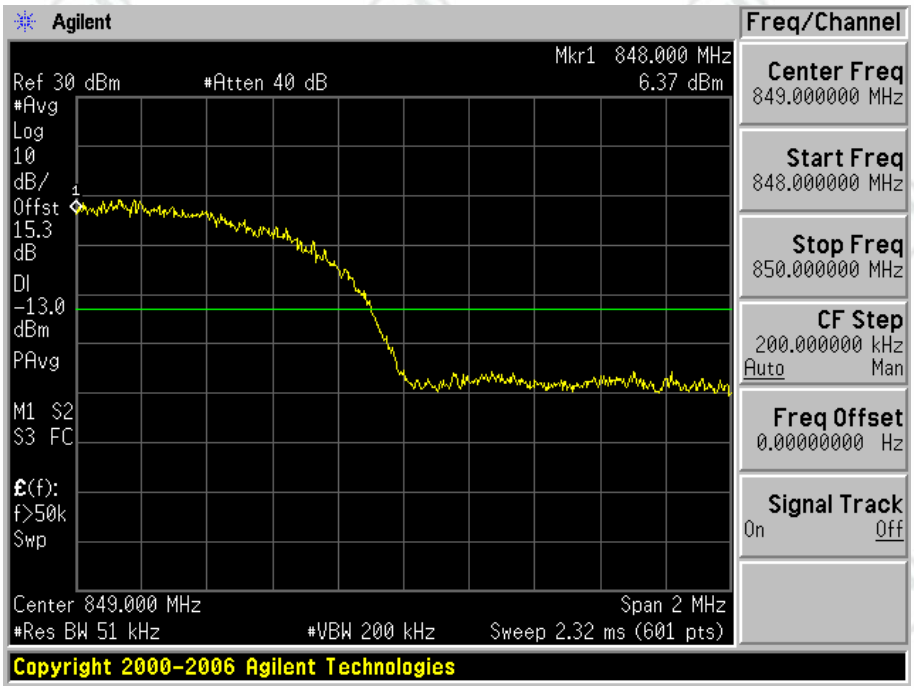
1.1 Test Band=WCDMA850

1.1.1 Test Mode=UMTS/TM1

1.1.1.1 Test Channel=LCH

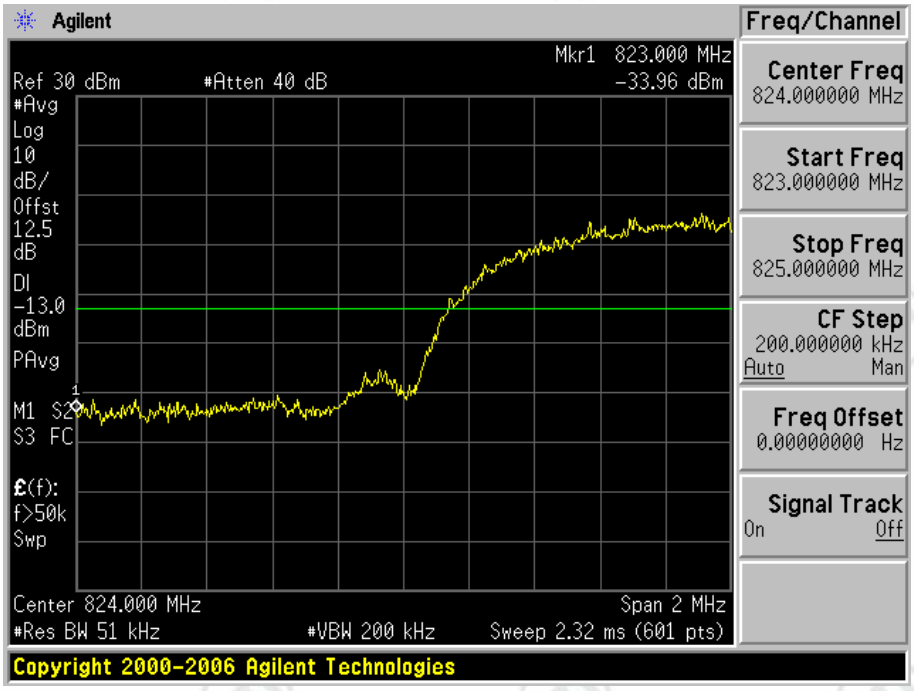


1.1.1.2 Test Channel=HCH

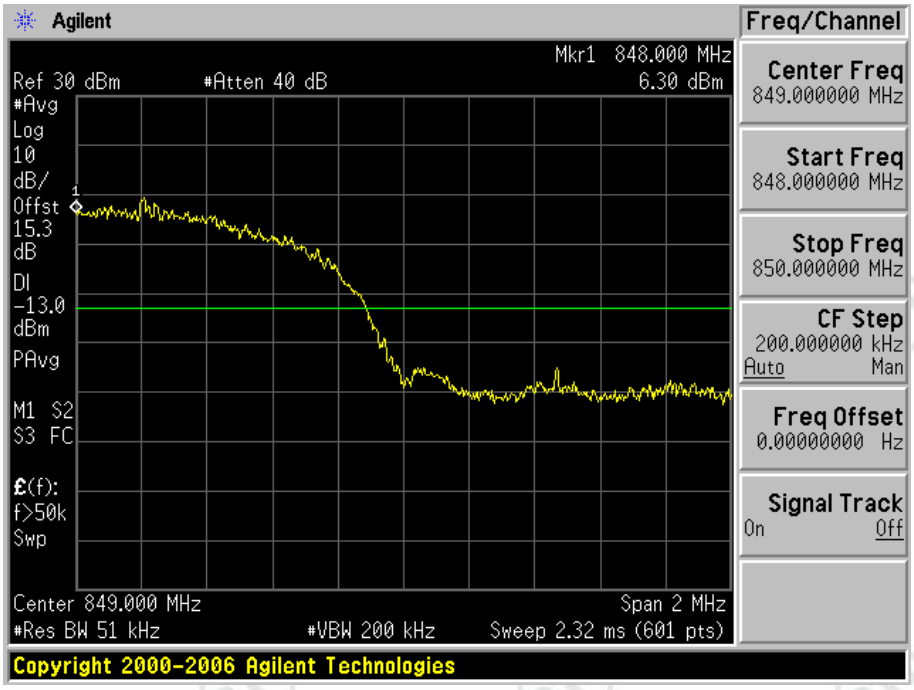


1.1.2 Test Mode=UMTS/TM2

1.1.2.1 Test Channel=LCH

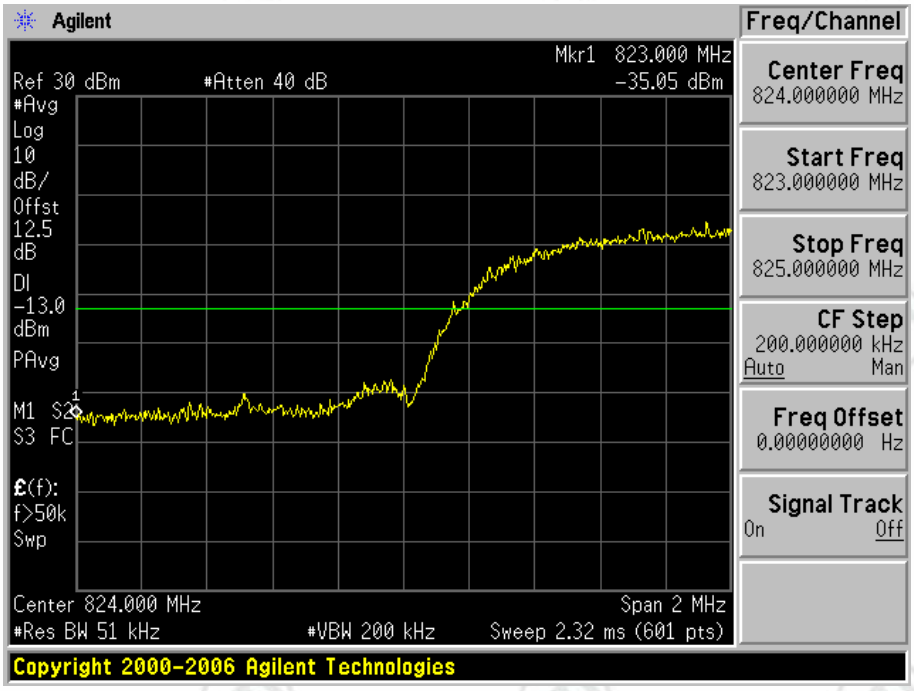


1.1.2.2 Test Channel=HCH

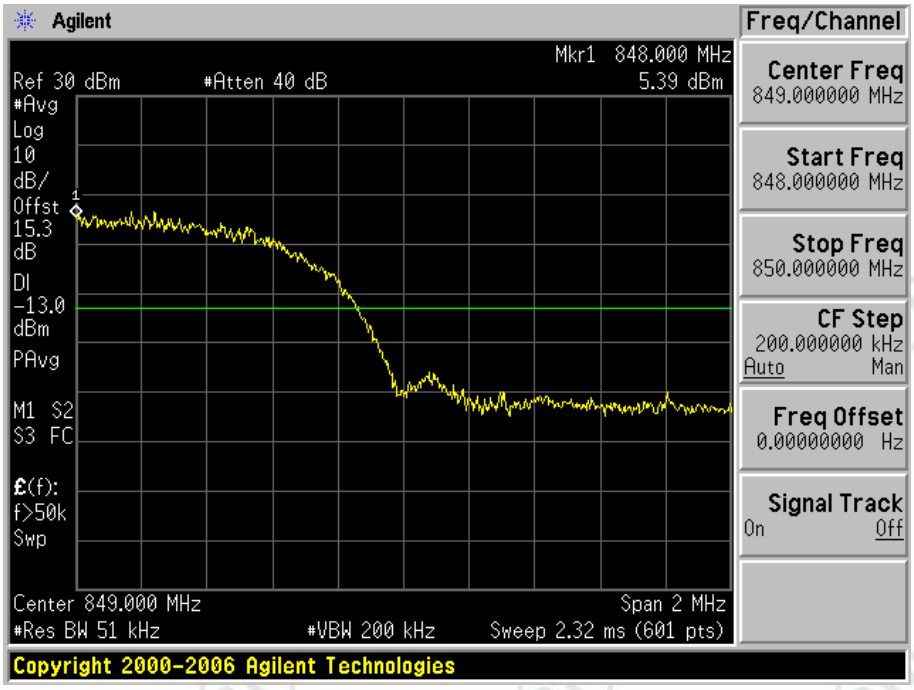


1.1.3 Test Mode=UMTS/TM3

1.1.3.1 Test Channel=LCH



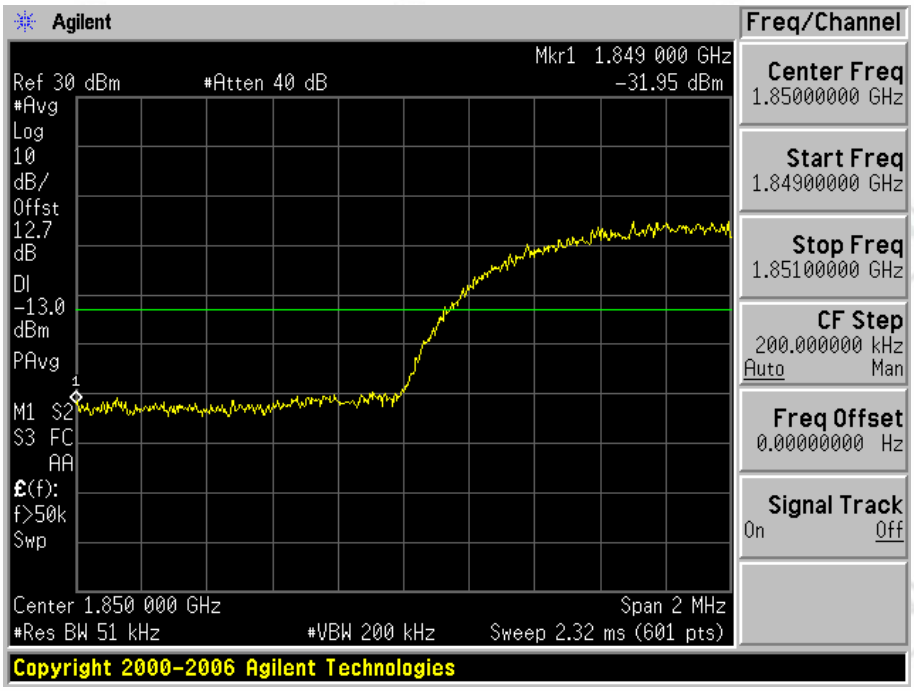
1.1.3.2 Test Channel=HCH



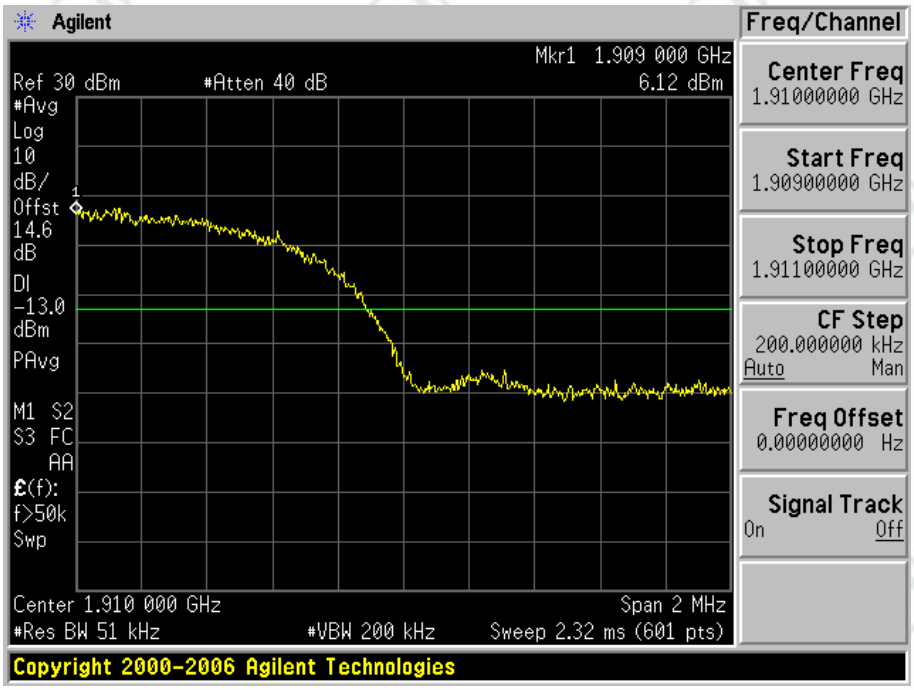
1.2 Test Band=WCDMA1900

1.2.1 Test Mode=UMTSTM1

1.2.1.1 Test Channel=LCH

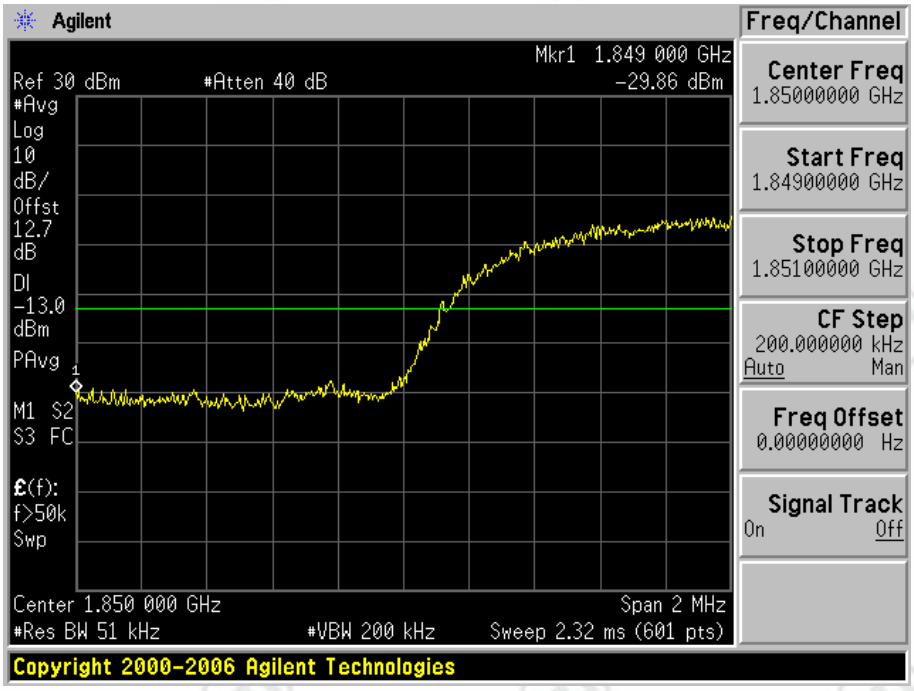


1.2.1.2 Test Channel=HCH

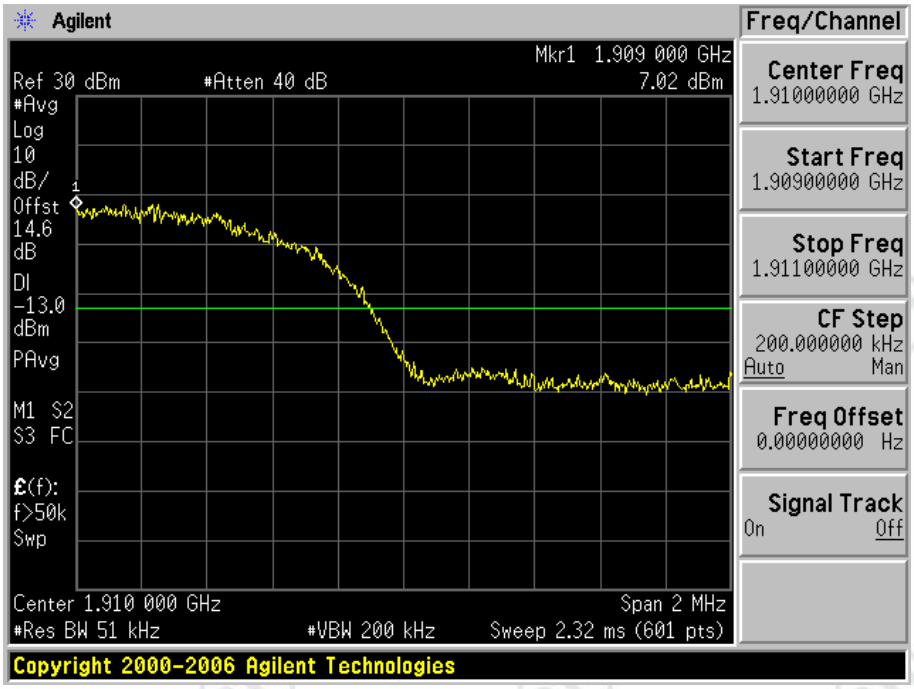


1.2.2 Test Mode=UMTS/TM2

1.2.2.1 Test Channel=LCH

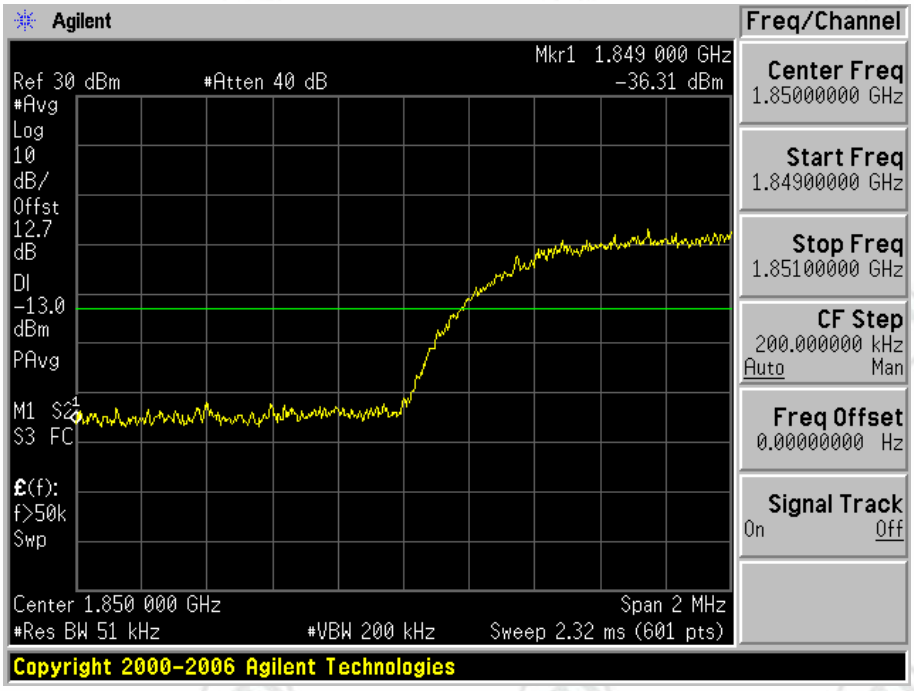


1.2.2.2 Test Channel=HCH

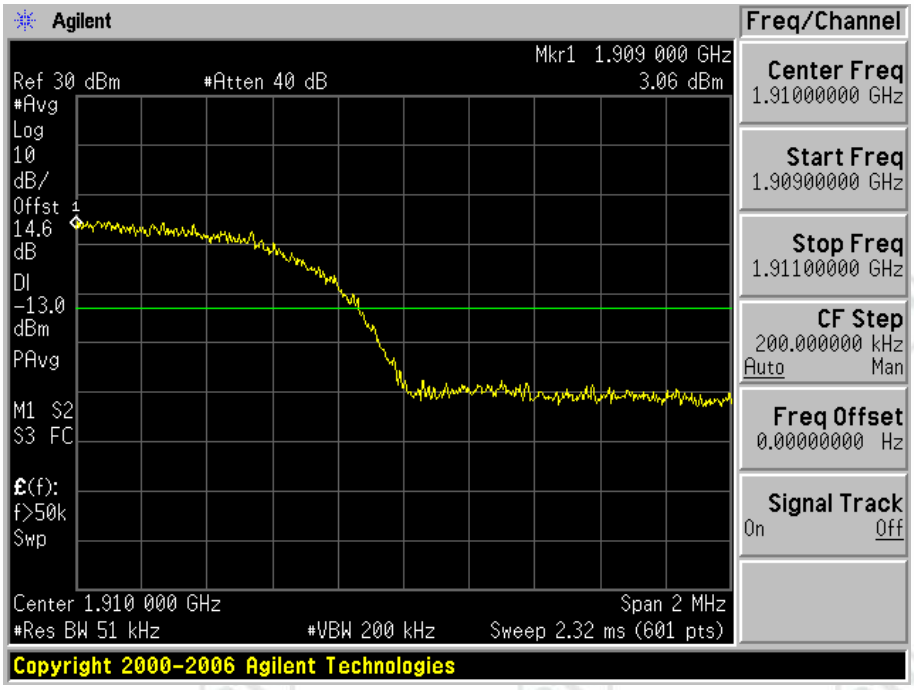


1.2.3 Test Mode=UMTS/TM3

1.2.3.1 Test Channel=LCH



1.2.3.2 Test Channel=HCH



Appendix E)Spurious Emission at Antenna Terminal

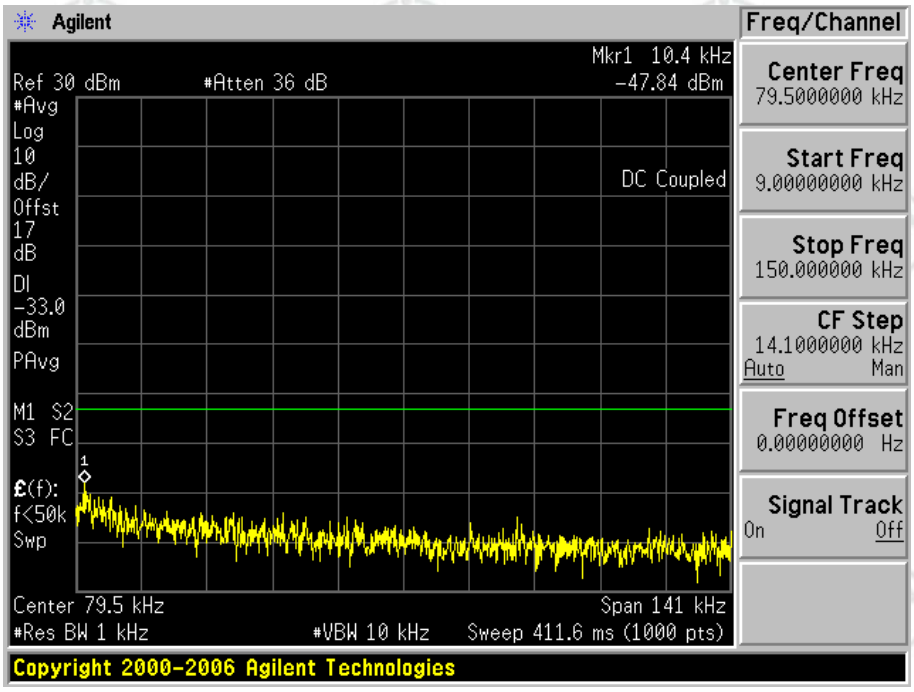
Test Requirement:	Part 2.1051/Part 2.1057
Test Method:	TIA-603-E-2016 Clause 2.2.13
Test Setup:	Refer to section 5 for details
Measurement Procedure:	The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyzer, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel).the equipment operates below 10GHz: to the tenth harmonic of the highest fundamental frequency or to 40GHz.whichever is lower, the resolution bandwidth of the spectrum analyzer was set at 100kHz for spurious emissions below 1 GHz, and 1 MHz for spurious emissions above 1GHz.the video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to mean or average power.
Instruments Used:	Refer to section 7 for details
Limit:	Attenuated at least 43+10log(P)
Test Results:	Pass

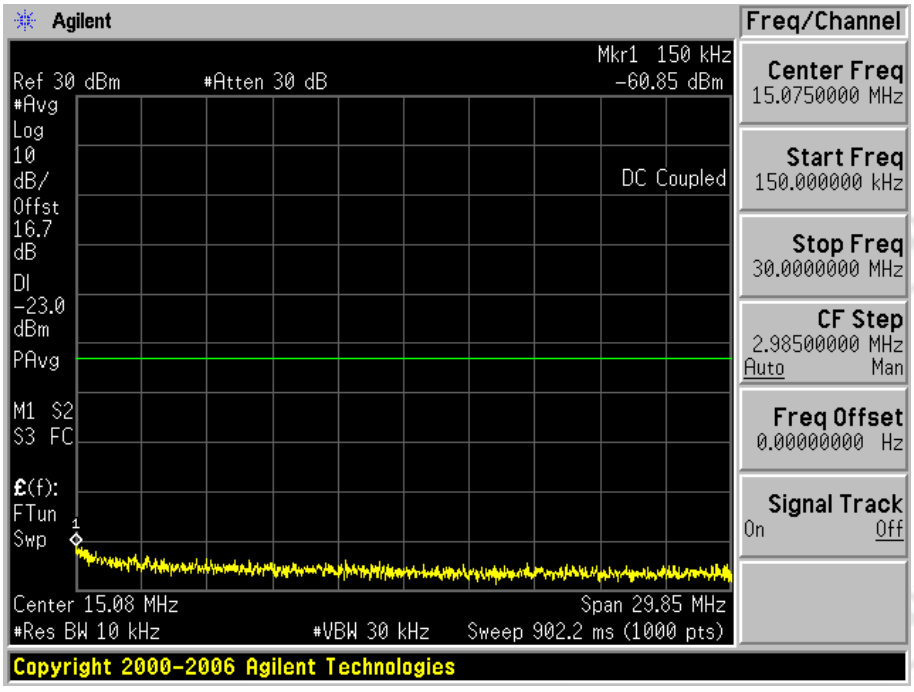
1 For WCDMA

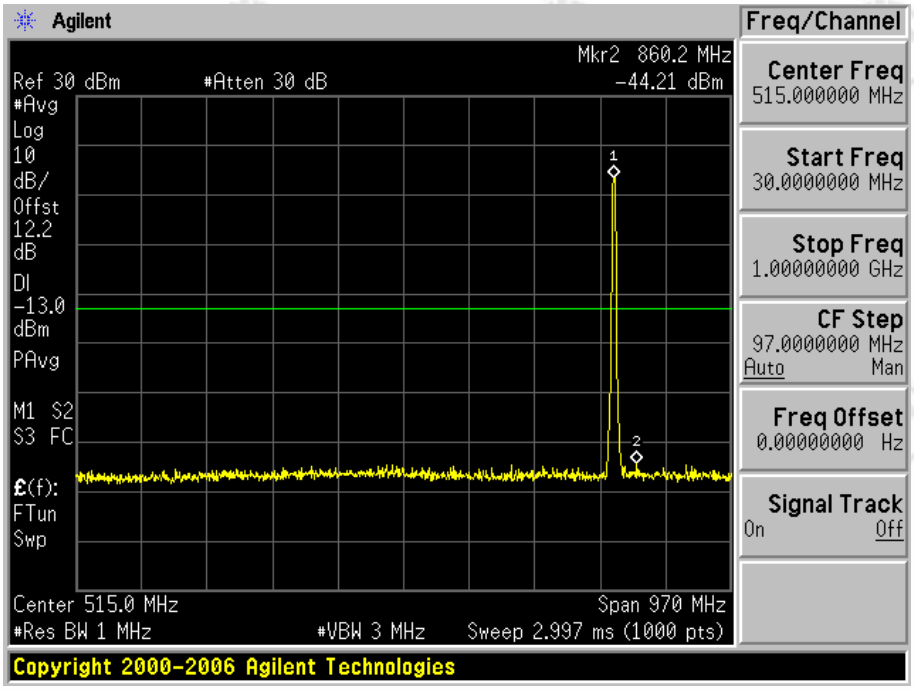
1.1 Test Band=WCDMA850

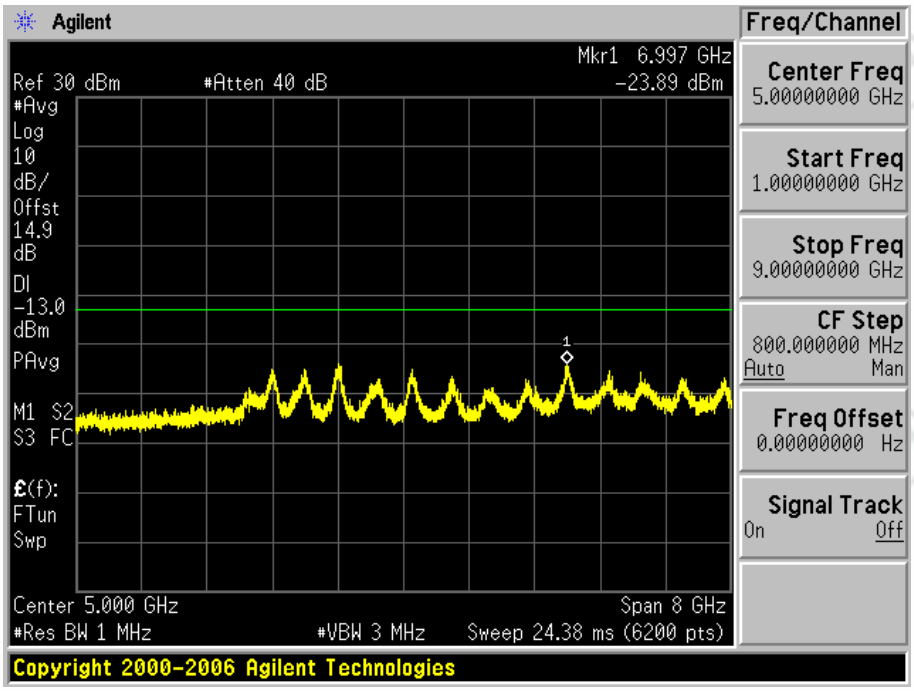
1.1.1 Test Mode=UMTS/TM1

1.1.1.1 Test Channel=LCH

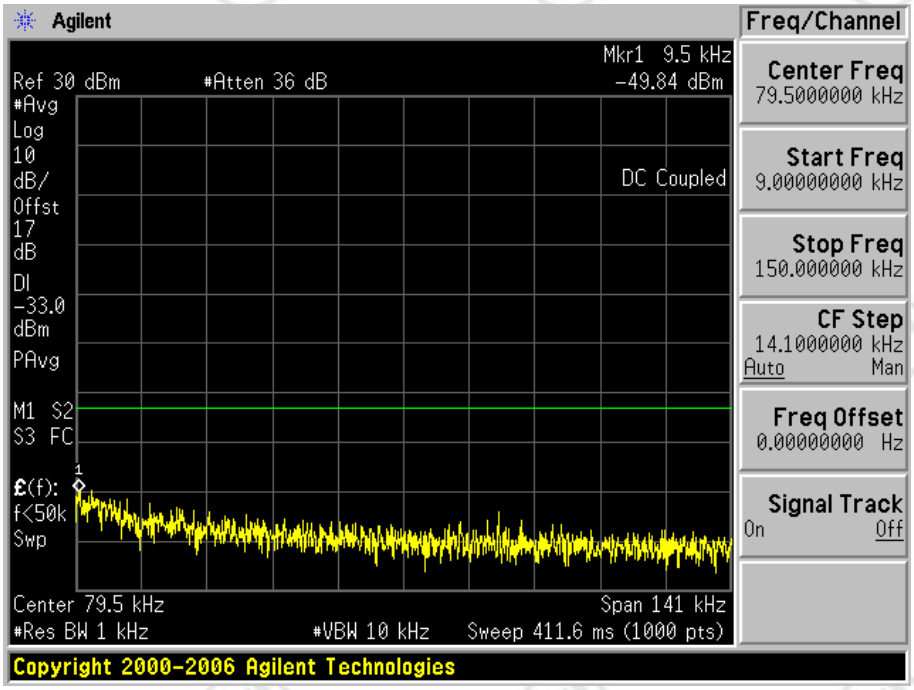


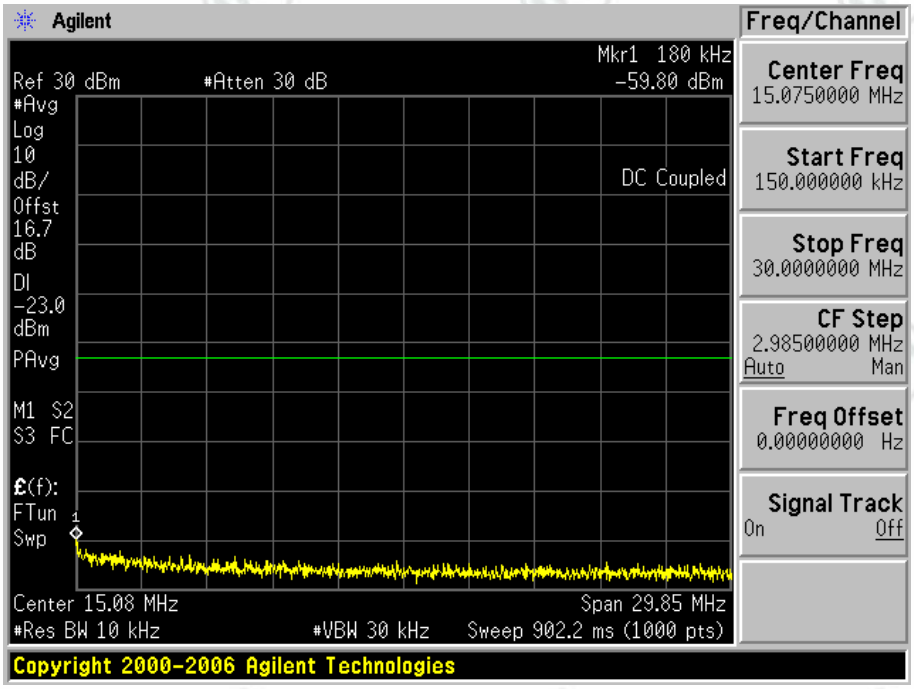


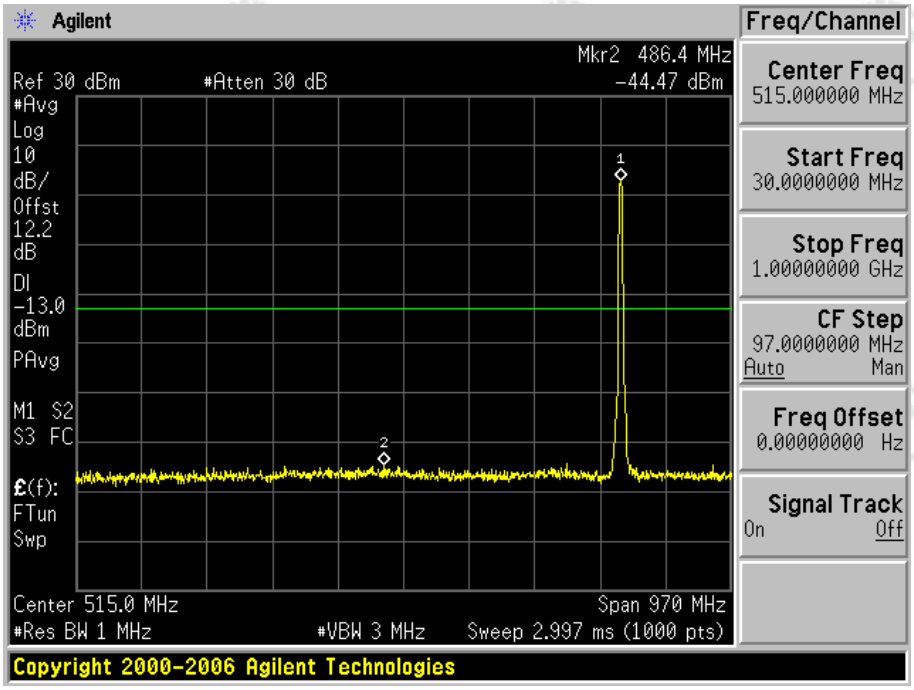

Agilent
Freq/Channel
Mkr2 860.2 MHz
Ref 30 dBm
#Atten 30 dB
-44.21 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

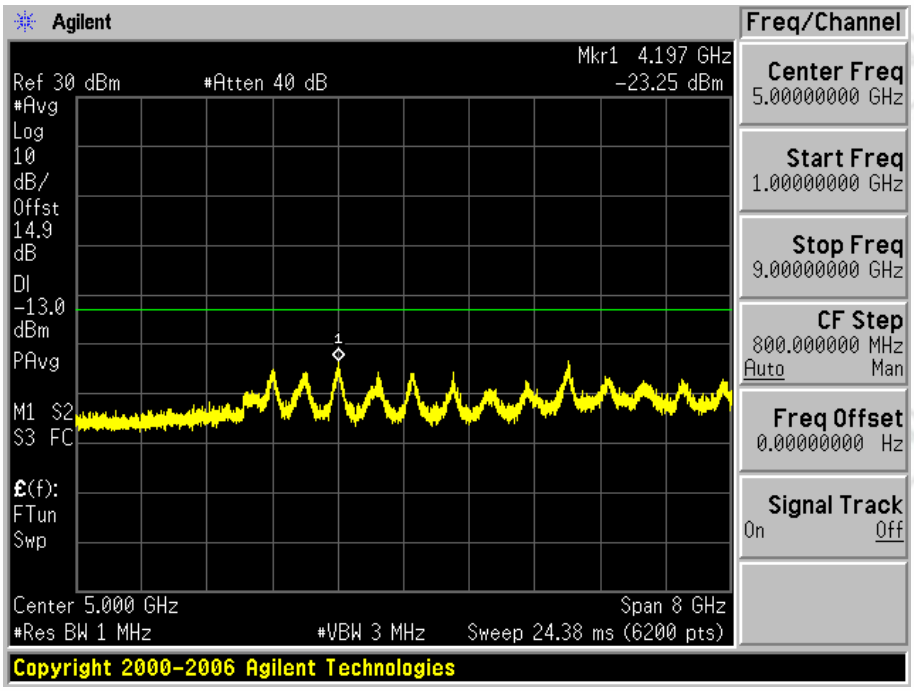

Agilent
Freq/Channel
Mkr1 6.997 GHz
Ref 30 dBm
#Atten 40 dB
-23.89 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

1.1.1.2 Test Channel=MCH

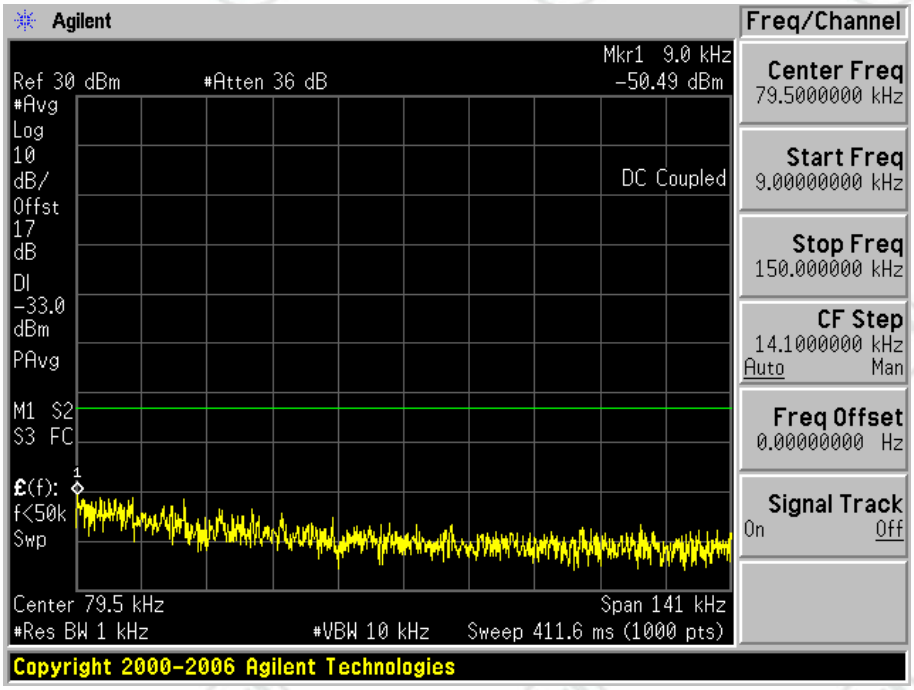


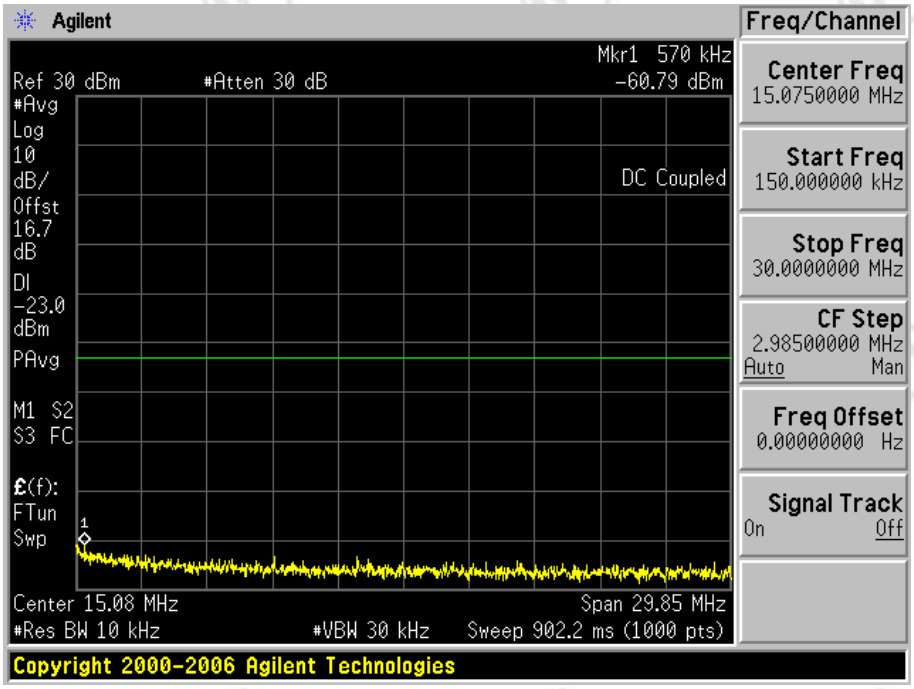


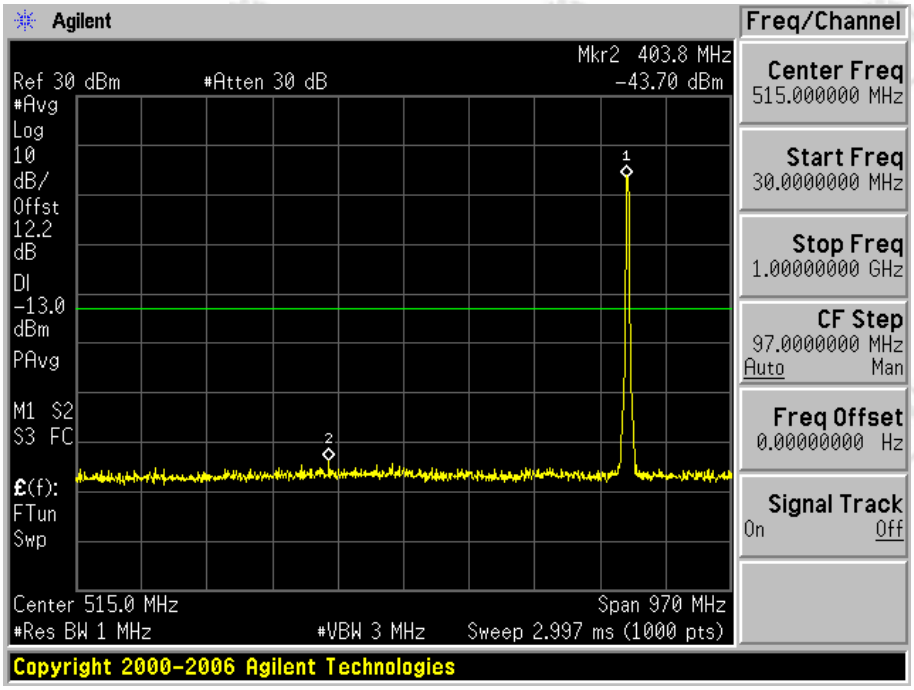

Agilent
Freq/Channel
Mkr2 486.4 MHz
Ref 30 dBm
#Atten 30 dB
-44.47 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

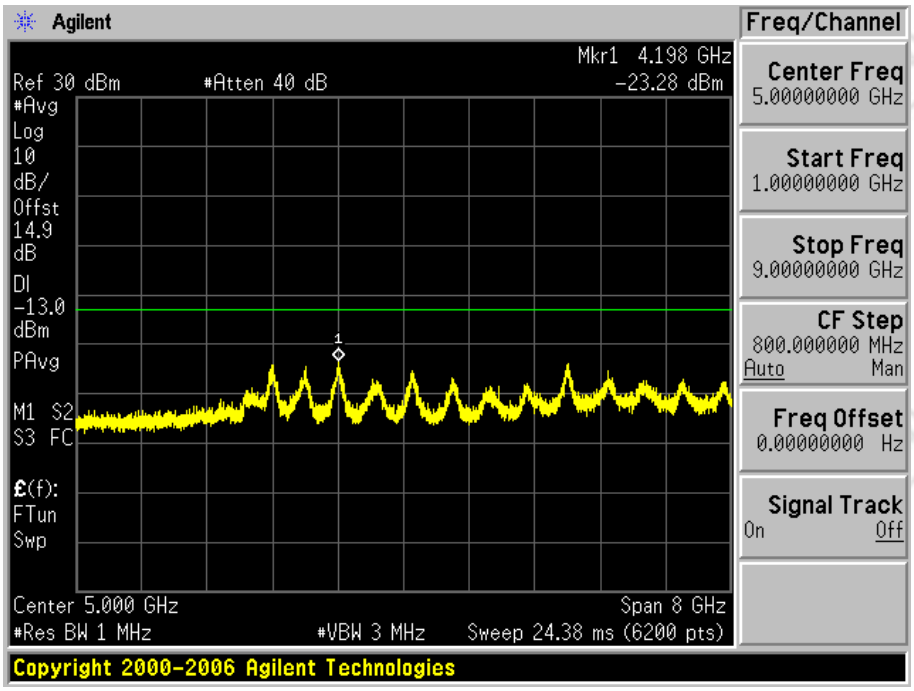

Agilent
Freq/Channel
Mkr1 4.197 GHz
Ref 30 dBm
#Atten 40 dB
-23.25 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

1.1.1.3 Test Channel=HCH



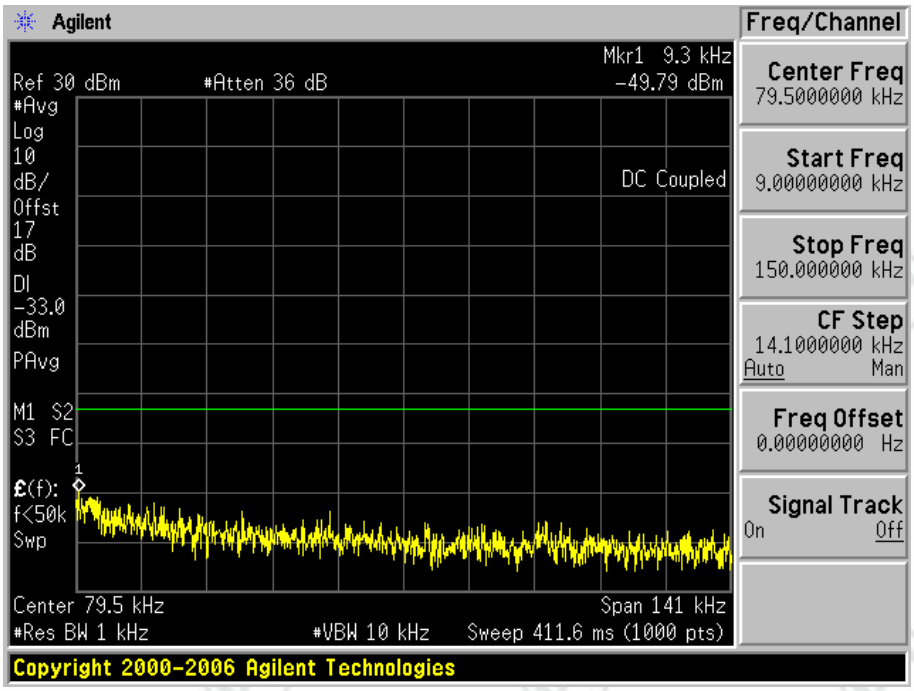


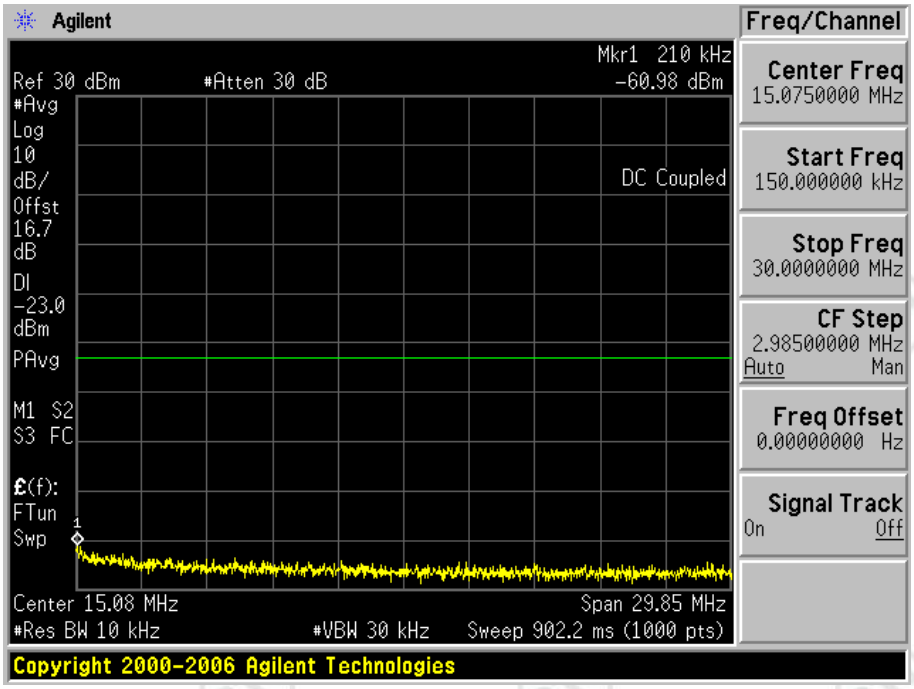

Agilent
Freq/Channel
Mkr2 403.8 MHz
Ref 30 dBm
#Atten 30 dB
-43.70 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

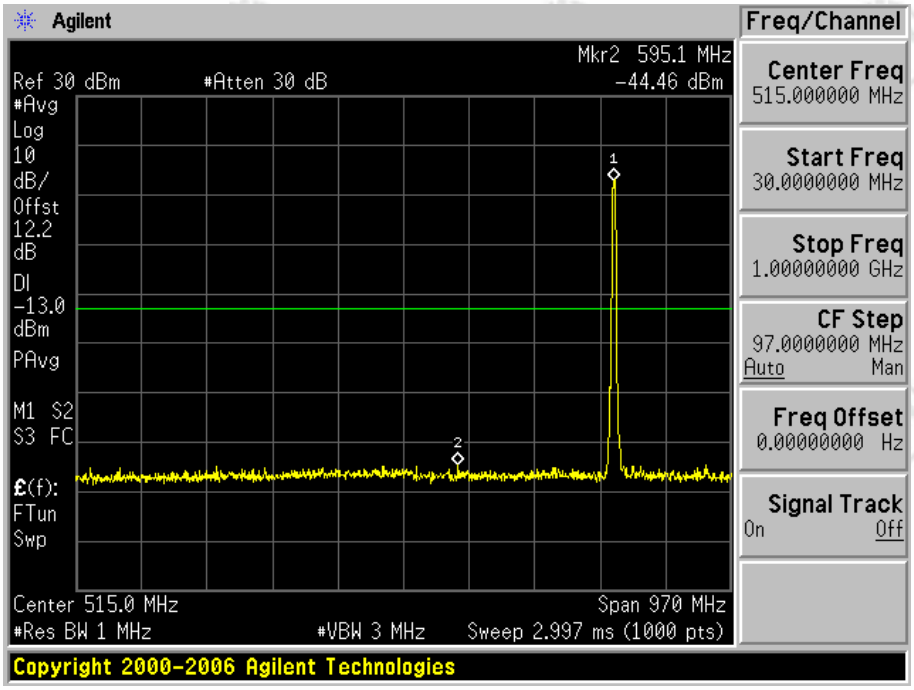

Agilent
Freq/Channel
Mkr1 4.198 GHz
Ref 30 dBm
#Atten 40 dB
-23.28 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

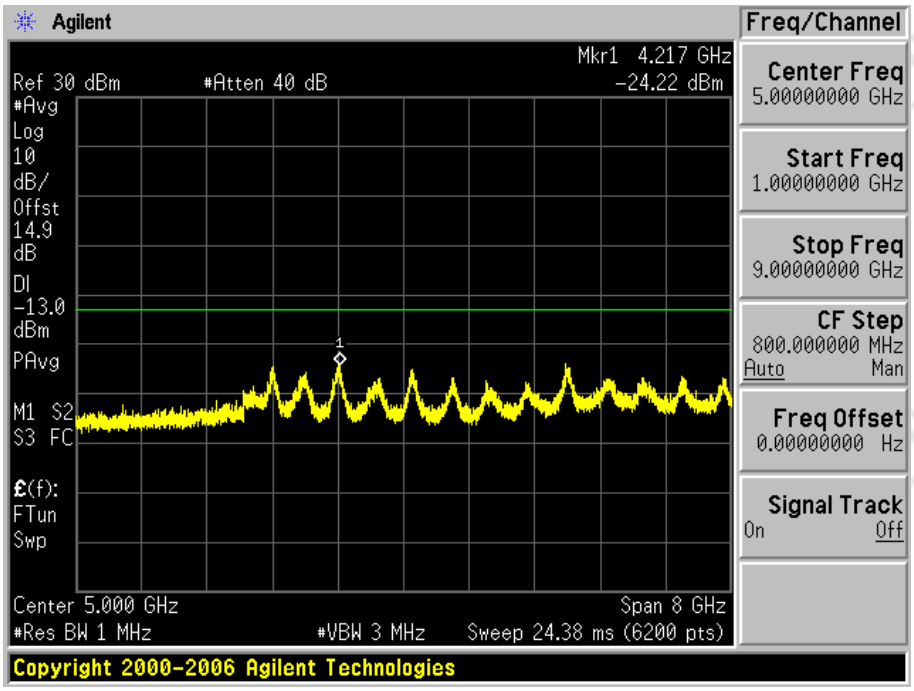
1.1.2 Test Mode=UMTS/TM2

1.1.2.1 Test Channel=LCH

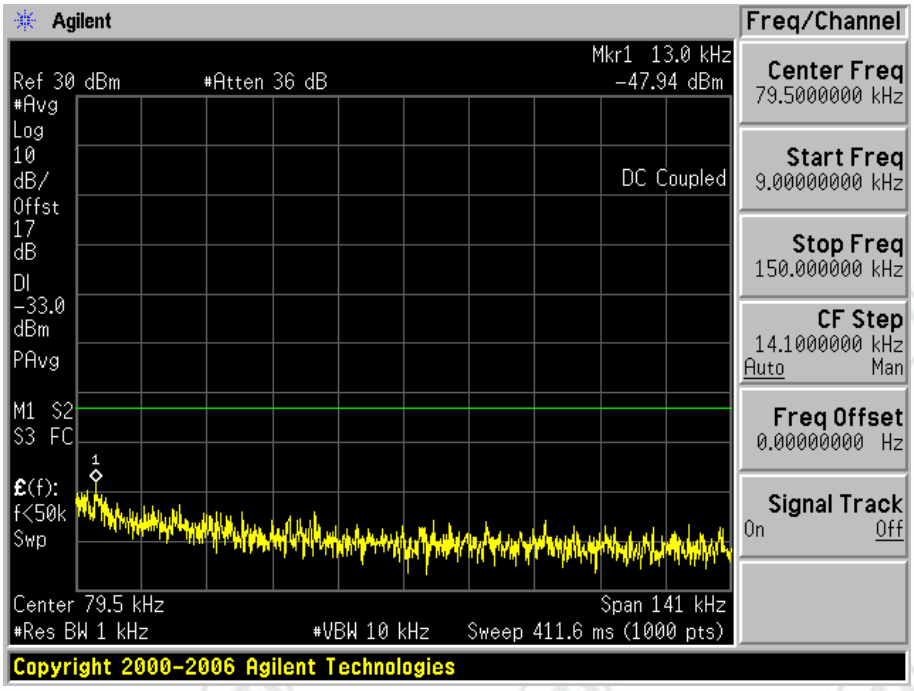


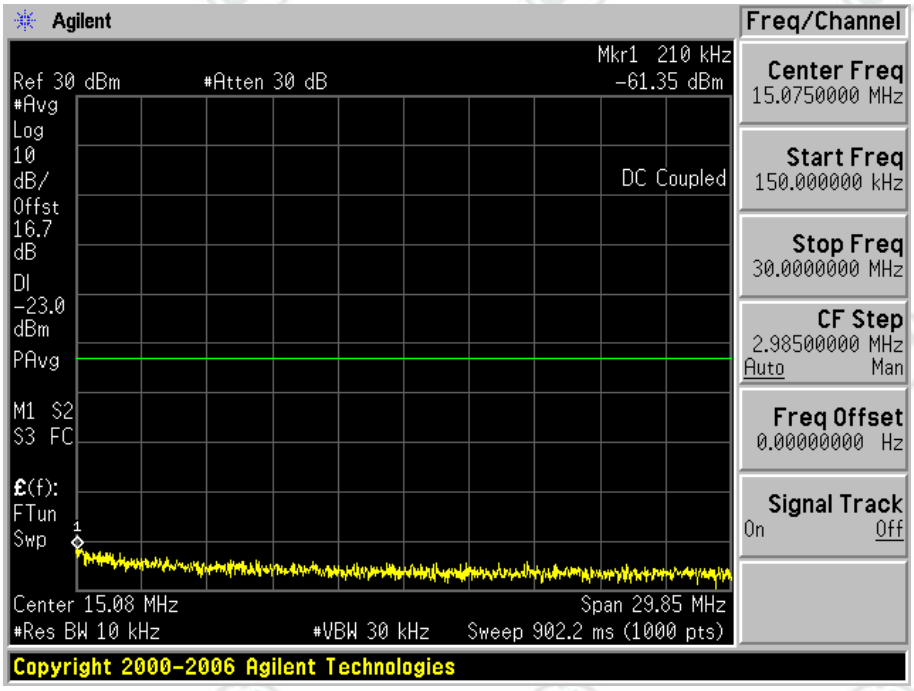


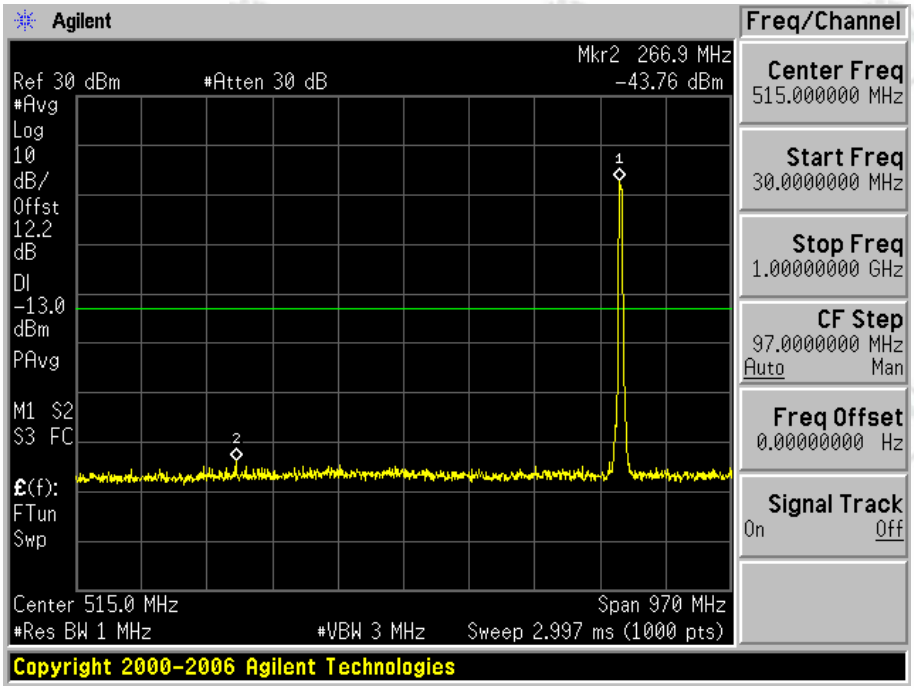

Agilent
Freq/Channel
Mkr2 595.1 MHz
Ref 30 dBm
#Atten 30 dB
-44.46 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

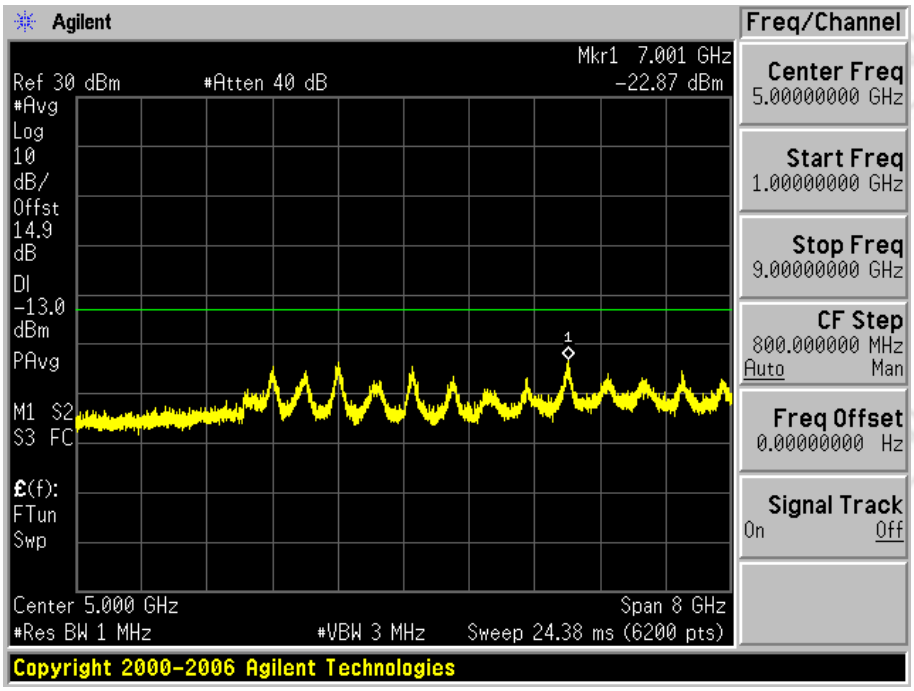

Agilent
Freq/Channel
Mkr1 4.217 GHz
Ref 30 dBm
#Atten 40 dB
-24.22 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

1.1.2.2 Test Channel=MCH

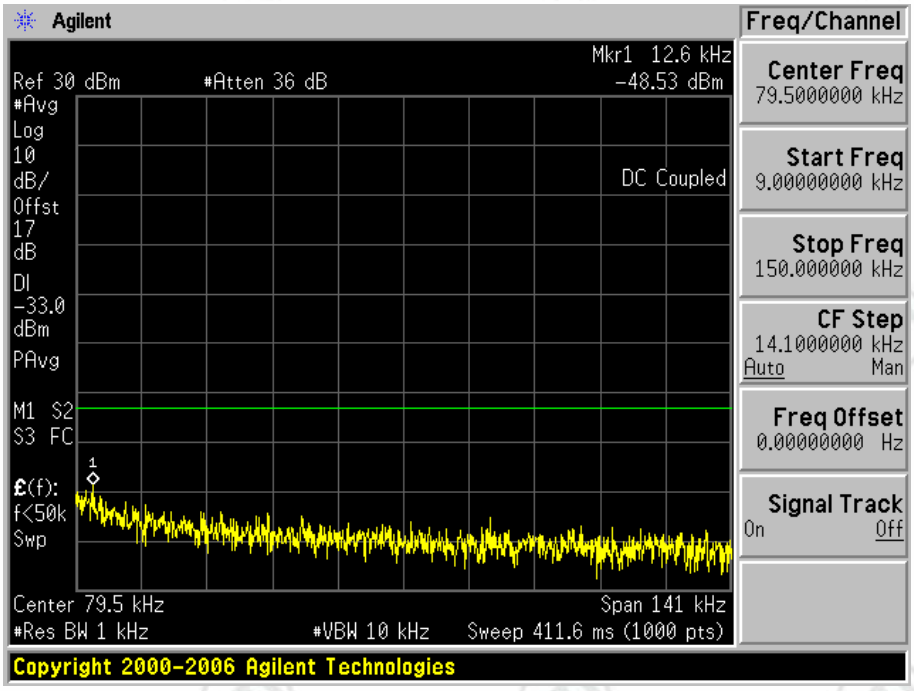


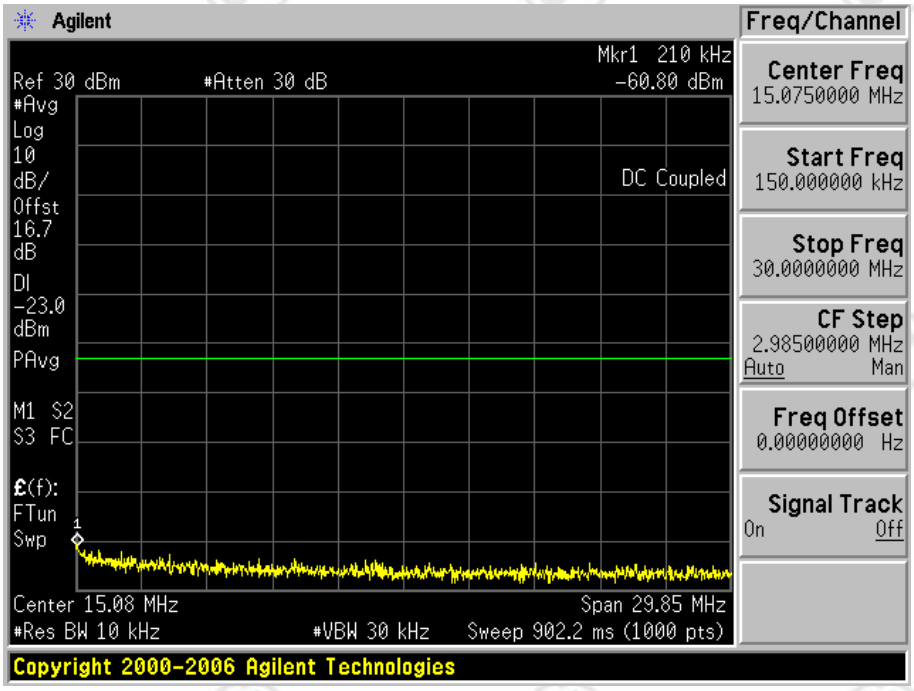


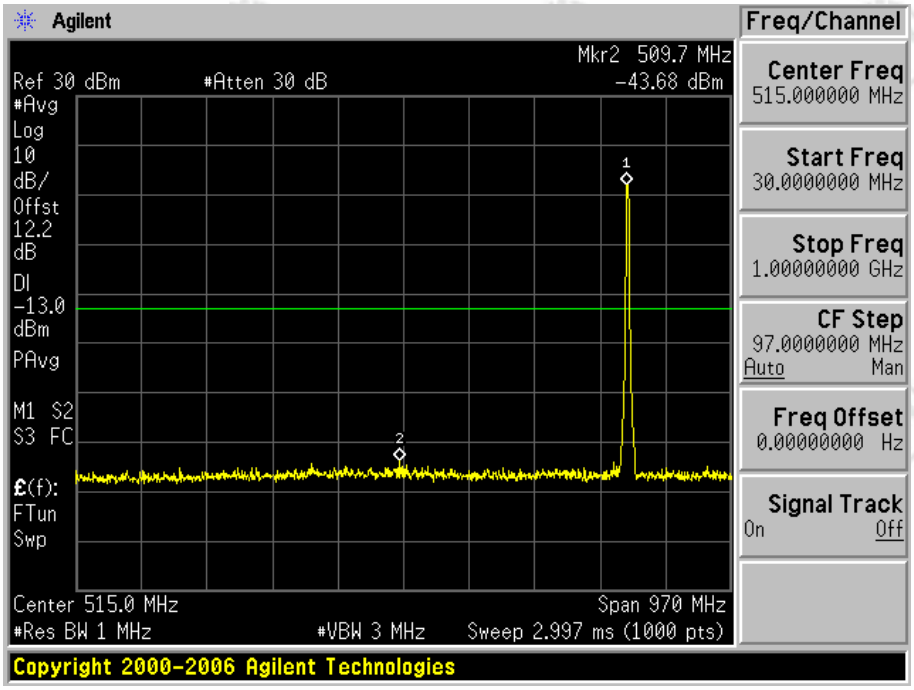

Agilent
Freq/Channel
Mkr2 266.9 MHz
Ref 30 dBm
#Atten 30 dB
-43.76 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

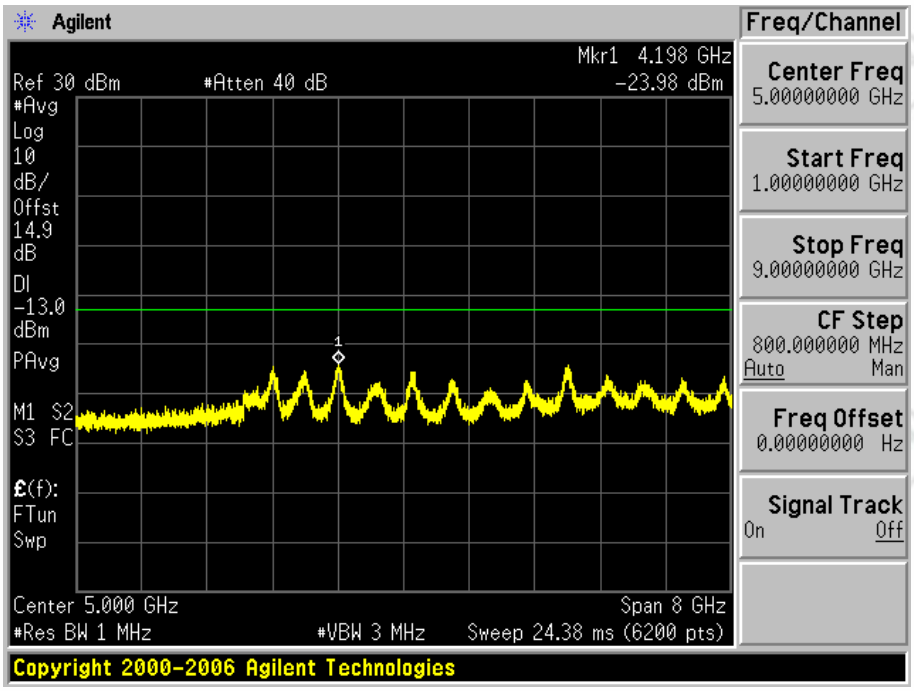

Agilent
Freq/Channel
Mkr1 7.001 GHz
Ref 30 dBm
#Atten 40 dB
-22.87 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

1.1.2.3 Test Channel=HCH



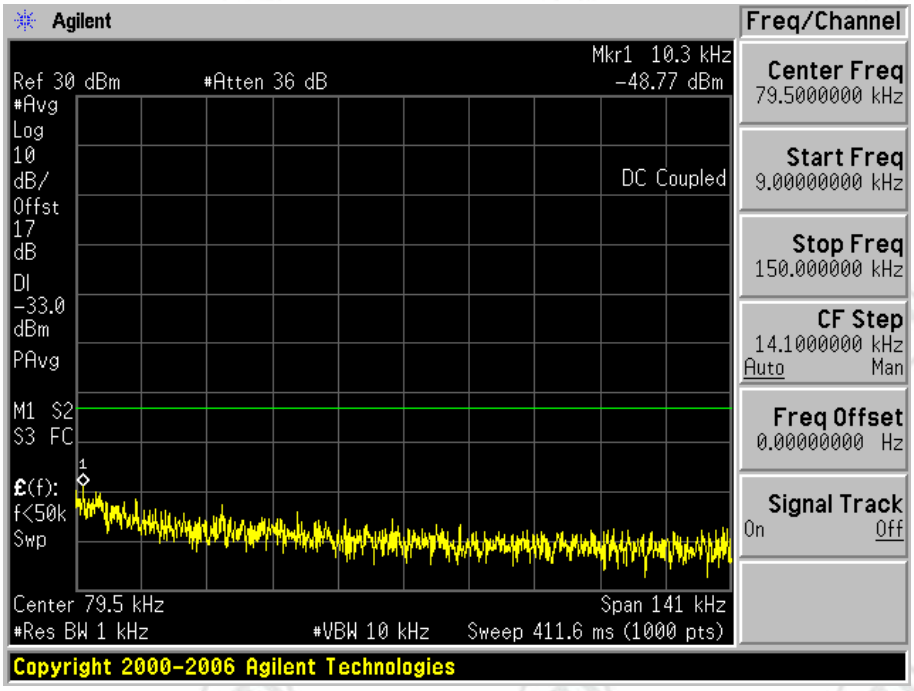


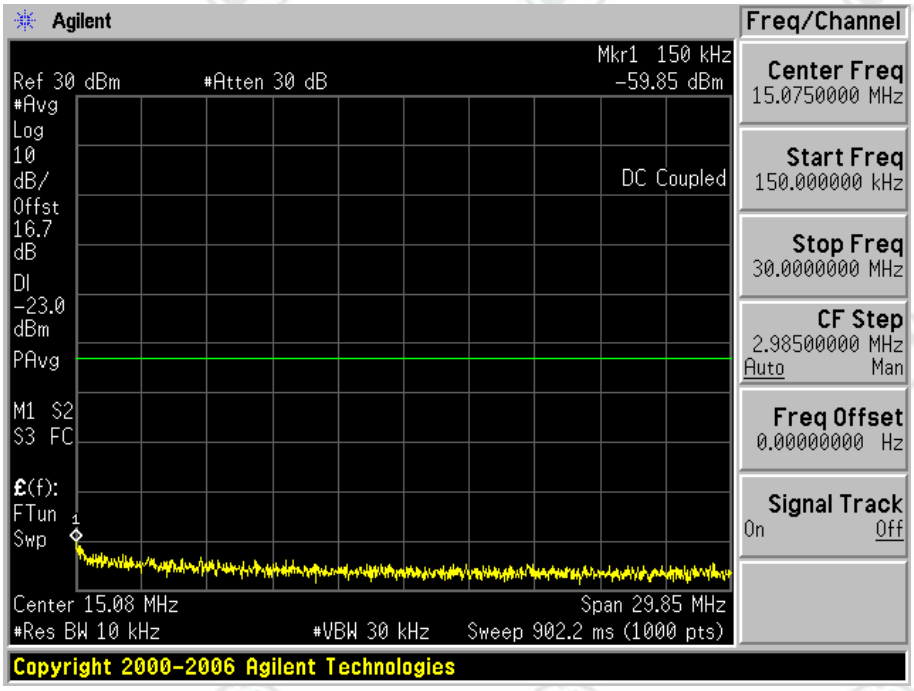

Agilent
Freq/Channel
Mkr2 509.7 MHz
Ref 30 dBm
#Atten 30 dB
-43.68 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

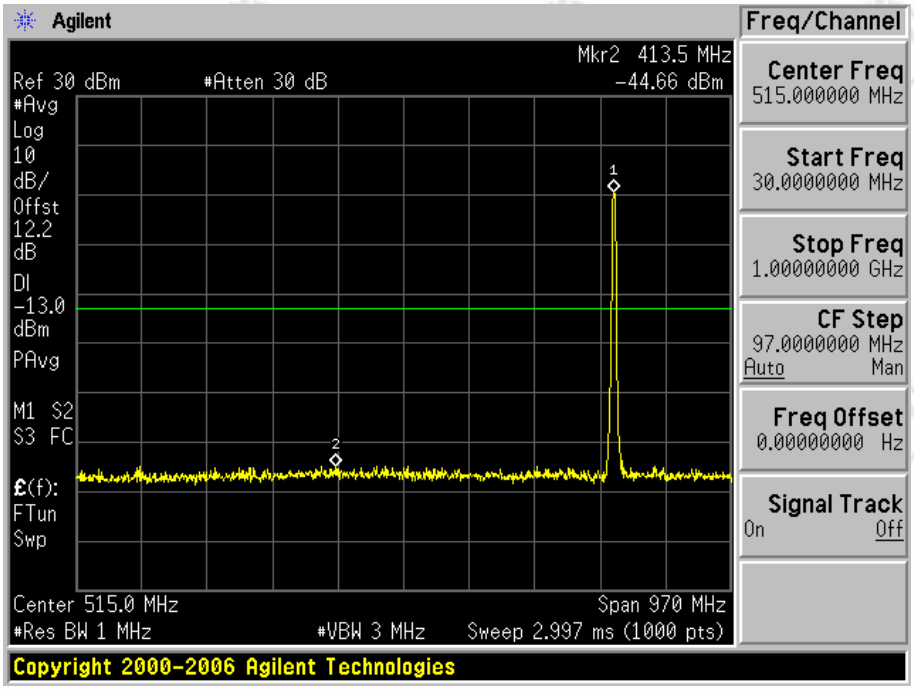

Agilent
Freq/Channel
Mkr1 4.198 GHz
Ref 30 dBm
#Atten 40 dB
-23.98 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

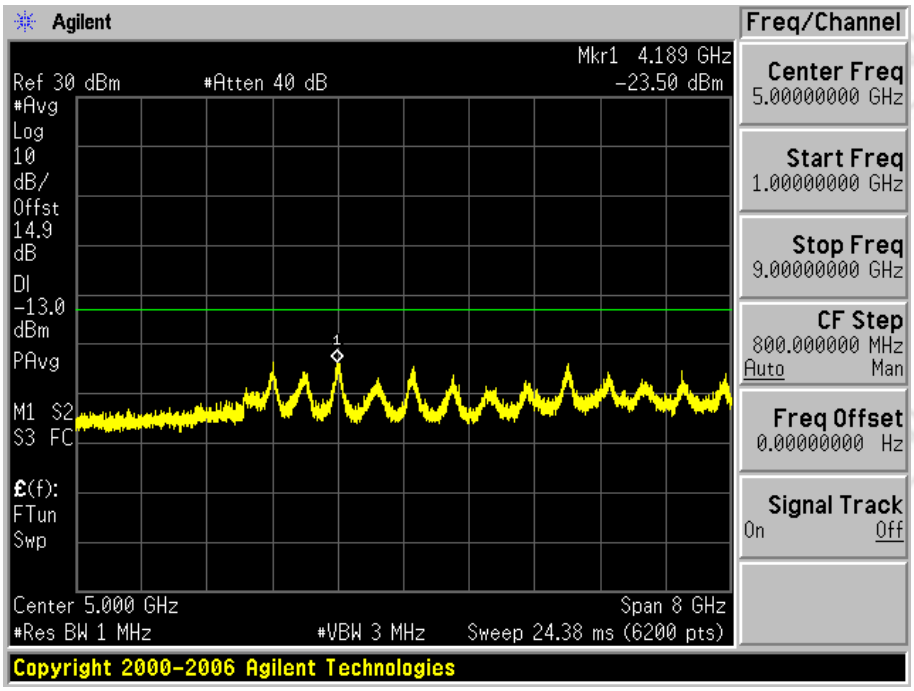
1.1.3 Test Mode=UMTS/TM3

1.1.3.1 Test Channel=LCH

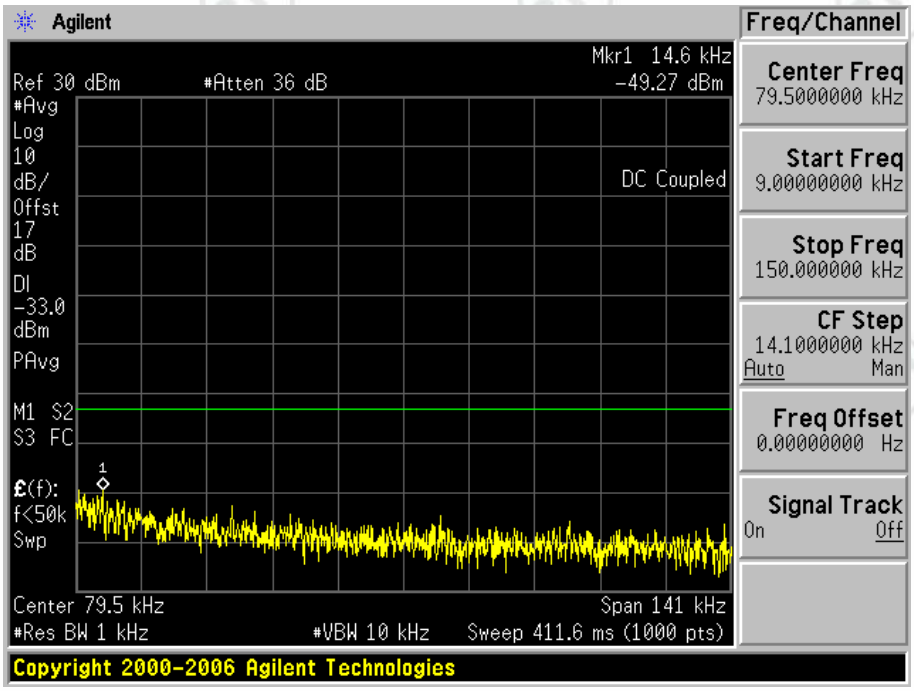


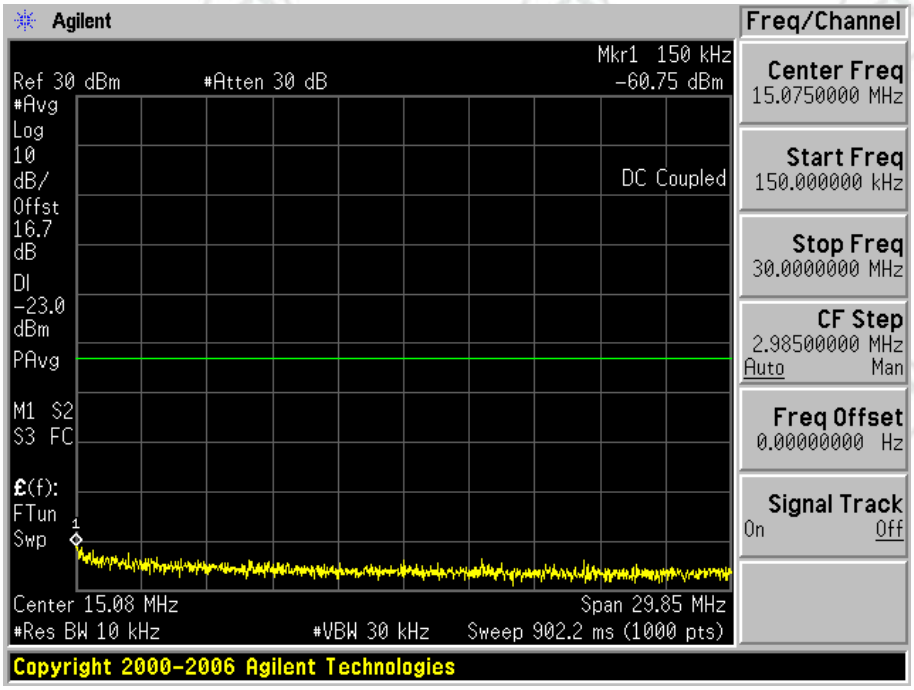


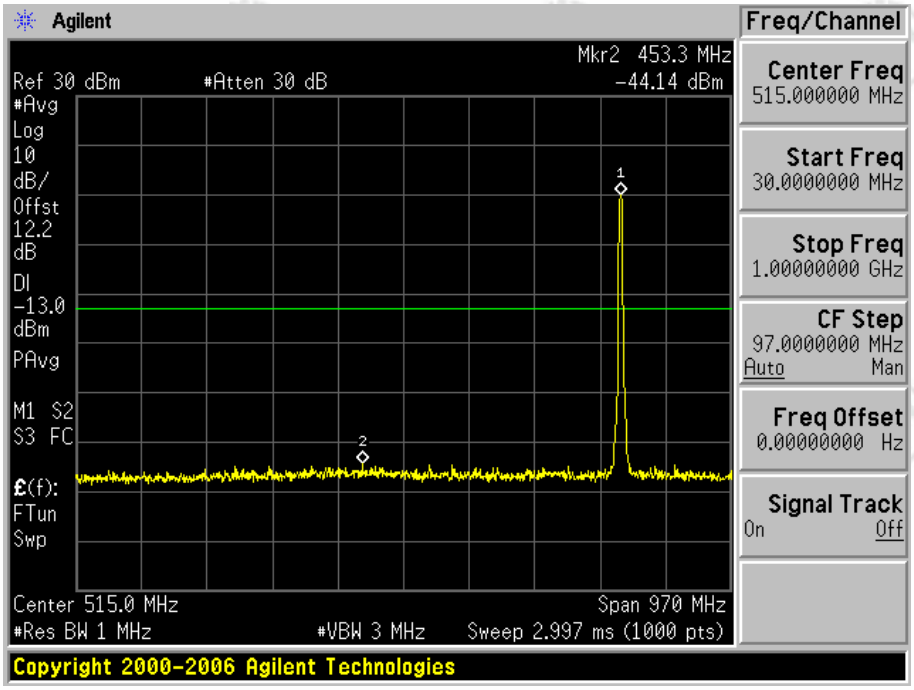

Agilent
Freq/Channel
Mkr2 413.5 MHz
Ref 30 dBm
#Atten 30 dB
-44.66 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

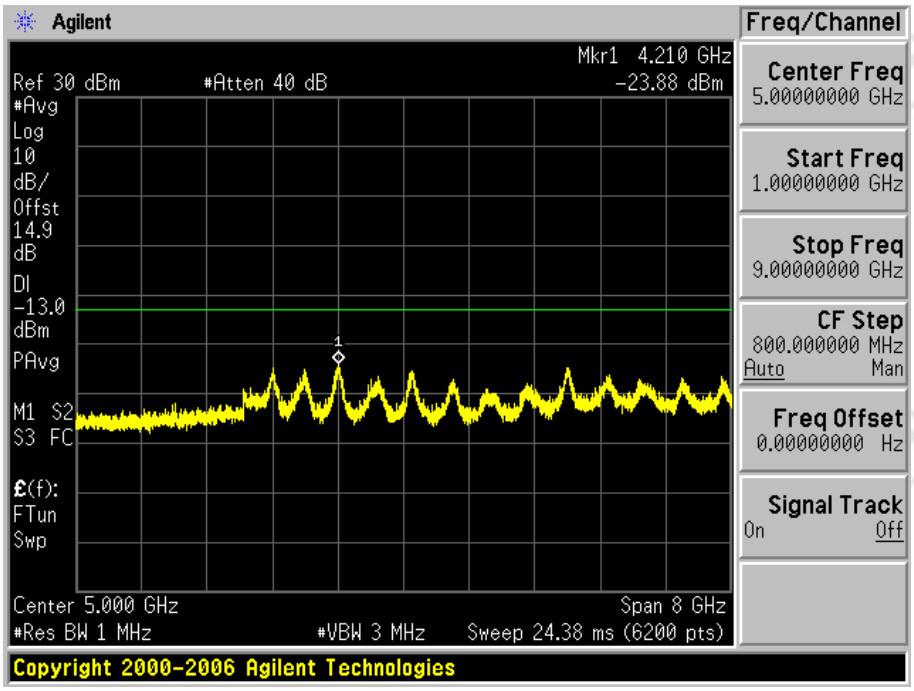

Agilent
Freq/Channel
Mkr1 4.189 GHz
Ref 30 dBm
#Atten 40 dB
-23.50 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

1.1.3.2 Test Channel=MCH

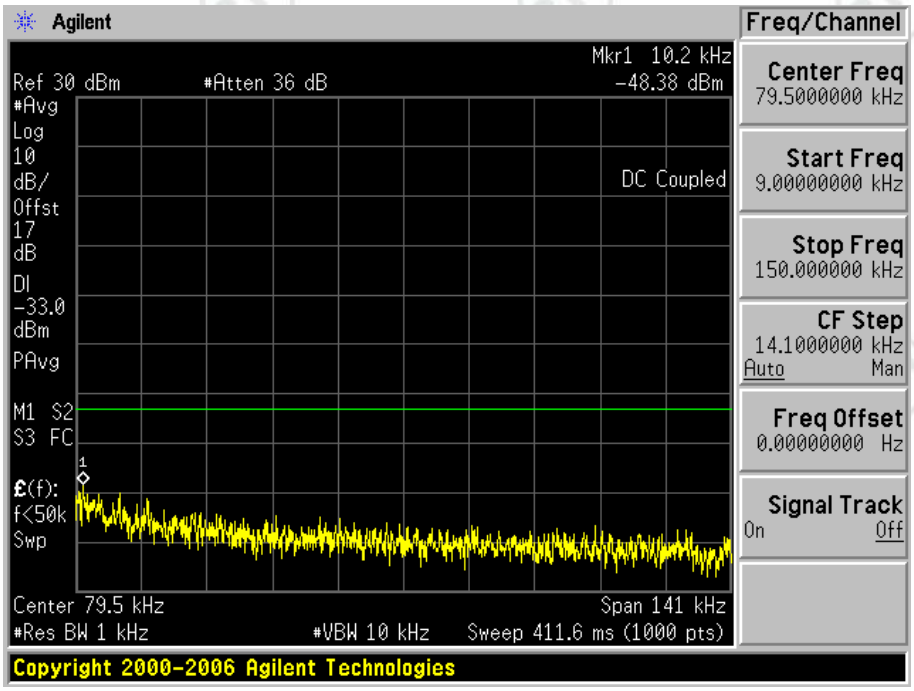


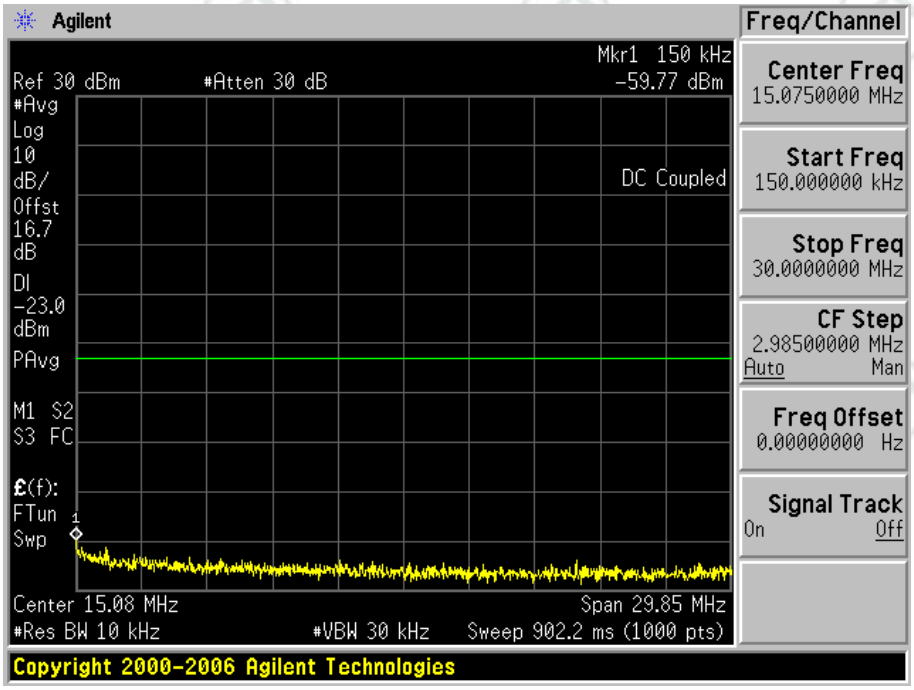


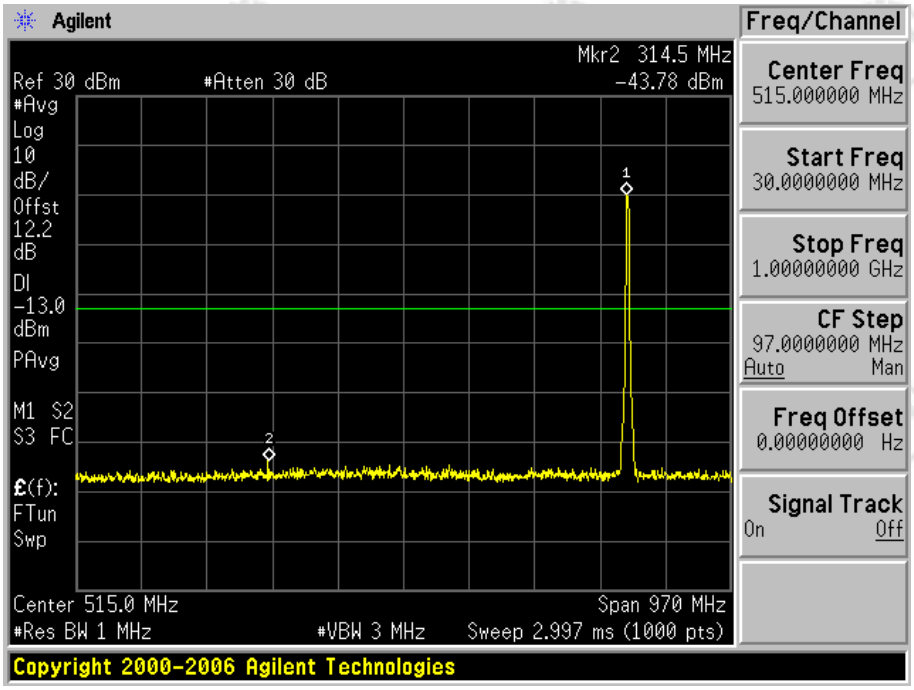

Agilent
Freq/Channel
Mkr2 453.3 MHz
Ref 30 dBm
#Atten 30 dB
-44.14 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

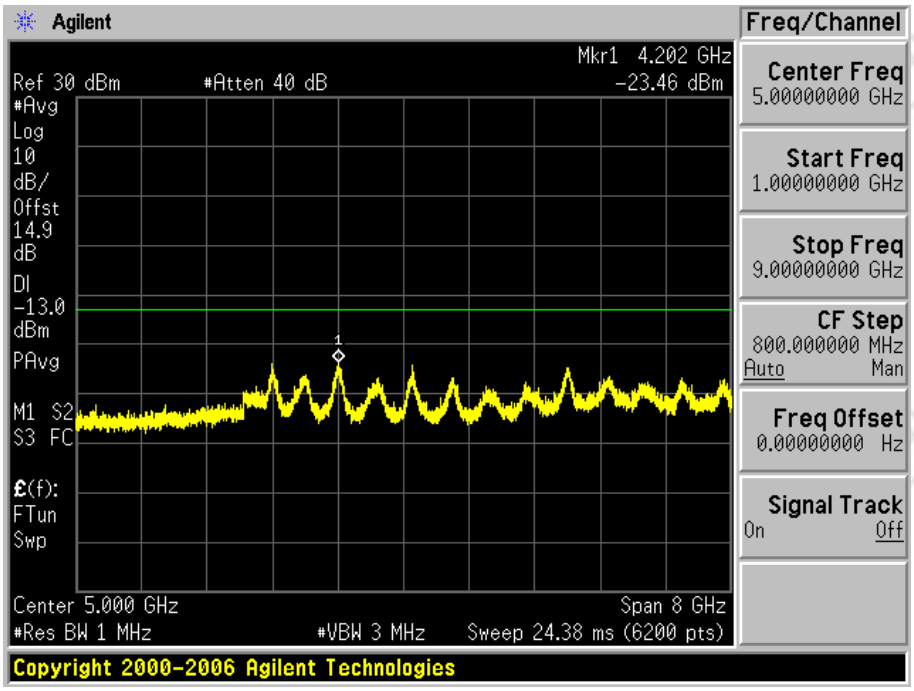

Agilent
Freq/Channel
Mkr1 4.210 GHz
Ref 30 dBm
#Atten 40 dB
-23.88 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

1.1.3.3 Test Channel=HCH





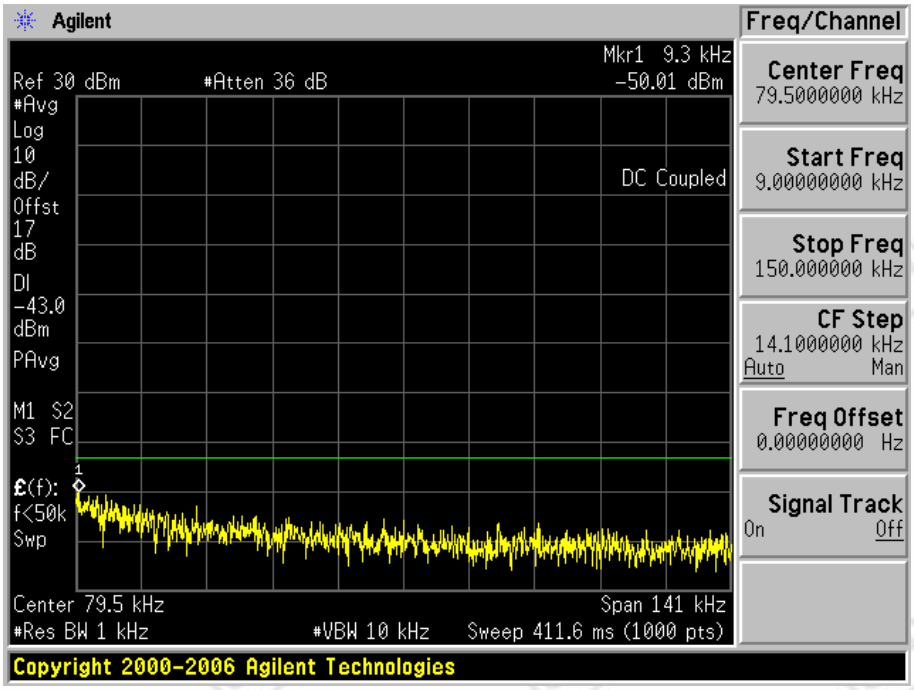

Agilent
Freq/Channel
Mkr2 314.5 MHz
Ref 30 dBm
#Atten 30 dB
-43.78 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

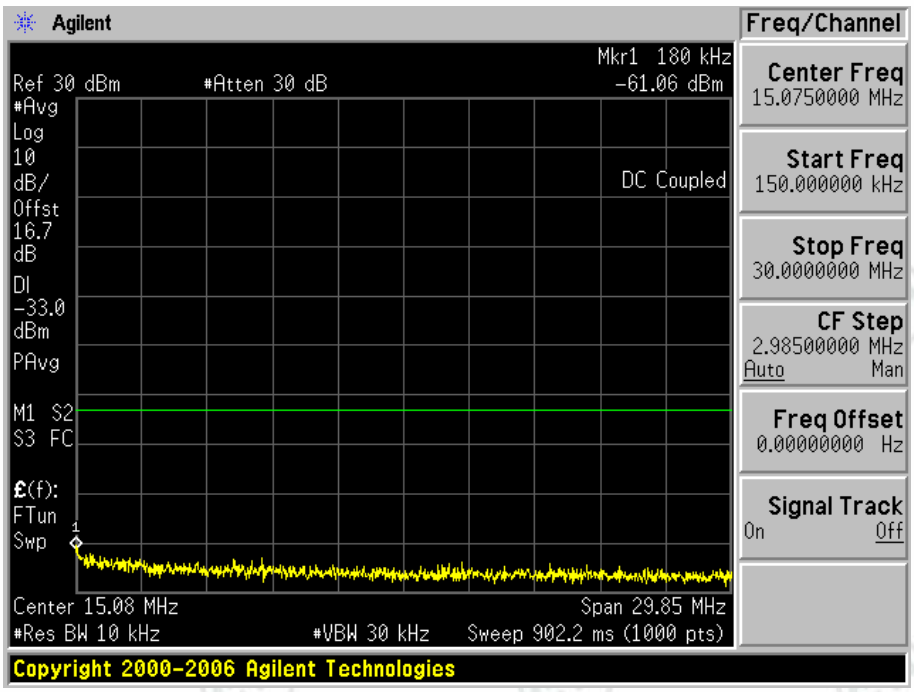

Agilent
Freq/Channel
Mkr1 4.202 GHz
Ref 30 dBm
#Atten 40 dB
-23.46 dBm
#Avg
Log
10
dB/
Offst
14.9
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
5.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
9.00000000 GHz
CF Step
800.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 5.000 GHz
Span 8 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 24.38 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

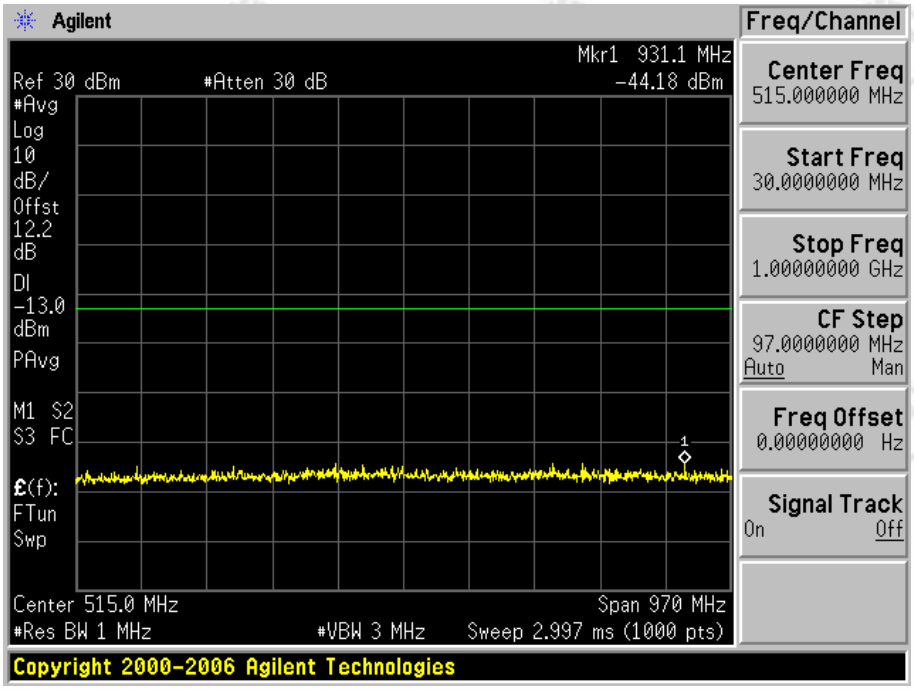
1.2 Test Band=WCDMA1900

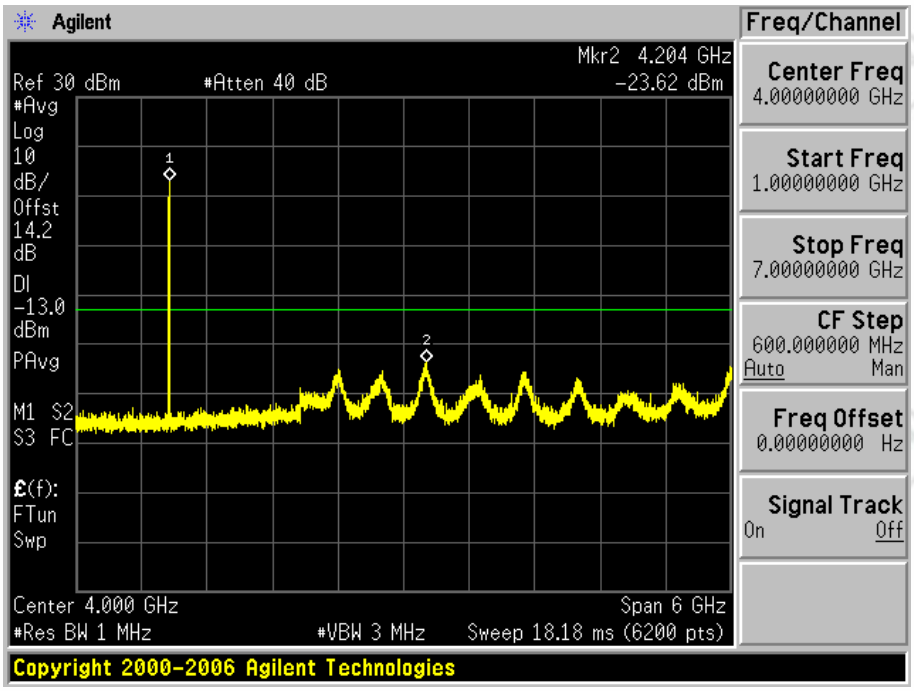
1.2.1 Test Mode=UMTS/TM1

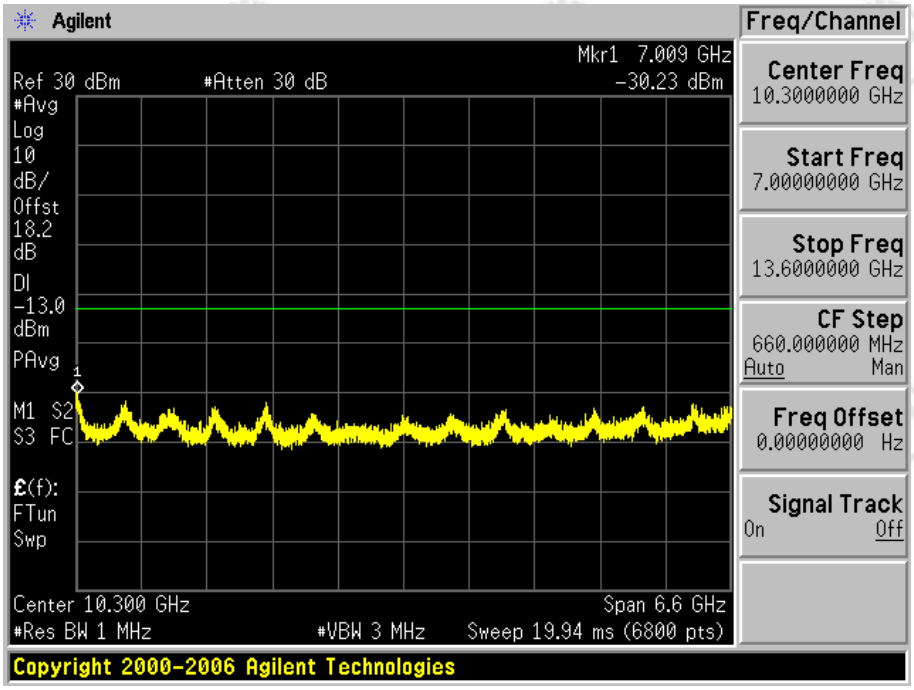
1.2.1.1 Test Channel=LCH

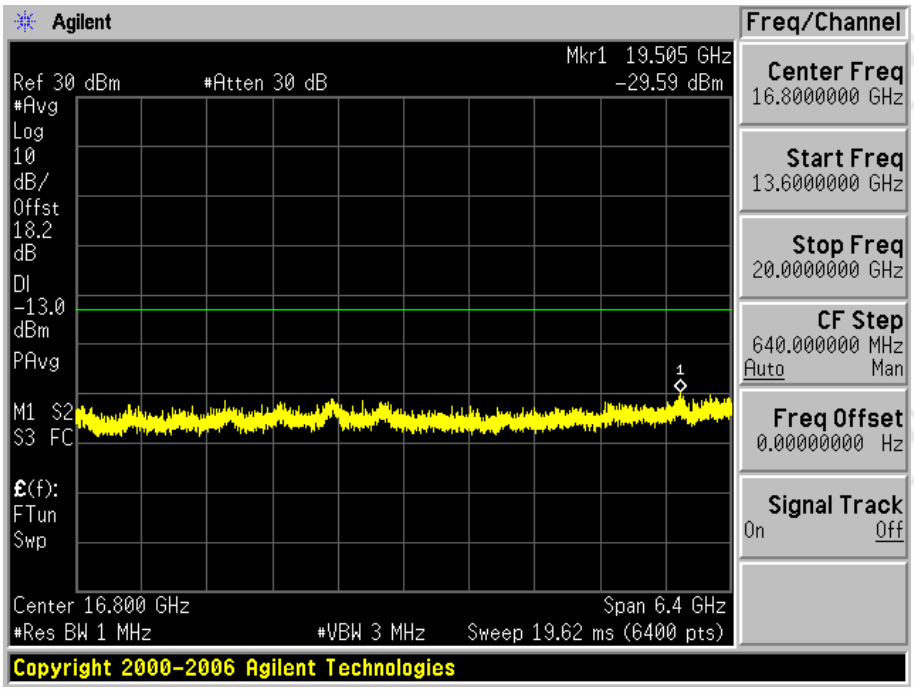




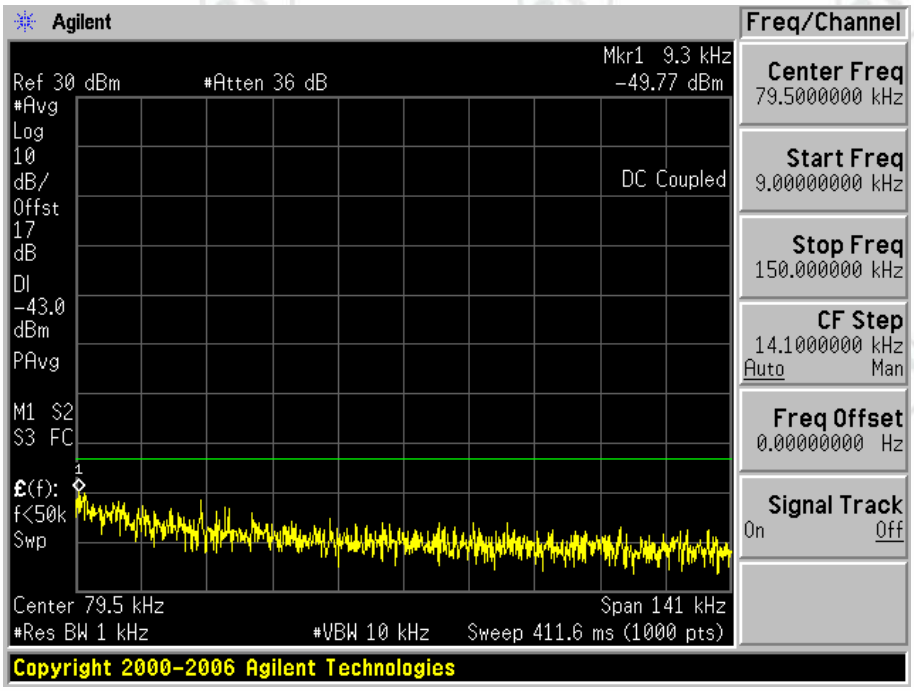

Agilent
Freq/Channel
Mkr1 931.1 MHz
Ref 30 dBm
#Atten 30 dB
-44.18 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

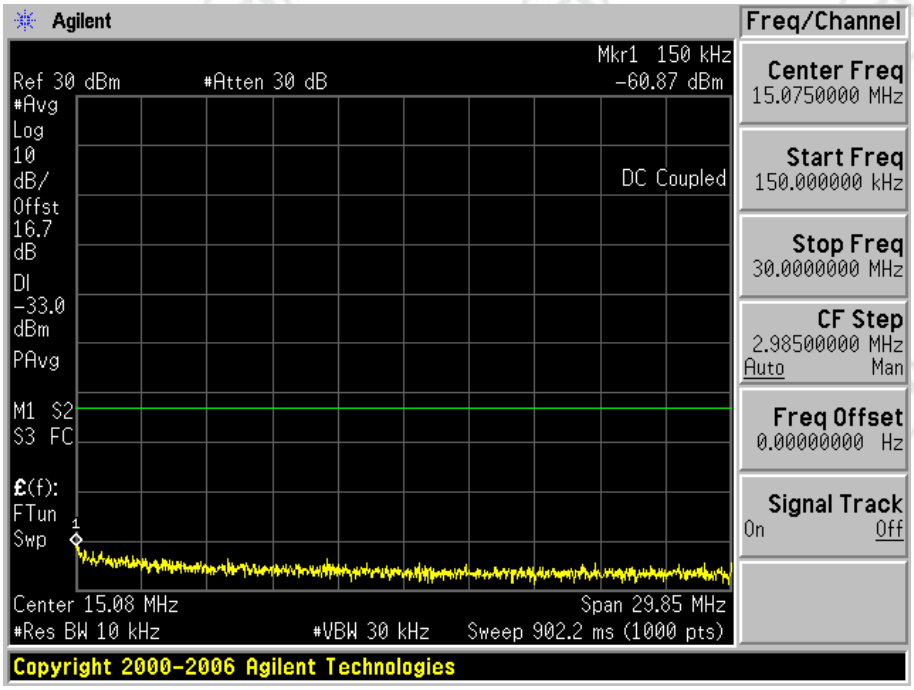

Agilent
Freq/Channel
Mkr2 4.204 GHz
Ref 30 dBm
#Atten 40 dB
-23.62 dBm
#Avg
Log
10
dB/
Offst
14.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

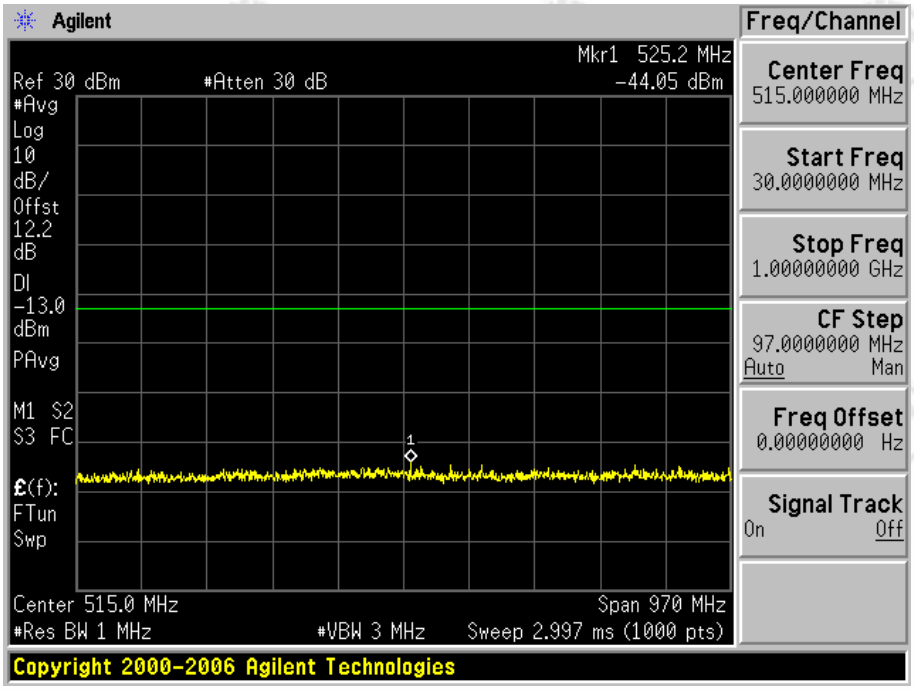

Agilent
Freq/Channel
Mkr1 7.009 GHz
Ref 30 dBm
#Atten 30 dB
-30.23 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

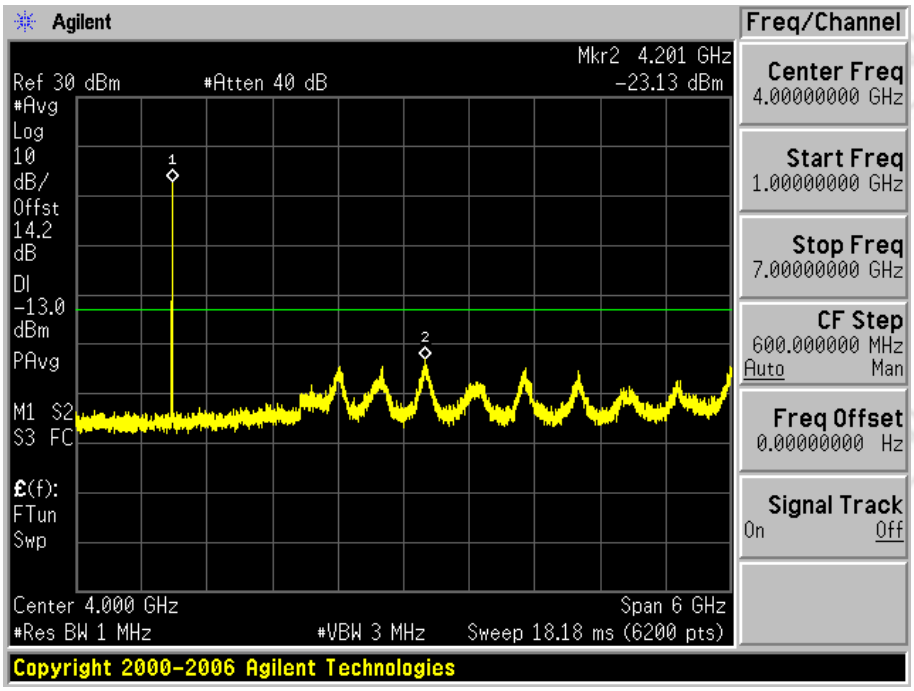

Agilent
Freq/Channel
Mkr1 19.505 GHz
Ref 30 dBm
#Atten 30 dB
-29.59 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

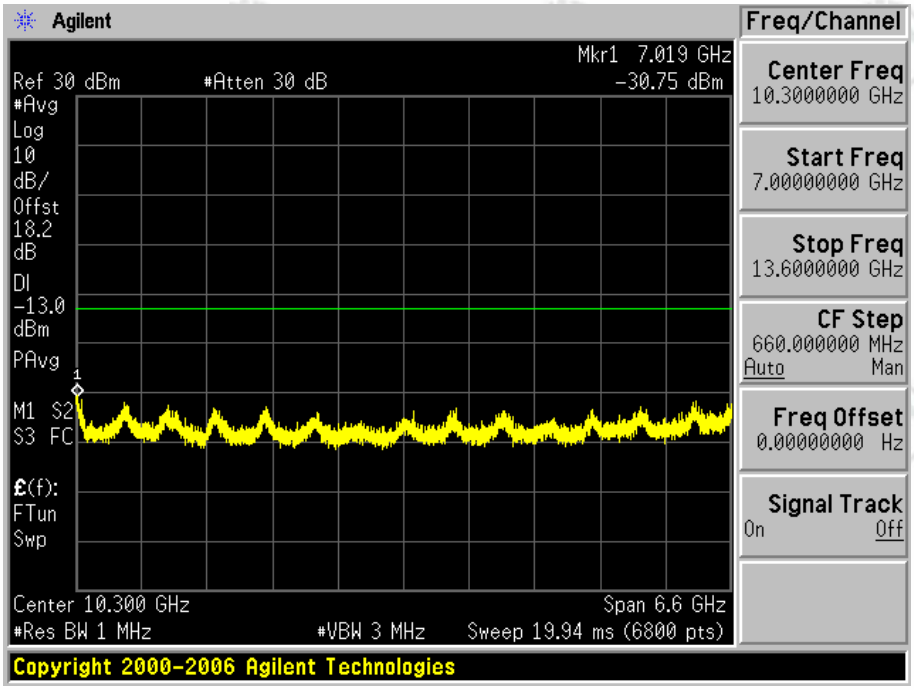
1.2.1.2 Test Channel=MCH

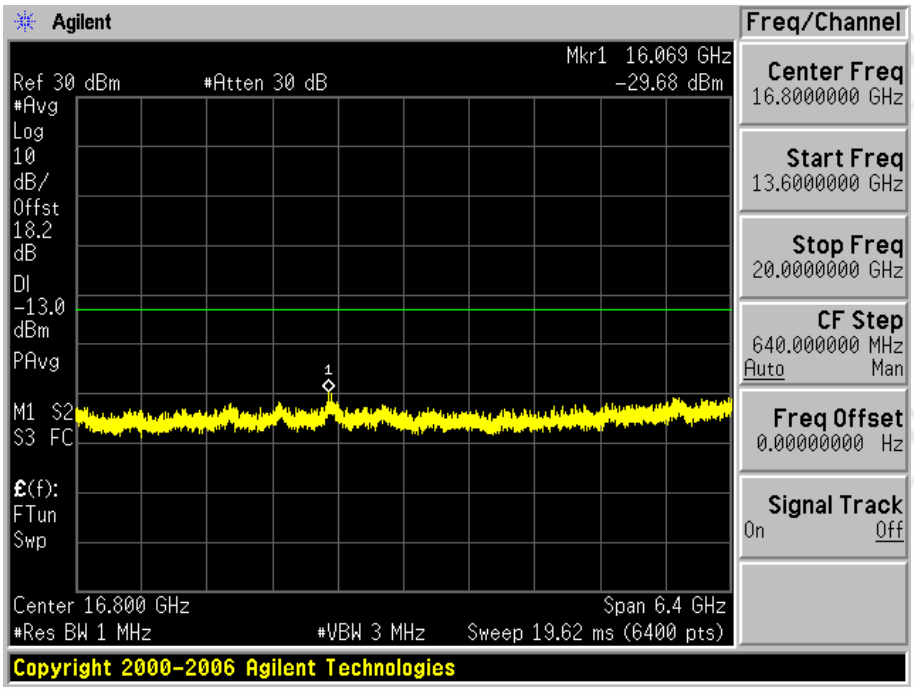




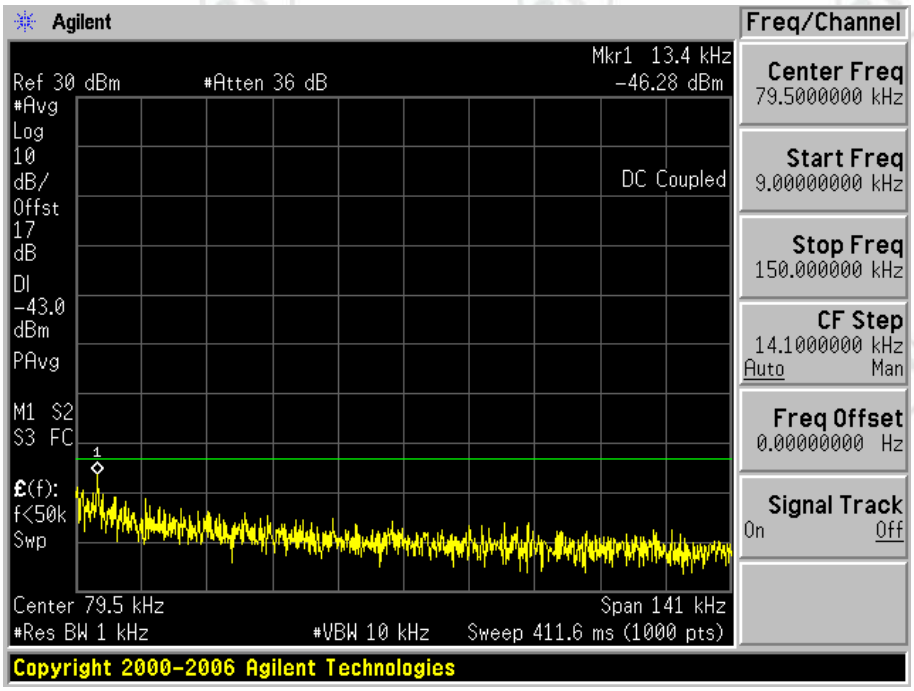

Agilent
Freq/Channel
Mkr1 525.2 MHz
Ref 30 dBm
#Atten 30 dB
-44.05 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

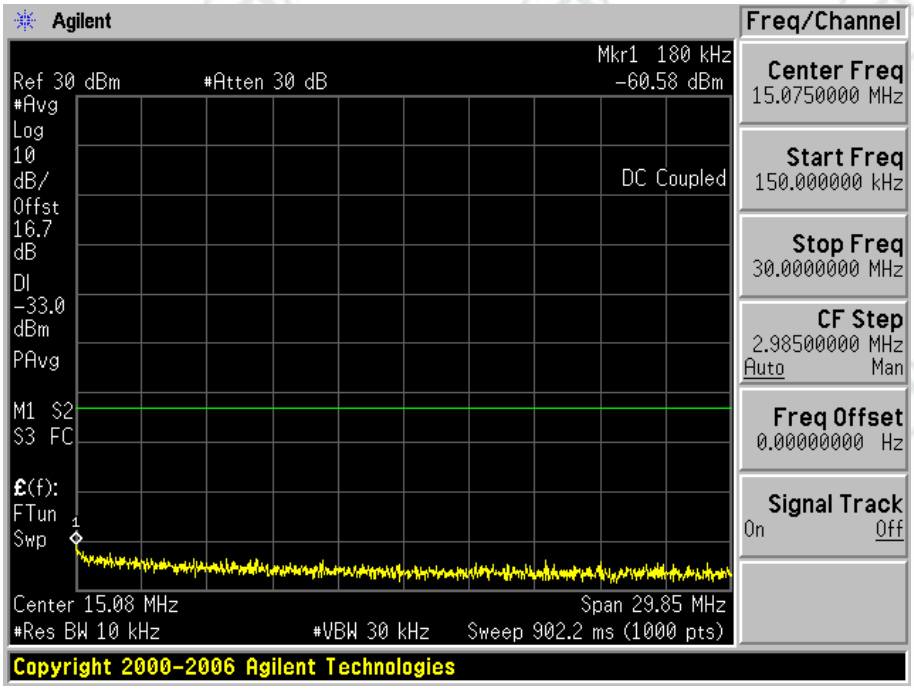

Agilent
Freq/Channel
Mkr2 4.201 GHz
Ref 30 dBm
#Atten 40 dB
-23.13 dBm
#Avg
Log
10
dB/
Offst
14.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

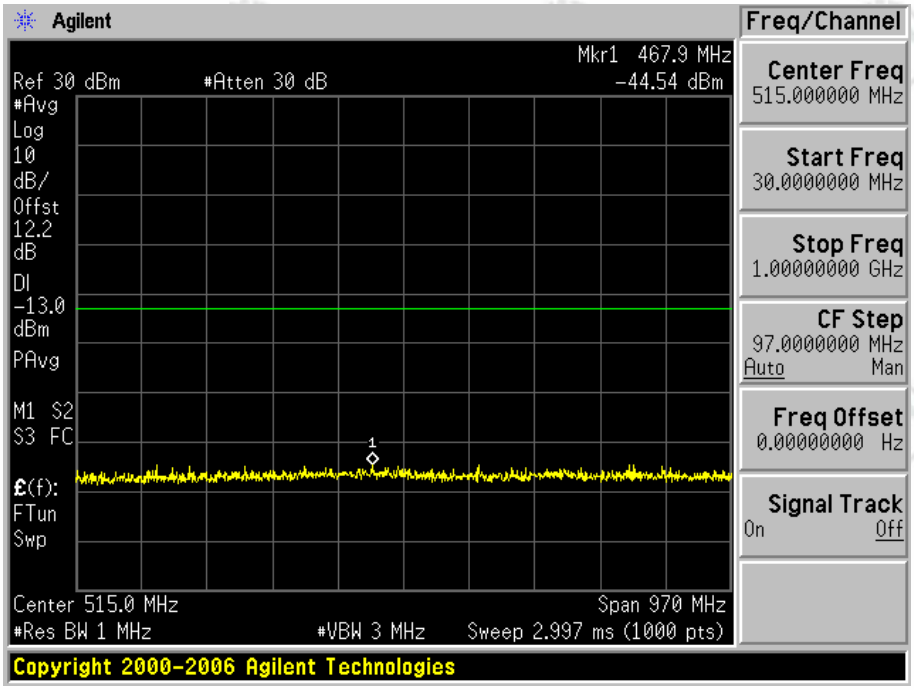

Agilent
Freq/Channel
Mkr1 7.019 GHz
Ref 30 dBm
#Atten 30 dB
-30.75 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

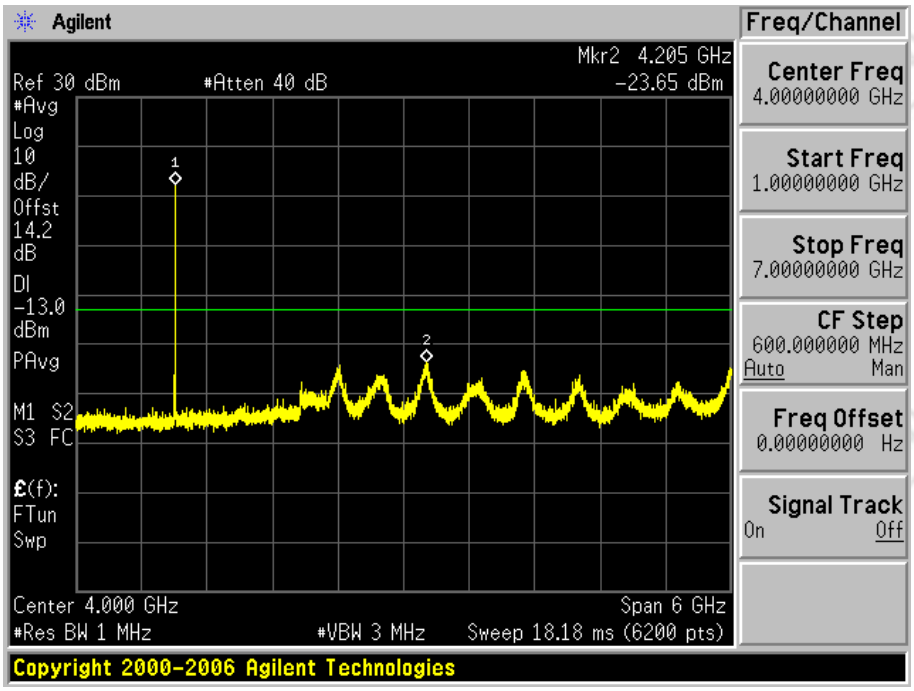

Agilent
Freq/Channel
Mkr1 16.069 GHz
Ref 30 dBm
#Atten 30 dB
-29.68 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

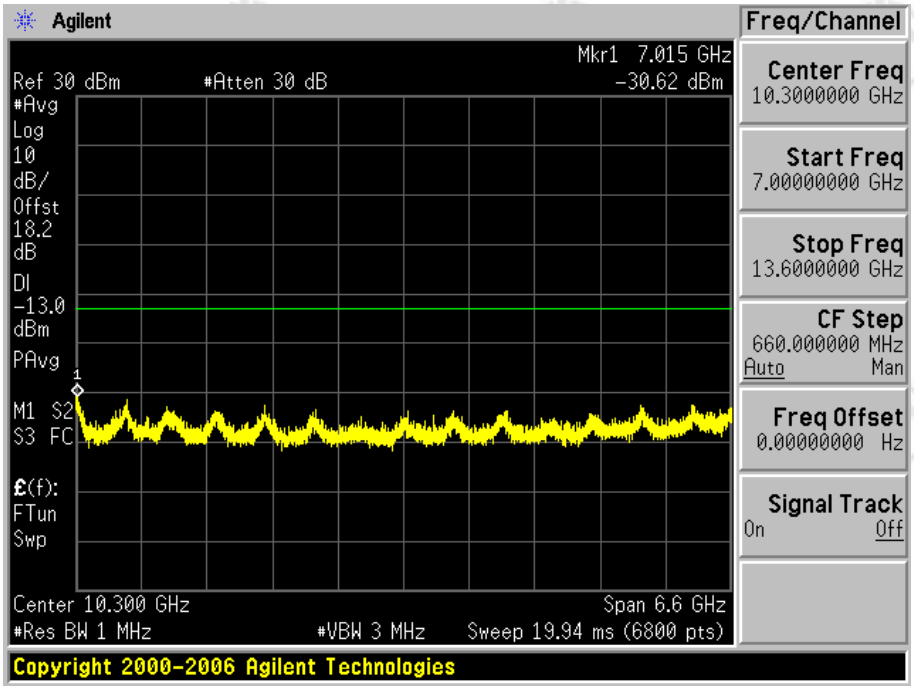
1.2.1.3 Test Channel=HCH

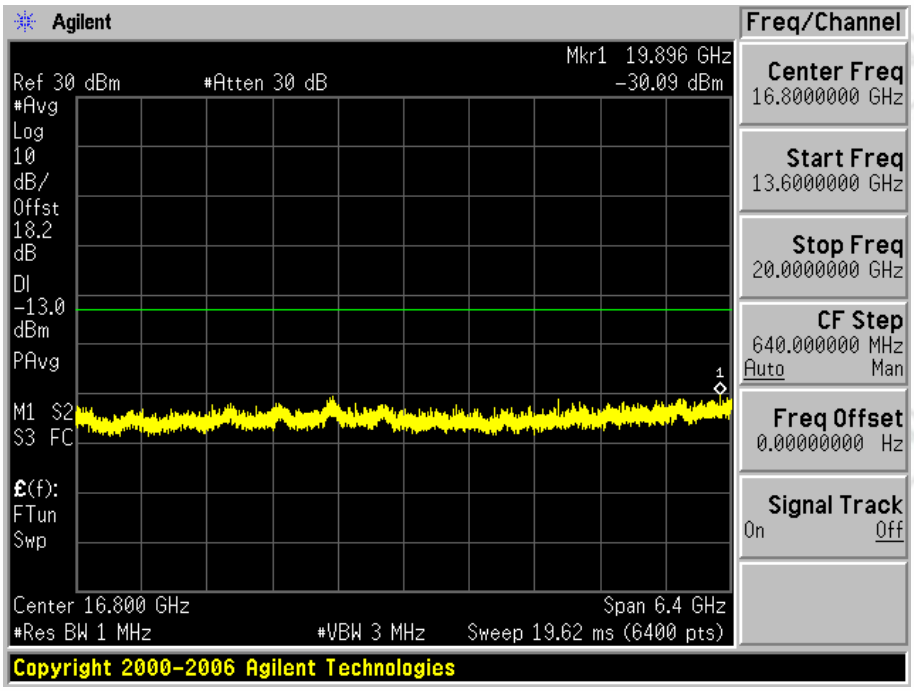





Agilent
Freq/Channel
Mkr1 467.9 MHz
Ref 30 dBm
#Atten 30 dB
-44.54 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

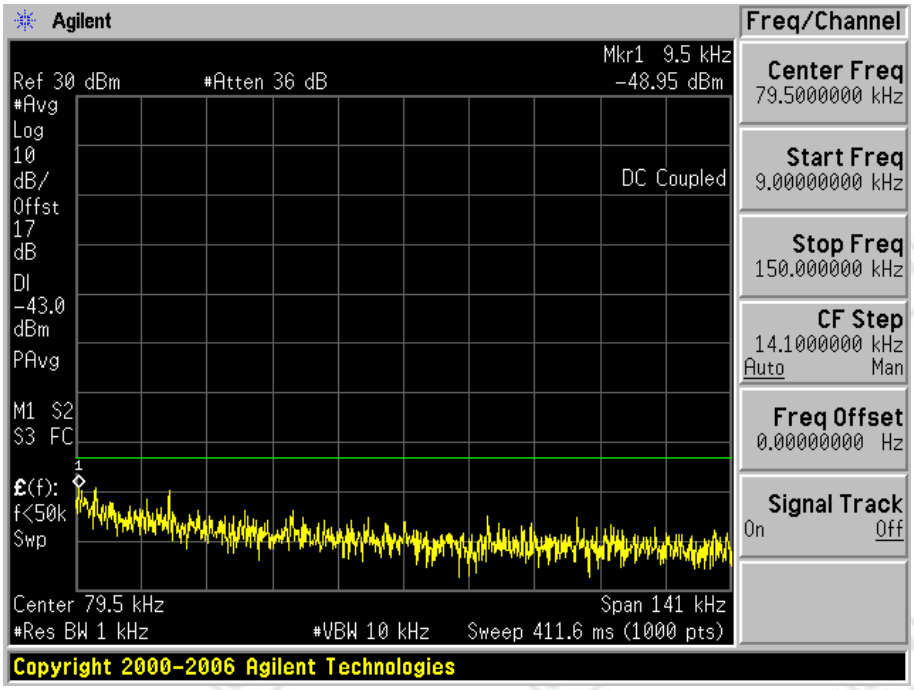

Agilent
Freq/Channel
Mkr2 4.205 GHz
Ref 30 dBm
#Atten 40 dB
-23.65 dBm
#Avg
Log
10
dB/
Offst
14.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

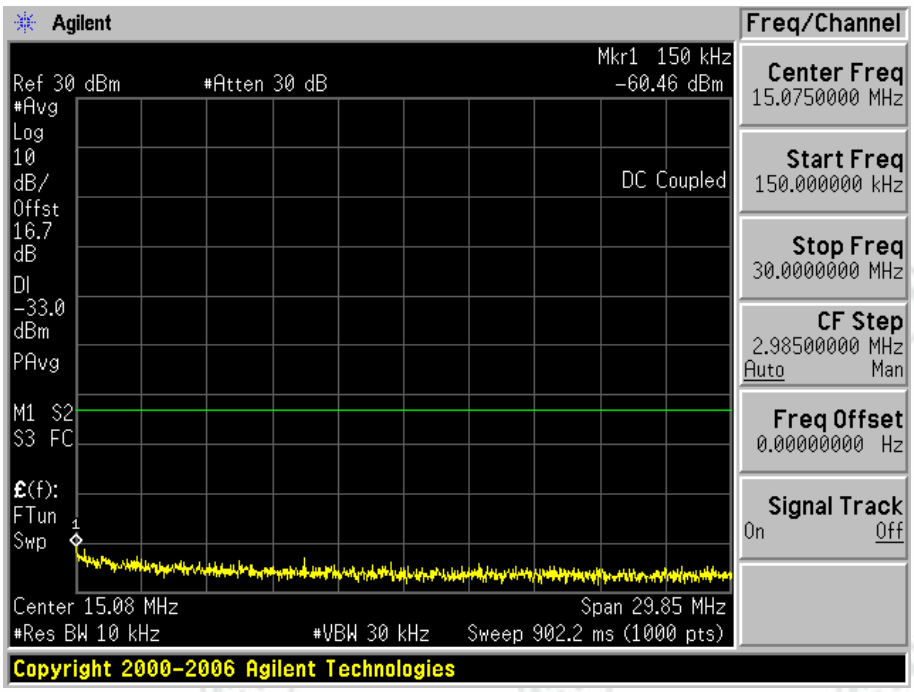

Agilent
Freq/Channel
Mkr1 7.015 GHz
Ref 30 dBm
#Atten 30 dB
-30.62 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

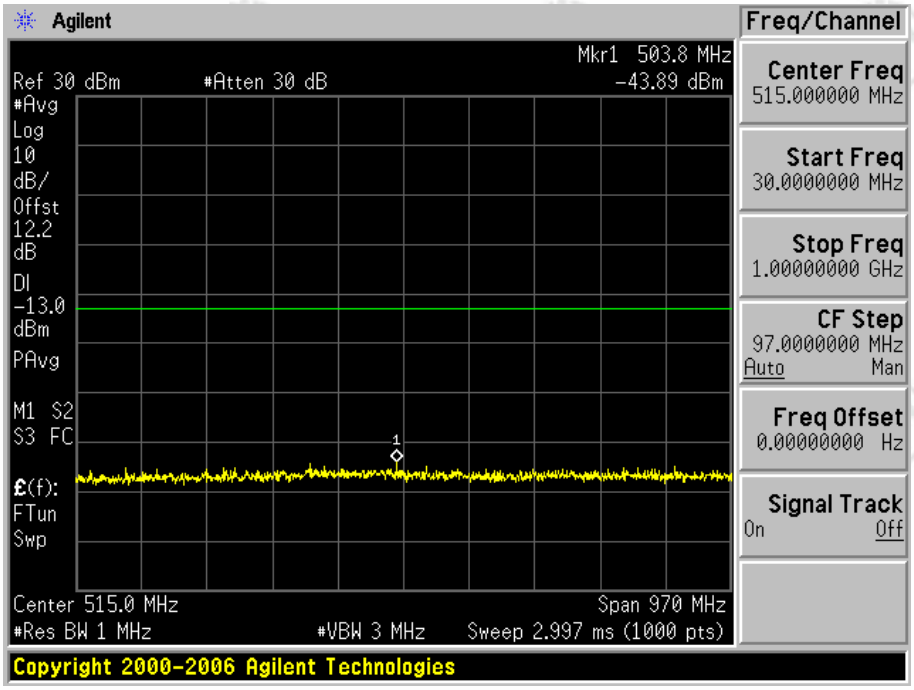

Agilent
Freq/Channel
Mkr1 19.896 GHz
Ref 30 dBm
#Atten 30 dB
-30.09 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

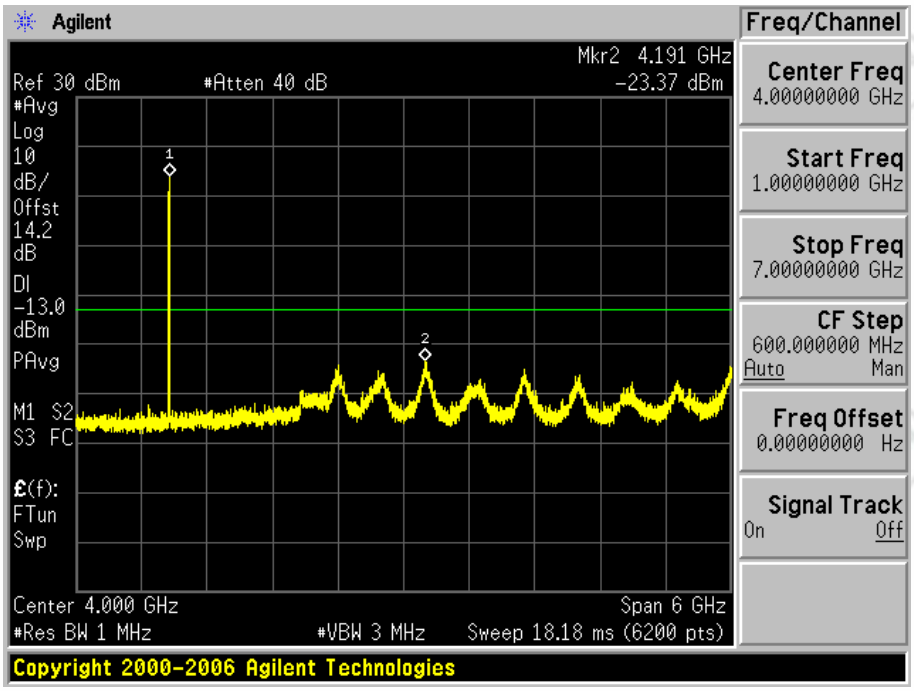
1.2.2 Test Mode=UMTS/TM2

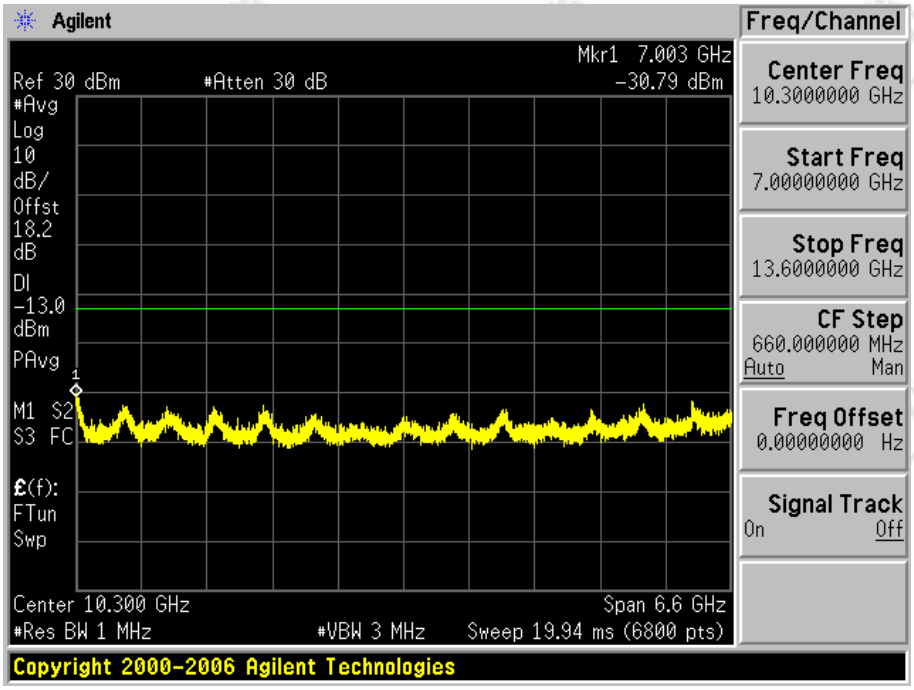
1.2.2.1 Test Channel=LCH

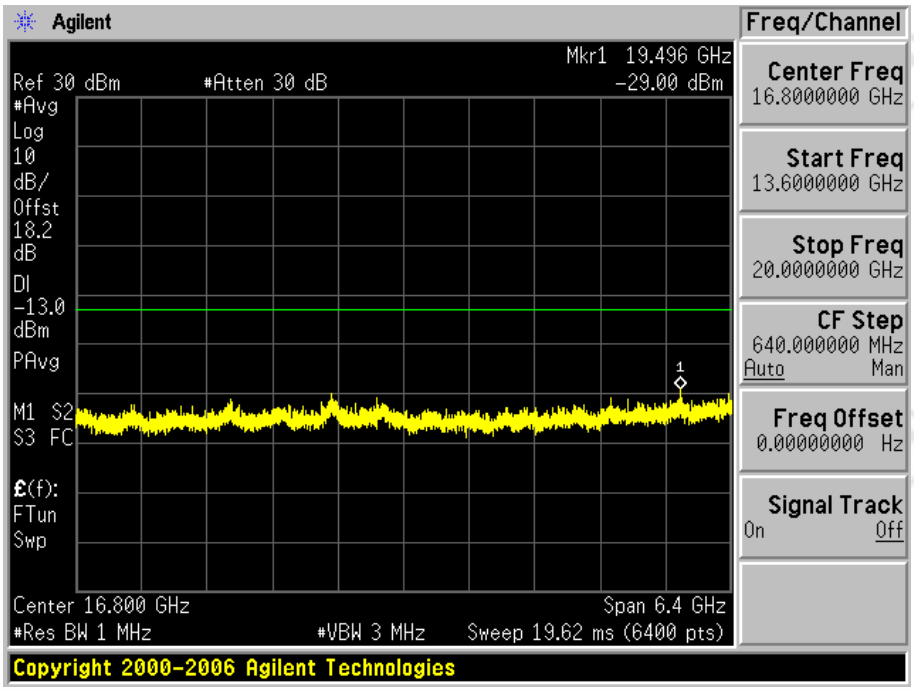




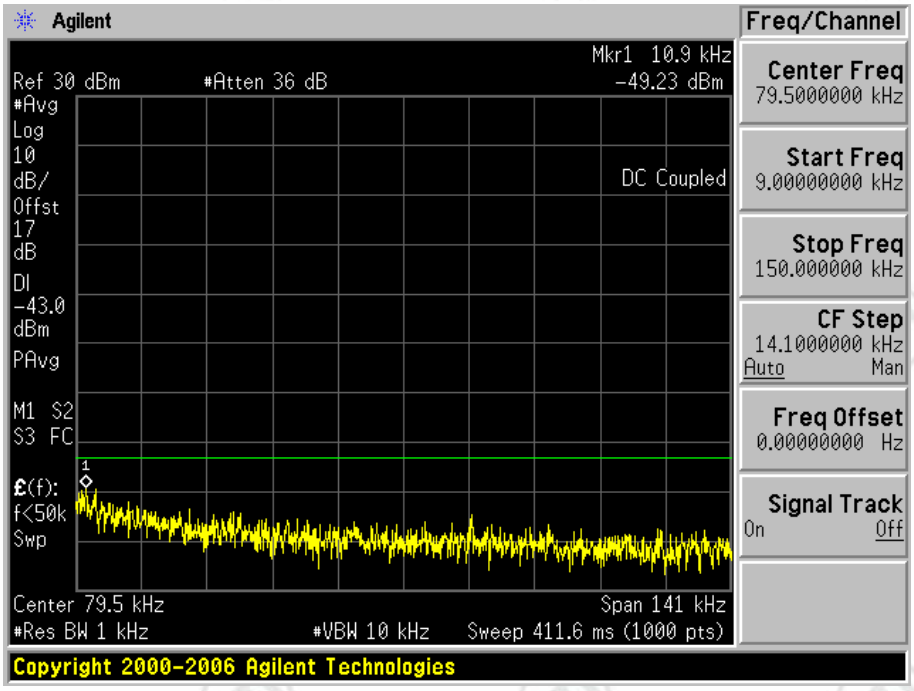

Agilent
Freq/Channel
Mkr1 503.8 MHz
Ref 30 dBm
#Atten 30 dB
-43.89 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

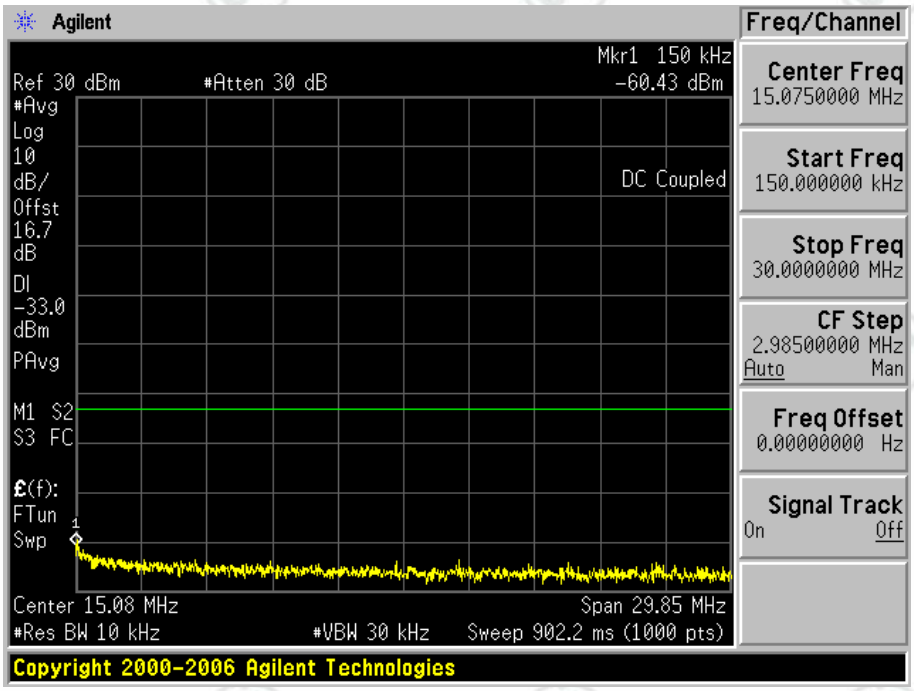

Agilent
Freq/Channel
Mkr2 4.191 GHz
Ref 30 dBm
#Atten 40 dB
-23.37 dBm
#Avg
Log
10
dB/
Offst
14.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

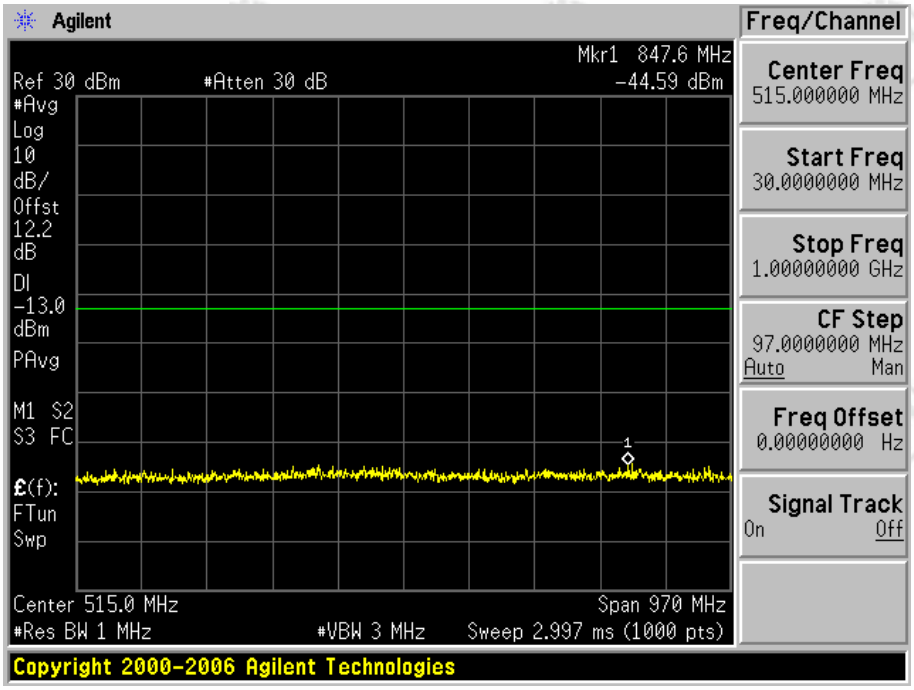

Agilent
Freq/Channel
Mkr1 7.003 GHz
Ref 30 dBm
#Atten 30 dB
-30.79 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

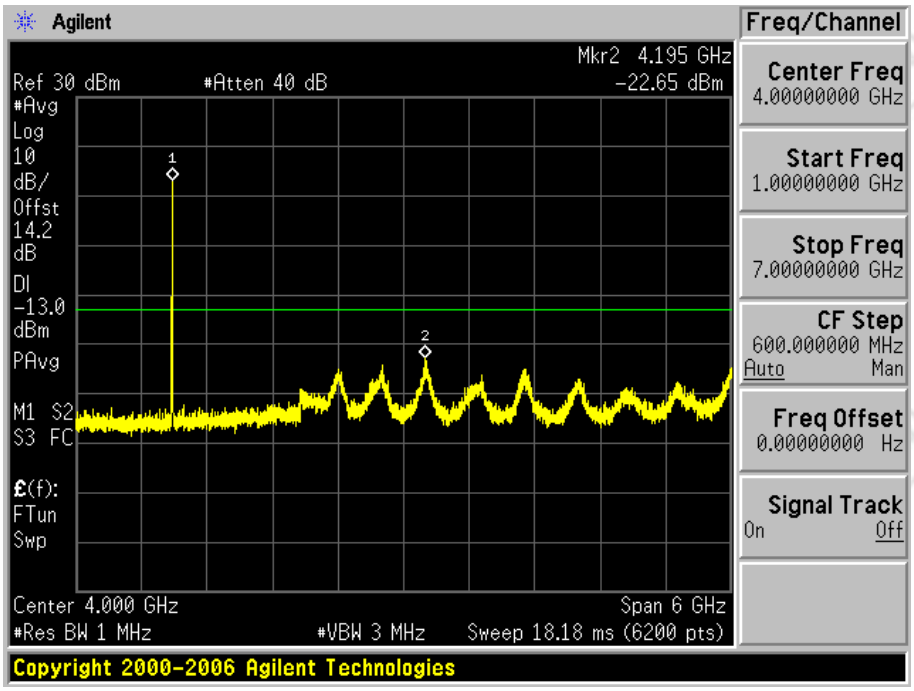

Agilent
Freq/Channel
Mkr1 19.496 GHz
Ref 30 dBm
#Atten 30 dB
-29.00 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

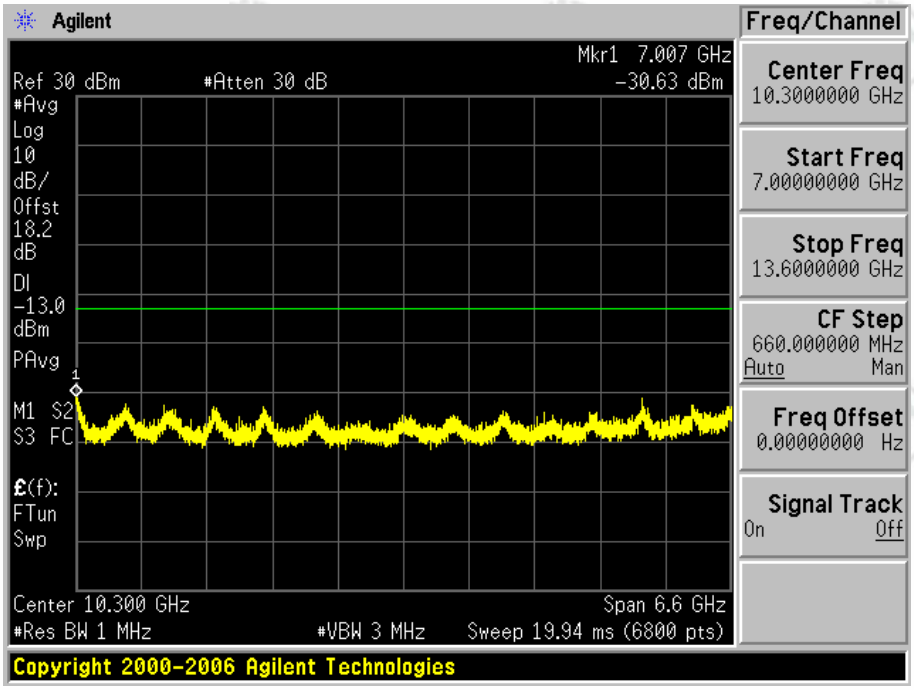
1.2.2.2 Test Channel=MCH

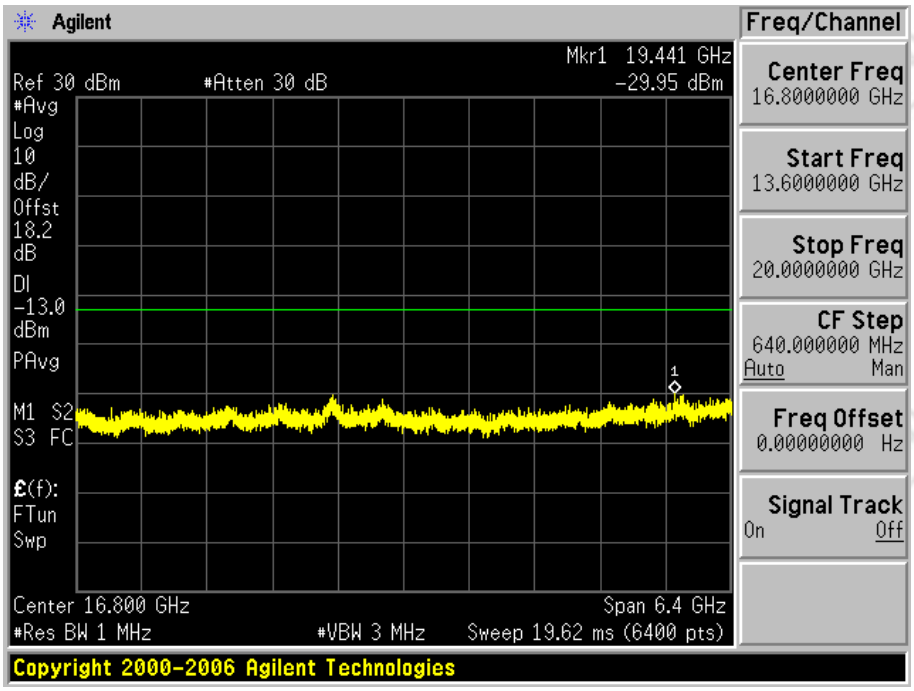




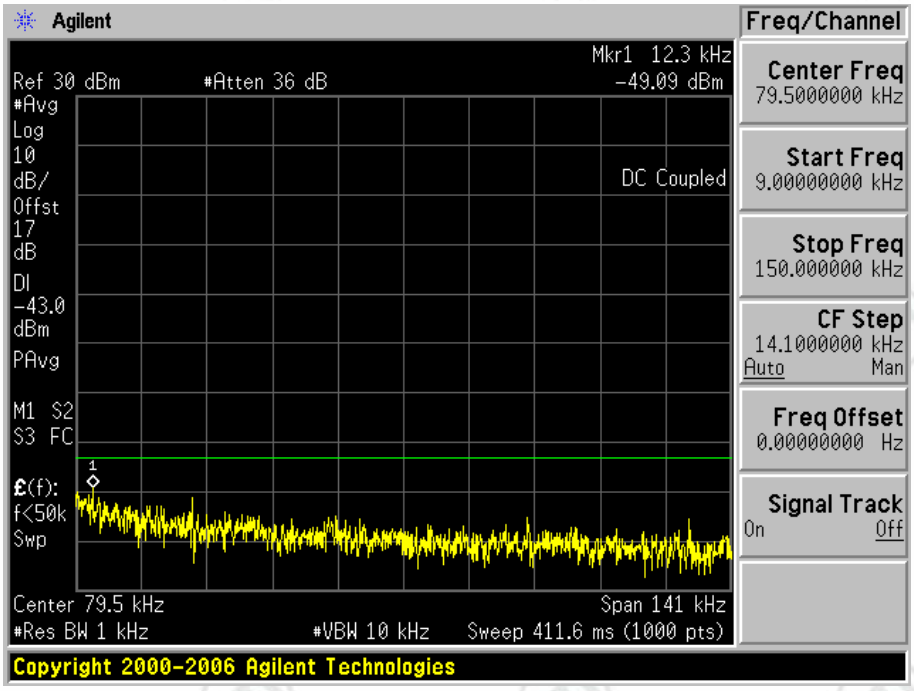

Agilent
Freq/Channel
Mkr1 847.6 MHz
Ref 30 dBm
#Atten 30 dB
-44.59 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

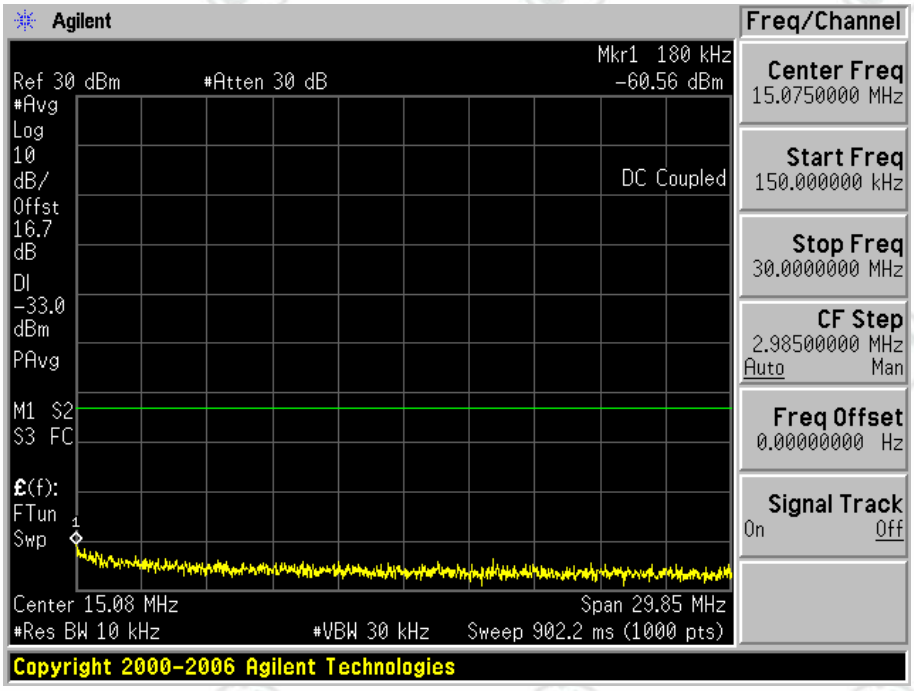

Agilent
Freq/Channel
Mkr2 4.195 GHz
Ref 30 dBm
#Atten 40 dB
-22.65 dBm
#Avg
Log
10
dB/
Offst
14.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

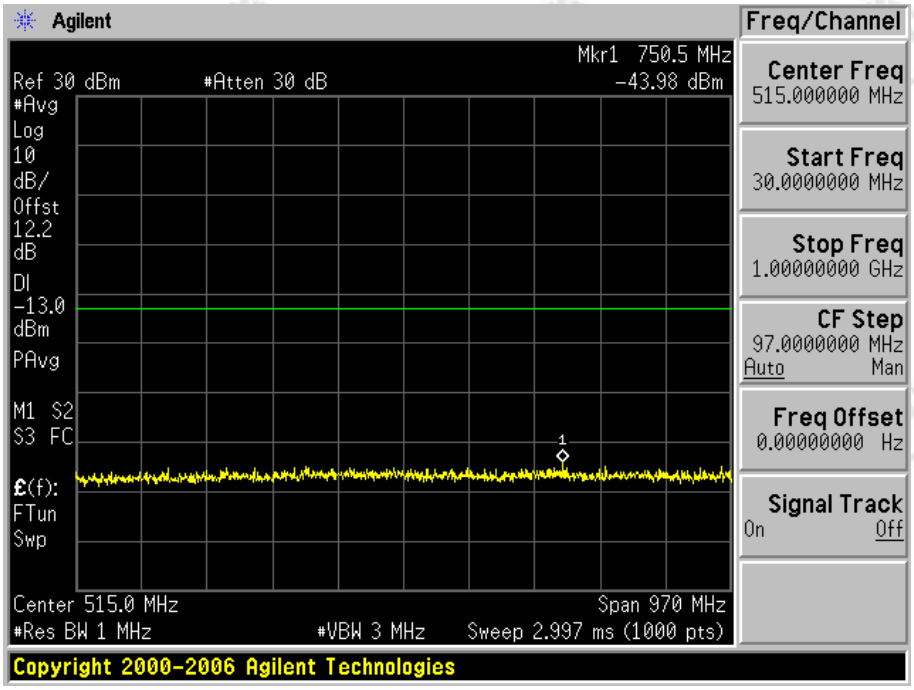

Agilent
Freq/Channel
Mkr1 7.007 GHz
Ref 30 dBm
#Atten 30 dB
-30.63 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

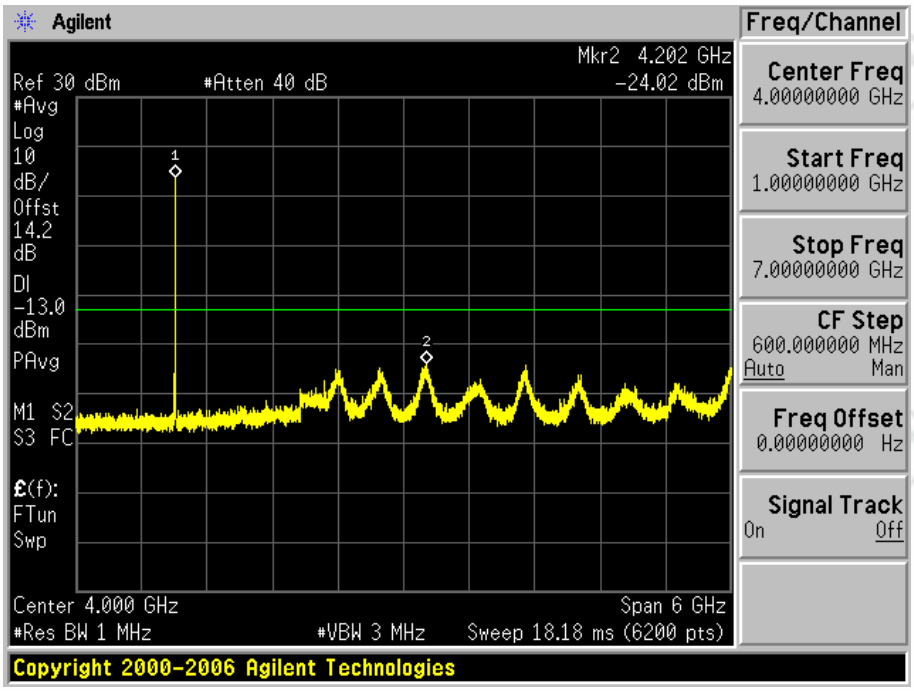

Agilent
Freq/Channel
Mkr1 19.441 GHz
Ref 30 dBm
#Atten 30 dB
-29.95 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

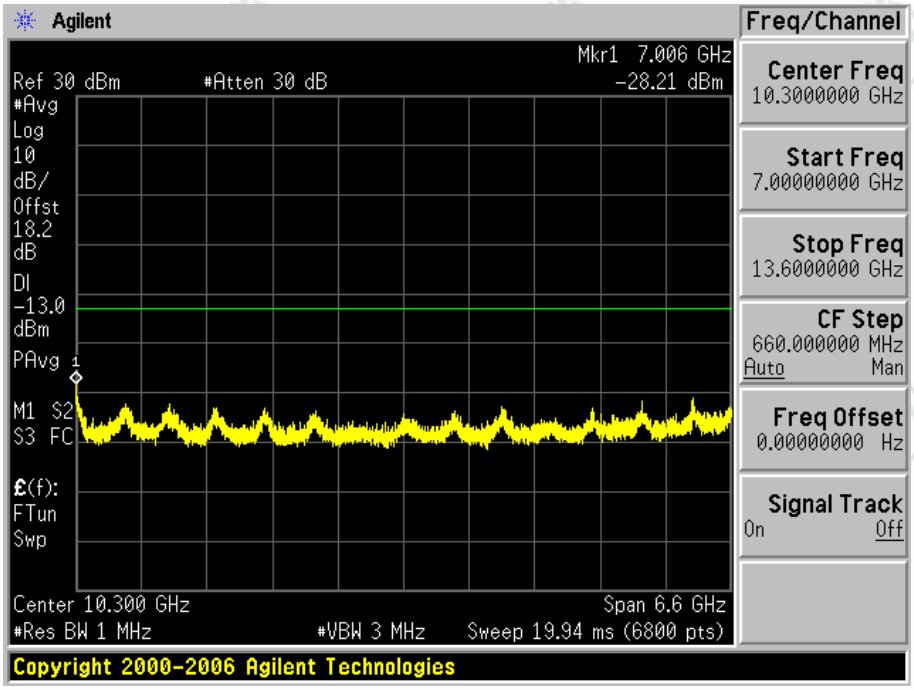
1.2.2.3 Test Channel=HCH

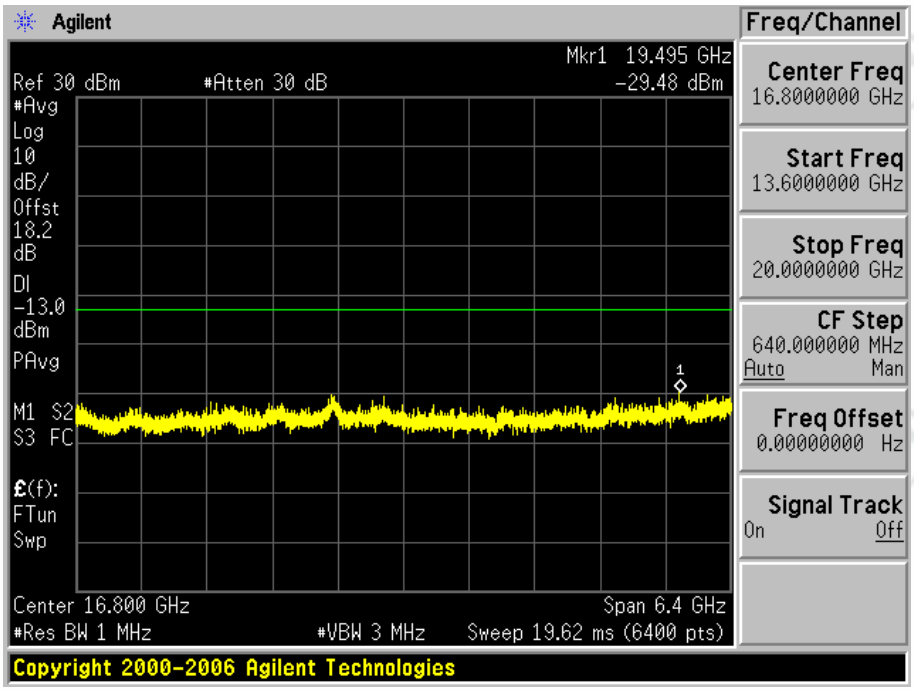





Agilent
Freq/Channel
Mkr1 750.5 MHz
Ref 30 dBm
#Atten 30 dB
-43.98 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

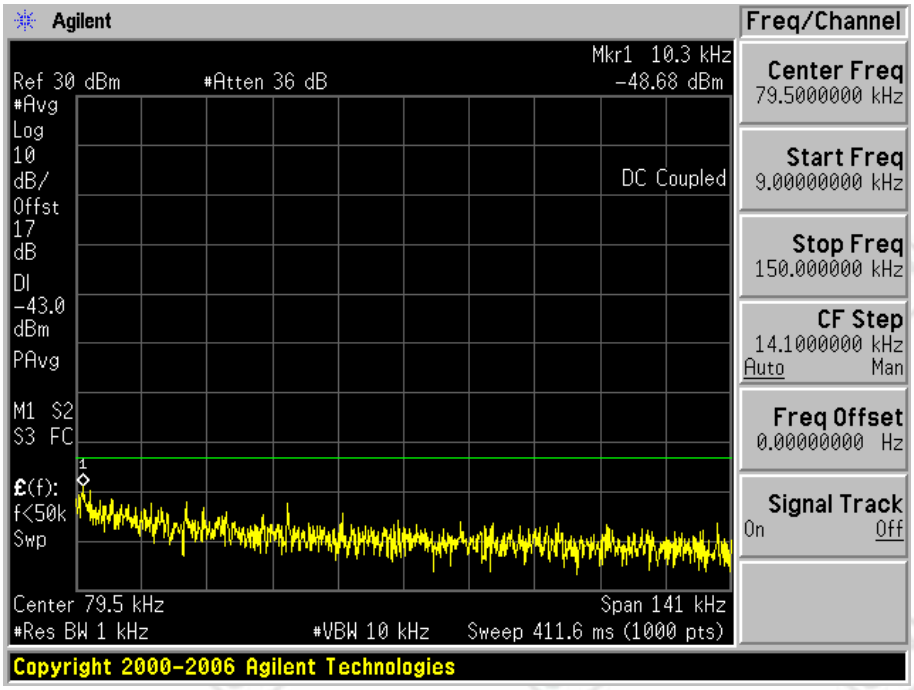

Agilent
Freq/Channel
Mkr2 4.202 GHz
Ref 30 dBm
#Atten 40 dB
-24.02 dBm
#Avg
Log
10
dB/
Offst
14.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

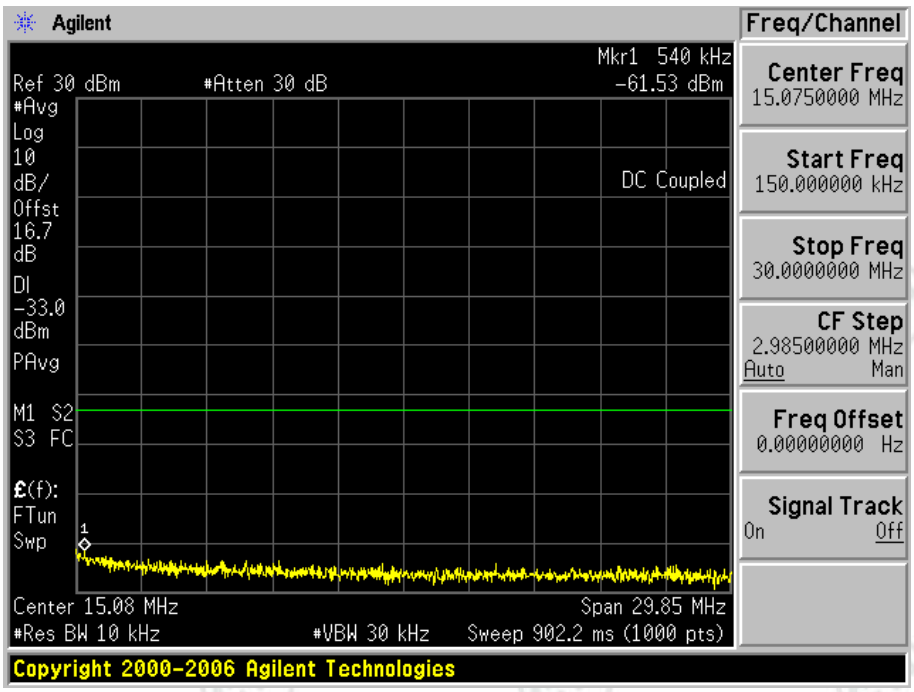

Agilent
Freq/Channel
Mkr1 7.006 GHz
Ref 30 dBm
#Atten 30 dB
-28.21 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

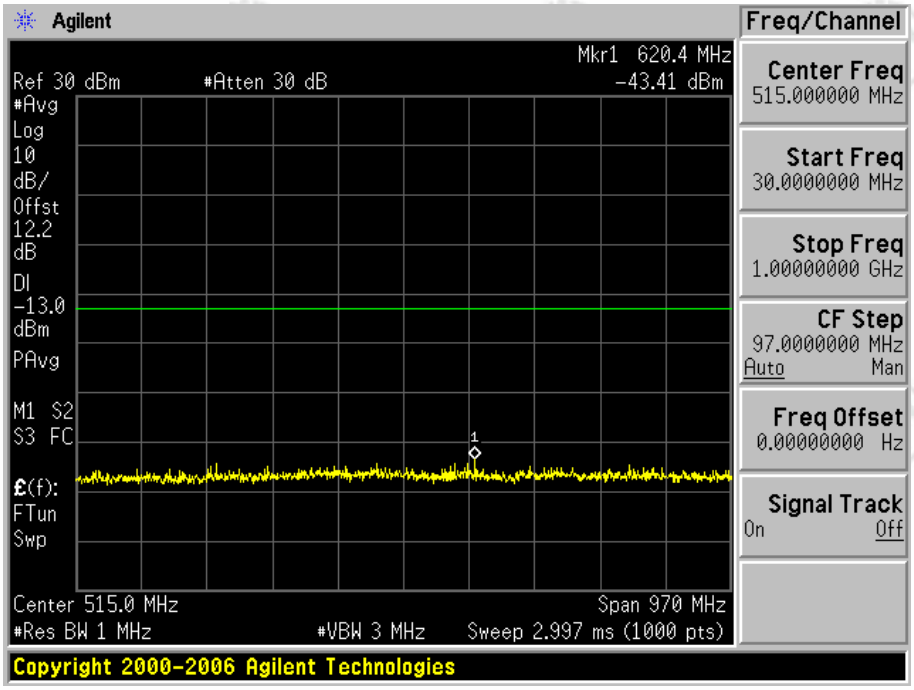

Agilent
Freq/Channel
Mkr1 19.495 GHz
Ref 30 dBm
#Atten 30 dB
-29.48 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

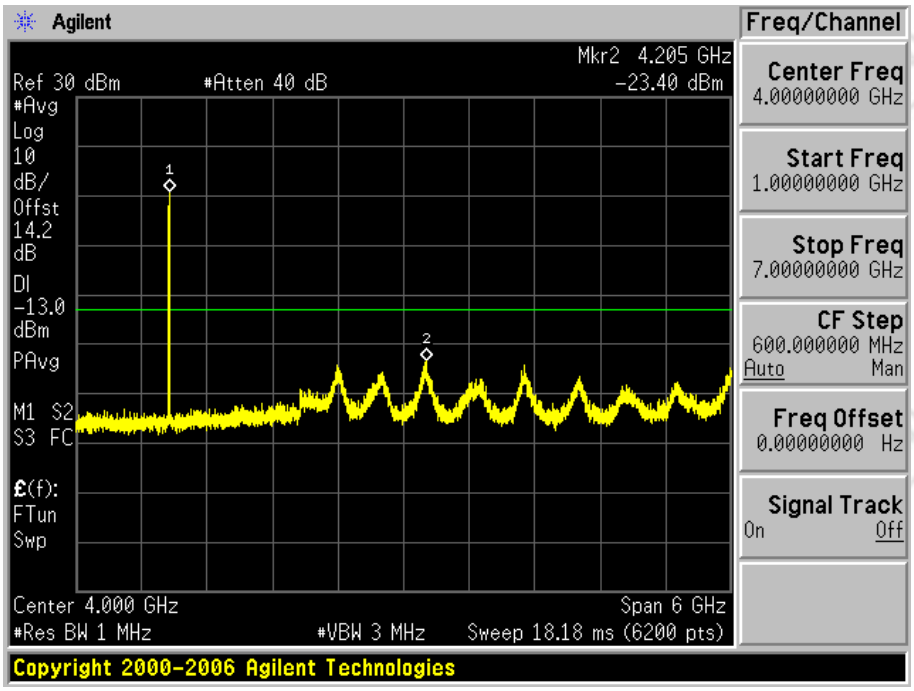
1.2.3 Test Mode=UMTS/TM3

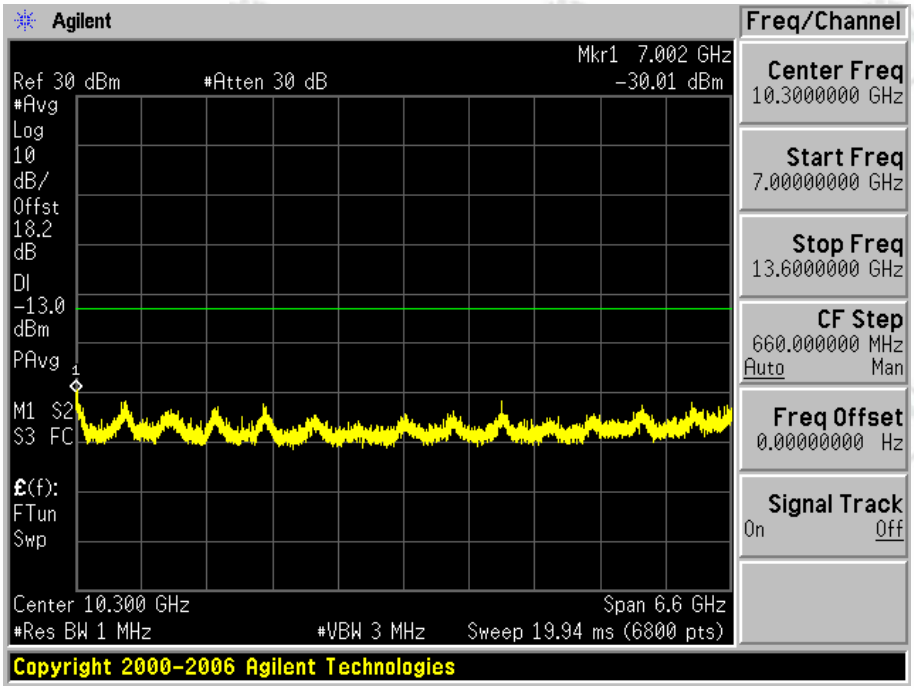
1.2.3.1 Test Channel=LCH

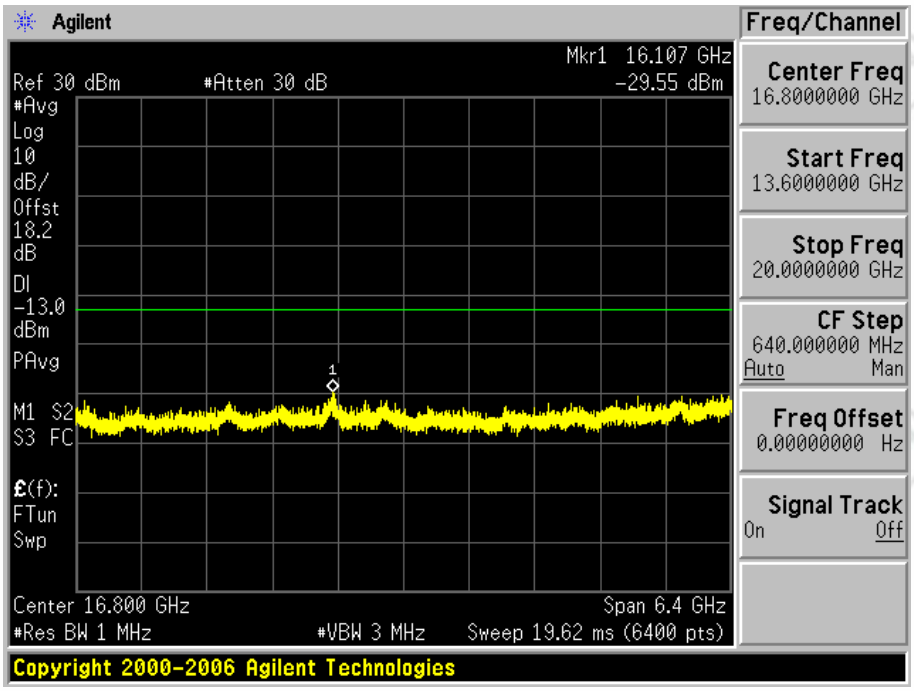




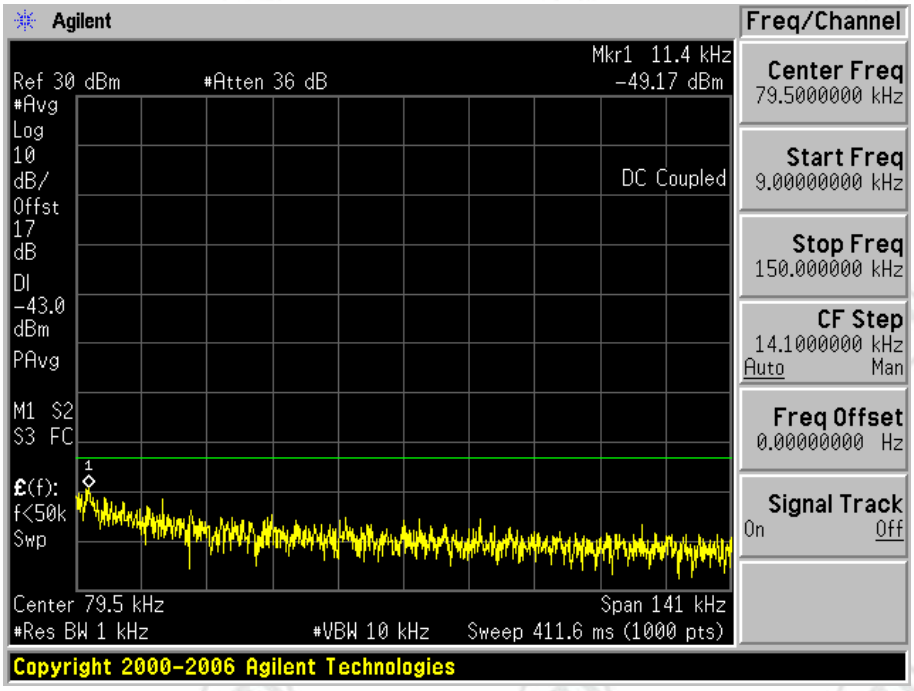

Agilent
Freq/Channel
Mkr1 620.4 MHz
Ref 30 dBm
#Atten 30 dB
-43.41 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

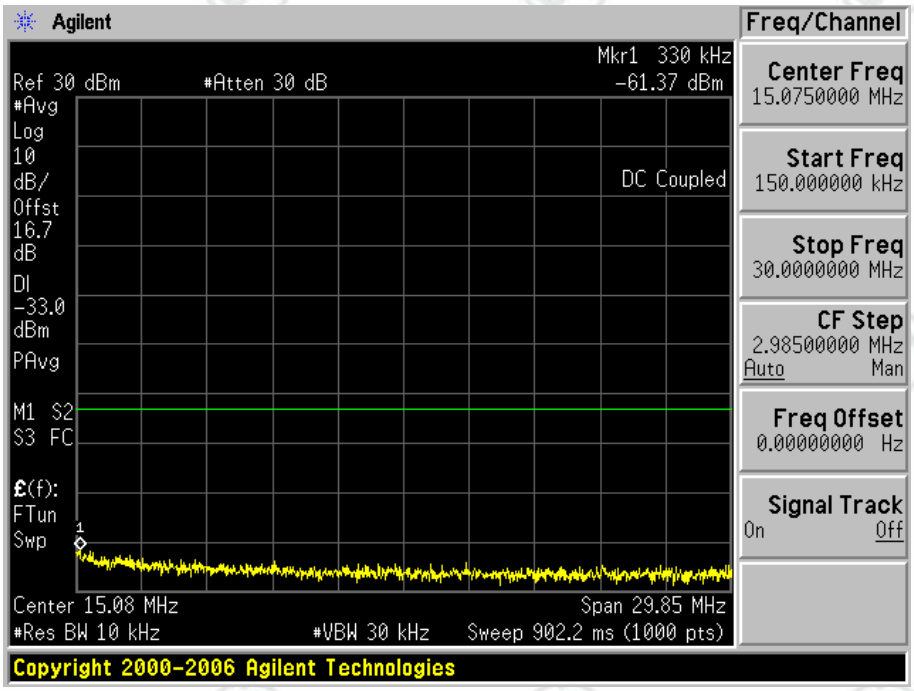

Agilent
Freq/Channel
Mkr2 4.205 GHz
Ref 30 dBm
#Atten 40 dB
-23.40 dBm
#Avg
Log
10
dB/
Offst
14.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

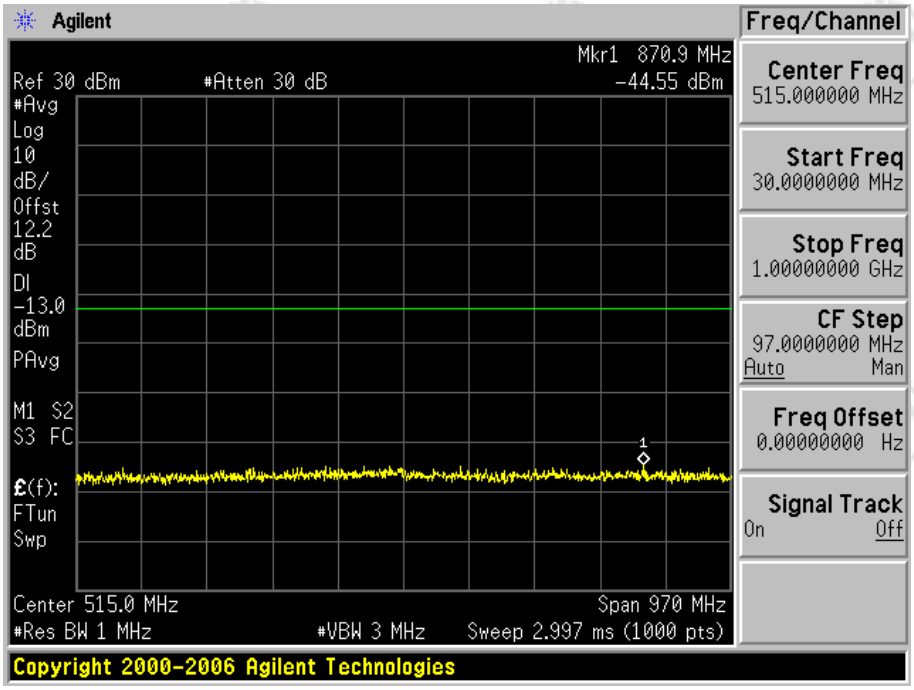

Agilent
Freq/Channel
Mkr1 7.002 GHz
Ref 30 dBm
#Atten 30 dB
-30.01 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

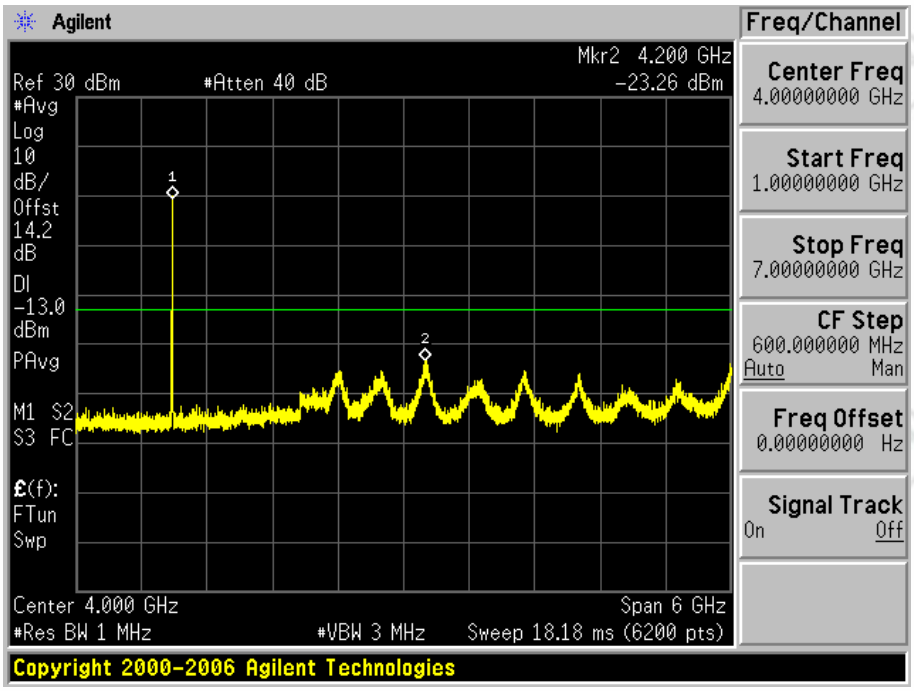

Agilent
Freq/Channel
Mkr1 16.107 GHz
Ref 30 dBm
#Atten 30 dB
-29.55 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

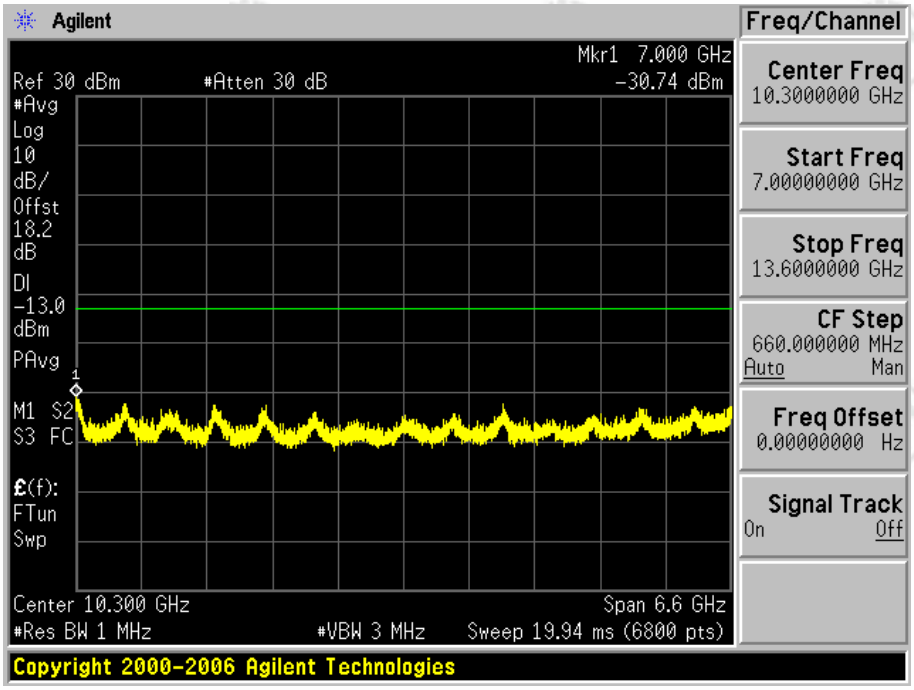
1.2.3.2 Test Channel=MCH

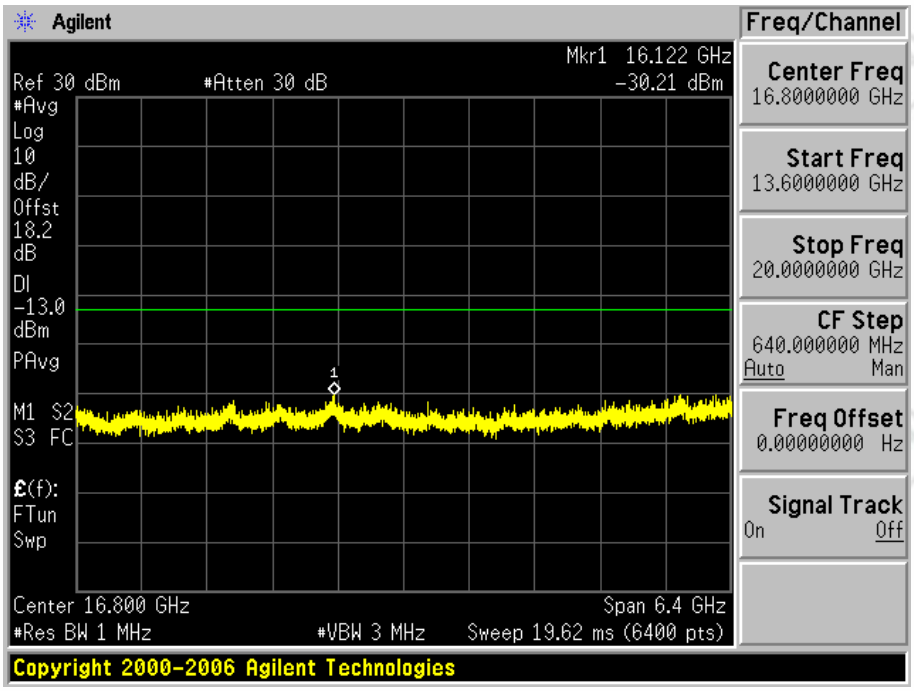




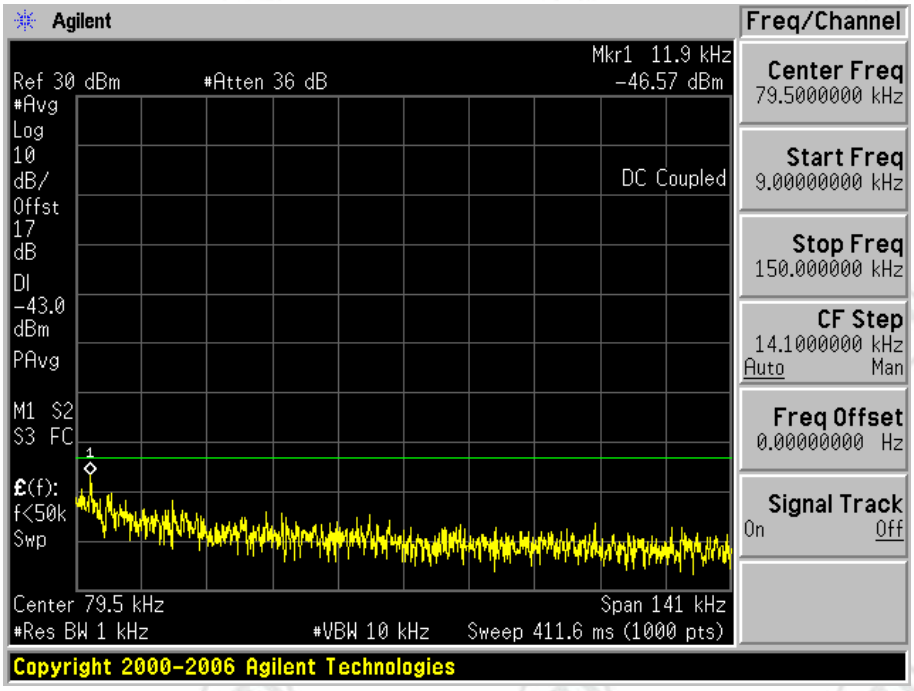

Agilent
Freq/Channel
Mkr1 870.9 MHz
Ref 30 dBm
#Atten 30 dB
-44.55 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies

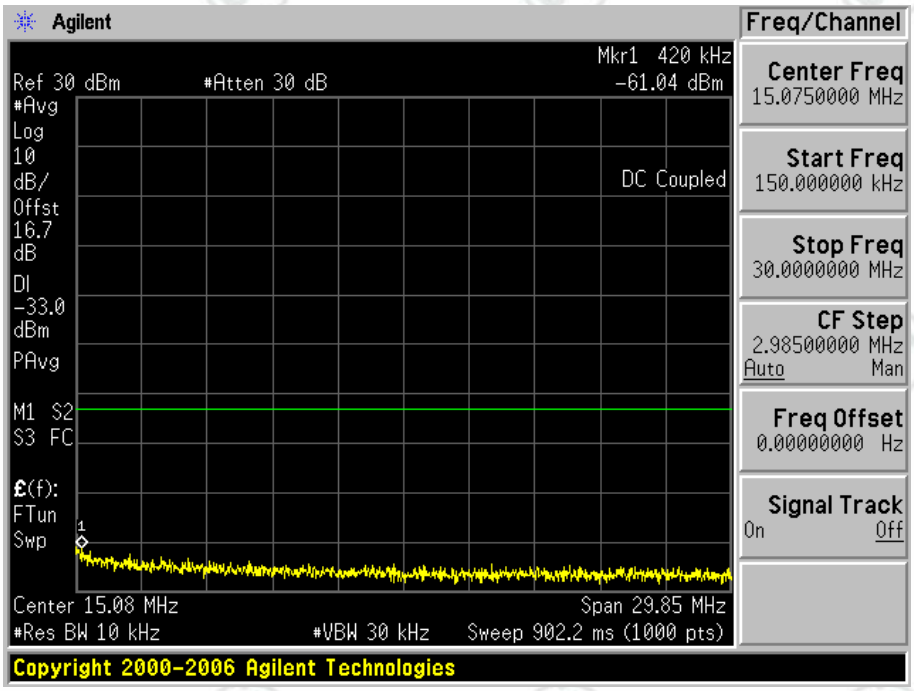

Agilent
Freq/Channel
Mkr2 4.200 GHz
Ref 30 dBm
#Atten 40 dB
-23.26 dBm
#Avg
Log
10
dB/
Offst
14.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies

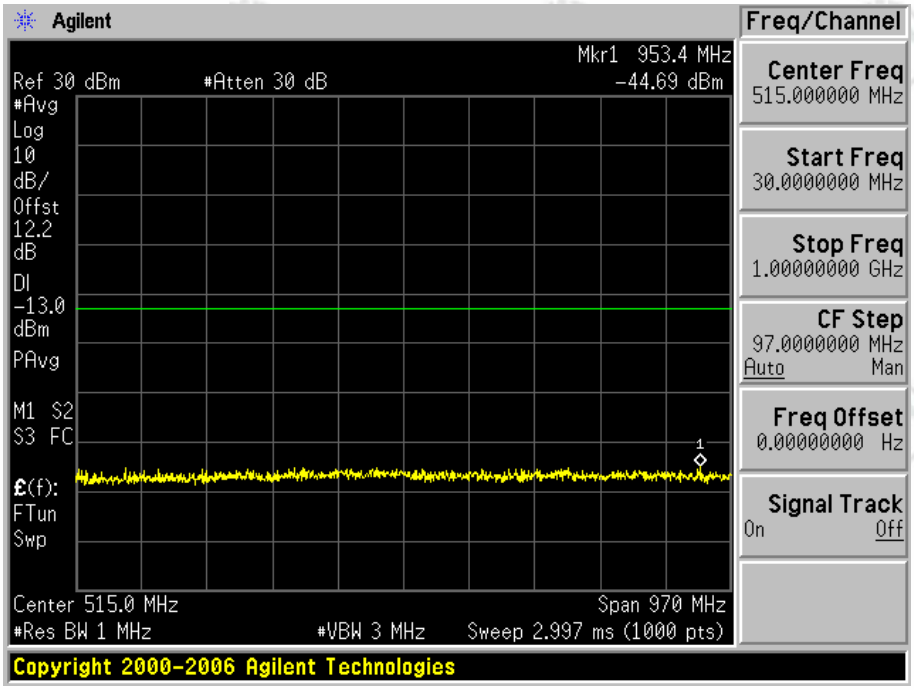

Agilent
Freq/Channel
Mkr1 7.000 GHz
Ref 30 dBm
#Atten 30 dB
-30.74 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies

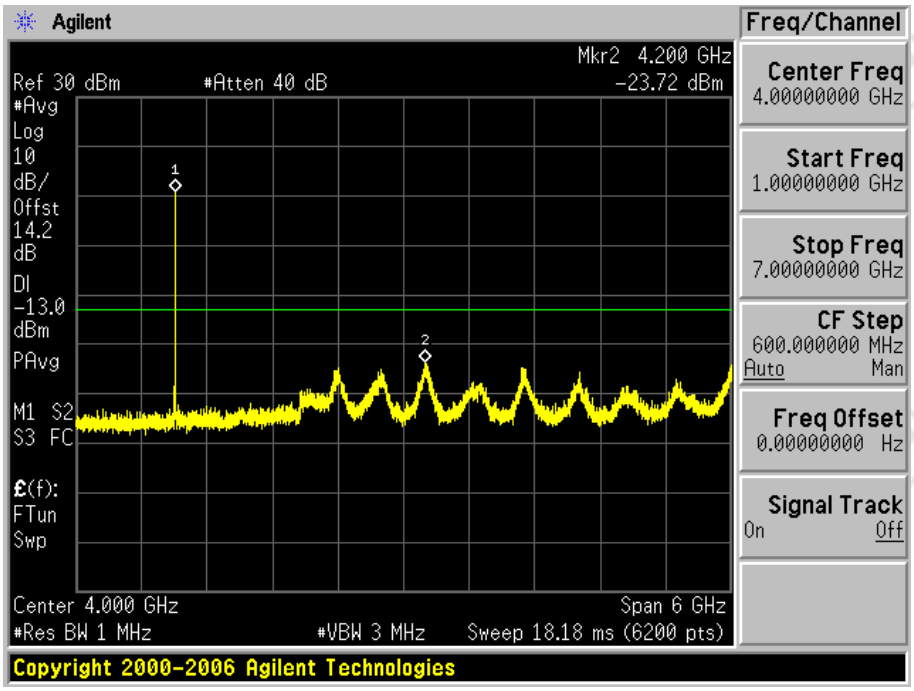

Agilent
Freq/Channel
Mkr1 16.122 GHz
Ref 30 dBm
#Atten 30 dB
-30.21 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
Copyright 2000-2006 Agilent Technologies

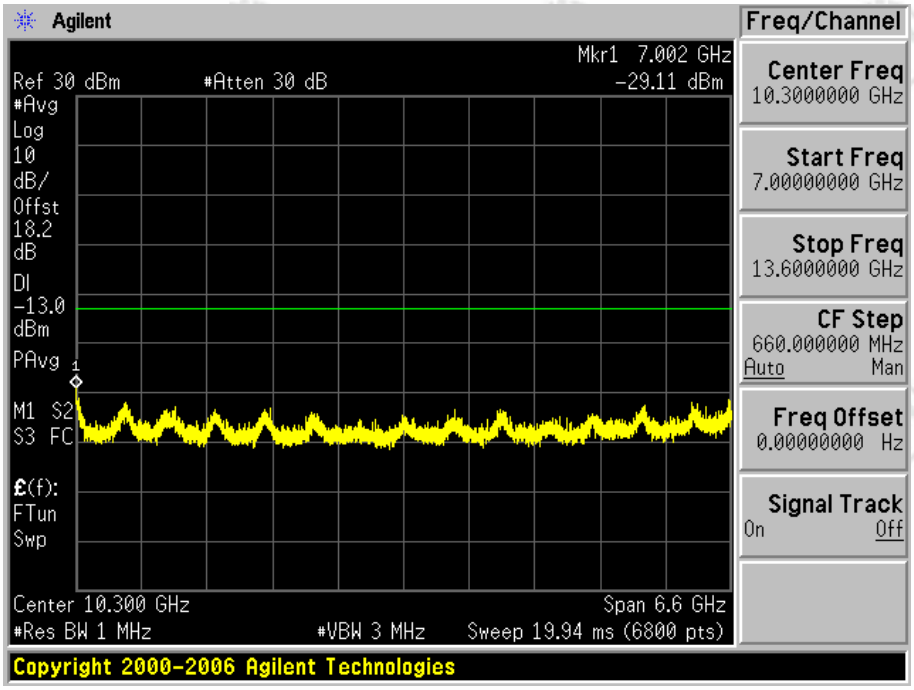
1.2.3.3 Test Channel=HCH

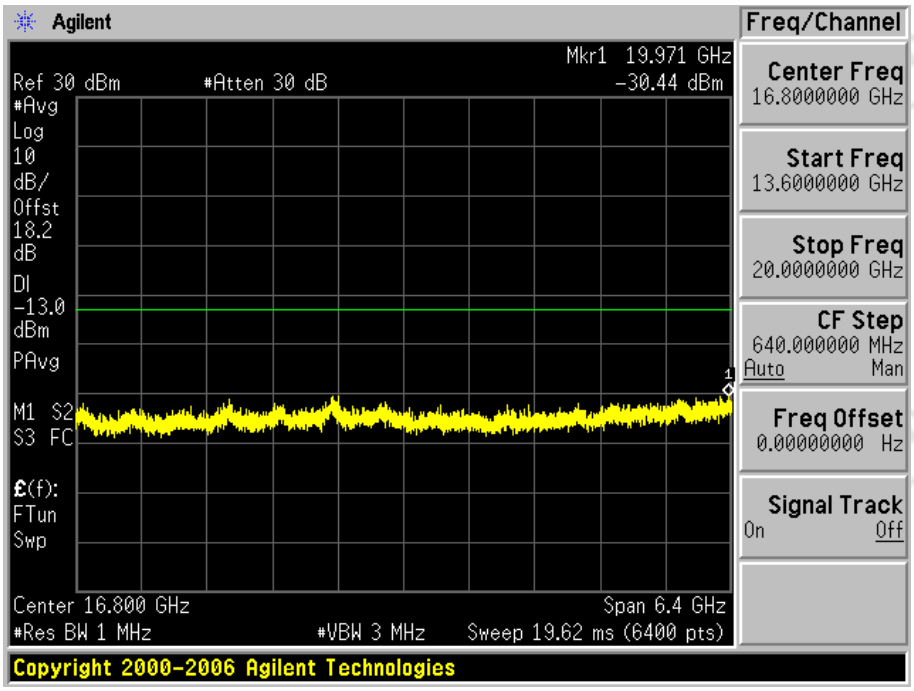





Agilent
Freq/Channel
Mkr1 953.4 MHz
Ref 30 dBm
#Atten 30 dB
-44.69 dBm
#Avg
Log
10
dB/
Offst
12.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
515.000000 MHz
Start Freq
30.0000000 MHz
Stop Freq
1.00000000 GHz
CF Step
97.0000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 515.0 MHz
Span 970 MHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 2.997 ms (1000 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr2 4.200 GHz
Ref 30 dBm
#Atten 40 dB
-23.72 dBm
#Avg
Log
10
dB/
Offst
14.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
4.00000000 GHz
Start Freq
1.00000000 GHz
Stop Freq
7.00000000 GHz
CF Step
600.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 4.000 GHz
Span 6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 18.18 ms (6200 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr1 7.002 GHz
Ref 30 dBm
#Atten 30 dB
-29.11 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
10.3000000 GHz
Start Freq
7.00000000 GHz
Stop Freq
13.6000000 GHz
CF Step
660.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 10.300 GHz
Span 6.6 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.94 ms (6800 pts)
Copyright 2000-2006 Agilent Technologies


Agilent
Freq/Channel
Mkr1 19.971 GHz
Ref 30 dBm
#Atten 30 dB
-30.44 dBm
#Avg
Log
10
dB/
Offst
18.2
dB
Dl
-13.0
dBm
PAvg
M1 S2
S3 FC
£(f):
FTun
Swp
Center Freq
16.8000000 GHz
Start Freq
13.6000000 GHz
Stop Freq
20.0000000 GHz
CF Step
640.000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 16.800 GHz
Span 6.4 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 19.62 ms (6400 pts)
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Appendix F)Frequency Stability

Test Requirement:	Part 2.1055
Test Method:	TIA-603-E-2016 Clause 2.2.2
Test Setup:	Refer to section 5 for details
Measurement Procedure:	The transmitter output was connected to a calibrated coaxial cable and a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel).The EUT was place in the temperature chamber, the DC leads and RF output cable exited the chamber though an opening made for that purpose. After Operate the equipment in standby conditions for 15 minutes before proceeding. The temperature was varied from -30°C to +50°C at intervals of not more than 10°C The frequency stability was read from the base station at 23°C the input voltage was varied +/-15%, the frequency stability and input voltage was record.
Instruments Used:	Refer to section 7 for details
Limit:	Operation Band: Frequency stability Limit(ppm) WCDMA 850: ±2.5ppm WCDMA 1900: ---
Test Results:	Pass

(Remark: Beacuse physical dimensions of bicycle , The stabilizing portion is chosed for test.
stabilizing portion is powered by DC12V, VL is 10.2V, VN is 12V, VH is 13.8V for variation of primary supply voltage)

Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 850	TM1	LCH	TN	VL	-1068.60	-1.293083	±2.5	PASS
			TN	VN	-705.92	-0.854208	±2.5	PASS
			TN	VH	173.31	0.209716	±2.5	PASS
		MCH	TN	VL	3.04	0.003630	±2.5	PASS
			TN	VN	-705.92	0.000219	±2.5	PASS
			TN	VH	0.09	0.000109	±2.5	PASS
		HCH	TN	VL	-0.55	-0.000649	±2.5	PASS
			TN	VN	-705.92	-0.005137	±2.5	PASS
			TN	VH	-4.29	-0.005065	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 850	TM2	LCH	TN	VL	66.71	0.080725	±2.5	PASS
			TN	VN	-3.30	-0.003988	±2.5	PASS
			TN	VH	50.17	0.060710	±2.5	PASS
		MCH	TN	VL	-67.95	-0.081238	±2.5	PASS
			TN	VN	-3.30	-0.101962	±2.5	PASS
			TN	VH	40.79	0.048765	±2.5	PASS
		HCH	TN	VL	33.52	0.039598	±2.5	PASS
			TN	VN	-3.30	-0.067300	±2.5	PASS
			TN	VH	2.98	0.003515	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 850	TM3	LCH	TN	VL	-46.74	-0.056556	±2.5	PASS
			TN	VN	-9.14	-0.011060	±2.5	PASS
			TN	VH	-21.88	-0.026478	±2.5	PASS
		MCH	TN	VL	1.72	0.002062	±2.5	PASS
			TN	VN	-9.14	0.001843	±2.5	PASS
			TN	VH	-174.64	-0.208796	±2.5	PASS
		HCH	TN	VL	-18.31	-0.021628	±2.5	PASS
			TN	VN	-9.14	-0.106934	±2.5	PASS
			TN	VH	-44.94	-0.053080	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM1	LCH	TN	VL	-0.58	-0.000313	±2.5	PASS
			TN	VN	-3.89	-0.002101	±2.5	PASS
			TN	VH	-2.38	-0.001285	±2.5	PASS
		MCH	TN	VL	-4008.77	-2.132327	±2.5	PASS
			TN	VN	-3.89	-1.804238	±2.5	PASS
			TN	VH	-6.55	-0.003482	±2.5	PASS
		HCH	TN	VL	-3074.39	-1.611652	±2.5	PASS
			TN	VN	-3.89	-0.669680	±2.5	PASS
			TN	VH	-16.16	-0.008471	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM2	LCH	TN	VL	-110.38	-0.059589	±2.5	PASS
			TN	VN	-7.00	-0.003781	±2.5	PASS
			TN	VH	-90.87	-0.049053	±2.5	PASS
		MCH	TN	VL	-82.63	-0.043950	±2.5	PASS
			TN	VN	-7.00	-0.040809	±2.5	PASS
			TN	VH	13.92	0.007402	±2.5	PASS
		HCH	TN	VL	-77.87	-0.040819	±2.5	PASS
			TN	VN	-7.00	0.016398	±2.5	PASS
			TN	VH	41.75	0.021885	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM3	LCH	TN	VL	-58.69	-0.031681	±2.5	PASS
			TN	VN	-12.70	-0.006853	±2.5	PASS
			TN	VH	-110.43	-0.059613	±2.5	PASS
		MCH	TN	VL	-66.91	-0.035590	±2.5	PASS
			TN	VN	-12.70	0.025997	±2.5	PASS
			TN	VH	27.88	0.014829	±2.5	PASS
		HCH	TN	VL	-185.62	-0.097307	±2.5	PASS
			TN	VN	-12.70	-0.043954	±2.5	PASS
			TN	VH	32.79	0.017190	±2.5	PASS

Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 850	TM1	LCH	VN	-30	-1285.68	-1.555754	±2.5	PASS
			VN	-20	-1507.16	-1.823761	±2.5	PASS
			VN	-10	-1802.63	-2.181302	±2.5	PASS
			VN	0	-1068.42	-1.292861	±2.5	PASS
			VN	10	-1070.39	-1.295243	±2.5	PASS
			VN	20	-1491.87	-1.805260	±2.5	PASS
			VN	30	-642.50	-0.777471	±2.5	PASS
			VN	40	-639.42	-0.773741	±2.5	PASS
			VN	50	-1502.95	-1.818665	±2.5	PASS
WCDMA 850	TM1	MCH	VN	-30	-1.46	-0.001751	±2.5	PASS
			VN	-20	3.34	0.003995	±2.5	PASS
			VN	-10	-0.21	-0.000255	±2.5	PASS
			VN	0	2.18	0.002609	±2.5	PASS
			VN	10	-0.50	-0.000602	±2.5	PASS
			VN	20	3.69	0.004415	±2.5	PASS
			VN	30	-0.78	-0.000930	±2.5	PASS
			VN	40	-0.14	-0.000164	±2.5	PASS
			VN	50	-0.69	-0.000821	±2.5	PASS
WCDMA 850	TM1	HCH	VN	-30	-2.70	-0.003190	±2.5	PASS
			VN	-20	-3.89	-0.004596	±2.5	PASS
			VN	-10	-3.33	-0.003929	±2.5	PASS
			VN	0	-2.29	-0.002704	±2.5	PASS
			VN	10	-3.71	-0.004380	±2.5	PASS
			VN	20	-4.23	-0.004993	±2.5	PASS
			VN	30	-1.88	-0.002217	±2.5	PASS
			VN	40	-6.99	-0.008255	±2.5	PASS
			VN	50	-1.86	-0.002199	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 850	TM1	LCH	VN	-30	-1285.68	-1.555754	±2.5	PASS
			VN	-20	-1507.16	-1.823761	±2.5	PASS
			VN	-10	-1802.63	-2.181302	±2.5	PASS
			VN	0	-1068.42	-1.292861	±2.5	PASS
			VN	10	-1070.39	-1.295243	±2.5	PASS
			VN	20	-1491.87	-1.805260	±2.5	PASS
			VN	30	-642.50	-0.777471	±2.5	PASS
			VN	40	-639.42	-0.773741	±2.5	PASS
			VN	50	-1502.95	-1.818665	±2.5	PASS
WCDMA 850	TM1	MCH	VN	-30	-1.46	-0.001751	±2.5	PASS
			VN	-20	3.34	0.003995	±2.5	PASS
			VN	-10	-0.21	-0.000255	±2.5	PASS
			VN	0	2.18	0.002609	±2.5	PASS
			VN	10	-0.50	-0.000602	±2.5	PASS
			VN	20	3.69	0.004415	±2.5	PASS
			VN	30	-0.78	-0.000930	±2.5	PASS
			VN	40	-0.14	-0.000164	±2.5	PASS
			VN	50	-0.69	-0.000821	±2.5	PASS
WCDMA 850	TM1	HCH	VN	-30	-2.70	-0.003190	±2.5	PASS
			VN	-20	-3.89	-0.004596	±2.5	PASS
			VN	-10	-3.33	-0.003929	±2.5	PASS
			VN	0	-2.29	-0.002704	±2.5	PASS
			VN	10	-3.71	-0.004380	±2.5	PASS
			VN	20	-4.23	-0.004993	±2.5	PASS

			VN	30	-1.88	-0.002217	±2.5	PASS
			VN	40	-6.99	-0.008255	±2.5	PASS
			VN	50	-1.86	-0.002199	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 850	TM2	LCH	VN	-30	-11.32	-0.013700	±2.5	PASS
			VN	-20	68.30	0.082646	±2.5	PASS
			VN	-10	136.29	0.164922	±2.5	PASS
			VN	0	-117.69	-0.142414	±2.5	PASS
			VN	10	-32.91	-0.039827	±2.5	PASS
			VN	20	45.79	0.055411	±2.5	PASS
			VN	30	17.09	0.020680	±2.5	PASS
			VN	40	61.94	0.074946	±2.5	PASS
			VN	50	41.92	0.050721	±2.5	PASS
WCDMA 850	TM2	MCH	VN	-30	-76.17	-0.091071	±2.5	PASS
			VN	-20	1.37	0.001642	±2.5	PASS
			VN	-10	13.82	0.016529	±2.5	PASS
			VN	0	96.77	0.115700	±2.5	PASS
			VN	10	-72.20	-0.086328	±2.5	PASS
			VN	20	56.70	0.067793	±2.5	PASS
			VN	30	30.08	0.035958	±2.5	PASS
			VN	40	-69.70	-0.083336	±2.5	PASS
			VN	50	54.38	0.065020	±2.5	PASS
WCDMA 850	TM2	HCH	VN	-30	114.64	0.135411	±2.5	PASS
			VN	-20	37.54	0.044338	±2.5	PASS
			VN	-10	172.99	0.204334	±2.5	PASS
			VN	0	-48.80	-0.057640	±2.5	PASS
			VN	10	2.44	0.002884	±2.5	PASS
			VN	20	-121.98	-0.144081	±2.5	PASS
			VN	30	27.97	0.033037	±2.5	PASS
			VN	40	-8.74	-0.010328	±2.5	PASS
			VN	50	-65.25	-0.077069	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 850	TM3	LCH	VN	-30	-6.39	-0.007736	±2.5	PASS
			VN	-20	38.59	0.046696	±2.5	PASS
			VN	-10	128.08	0.154988	±2.5	PASS
			VN	0	-9.40	-0.011374	±2.5	PASS
			VN	10	-134.87	-0.163205	±2.5	PASS
			VN	20	4.81	0.005816	±2.5	PASS
			VN	30	-4.88	-0.005909	±2.5	PASS
			VN	40	-140.03	-0.169446	±2.5	PASS
			VN	50	-56.12	-0.067911	±2.5	PASS
WCDMA 850	TM3	MCH	VN	-30	-46.39	-0.055460	±2.5	PASS
			VN	-20	-49.27	-0.058908	±2.5	PASS
			VN	-10	22.57	0.026982	±2.5	PASS
			VN	0	10.53	0.012588	±2.5	PASS
			VN	10	65.92	0.078812	±2.5	PASS
			VN	20	-109.88	-0.131371	±2.5	PASS
			VN	30	81.04	0.096891	±2.5	PASS
			VN	40	66.47	0.079468	±2.5	PASS
			VN	50	-34.16	-0.040847	±2.5	PASS
WCDMA 850	TM3	HCH	VN	-30	-15.05	-0.017771	±2.5	PASS
			VN	-20	20.72	0.024476	±2.5	PASS
			VN	-10	103.01	0.121677	±2.5	PASS
			VN	0	2.15	0.002541	±2.5	PASS
			VN	10	-46.57	-0.055008	±2.5	PASS
			VN	20	-5.49	-0.006488	±2.5	PASS

			VN	30	-0.05	-0.000054	±2.5	PASS
			VN	40	-129.06	-0.152444	±2.5	PASS
			VN	50	-111.82	-0.132077	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM1	LCH	VN	-30	-3.13	-0.001689	±2.5	PASS
			VN	-20	-3.62	-0.001952	±2.5	PASS
			VN	-10	-1.01	-0.000544	±2.5	PASS
			VN	0	-0.82	-0.000445	±2.5	PASS
			VN	10	-3.57	-0.001928	±2.5	PASS
			VN	20	1.37	0.000741	±2.5	PASS
			VN	30	-1.56	-0.000840	±2.5	PASS
			VN	40	3.13	0.001689	±2.5	PASS
			VN	50	-1.53	-0.000824	±2.5	PASS
WCDMA 1900	TM1	MCH	VN	-30	-5.08	-0.002703	±2.5	PASS
			VN	-20	-2.11	-0.001120	±2.5	PASS
			VN	-10	-5.95	-0.003165	±2.5	PASS
			VN	0	-10.93	-0.005811	±2.5	PASS
			VN	10	-14.48	-0.007702	±2.5	PASS
			VN	20	-2.98	-0.001583	±2.5	PASS
			VN	30	-7.66	-0.004074	±2.5	PASS
			VN	40	-8.38	-0.004456	±2.5	PASS
			VN	50	-9.96	-0.005300	±2.5	PASS
WCDMA 1900	TM1	HCH	VN	-30	-13.34	-0.006991	±2.5	PASS
			VN	-20	-15.69	-0.008223	±2.5	PASS
			VN	-10	-19.09	-0.010007	±2.5	PASS
			VN	0	-17.11	-0.008967	±2.5	PASS
			VN	10	-21.51	-0.011279	±2.5	PASS
			VN	20	-9.58	-0.005023	±2.5	PASS
			VN	30	-10.76	-0.005639	±2.5	PASS
			VN	40	-15.75	-0.008255	±2.5	PASS
			VN	50	-15.63	-0.008191	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM2	LCH	VN	-30	-25.09	-0.013542	±2.5	PASS
			VN	-20	9.57	0.005165	±2.5	PASS
			VN	-10	37.02	0.019984	±2.5	PASS
			VN	0	83.47	0.045058	±2.5	PASS
			VN	10	30.76	0.016606	±2.5	PASS
			VN	20	148.22	0.080017	±2.5	PASS
			VN	30	33.97	0.018336	±2.5	PASS
			VN	40	-28.29	-0.015272	±2.5	PASS
			VN	50	-79.59	-0.042966	±2.5	PASS
WCDMA 1900	TM2	MCH	VN	-30	77.22	0.041077	±2.5	PASS
			VN	-20	113.46	0.060353	±2.5	PASS
			VN	-10	-15.88	-0.008449	±2.5	PASS
			VN	0	61.86	0.032904	±2.5	PASS
			VN	10	24.67	0.013124	±2.5	PASS
			VN	20	-73.97	-0.039348	±2.5	PASS
			VN	30	23.77	0.012645	±2.5	PASS
			VN	40	97.32	0.051766	±2.5	PASS
			VN	50	35.78	0.019033	±2.5	PASS
WCDMA	TM2	HCH	VN	-30	-99.66	-0.052241	±2.5	PASS

1900			VN	-20	-136.35	-0.071479	±2.5	PASS
			VN	-10	6.09	0.003192	±2.5	PASS
			VN	0	-36.18	-0.018966	±2.5	PASS
			VN	10	-20.65	-0.010823	±2.5	PASS
			VN	20	20.55	0.010775	±2.5	PASS
			VN	30	62.18	0.032596	±2.5	PASS
			VN	40	57.30	0.030036	±2.5	PASS
			VN	50	-35.29	-0.018502	±2.5	PASS
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA 1900	TM3	LCH	VN	-30	-93.34	-0.050388	±2.5	PASS
			VN	-20	-39.87	-0.021524	±2.5	PASS
			VN	-10	80.37	0.043386	±2.5	PASS
			VN	0	-20.92	-0.011293	±2.5	PASS
			VN	10	-7.64	-0.004127	±2.5	PASS
			VN	20	-78.83	-0.042554	±2.5	PASS
			VN	30	9.06	0.004893	±2.5	PASS
			VN	40	20.83	0.011244	±2.5	PASS
			VN	50	-51.35	-0.027719	±2.5	PASS
WCDMA 1900	TM3	MCH	VN	-30	-24.69	-0.013132	±2.5	PASS
			VN	-20	-9.80	-0.005211	±2.5	PASS
			VN	-10	-15.17	-0.008068	±2.5	PASS
			VN	0	-6.29	-0.003344	±2.5	PASS
			VN	10	-2.75	-0.001461	±2.5	PASS
			VN	20	-38.56	-0.020510	±2.5	PASS
			VN	30	37.05	0.019707	±2.5	PASS
			VN	40	57.94	0.030818	±2.5	PASS
			VN	50	-54.18	-0.028821	±2.5	PASS
WCDMA 1900	TM3	HCH	VN	-30	-82.49	-0.043242	±2.5	PASS
			VN	-20	-30.99	-0.016246	±2.5	PASS
			VN	-10	56.02	0.029364	±2.5	PASS
			VN	0	24.26	0.012718	±2.5	PASS
			VN	10	-72.28	-0.037891	±2.5	PASS
			VN	20	72.24	0.037867	±2.5	PASS
			VN	30	-14.79	-0.007751	±2.5	PASS
			VN	40	-4.32	-0.002264	±2.5	PASS
			VN	50	-63.55	-0.033316	±2.5	PASS

Appendix G): Effective Radiated Power of Transmitter (ERP/EIRP)

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
30MHz-1GHz	peak	120kHz	300kHz	Peak
Above 1GHz	Peak	1MHz	3MHz	Peak

Measurement Procedure:

Test procedure as below:

The EUT was powered ON and placed on a 1.5m hight table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.

The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.

Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.

The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.

A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions.

The output power into the substitution antenna was then measured.

Steps 6) and 7)were repeated with both antennas polarized.

Calculate power in dBm by the following formula:

ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd)

EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi)

EIRP=ERP+2.15dB

where:

Pg is the generator output power into the substitution antenna.

Test the EUT in the lowest channel, the middle channel the Highest channel

) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode,And found the X axis positioning which it is worse case.

) Repeat above procedures until all frequencies measured was complete.

Limit:

Mode	WCDMA/ HSDPA/HSUPA Band V	WCDMA/HSDPA/HSUPA Band II
Frequency	824 – 849MHz	1850 – 1910MHz
Limit	38.45dBm（7W）	33.01dBm（2W）

Measurement Data

WCDMA band V							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
4132/ 826.4	150	103	14.02	38.45	-24.43	Pass	H
	150	323	16.37	38.45	-22.08	Pass	V
4182/ 836.6	150	94	14.17	38.45	-24.28	Pass	H
	150	329	17.15	38.45	-21.3	Pass	V
4233/ 846.6	150	85	13.36	38.45	-25.09	Pass	H
	150	296	17.29	38.45	-21.16	Pass	V

HSDPA band V							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
4132/ 826.4	150	173	13.13	38.45	-25.32	Pass	H
	150	235	15.60	38.45	-22.85	Pass	V
4182/ 836.6	150	190	12.50	38.45	-25.95	Pass	H
	150	317	14.98	38.45	-23.47	Pass	V
4233/ 846.6	150	230	13.32	38.45	-25.13	Pass	H
	150	301	15.39	38.45	-23.06	Pass	V

HSUPA band V							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
4132/ 826.4	150	85	11.17	38.45	-27.28	Pass	H
	150	312	15.45	38.45	-23	Pass	V
4182/ 836.6	150	190	12.08	38.45	-26.37	Pass	H
	150	313	15.39	38.45	-23.06	Pass	V
4233/ 846.6	150	187	12.21	38.45	-26.24	Pass	H
	150	284	15.73	38.45	-22.72	Pass	V

WCDMA band II							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
9262/1852.4	150	98	14.03	33.01	-18.98	Pass	H
	150	153	18.17	33.01	-14.84	Pass	V
9400/1880.0	150	166	14.82	33.01	-18.19	Pass	H
	150	168	18.26	33.01	-14.75	Pass	V
9538/1907.6	150	287	13.32	33.01	-19.69	Pass	H
	150	143	18.07	33.01	-14.94	Pass	V

HSDPA band II							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
9262/1852.4	150	350	12.16	33.01	-20.85	Pass	H
	150	147	16.80	33.01	-16.21	Pass	V
9400/1880.0	150	356	12.71	33.01	-20.3	Pass	H
	150	156	16.91	33.01	-16.1	Pass	V
9538/1907.6	150	328	12.14	33.01	-20.87	Pass	H
	150	207	15.83	33.01	-17.18	Pass	V

HSUPA band II							
Channel/fc (MHz)	Height (cm)	Azimuth (deg)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	Result	Antenna Polaxis.
9262/1852.4	150	87	11.24	33.01	-21.77	Pass	H
	150	142	16.63	33.01	-16.38	Pass	V
9400/1880.0	150	168	12.39	33.01	-20.62	Pass	H
	150	164	16.70	33.01	-16.31	Pass	V
9538/1907.6	150	160	12.06	33.01	-20.95	Pass	H
	150	271	15.84	33.01	-17.17	Pass	V

Appendix H): Field strength of spurious radiation

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-30MHz	Peak	10kHz	30kHz	Peak
30MHz-1GHz	Peak	120kHz	300kHz	Peak
Above 1GHz	Peak	1MHz	3MHz	Peak

Measurement Procedure:

1. Scan up to 10th harmonic, find the maximum radiation frequency to measure.
2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT.

Test procedure as below:

1) The EUT was powered ON and placed on a 1.5m hight table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.
2) The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions.
7) The output power into the substitution antenna was then measured.
8) Steps 6) and 7)were repeated with both antennas polarized.
9) Calculate power in dBm by the following formula:

ERP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBd)
EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi)
EIRP=ERP+2.15dB
where:
Pg is the generator output power into the substitution antenna.

10) Test the EUT in the lowest channel, the middle channel the Highest channel
11) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode,And found the X axis positioning which it is worse case.
12) Repeat above procedures until all frequencies measured was complete.

Limit: Attenuated at least 43+10log(P)

Test Data:

Mode:	WCDMA Traffic		
Band:	II	Channel:	9263
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	140.6021	150	292	-31.43	-13.00	18.43	Pass	Horizontal
2	183.0966	150	198	-34.87	-13.00	21.87	Pass	Horizontal
3	266.1452	150	139	-33.43	-13.00	20.43	Pass	Horizontal
4	309.6099	150	216	-36.94	-13.00	23.94	Pass	Horizontal
5	361.4183	150	198	-38.79	-13.00	25.79	Pass	Horizontal
6	627.2515	150	274	-53.65	-13.00	40.65	Pass	Horizontal
7	1308.6309	150	348	-52.37	-13.00	39.37	Pass	Horizontal
8	3705.2000	150	85	-53.41	-13.00	40.41	Pass	Horizontal
9	5557.8000	150	85	-51.68	-13.00	38.68	Pass	Horizontal
10	7410.4000	150	217	-50.25	-13.00	37.25	Pass	Horizontal
11	9750.3375	150	217	-43.85	-13.00	30.85	Pass	Horizontal
12	14397.5699	150	118	-40.78	-13.00	27.78	Pass	Horizontal

Mode:	WCDMA Traffic		
Band:	II	Channel:	9263
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.5851	150	289	-42.87	-13.00	29.87	Pass	Vertical
2	138.6617	150	136	-40.01	-13.00	27.01	Pass	Vertical
3	183.6787	150	307	-36.91	-13.00	23.91	Pass	Vertical
4	257.9956	150	328	-42.87	-13.00	29.87	Pass	Vertical
5	308.2517	150	307	-44.70	-13.00	31.70	Pass	Vertical
6	362.0004	150	39	-47.88	-13.00	34.88	Pass	Vertical
7	1478.2478	150	60	-49.83	-13.00	36.83	Pass	Vertical
8	3705.2000	150	52	-53.46	-13.00	40.46	Pass	Vertical
9	5557.8000	150	286	-52.86	-13.00	39.86	Pass	Vertical
10	7410.4000	150	151	-50.42	-13.00	37.42	Pass	Vertical
11	9760.0880	150	184	-44.20	-13.00	31.20	Pass	Vertical
12	14168.8084	150	184	-41.32	-13.00	28.32	Pass	Vertical

Mode:	WCDMA Traffic		
Band:	II	Channel:	9400
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	103.5407	150	153	-43.12	-13.00	30.12	Pass	Horizontal
2	143.1246	150	115	-40.58	-13.00	27.58	Pass	Horizontal
3	184.0668	150	192	-34.24	-13.00	21.24	Pass	Horizontal
4	246.1592	150	77	-34.83	-13.00	21.83	Pass	Horizontal
5	310.1920	150	212	-36.79	-13.00	23.79	Pass	Horizontal
6	363.7467	150	174	-41.65	-13.00	28.65	Pass	Horizontal
7	1315.0315	150	359	-52.00	-13.00	39.00	Pass	Horizontal
8	3760.0000	150	284	-52.02	-13.00	39.02	Pass	Horizontal
9	5640.0000	150	152	-52.88	-13.00	39.88	Pass	Horizontal
10	7520.0000	150	184	-49.32	-13.00	36.32	Pass	Horizontal
11	9758.5879	150	52	-43.56	-13.00	30.56	Pass	Horizontal
12	14237.8119	150	52	-40.82	-13.00	27.82	Pass	Horizontal

Mode:	WCDMA Traffic		
Band:	II	Channel:	9400
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	98.3017	150	327	-46.80	-13.00	33.80	Pass	Vertical
2	143.7067	150	191	-41.13	-13.00	28.13	Pass	Vertical
3	183.4847	150	327	-36.62	-13.00	23.62	Pass	Vertical
4	203.0826	150	230	-38.50	-13.00	25.50	Pass	Vertical
5	265.5631	150	327	-40.37	-13.00	27.37	Pass	Vertical
6	308.8338	150	268	-44.91	-13.00	31.91	Pass	Vertical
7	1324.4324	150	191	-52.19	-13.00	39.19	Pass	Vertical
8	3760.0000	150	52	-53.26	-13.00	40.26	Pass	Vertical
9	5640.0000	150	151	-53.01	-13.00	40.01	Pass	Vertical
10	7520.0000	150	316	-49.23	-13.00	36.23	Pass	Vertical
11	9700.8350	150	349	-44.22	-13.00	31.22	Pass	Vertical
12	14447.0724	150	184	-41.00	-13.00	28.00	Pass	Vertical

Mode:	WCDMA Traffic		
Band:	II	Channel:	9537
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	103.3467	150	153	-43.88	-13.00	30.88	Pass	Horizontal
2	135.3631	150	97	-37.16	-13.00	24.16	Pass	Horizontal
3	175.5291	150	192	-33.86	-13.00	20.86	Pass	Horizontal
4	263.8168	150	135	-34.20	-13.00	21.20	Pass	Horizontal
5	309.2218	150	327	-33.73	-13.00	20.73	Pass	Horizontal
6	361.6123	150	174	-36.68	-13.00	23.68	Pass	Horizontal
7	1371.4371	150	192	-52.63	-13.00	39.63	Pass	Horizontal
8	3814.8000	150	250	-51.51	-13.00	38.51	Pass	Horizontal
9	5722.2000	150	217	-53.09	-13.00	40.09	Pass	Horizontal
10	7629.6000	150	283	-48.03	-13.00	35.03	Pass	Horizontal
11	9526.8263	150	52	-43.94	-13.00	30.94	Pass	Horizontal
12	14324.0662	150	52	-40.22	-13.00	27.22	Pass	Horizontal

Mode:	WCDMA Traffic		
Band:	II	Channel:	9537
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	114.2128	150	250	-44.08	-13.00	31.08	Pass	Vertical
2	127.6015	150	153	-38.82	-13.00	25.82	Pass	Vertical
3	144.2889	150	192	-39.63	-13.00	26.63	Pass	Vertical
4	175.3351	150	153	-38.77	-13.00	25.77	Pass	Vertical
5	264.0108	150	345	-42.73	-13.00	29.73	Pass	Vertical
6	308.2517	150	20	-41.80	-13.00	28.80	Pass	Vertical
7	1286.8287	150	192	-51.81	-13.00	38.81	Pass	Vertical
8	3814.8000	150	217	-50.15	-13.00	37.15	Pass	Vertical
9	5722.2000	150	151	-51.93	-13.00	38.93	Pass	Vertical
10	7629.6000	150	316	-47.78	-13.00	34.78	Pass	Vertical
11	11643.4322	150	250	-43.04	-13.00	30.04	Pass	Vertical
12	14375.0688	150	316	-40.52	-13.00	27.52	Pass	Vertical

Mode:	HSDPA Traffic		
Band:	II	Channel:	9263
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	143.5127	150	159	-39.43	-13.00	26.43	Pass	Horizontal
2	179.4099	150	197	-34.43	-13.00	21.43	Pass	Horizontal
3	210.2621	150	177	-36.28	-13.00	23.28	Pass	Horizontal
4	265.7572	150	82	-34.68	-13.00	21.68	Pass	Horizontal
5	308.2517	150	331	-35.82	-13.00	22.82	Pass	Horizontal
6	362.7766	150	139	-41.24	-13.00	28.24	Pass	Horizontal
7	1539.8540	150	346	-47.03	-13.00	34.03	Pass	Horizontal
8	3705.2000	150	292	-54.31	-13.00	41.31	Pass	Horizontal
9	5557.8000	150	52	-50.90	-13.00	37.90	Pass	Horizontal
10	7410.4000	150	357	-50.39	-13.00	37.39	Pass	Horizontal
11	9544.8272	150	155	-43.59	-13.00	30.59	Pass	Horizontal
12	14933.0967	150	292	-40.67	-13.00	27.67	Pass	Horizontal

Mode:	HSDPA Traffic		
Band:	II	Channel:	9263
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	103.5407	150	268	-43.71	-13.00	30.71	Pass	Vertical
2	137.4975	150	114	-41.13	-13.00	28.13	Pass	Vertical
3	184.0668	150	306	-35.17	-13.00	22.17	Pass	Vertical
4	266.7273	150	327	-42.86	-13.00	29.86	Pass	Vertical
5	309.0278	150	268	-46.73	-13.00	33.73	Pass	Vertical
6	361.2242	150	97	-48.73	-13.00	35.73	Pass	Vertical
7	1382.2382	150	327	-52.55	-13.00	39.55	Pass	Vertical
8	3705.2000	150	316	-53.24	-13.00	40.24	Pass	Vertical
9	5557.8000	150	85	-51.48	-13.00	38.48	Pass	Vertical
10	7410.4000	150	151	-50.95	-13.00	37.95	Pass	Vertical
11	9557.5779	150	283	-44.48	-13.00	31.48	Pass	Vertical
12	14424.5712	150	349	-40.30	-13.00	27.30	Pass	Vertical

Mode:	HSDPA Traffic		
Band:	II	Channel:	9400
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	140.6021	150	98	-34.53	-13.00	21.53	Pass	Horizontal
2	180.3801	150	192	-33.85	-13.00	20.85	Pass	Horizontal
3	207.7395	150	154	-36.77	-13.00	23.77	Pass	Horizontal
4	263.8168	150	136	-35.93	-13.00	22.93	Pass	Horizontal
5	308.2517	150	212	-34.97	-13.00	21.97	Pass	Horizontal
6	361.6123	150	174	-39.06	-13.00	26.06	Pass	Horizontal
7	1254.0254	150	212	-52.38	-13.00	39.38	Pass	Horizontal
8	3760.0000	150	349	-53.29	-13.00	40.29	Pass	Horizontal
9	5640.0000	150	85	-52.50	-13.00	39.50	Pass	Horizontal
10	7520.0000	150	118	-50.21	-13.00	37.21	Pass	Horizontal
11	9649.0825	150	349	-44.04	-13.00	31.04	Pass	Horizontal
12	14534.0767	150	118	-40.61	-13.00	27.61	Pass	Horizontal

Mode:	HSDPA Traffic		
Band:	II	Channel:	9400
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	121.9744	150	288	-42.13	-13.00	29.13	Pass	Vertical
2	138.8558	150	191	-39.31	-13.00	26.31	Pass	Vertical
3	182.9026	150	288	-36.75	-13.00	23.75	Pass	Vertical
4	258.7718	150	326	-43.42	-13.00	30.42	Pass	Vertical
5	308.6397	150	268	-43.16	-13.00	30.16	Pass	Vertical
6	361.8064	150	58	-46.99	-13.00	33.99	Pass	Vertical
7	1310.8311	150	152	-51.93	-13.00	38.93	Pass	Vertical
8	3760.0000	150	250	-53.57	-13.00	40.57	Pass	Vertical
9	5640.0000	150	184	-52.10	-13.00	39.10	Pass	Vertical
10	7520.0000	150	250	-49.55	-13.00	36.55	Pass	Vertical
11	9643.8322	150	283	-44.26	-13.00	31.26	Pass	Vertical
12	14361.5681	150	85	-40.97	-13.00	27.97	Pass	Vertical

Mode:	HSDPA Traffic		
Band:	II	Channel:	9537
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	96.5553	150	94	-44.69	-13.00	31.69	Pass	Horizontal
2	141.9604	150	287	-38.28	-13.00	25.28	Pass	Horizontal
3	180.7682	150	189	-34.33	-13.00	21.33	Pass	Horizontal
4	265.1750	150	287	-36.40	-13.00	23.40	Pass	Horizontal
5	309.4159	150	326	-34.38	-13.00	21.38	Pass	Horizontal
6	361.4183	150	189	-38.15	-13.00	25.15	Pass	Horizontal
7	1532.2532	150	2	-47.55	-13.00	34.55	Pass	Horizontal
8	3814.8000	150	156	-53.43	-13.00	40.43	Pass	Horizontal
9	5722.2000	150	191	-53.59	-13.00	40.59	Pass	Horizontal
10	7629.6000	150	358	-48.52	-13.00	35.52	Pass	Horizontal
11	11730.4365	150	358	-42.93	-13.00	29.93	Pass	Horizontal
12	14417.0709	150	87	-40.58	-13.00	27.58	Pass	Horizontal

Mode:	HSDPA Traffic		
Band:	II	Channel:	9537
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	112.6605	150	191	-47.71	-13.00	34.71	Pass	Vertical
2	127.4075	150	289	-39.54	-13.00	26.54	Pass	Vertical
3	180.9622	150	327	-38.04	-13.00	25.04	Pass	Vertical
4	264.7870	150	327	-42.20	-13.00	29.20	Pass	Vertical
5	308.0576	150	289	-42.86	-13.00	29.86	Pass	Vertical
6	361.4183	150	76	-48.18	-13.00	35.18	Pass	Vertical
7	1322.0322	150	306	-51.82	-13.00	38.82	Pass	Vertical
8	3814.8000	150	217	-51.24	-13.00	38.24	Pass	Vertical
9	5722.2000	150	217	-50.98	-13.00	37.98	Pass	Vertical
10	7629.6000	150	217	-49.60	-13.00	36.60	Pass	Vertical
11	10130.6065	150	283	-44.47	-13.00	31.47	Pass	Vertical
12	14376.5688	150	118	-41.02	-13.00	28.02	Pass	Vertical

Mode:	HSUPA Traffic		
Band:	II	Channel:	9263
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	98.1076	150	102	-41.79	-13.00	28.79	Pass	Horizontal
2	144.0948	150	166	-35.90	-13.00	22.90	Pass	Horizontal
3	175.5291	150	184	-32.92	-13.00	19.92	Pass	Horizontal
4	271.1902	150	143	-35.06	-13.00	22.06	Pass	Horizontal
5	308.0576	150	198	-33.89	-13.00	20.89	Pass	Horizontal
6	361.8064	150	194	-36.57	-13.00	23.57	Pass	Horizontal
7	1306.2306	150	189	-51.79	-13.00	38.79	Pass	Horizontal
8	3705.2000	150	236	-54.02	-13.00	41.02	Pass	Horizontal
9	5557.8000	150	16	-51.62	-13.00	38.62	Pass	Horizontal
10	7410.4000	150	97	-49.43	-13.00	36.43	Pass	Horizontal
11	10403.6202	150	60	-43.37	-13.00	30.37	Pass	Horizontal
12	14394.5697	150	170	-40.06	-13.00	27.06	Pass	Horizontal

Mode:	HSUPA Traffic		
Band:	II	Channel:	9263
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	140.4081	150	175	-36.72	-13.00	23.72	Pass	Vertical
2	183.0966	150	307	-35.09	-13.00	22.09	Pass	Vertical
3	201.5303	150	231	-40.77	-13.00	27.77	Pass	Vertical
4	266.3393	150	328	-44.09	-13.00	31.09	Pass	Vertical
5	308.2517	150	251	-44.11	-13.00	31.11	Pass	Vertical
6	363.5527	150	136	-48.62	-13.00	35.62	Pass	Vertical
7	1462.8463	150	40	-50.19	-13.00	37.19	Pass	Vertical
8	3705.2000	150	151	-53.84	-13.00	40.84	Pass	Vertical
9	5557.8000	150	251	-51.68	-13.00	38.68	Pass	Vertical
10	7410.4000	150	52	-50.59	-13.00	37.59	Pass	Vertical
11	9493.8247	150	85	-43.50	-13.00	30.50	Pass	Vertical
12	15057.6029	150	353	-40.68	-13.00	27.68	Pass	Vertical

Mode:	HSUPA Traffic		
Band:	II	Channel:	9400
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	136.5273	150	76	-38.22	-13.00	25.22	Pass	Horizontal
2	180.9622	150	172	-39.17	-13.00	26.17	Pass	Horizontal
3	209.0978	150	152	-39.72	-13.00	26.72	Pass	Horizontal
4	265.7572	150	134	-34.23	-13.00	21.23	Pass	Horizontal
5	308.8338	150	327	-34.35	-13.00	21.35	Pass	Horizontal
6	361.6123	150	191	-37.13	-13.00	24.13	Pass	Horizontal
7	1302.8303	150	345	-52.22	-13.00	39.22	Pass	Horizontal
8	3760.0000	150	184	-48.62	-13.00	35.62	Pass	Horizontal
9	5640.0000	150	52	-45.65	-13.00	32.65	Pass	Horizontal
10	7520.0000	150	85	-50.03	-13.00	37.03	Pass	Horizontal
11	9648.3324	150	152	-43.78	-13.00	30.78	Pass	Horizontal
12	14356.3178	150	284	-40.39	-13.00	27.39	Pass	Horizontal

Mode:	HSUPA Traffic		
Band:	II	Channel:	9400
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	97.9136	150	190	-45.52	-13.00	32.52	Pass	Vertical
2	130.5121	150	268	-42.93	-13.00	29.93	Pass	Vertical
3	142.5425	150	114	-42.44	-13.00	29.44	Pass	Vertical
4	188.5297	150	327	-41.15	-13.00	28.15	Pass	Vertical
5	268.2797	150	327	-39.79	-13.00	26.79	Pass	Vertical
6	309.6099	150	307	-42.89	-13.00	29.89	Pass	Vertical
7	1275.2275	150	3	-52.47	-13.00	39.47	Pass	Vertical
8	3760.0000	150	184	-45.92	-13.00	32.92	Pass	Vertical
9	5640.0000	150	350	-48.00	-13.00	35.00	Pass	Vertical
10	7520.0000	150	217	-49.97	-13.00	36.97	Pass	Vertical
11	10226.6113	150	85	-43.98	-13.00	30.98	Pass	Vertical
12	14340.5670	150	250	-41.12	-13.00	28.12	Pass	Vertical

Mode:	HSUPA Traffic		
Band:	II	Channel:	9537
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.5851	150	58	-42.67	-13.00	29.67	Pass	Horizontal
2	140.4081	150	96	-34.88	-13.00	21.88	Pass	Horizontal
3	182.3205	150	191	-38.73	-13.00	25.73	Pass	Horizontal
4	262.4585	150	114	-34.39	-13.00	21.39	Pass	Horizontal
5	307.6695	150	191	-33.47	-13.00	20.47	Pass	Horizontal
6	362.5825	150	173	-36.65	-13.00	23.65	Pass	Horizontal
7	1307.4307	150	96	-52.22	-13.00	39.22	Pass	Horizontal
8	3814.8000	150	250	-49.21	-13.00	36.21	Pass	Horizontal
9	5722.2000	150	217	-51.32	-13.00	38.32	Pass	Horizontal
10	7629.6000	150	316	-49.38	-13.00	36.38	Pass	Horizontal
11	9559.8280	150	350	-44.30	-13.00	31.30	Pass	Horizontal
12	14910.5955	150	350	-40.49	-13.00	27.49	Pass	Horizontal

Mode:	HSUPA Traffic		
Band:	II	Channel:	9537
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.9732	150	188	-45.37	-13.00	32.37	Pass	Vertical
2	135.9452	150	287	-41.06	-13.00	28.06	Pass	Vertical
3	183.2907	150	304	-41.38	-13.00	28.38	Pass	Vertical
4	264.0108	150	325	-42.20	-13.00	29.20	Pass	Vertical
5	309.0278	150	266	-40.98	-13.00	27.98	Pass	Vertical
6	360.8362	150	150	-47.32	-13.00	34.32	Pass	Vertical
7	1416.8417	150	33	-49.53	-13.00	36.53	Pass	Vertical
8	3814.8000	150	358	-53.45	-13.00	40.45	Pass	Vertical
9	5722.2000	150	260	-51.97	-13.00	38.97	Pass	Vertical
10	7629.6000	150	24	-48.16	-13.00	35.16	Pass	Vertical
11	9638.5819	150	191	-43.15	-13.00	30.15	Pass	Vertical
12	14318.8159	150	156	-40.94	-13.00	27.94	Pass	Vertical

Mode:	WCDMA Traffic		
Band:	V	Channel:	4133
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	142.5425	150	292	-39.27	-13.00	26.27	Pass	Horizontal
2	178.8278	150	177	-34.41	-13.00	21.41	Pass	Horizontal
3	209.4859	150	138	-36.28	-13.00	23.28	Pass	Horizontal
4	265.7572	150	120	-34.73	-13.00	21.73	Pass	Horizontal
5	310.1920	150	312	-37.44	-13.00	24.44	Pass	Horizontal
6	363.3587	150	177	-41.58	-13.00	28.58	Pass	Horizontal
7	1653.2000	150	0	-57.67	-13.00	44.67	Pass	Horizontal
8	2479.8000	150	177	-54.57	-13.00	41.57	Pass	Horizontal
9	3306.4000	150	287	-52.86	-13.00	39.86	Pass	Horizontal
10	4732.5866	150	354	-48.91	-13.00	35.91	Pass	Horizontal
11	8275.7638	150	252	-45.29	-13.00	32.29	Pass	Horizontal
12	14297.0649	150	252	-40.85	-13.00	27.85	Pass	Horizontal

Mode:	WCDMA Traffic		
Band:	V	Channel:	4133
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	98.1076	150	192	-44.19	-13.00	31.19	Pass	Vertical
2	136.3333	150	173	-41.02	-13.00	28.02	Pass	Vertical
3	184.4549	150	289	-35.90	-13.00	22.90	Pass	Vertical
4	266.7273	150	327	-40.23	-13.00	27.23	Pass	Vertical
5	308.8338	150	268	-45.30	-13.00	32.30	Pass	Vertical
6	362.5825	150	153	-50.48	-13.00	37.48	Pass	Vertical
7	1653.2000	150	59	-56.85	-13.00	43.85	Pass	Vertical
8	2479.8000	150	307	-52.52	-13.00	39.52	Pass	Vertical
9	3306.4000	150	52	-52.02	-13.00	39.02	Pass	Vertical
10	4902.0951	150	286	-49.44	-13.00	36.44	Pass	Vertical
11	8116.7558	150	354	-45.05	-13.00	32.05	Pass	Vertical
12	14349.5675	150	151	-41.03	-13.00	28.03	Pass	Vertical

Mode:	WCDMA Traffic		
Band:	V	Channel:	4175
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	94.8090	150	152	-49.17	-13.00	36.17	Pass	Horizontal
2	143.1246	150	268	-40.15	-13.00	27.15	Pass	Horizontal
3	178.2456	150	191	-34.43	-13.00	21.43	Pass	Horizontal
4	265.9512	150	114	-34.38	-13.00	21.38	Pass	Horizontal
5	309.9980	150	211	-36.06	-13.00	23.06	Pass	Horizontal
6	362.1944	150	152	-42.40	-13.00	29.40	Pass	Horizontal
7	1290.0290	150	152	-52.95	-13.00	39.95	Pass	Horizontal
8	1670.0000	150	229	-56.63	-13.00	43.63	Pass	Horizontal
9	2505.0000	150	75	-54.10	-13.00	41.10	Pass	Horizontal
10	3340.0000	150	317	-53.09	-13.00	40.09	Pass	Horizontal
11	8197.0099	150	24	-45.65	-13.00	32.65	Pass	Horizontal
12	14323.3162	150	350	-40.32	-13.00	27.32	Pass	Horizontal

Mode:	WCDMA Traffic		
Band:	V	Channel:	4175
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.5851	150	231	-41.80	-13.00	28.80	Pass	Vertical
2	130.1240	150	154	-40.70	-13.00	27.70	Pass	Vertical
3	139.2438	150	116	-39.72	-13.00	26.72	Pass	Vertical
4	183.8728	150	308	-36.71	-13.00	23.71	Pass	Vertical
5	202.6945	150	231	-39.44	-13.00	26.44	Pass	Vertical
6	263.8168	150	328	-41.57	-13.00	28.57	Pass	Vertical
7	1670.0000	150	136	-55.09	-13.00	42.09	Pass	Vertical
8	2505.0000	150	174	-53.69	-13.00	40.69	Pass	Vertical
9	3340.0000	150	184	-51.20	-13.00	38.20	Pass	Vertical
10	6545.4273	150	284	-49.52	-13.00	36.52	Pass	Vertical
11	8116.0058	150	251	-44.84	-13.00	31.84	Pass	Vertical
12	15069.6035	150	284	-40.59	-13.00	27.59	Pass	Vertical

Mode:	WCDMA Traffic		
Band:	V	Channel:	4232
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	140.6021	150	268	-31.13	-13.00	18.13	Pass	Horizontal
2	178.0516	150	191	-35.62	-13.00	22.62	Pass	Horizontal
3	208.5157	150	153	-37.33	-13.00	24.33	Pass	Horizontal
4	264.9810	150	288	-35.28	-13.00	22.28	Pass	Horizontal
5	309.0278	150	212	-37.52	-13.00	24.52	Pass	Horizontal
6	361.6123	150	173	-41.71	-13.00	28.71	Pass	Horizontal
7	1692.8000	150	230	-56.64	-13.00	43.64	Pass	Horizontal
8	2539.2000	150	191	-52.90	-13.00	39.90	Pass	Horizontal
9	3185.6000	150	23	-50.71	-13.00	37.71	Pass	Horizontal
10	5930.3965	150	1	-49.60	-13.00	36.60	Pass	Horizontal
11	9656.5828	150	283	-44.23	-13.00	31.23	Pass	Horizontal
12	14877.5939	150	118	-40.45	-13.00	27.45	Pass	Horizontal

Mode:	WCDMA Traffic		
Band:	V	Channel:	4232
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	139.6319	150	135	-40.40	-13.00	27.40	Pass	Vertical
2	178.6337	150	307	-35.44	-13.00	22.44	Pass	Vertical
3	202.5005	150	250	-39.93	-13.00	26.93	Pass	Vertical
4	265.5631	150	327	-43.12	-13.00	30.12	Pass	Vertical
5	307.8636	150	174	-44.28	-13.00	31.28	Pass	Vertical
6	362.3885	150	59	-47.18	-13.00	34.18	Pass	Vertical
7	1692.8000	150	38	-54.85	-13.00	41.85	Pass	Vertical
8	2539.2000	150	307	-52.53	-13.00	39.53	Pass	Vertical
9	3185.6000	150	118	-51.00	-13.00	38.00	Pass	Vertical
10	5208.8604	150	283	-49.29	-13.00	36.29	Pass	Vertical
11	9684.3342	150	316	-42.99	-13.00	29.99	Pass	Vertical
12	14157.5579	150	1	-40.00	-13.00	27.00	Pass	Vertical

Mode:	HSDPA Traffic		
Band:	V	Channel:	4133
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	148.5577	150	268	-38.63	-13.00	25.63	Pass	Horizontal
2	180.7682	150	190	-35.12	-13.00	22.12	Pass	Horizontal
3	208.3217	150	172	-34.22	-13.00	21.22	Pass	Horizontal
4	264.9810	150	268	-35.07	-13.00	22.07	Pass	Horizontal
5	305.5351	150	211	-37.33	-13.00	24.33	Pass	Horizontal
6	363.3587	150	190	-41.66	-13.00	28.66	Pass	Horizontal
7	1653.2000	150	344	-57.15	-13.00	44.15	Pass	Horizontal
8	2479.8000	150	2	-53.98	-13.00	40.98	Pass	Horizontal
9	3306.4000	150	316	-51.43	-13.00	38.43	Pass	Horizontal
10	5035.6018	150	349	-49.03	-13.00	36.03	Pass	Horizontal
11	8113.0057	150	250	-45.48	-13.00	32.48	Pass	Horizontal
12	14930.8465	150	118	-40.19	-13.00	27.19	Pass	Horizontal

Mode:	HSDPA Traffic		
Band:	V	Channel:	4133
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	111.3023	150	3	-49.73	-13.00	36.73	Pass	Vertical
2	142.5425	150	191	-41.48	-13.00	28.48	Pass	Vertical
3	183.0966	150	307	-34.33	-13.00	21.33	Pass	Vertical
4	266.5333	150	327	-42.24	-13.00	29.24	Pass	Vertical
5	309.4159	150	327	-45.51	-13.00	32.51	Pass	Vertical
6	362.3885	150	58	-51.16	-13.00	38.16	Pass	Vertical
7	1653.2000	150	250	-56.98	-13.00	43.98	Pass	Vertical
8	2479.8000	150	268	-54.12	-13.00	41.12	Pass	Vertical
9	3306.4000	150	349	-52.26	-13.00	39.26	Pass	Vertical
10	5023.6012	150	118	-49.72	-13.00	36.72	Pass	Vertical
11	9283.0642	150	184	-44.28	-13.00	31.28	Pass	Vertical
12	14426.0713	150	85	-40.50	-13.00	27.50	Pass	Vertical

Mode:	HSDPA Traffic		
Band:	V	Channel:	4175
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	95.3911	150	150	-41.43	-13.00	28.43	Pass	Horizontal
2	143.5127	150	264	-37.27	-13.00	24.27	Pass	Horizontal
3	180.7682	150	188	-34.38	-13.00	21.38	Pass	Horizontal
4	265.3691	150	132	-34.76	-13.00	21.76	Pass	Horizontal
5	308.2517	150	208	-34.65	-13.00	21.65	Pass	Horizontal
6	362.1944	150	188	-41.05	-13.00	28.05	Pass	Horizontal
7	1670.0000	150	246	-57.16	-13.00	44.16	Pass	Horizontal
8	2505.0000	150	246	-53.12	-13.00	40.12	Pass	Horizontal
9	3340.0000	150	323	-53.24	-13.00	40.24	Pass	Horizontal
10	4560.0780	150	355	-49.82	-13.00	36.82	Pass	Horizontal
11	9269.5635	150	188	-42.53	-13.00	29.53	Pass	Horizontal
12	14345.0673	150	255	-40.86	-13.00	27.86	Pass	Horizontal

Mode:	HSDPA Traffic		
Band:	V	Channel:	4175
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	84.5249	150	192	-52.36	-13.00	39.36	Pass	Vertical
2	129.9300	150	135	-38.41	-13.00	25.41	Pass	Vertical
3	140.6021	150	192	-35.65	-13.00	22.65	Pass	Vertical
4	184.2609	150	306	-36.44	-13.00	23.44	Pass	Vertical
5	265.9512	150	326	-42.57	-13.00	29.57	Pass	Vertical
6	309.8040	150	288	-45.24	-13.00	32.24	Pass	Vertical
7	1670.0000	150	306	-57.02	-13.00	44.02	Pass	Vertical
8	2505.0000	150	288	-52.42	-13.00	39.42	Pass	Vertical
9	3340.0000	150	150	-52.61	-13.00	39.61	Pass	Vertical
10	5544.8772	150	250	-49.81	-13.00	36.81	Pass	Vertical
11	9704.5852	150	2	-44.37	-13.00	31.37	Pass	Vertical
12	14467.3234	150	118	-40.97	-13.00	27.97	Pass	Vertical

Mode:	HSDPA Traffic		
Band:	V	Channel:	4232
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	98.1076	150	191	-47.14	-13.00	34.14	Pass	Horizontal
2	143.1246	150	268	-40.38	-13.00	27.38	Pass	Horizontal
3	183.2907	150	191	-34.20	-13.00	21.20	Pass	Horizontal
4	264.0108	150	114	-35.55	-13.00	22.55	Pass	Horizontal
5	310.9682	150	327	-37.59	-13.00	24.59	Pass	Horizontal
6	362.9706	150	153	-40.59	-13.00	27.59	Pass	Horizontal
7	1692.8000	150	38	-56.81	-13.00	43.81	Pass	Horizontal
8	2539.2000	150	173	-52.95	-13.00	39.95	Pass	Horizontal
9	3185.6000	150	283	-50.37	-13.00	37.37	Pass	Horizontal
10	5031.8516	150	250	-49.22	-13.00	36.22	Pass	Horizontal
11	9348.3174	150	349	-44.26	-13.00	31.26	Pass	Horizontal
12	14363.8182	150	217	-40.53	-13.00	27.53	Pass	Horizontal

Mode:	HSDPA Traffic		
Band:	V	Channel:	4232
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	127.4075	150	135	-39.69	-13.00	26.69	Pass	Vertical
2	144.0948	150	192	-38.49	-13.00	25.49	Pass	Vertical
3	184.6489	150	307	-36.37	-13.00	23.37	Pass	Vertical
4	202.8886	150	230	-39.95	-13.00	26.95	Pass	Vertical
5	258.7718	150	327	-42.14	-13.00	29.14	Pass	Vertical
6	309.4159	150	289	-44.28	-13.00	31.28	Pass	Vertical
7	1692.8000	150	97	-56.72	-13.00	43.72	Pass	Vertical
8	2539.2000	150	153	-53.26	-13.00	40.26	Pass	Vertical
9	3185.6000	150	250	-51.56	-13.00	38.56	Pass	Vertical
10	5016.1008	150	284	-49.58	-13.00	36.58	Pass	Vertical
11	10128.3564	150	24	-44.31	-13.00	31.31	Pass	Vertical
12	15023.8512	150	218	-40.86	-13.00	27.86	Pass	Vertical

Mode:	HSUPA Traffic		
Band:	V	Channel:	4133
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	143.5127	150	171	-39.41	-13.00	26.41	Pass	Horizontal
2	177.0814	150	189	-34.77	-13.00	21.77	Pass	Horizontal
3	208.7097	150	151	-36.59	-13.00	23.59	Pass	Horizontal
4	265.5631	150	288	-33.96	-13.00	20.96	Pass	Horizontal
5	309.0278	150	326	-37.54	-13.00	24.54	Pass	Horizontal
6	362.1944	150	151	-41.94	-13.00	28.94	Pass	Horizontal
7	1653.2000	150	2	-56.79	-13.00	43.79	Pass	Horizontal
8	2479.8000	150	94	-53.41	-13.00	40.41	Pass	Horizontal
9	3306.4000	150	121	-52.71	-13.00	39.71	Pass	Horizontal
10	4973.3487	150	294	-48.83	-13.00	35.83	Pass	Horizontal
11	8167.0084	150	225	-45.05	-13.00	32.05	Pass	Horizontal
12	14377.3189	150	328	-40.62	-13.00	27.62	Pass	Horizontal

Mode:	HSUPA Traffic		
Band:	V	Channel:	4133
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	138.8558	150	112	-40.15	-13.00	27.15	Pass	Vertical
2	184.4549	150	325	-35.23	-13.00	22.23	Pass	Vertical
3	203.2767	150	228	-40.26	-13.00	27.26	Pass	Vertical
4	265.5631	150	325	-41.27	-13.00	28.27	Pass	Vertical
5	309.9980	150	305	-45.23	-13.00	32.23	Pass	Vertical
6	361.0302	150	35	-48.79	-13.00	35.79	Pass	Vertical
7	1273.6274	150	325	-52.02	-13.00	39.02	Pass	Vertical
8	1653.2000	150	56	-57.18	-13.00	44.18	Pass	Vertical
9	2479.8000	150	344	-52.09	-13.00	39.09	Pass	Vertical
10	3306.4000	150	87	-52.67	-13.00	39.67	Pass	Vertical
11	6404.4202	150	225	-48.86	-13.00	35.86	Pass	Vertical
12	13908.5454	150	156	-40.96	-13.00	27.96	Pass	Vertical

Mode:	HSUPA Traffic		
Band:	V	Channel:	4175
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	146.2292	150	268	-36.98	-13.00	23.98	Pass	Horizontal
2	179.0218	150	191	-34.42	-13.00	21.42	Pass	Horizontal
3	208.7097	150	173	-36.10	-13.00	23.10	Pass	Horizontal
4	266.7273	150	115	-34.54	-13.00	21.54	Pass	Horizontal
5	309.8040	150	212	-37.80	-13.00	24.80	Pass	Horizontal
6	361.6123	150	153	-38.17	-13.00	25.17	Pass	Horizontal
7	1670.0000	150	306	-56.96	-13.00	43.96	Pass	Horizontal
8	2505.0000	150	58	-53.90	-13.00	40.90	Pass	Horizontal
9	3340.0000	150	250	-52.29	-13.00	39.29	Pass	Horizontal
10	6347.4174	150	85	-48.85	-13.00	35.85	Pass	Horizontal
11	9553.8277	150	349	-43.83	-13.00	30.83	Pass	Horizontal
12	11683.1842	150	151	-42.66	-13.00	29.66	Pass	Horizontal

Mode:	HSUPA Traffic		
Band:	V	Channel:	4175
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	128.5717	150	289	-41.21	-13.00	28.21	Pass	Vertical
2	142.7365	150	174	-42.23	-13.00	29.23	Pass	Vertical
3	183.0966	150	289	-36.89	-13.00	23.89	Pass	Vertical
4	202.8886	150	230	-39.25	-13.00	26.25	Pass	Vertical
5	260.5181	150	327	-42.28	-13.00	29.28	Pass	Vertical
6	308.2517	150	269	-45.56	-13.00	32.56	Pass	Vertical
7	1670.0000	150	58	-55.53	-13.00	42.53	Pass	Vertical
8	2505.0000	150	251	-53.32	-13.00	40.32	Pass	Vertical
9	3340.0000	150	24	-52.66	-13.00	39.66	Pass	Vertical
10	4932.8466	150	218	-49.54	-13.00	36.54	Pass	Vertical
11	7107.2054	150	1	-47.52	-13.00	34.52	Pass	Vertical
12	14324.0662	150	24	-41.03	-13.00	28.03	Pass	Vertical

Mode:	HSUPA Traffic		
Band:	V	Channel:	4232
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	143.9008	150	149	-38.43	-13.00	25.43	Pass	Horizontal
2	181.1562	150	188	-33.91	-13.00	20.91	Pass	Horizontal
3	207.9336	150	149	-35.32	-13.00	22.32	Pass	Horizontal
4	265.7572	150	92	-35.56	-13.00	22.56	Pass	Horizontal
5	309.2218	150	343	-37.65	-13.00	24.65	Pass	Horizontal
6	362.1944	150	188	-40.04	-13.00	27.04	Pass	Horizontal
7	1692.8000	150	325	-56.42	-13.00	43.42	Pass	Horizontal
8	2539.2000	150	188	-52.79	-13.00	39.79	Pass	Horizontal
9	3185.6000	150	294	-50.33	-13.00	37.33	Pass	Horizontal
10	5965.6483	150	122	-49.44	-13.00	36.44	Pass	Horizontal
11	9704.5852	150	190	-43.91	-13.00	30.91	Pass	Horizontal
12	14436.5718	150	190	-40.42	-13.00	27.42	Pass	Horizontal

Mode:	HSUPA Traffic		
Band:	V	Channel:	4232
Remark:			

NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	97.9136	150	112	-44.58	-13.00	31.58	Pass	Vertical
2	138.8558	150	170	-39.61	-13.00	26.61	Pass	Vertical
3	181.5443	150	305	-35.10	-13.00	22.10	Pass	Vertical
4	203.8588	150	227	-39.34	-13.00	26.34	Pass	Vertical
5	265.3691	150	325	-43.04	-13.00	30.04	Pass	Vertical
6	310.3861	150	287	-45.08	-13.00	32.08	Pass	Vertical
7	1692.8000	150	305	-55.86	-13.00	42.86	Pass	Vertical
8	2539.2000	150	34	-53.22	-13.00	40.22	Pass	Vertical
9	3185.6000	150	88	-51.86	-13.00	38.86	Pass	Vertical
10	6508.6754	150	191	-48.40	-13.00	35.40	Pass	Vertical
11	9690.3345	150	122	-44.11	-13.00	31.11	Pass	Vertical
12	14264.8132	150	24	-40.29	-13.00	27.29	Pass	Vertical

Note:

Scan from 9kHz to 25GHz, the disturbance above 15GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.