6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0

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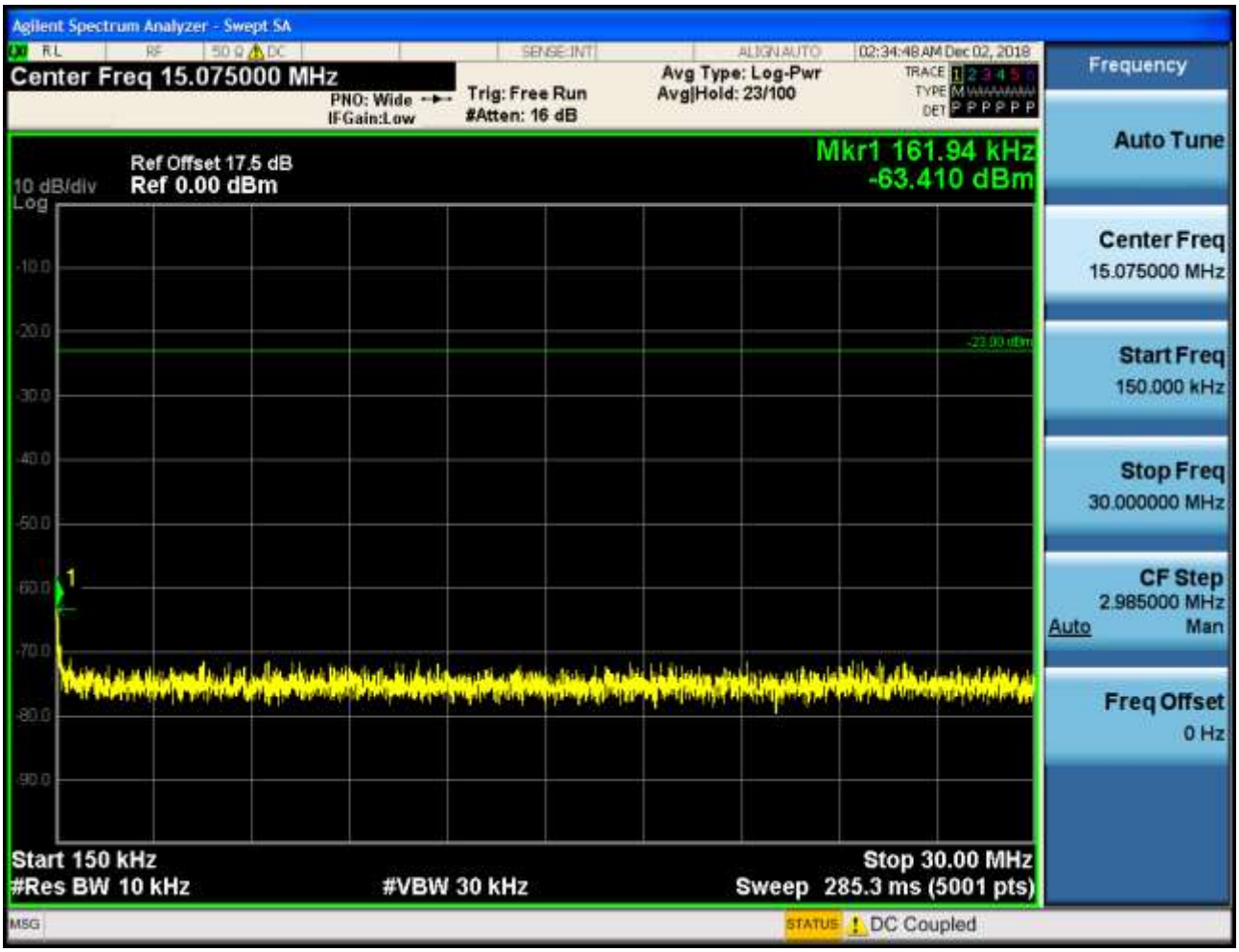
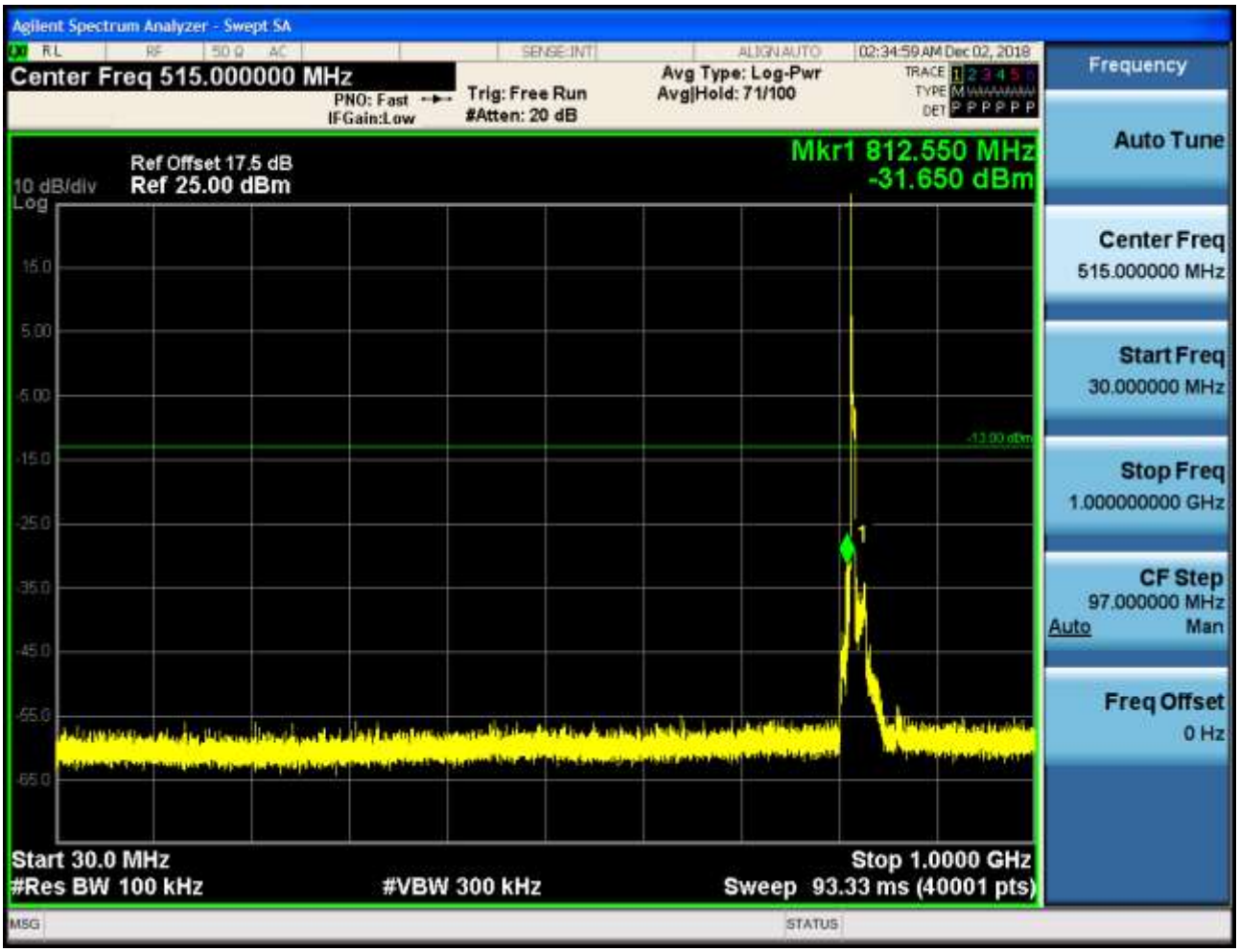

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:34:48 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 161.94 kHz
-63.410 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 71/100
02:34:59 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 812.550 MHz
-31.650 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 63/100
02:35:09 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.634 21 GHz
-34.161 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0

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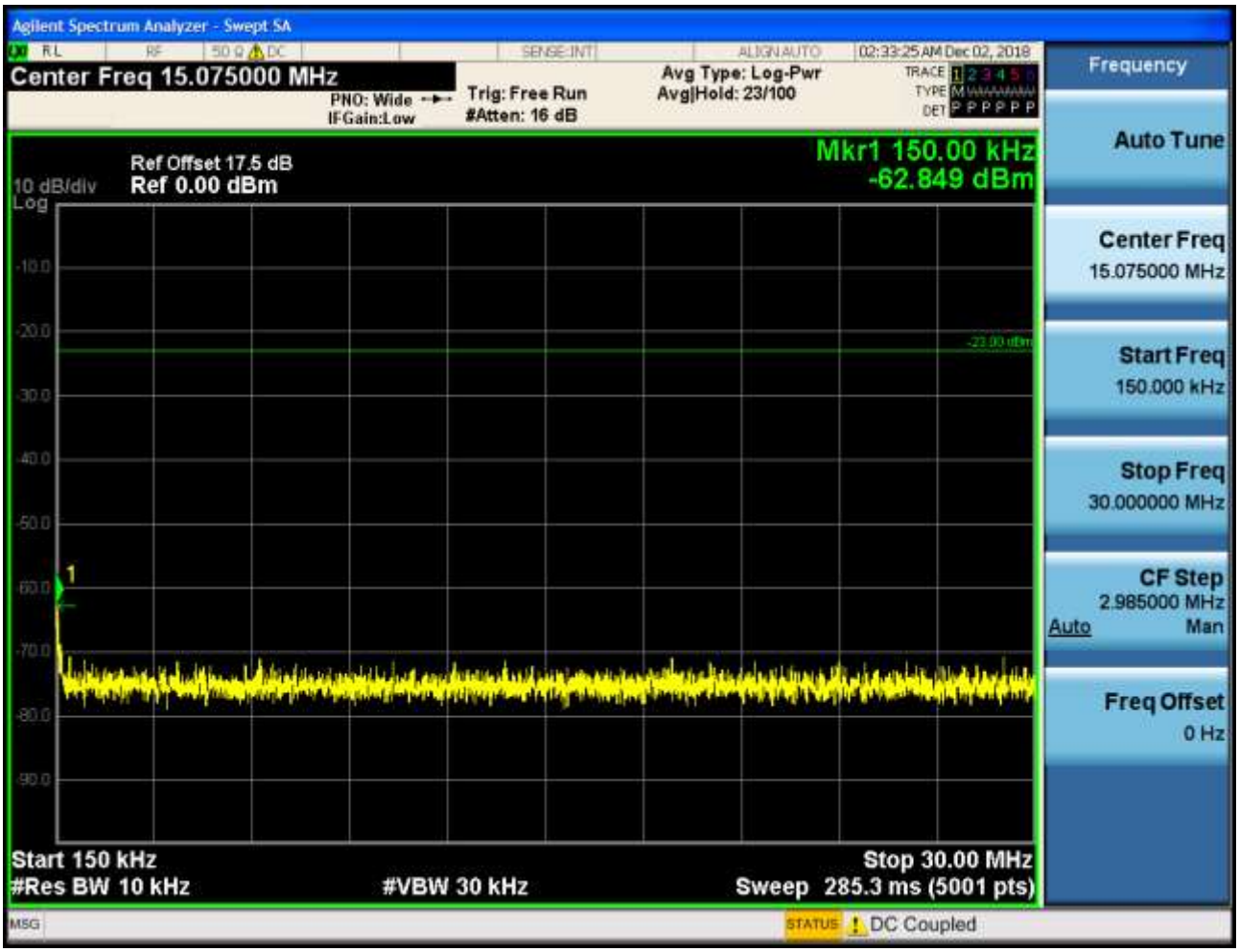
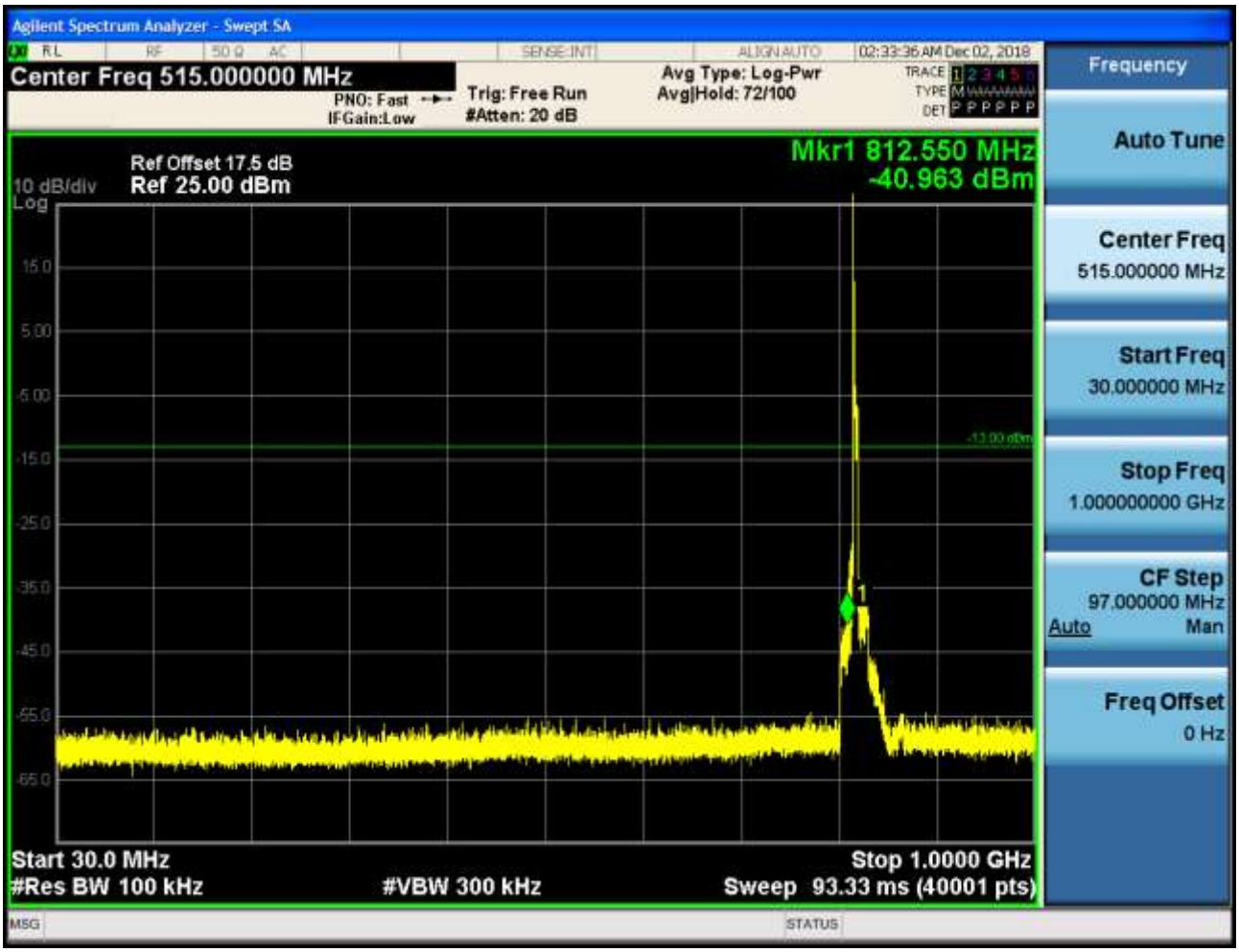

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:33:25 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 150.00 kHz
-62.849 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 72/100
02:33:36 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 812.550 MHz
-40.963 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 62/100
02:33:45 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.639 49 GHz
-35.684 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.1.4 Test Bandwidth = 10

6.2.1.1.4.1 Test Channel = MCH

6.2.1.1.4.1.1 Test RB = RB1#0

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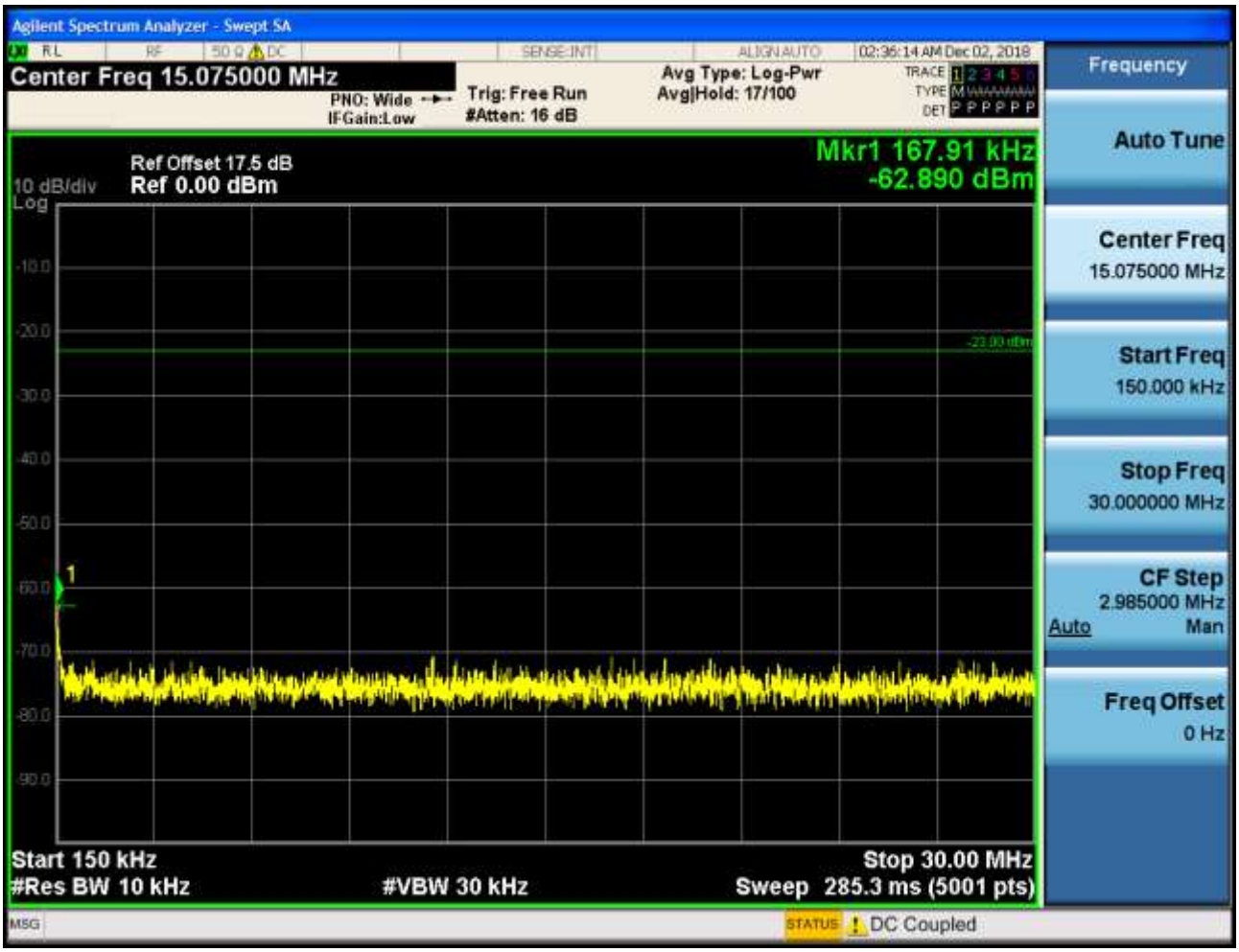
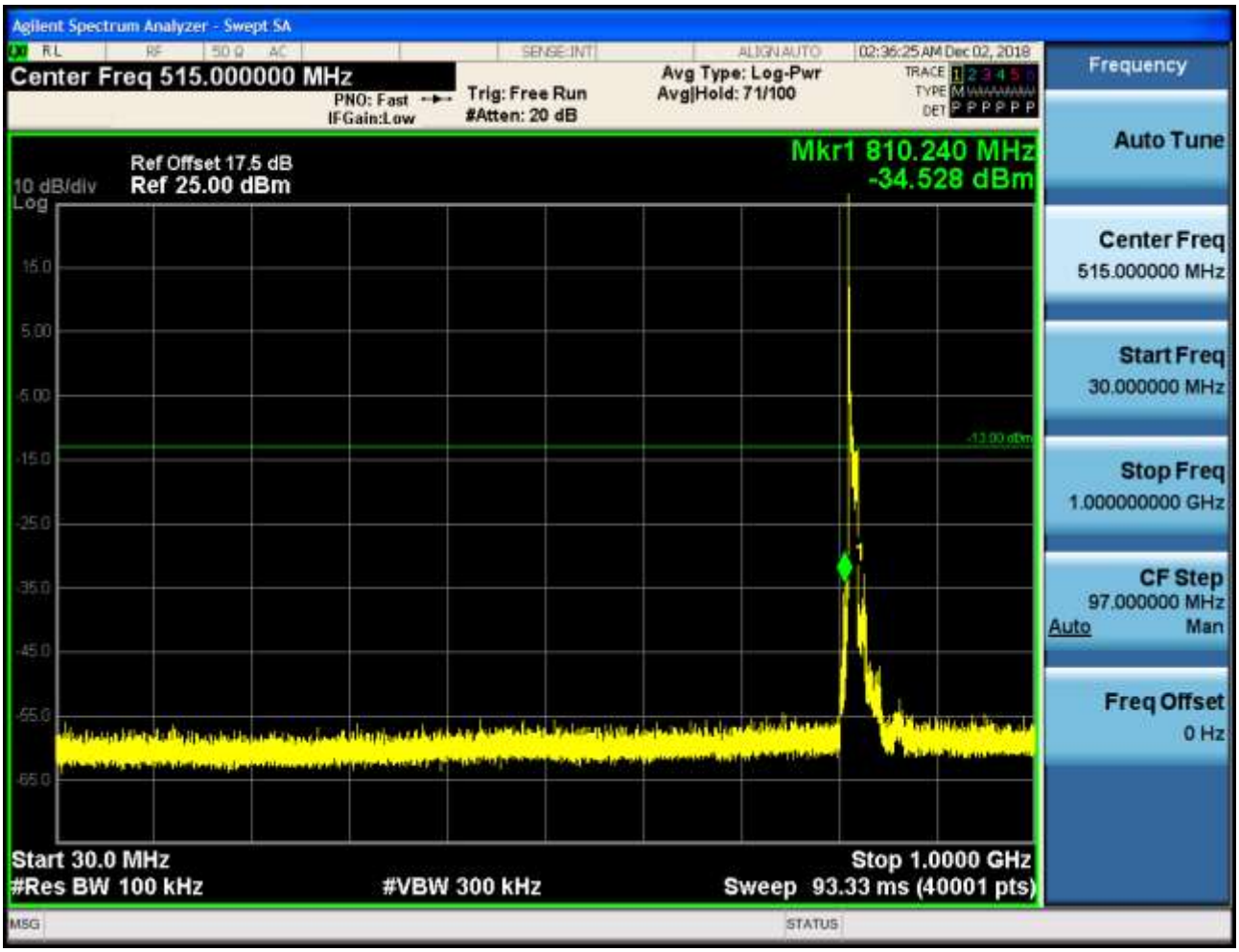

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 17/100
02:36:14 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 167.91 kHz
-62.890 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 71/100
02:36:25 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 810.240 MHz
-34.528 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 63/100
02:36:35 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.629 51 GHz
-34.164 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 1.4

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0

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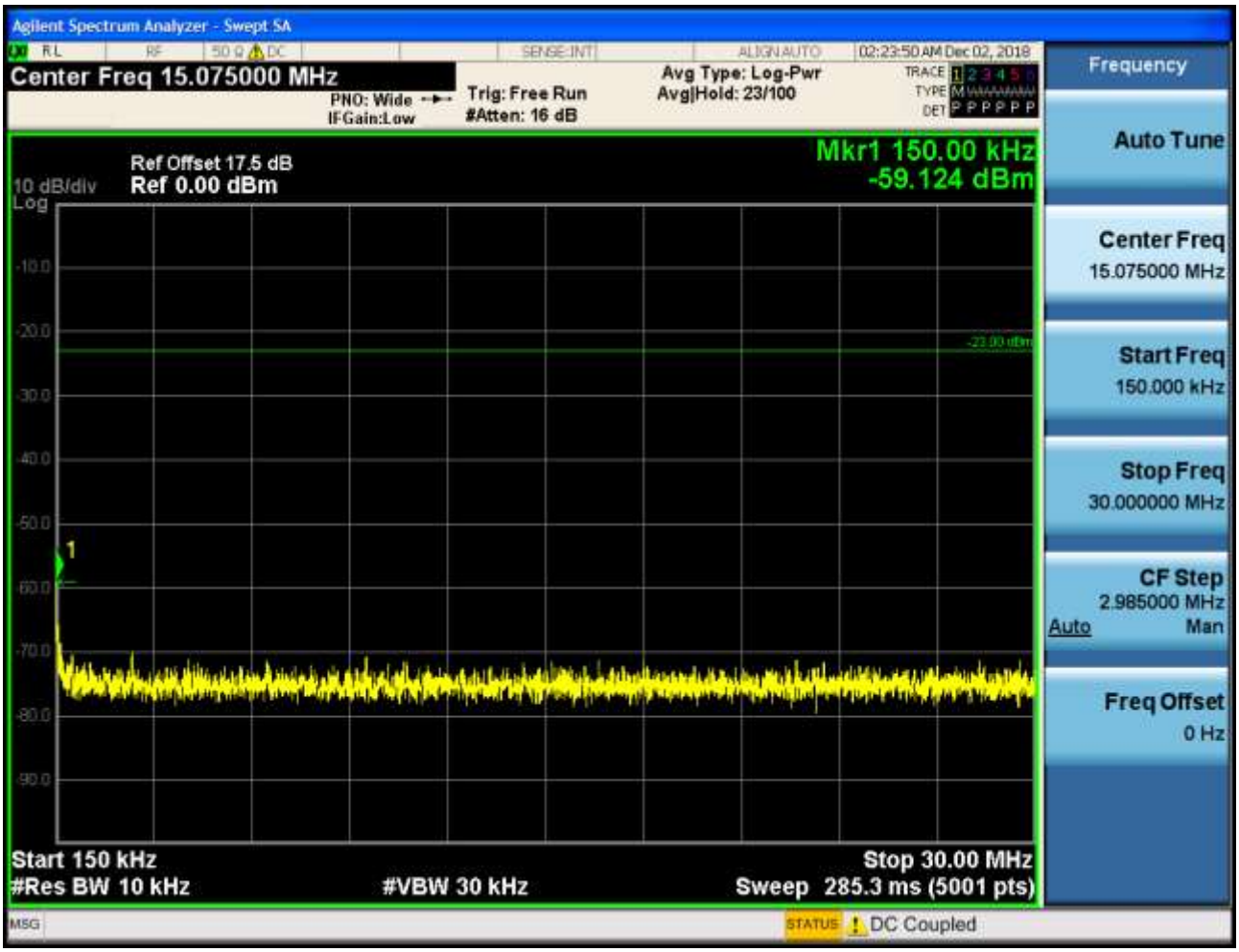
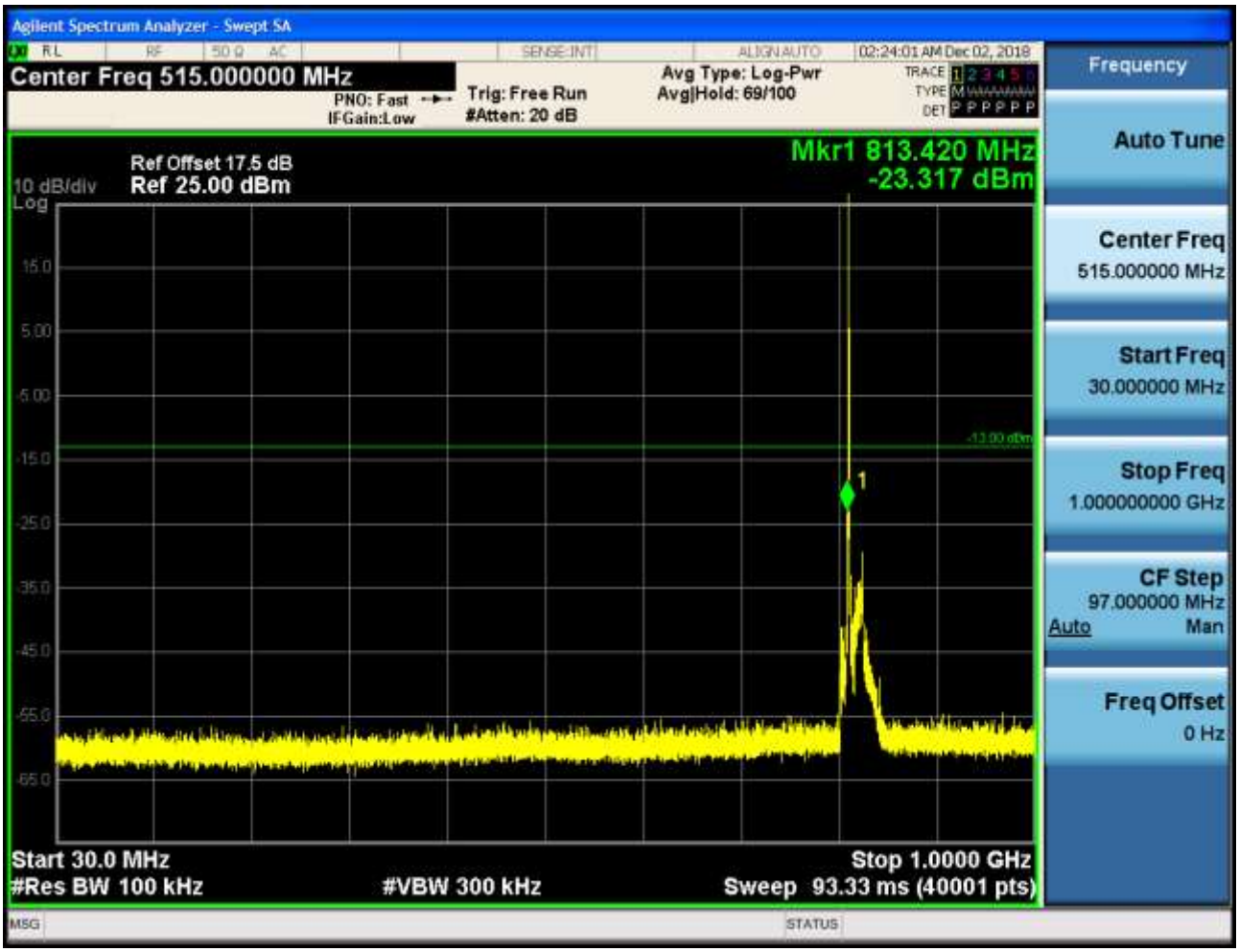

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:23:50 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 150.00 kHz
-59.124 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 69/100
02:24:01 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 813.420 MHz
-23.317 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 63/100
02:24:10 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.629 21 GHz
-34.648 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0

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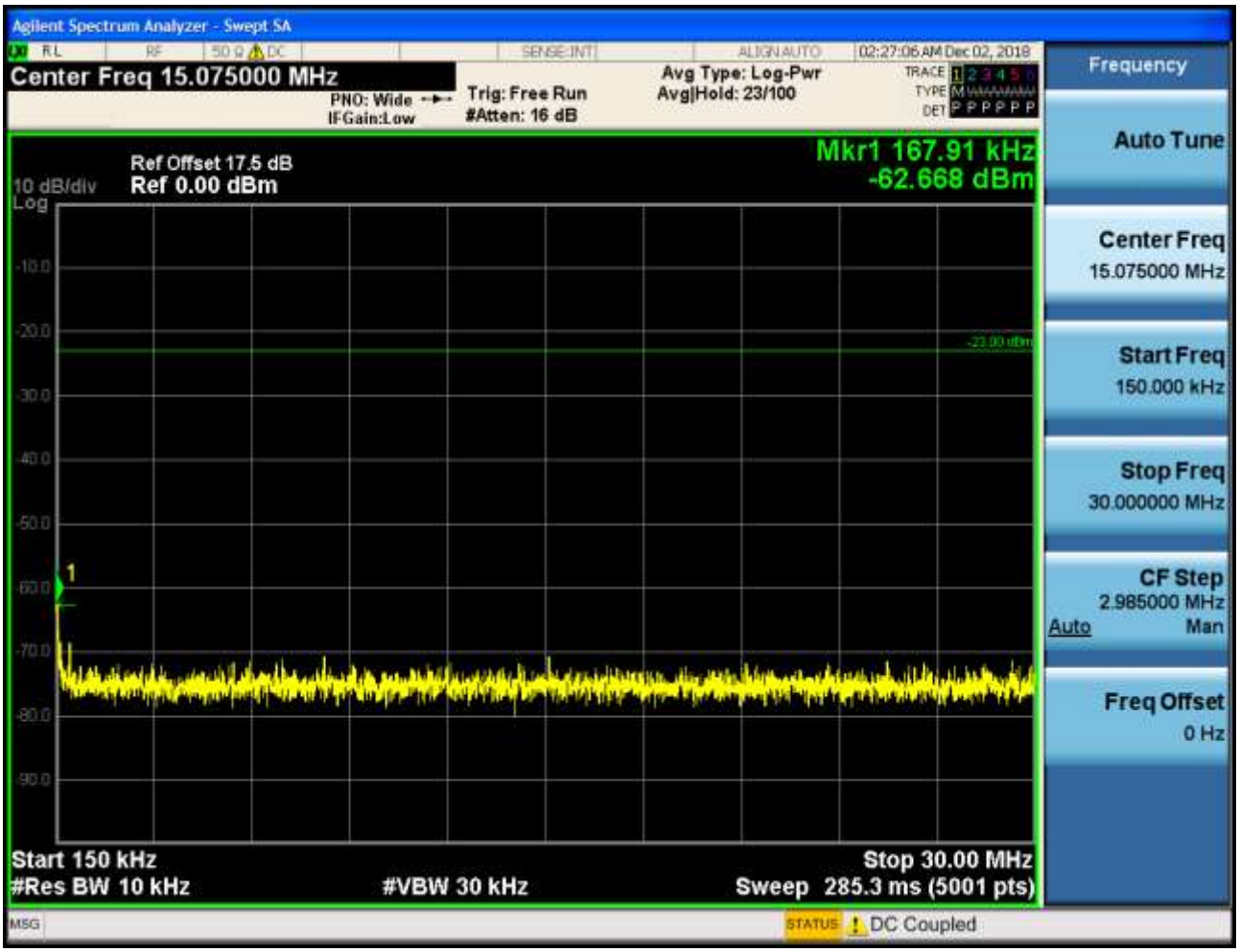
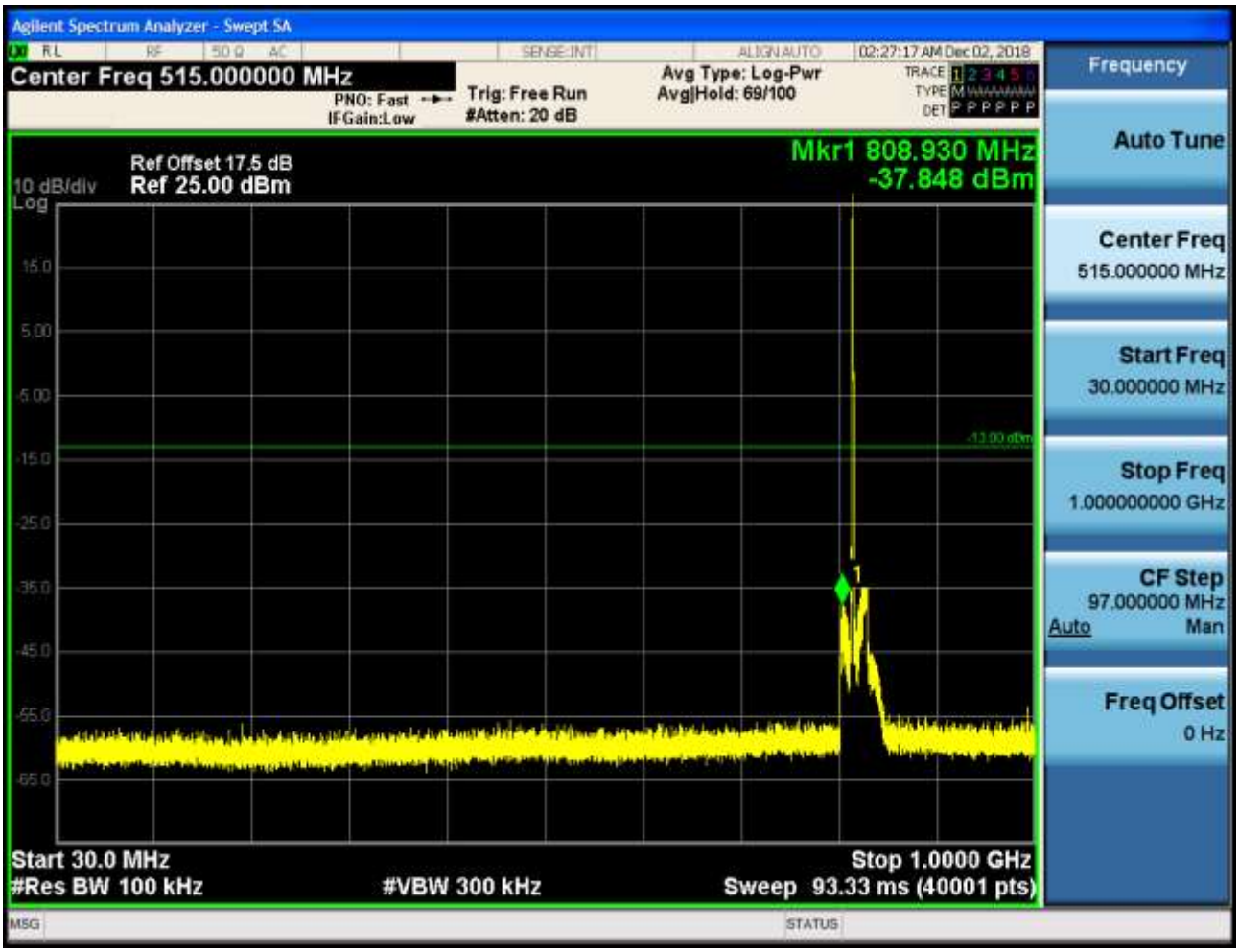

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:27:06 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 167.91 kHz
-62.668 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 69/100
02:27:17 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 808.930 MHz
-37.848 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

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6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0

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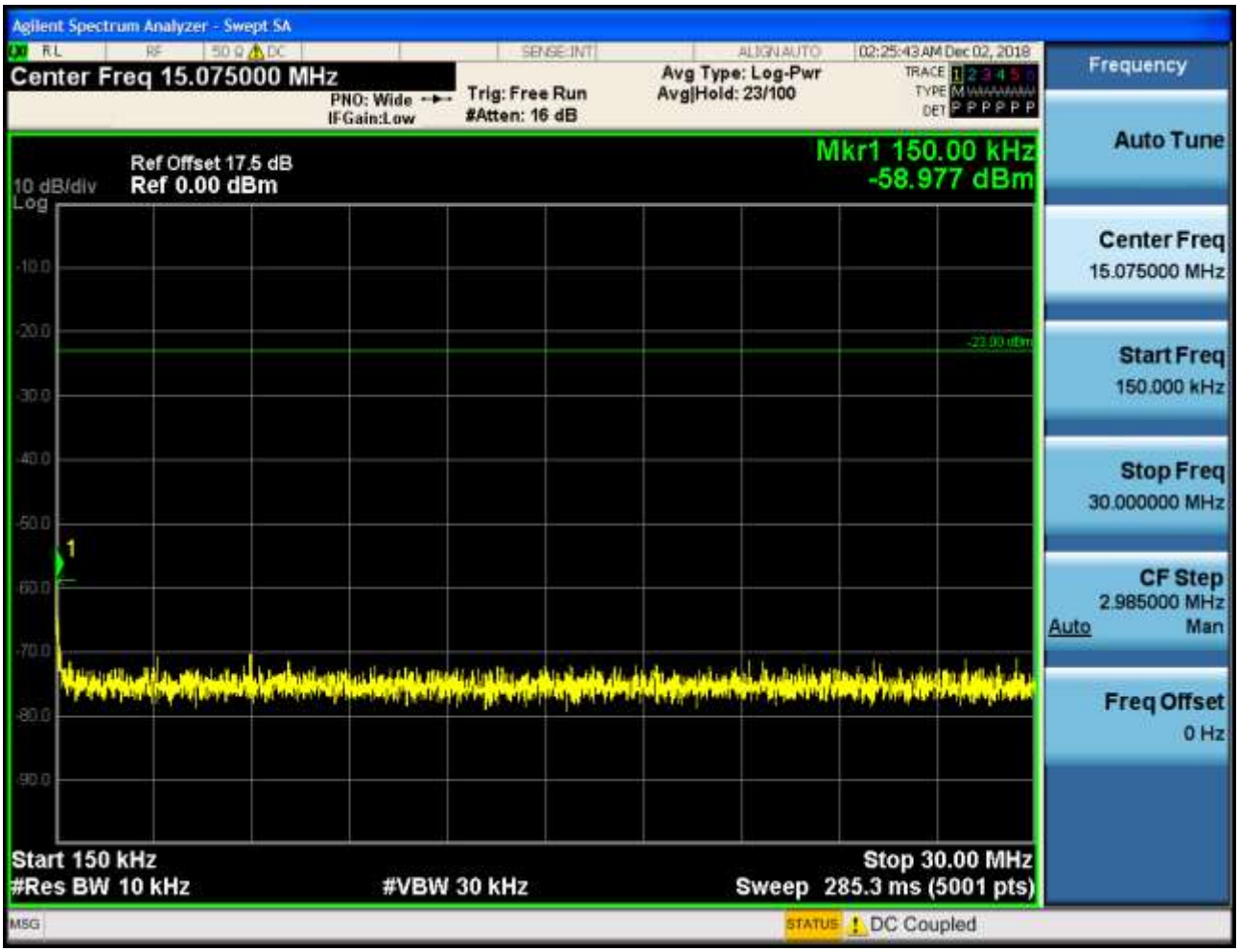
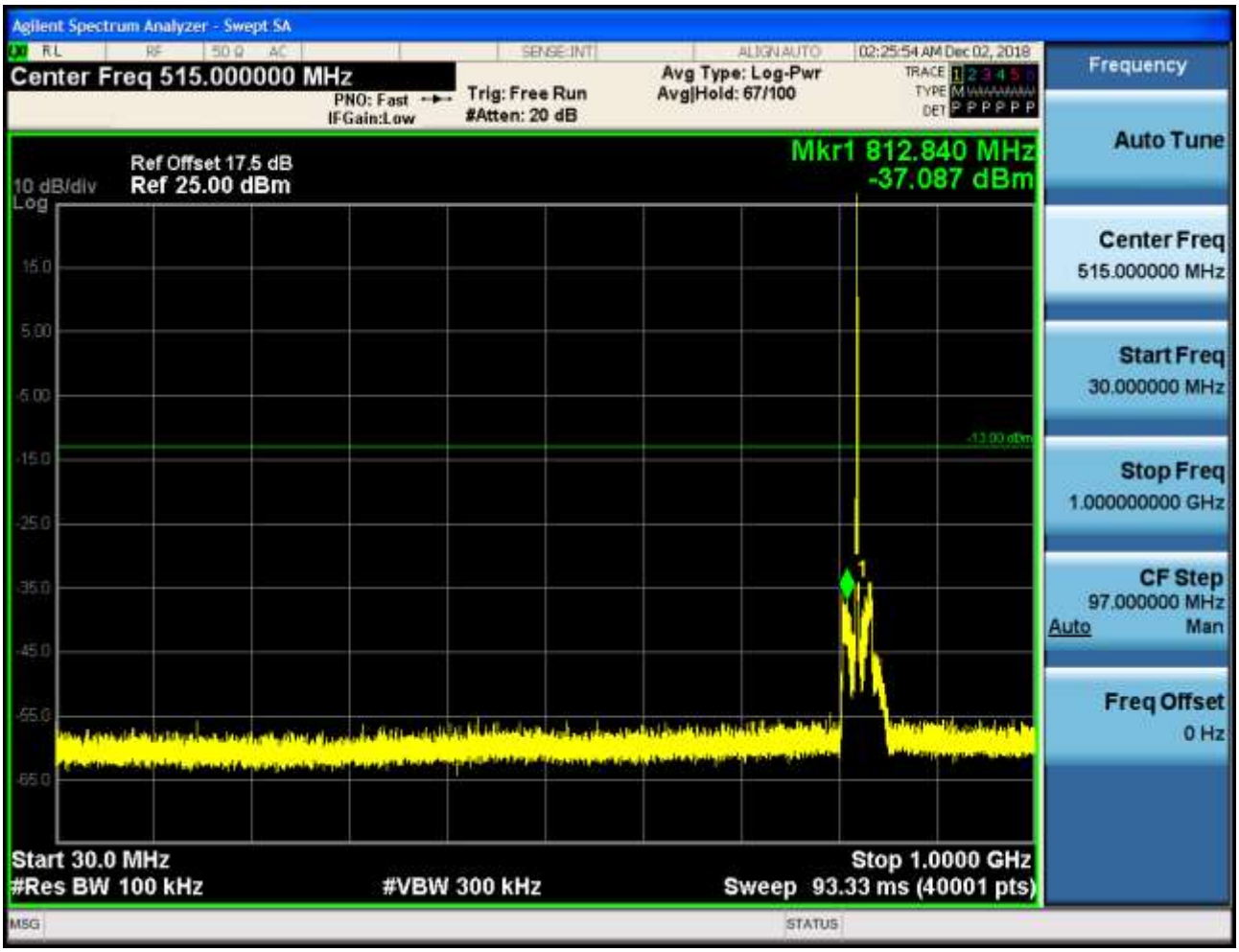

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:25:43 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 150.00 kHz
-58.977 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz

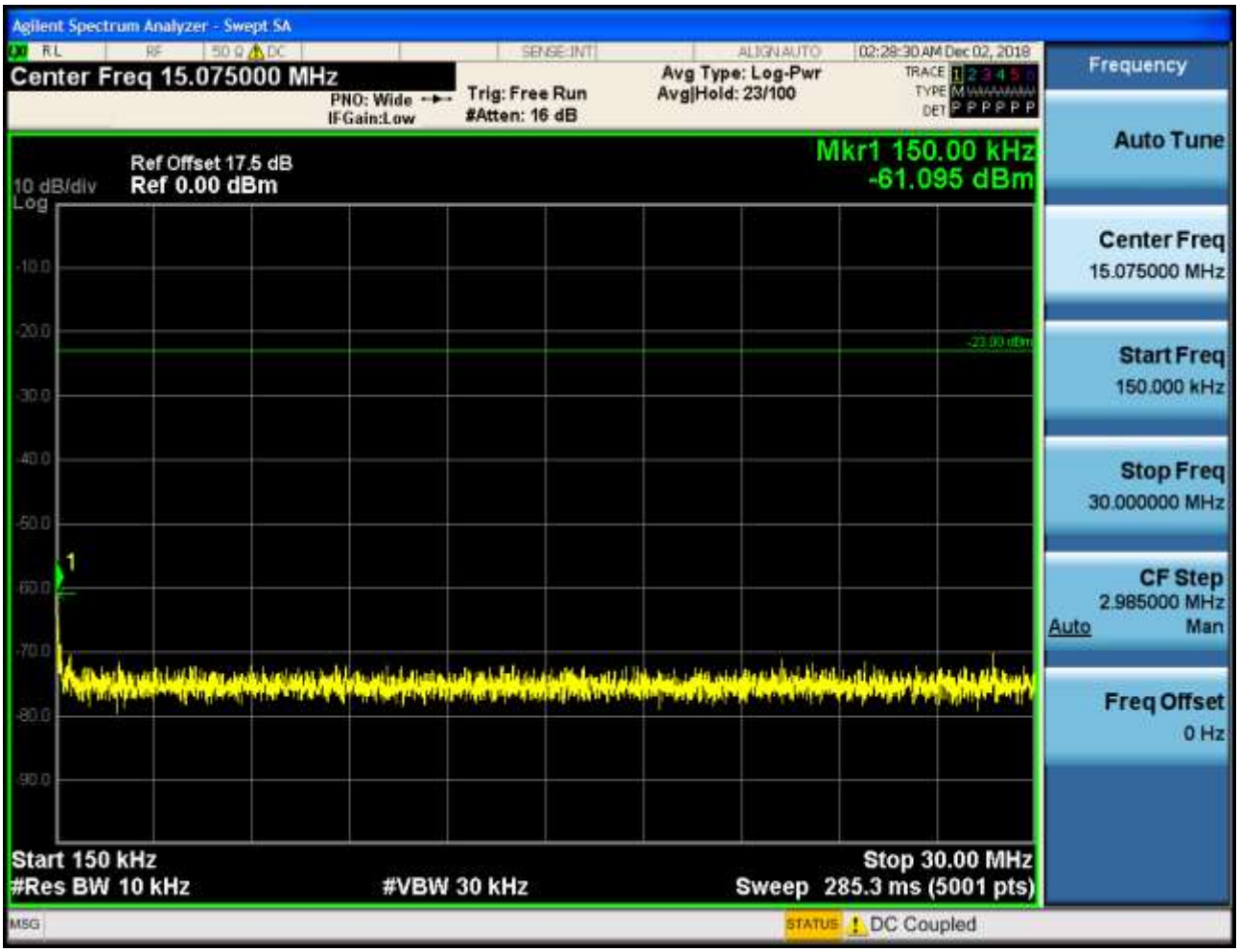

Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 67/100
02:25:54 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 812.840 MHz
-37.087 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

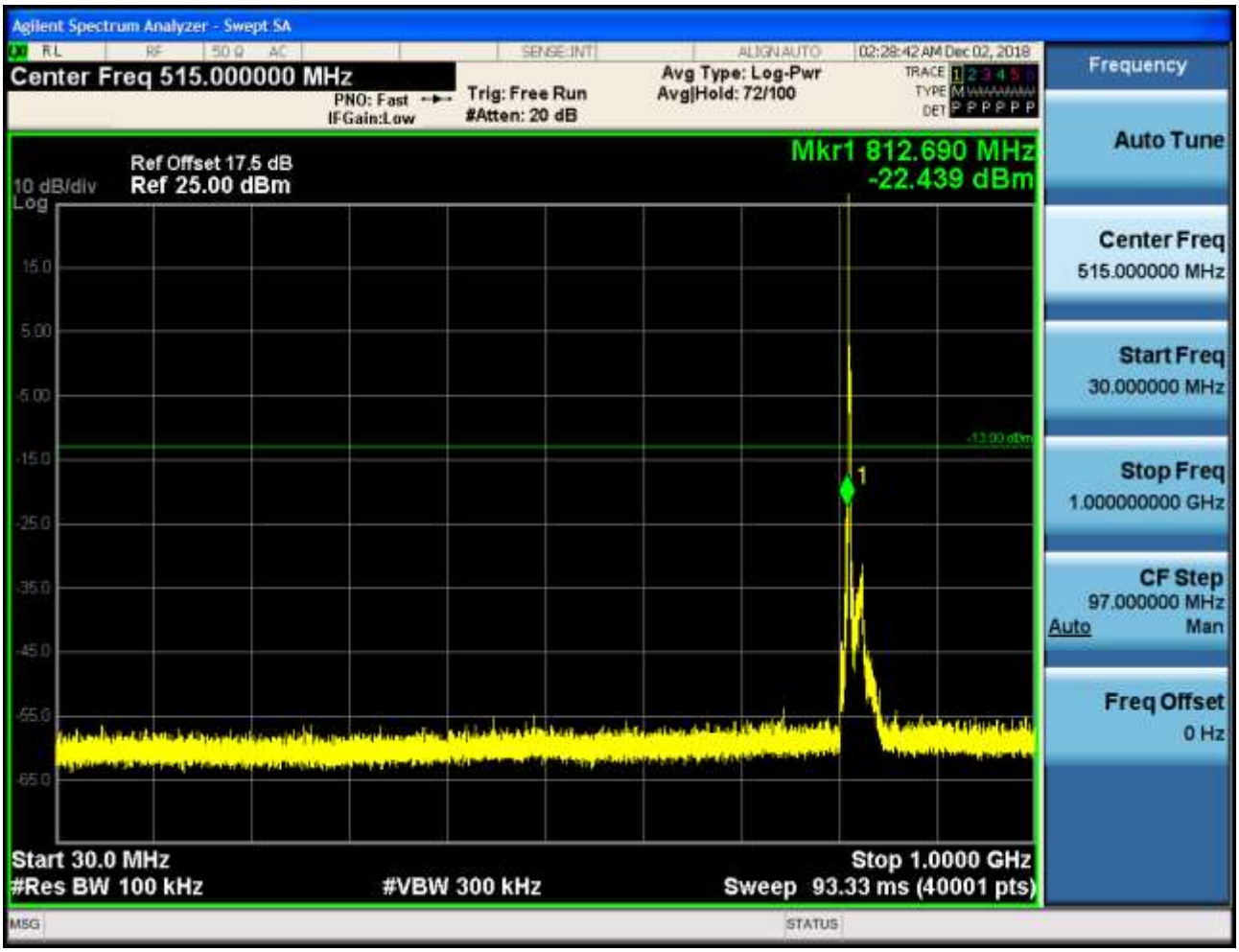
Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 63/100
02:26:04 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.646 25 GHz
-36.586 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

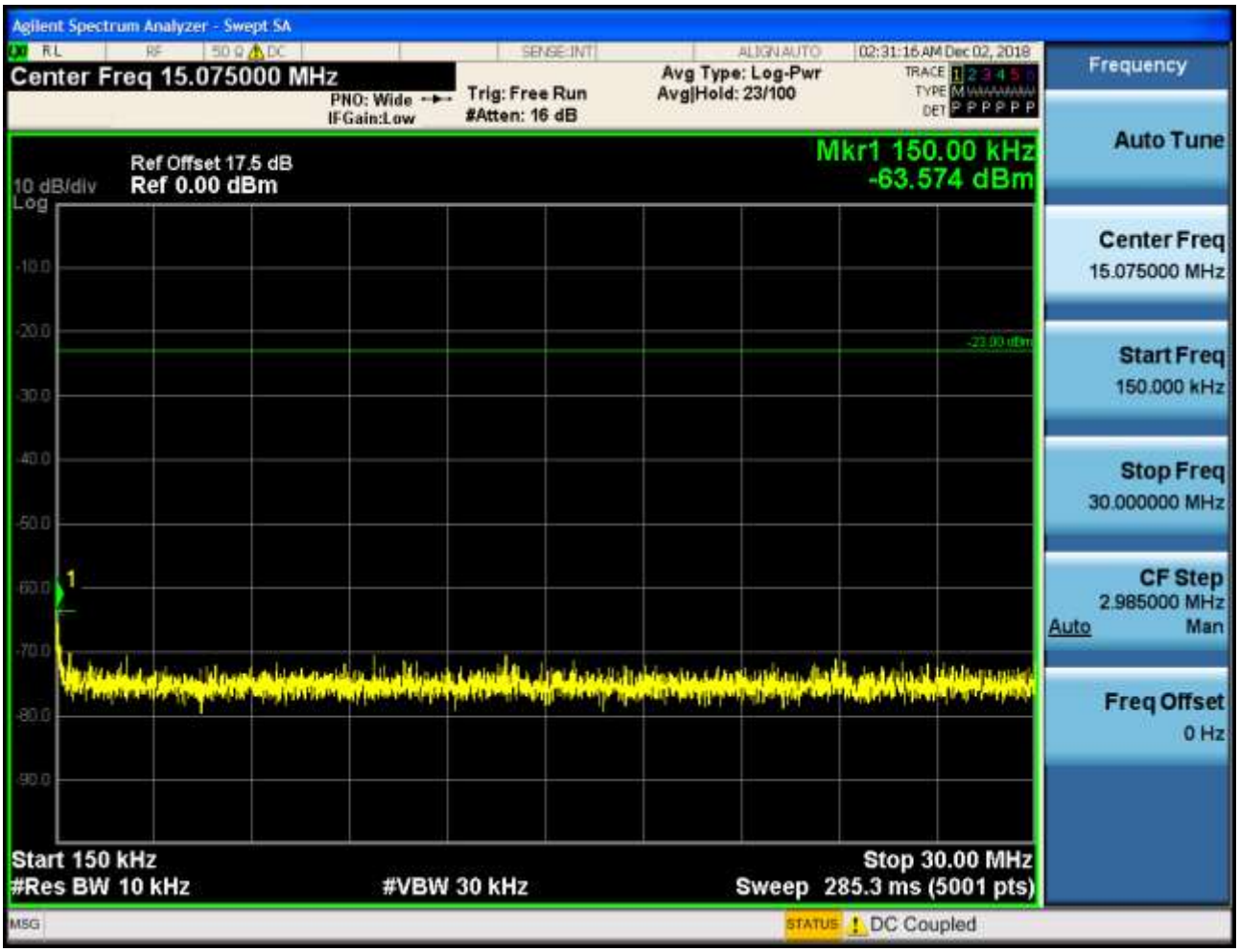

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:28:30 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 150.00 kHz
-61.095 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz

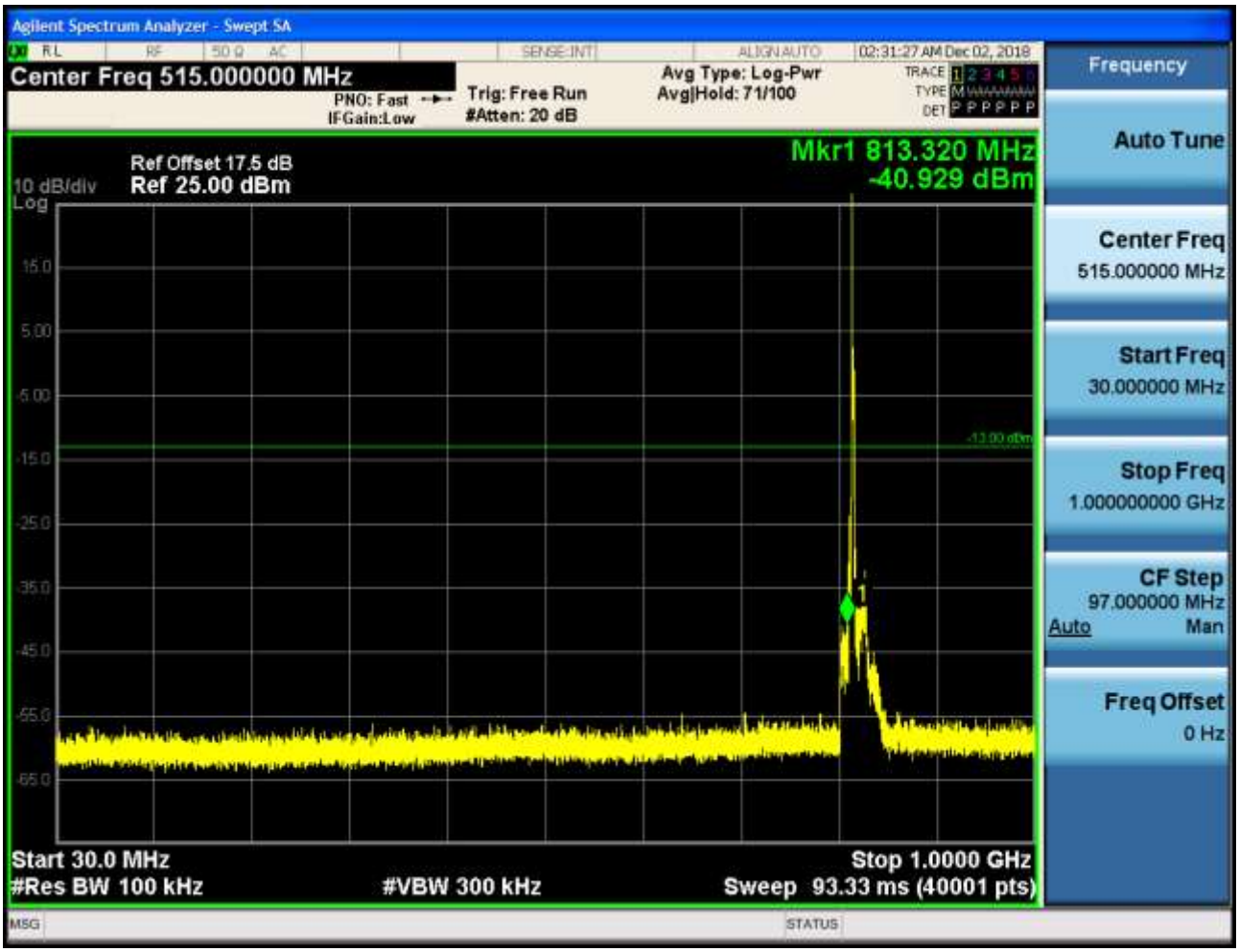

Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 72/100
02:28:42 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 812.690 MHz
-22.439 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 63/100
02:28:51 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.628 92 GHz
-36.176 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0

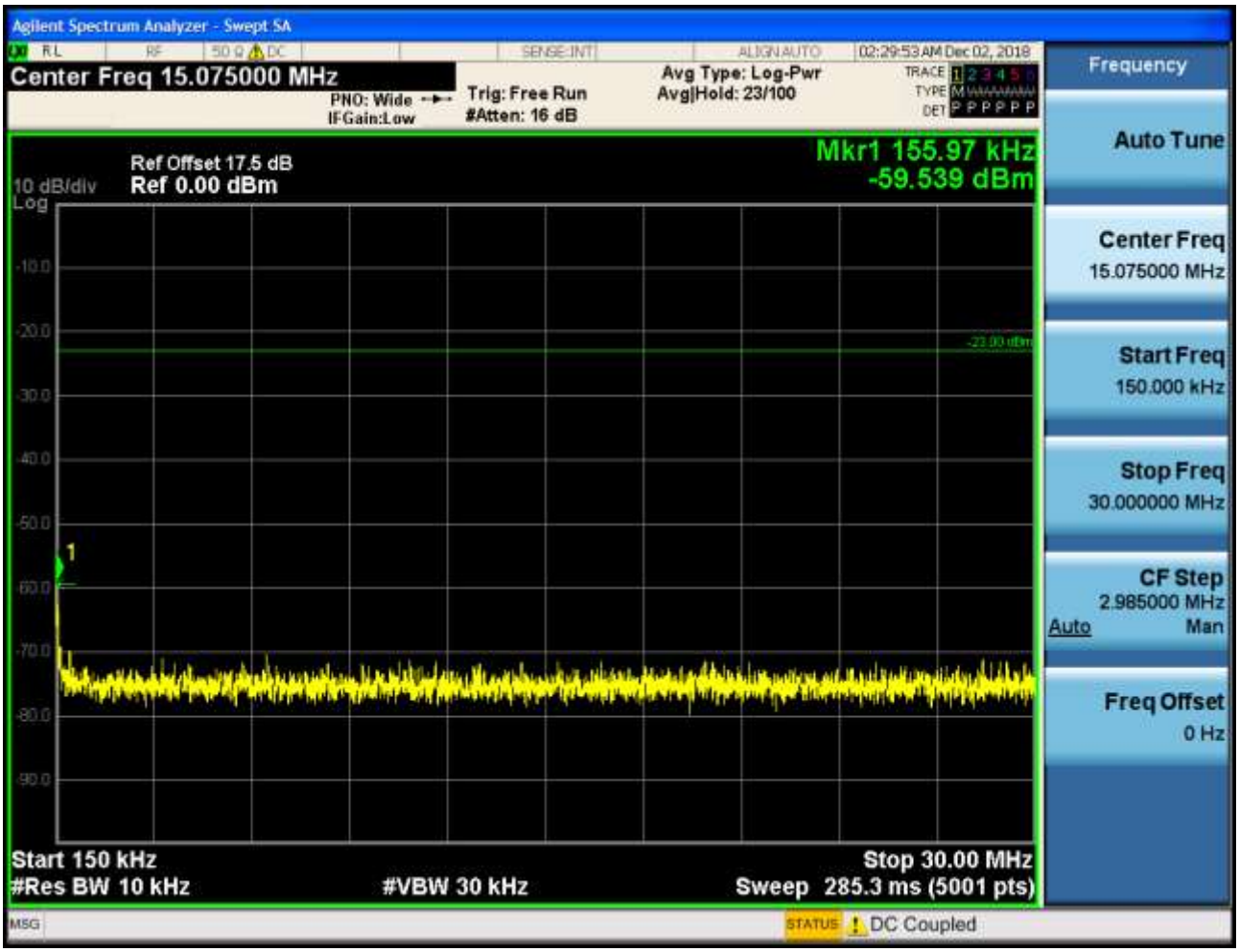

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:31:16 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 150.00 kHz
-63.574 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz

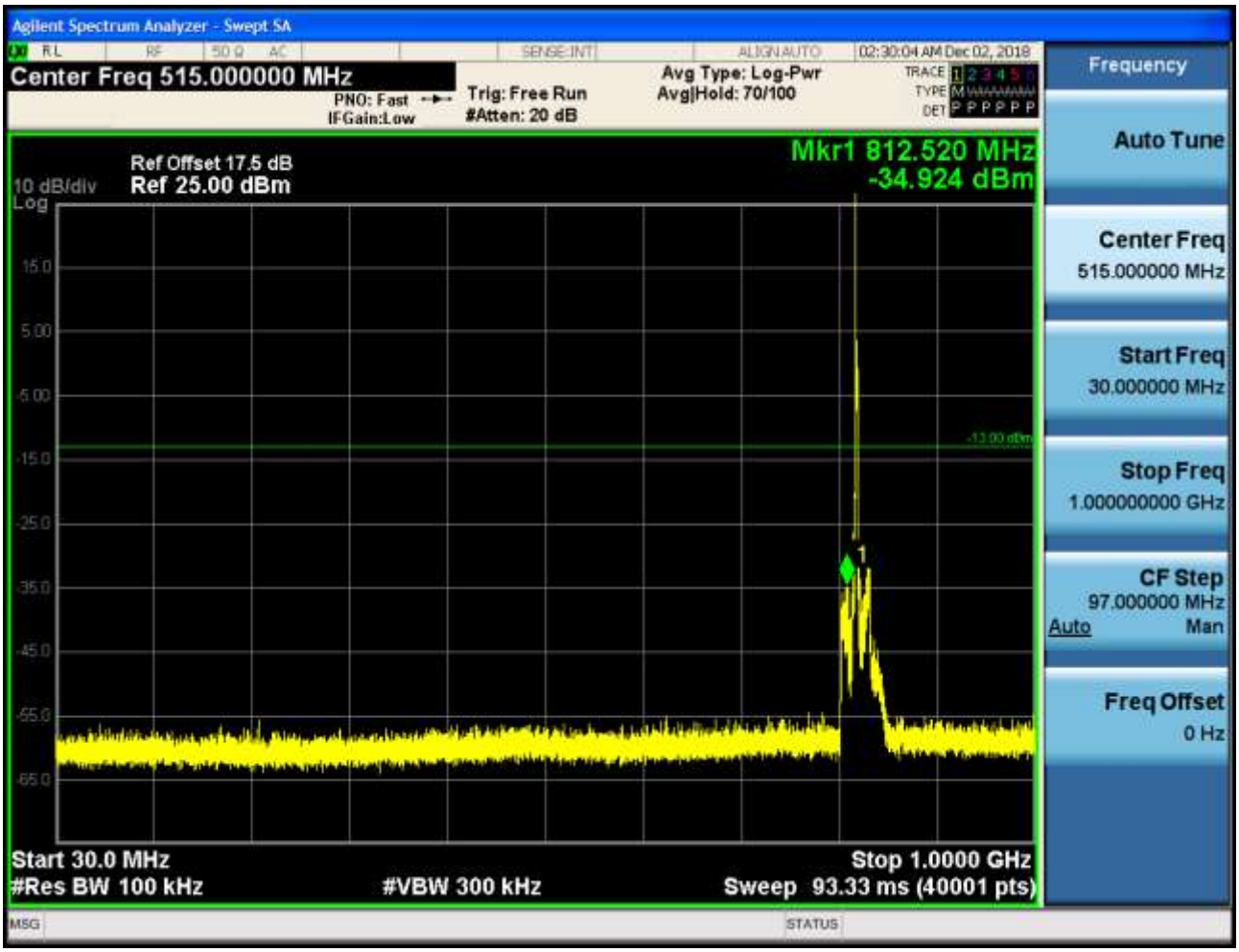

Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 71/100
02:31:27 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 813.320 MHz
-40.929 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 62/100
02:31:37 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.635 97 GHz
-34.271 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:29:53 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 155.97 kHz
-59.539 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 70/100
02:30:04 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 812.520 MHz
-34.924 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 62/100
02:30:14 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.643 02 GHz
-32.769 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0

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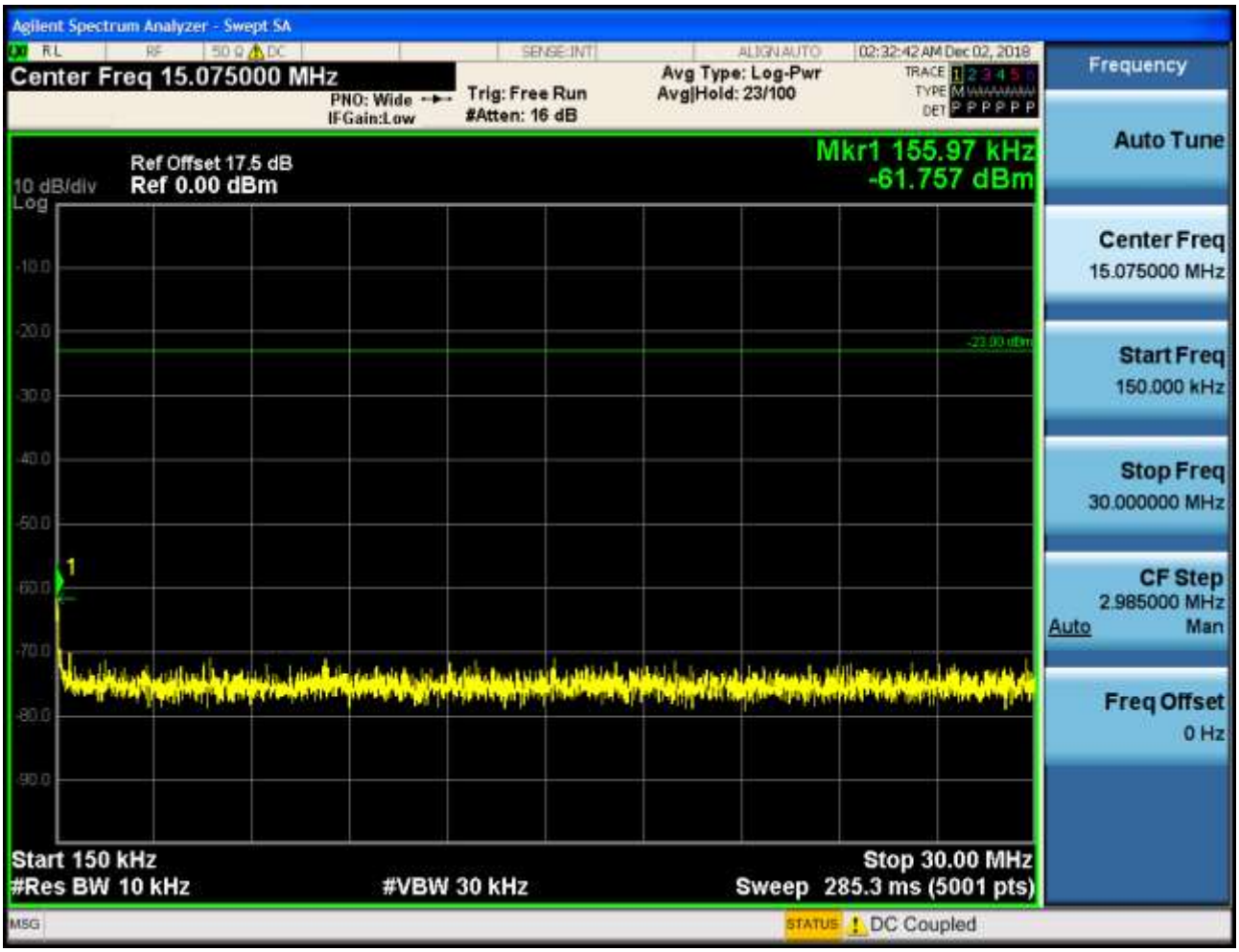
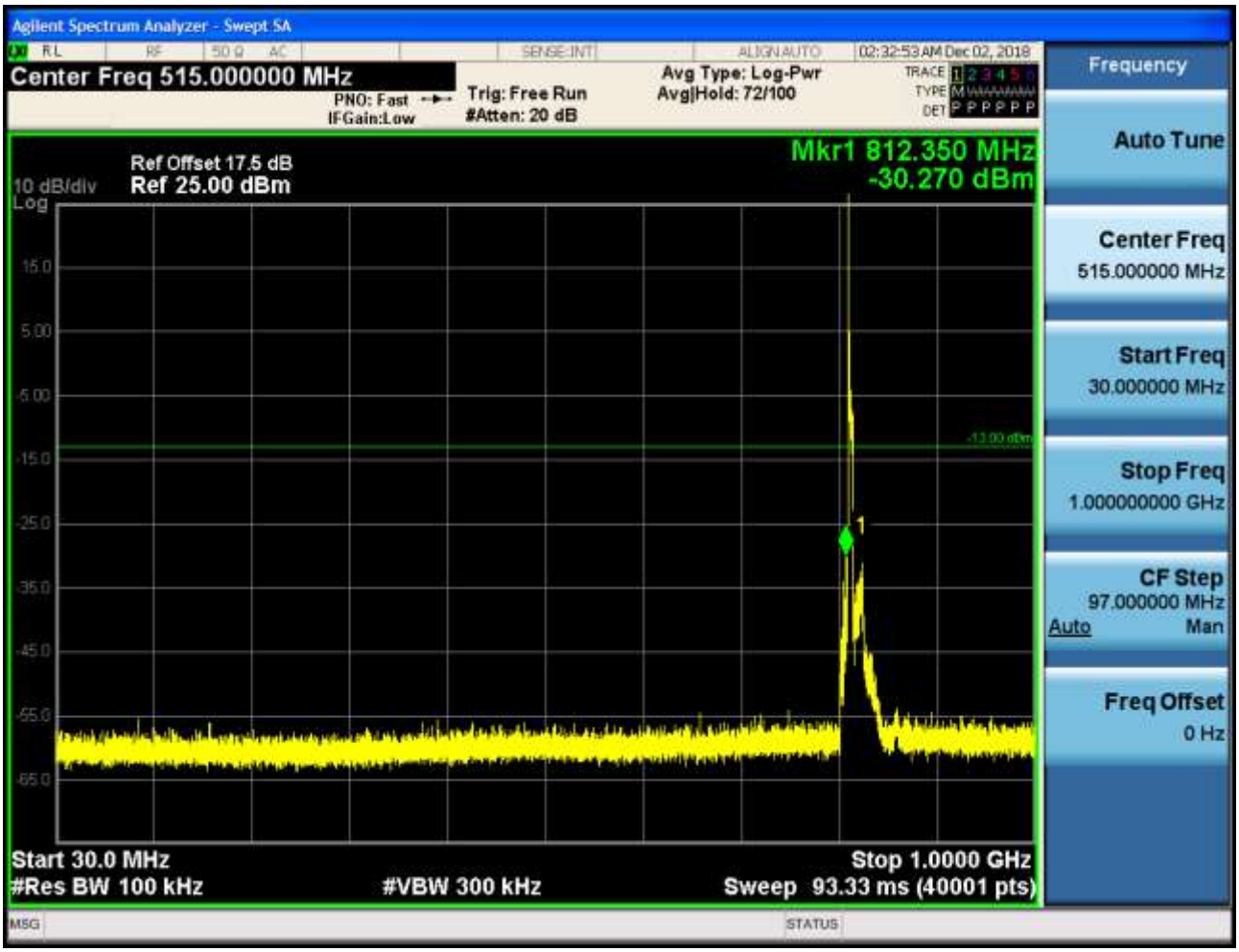

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:32:42 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 155.97 kHz
-61.757 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 72/100
02:32:53 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 812.350 MHz
-30.270 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 62/100
02:33:03 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.629 21 GHz
-33.059 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0

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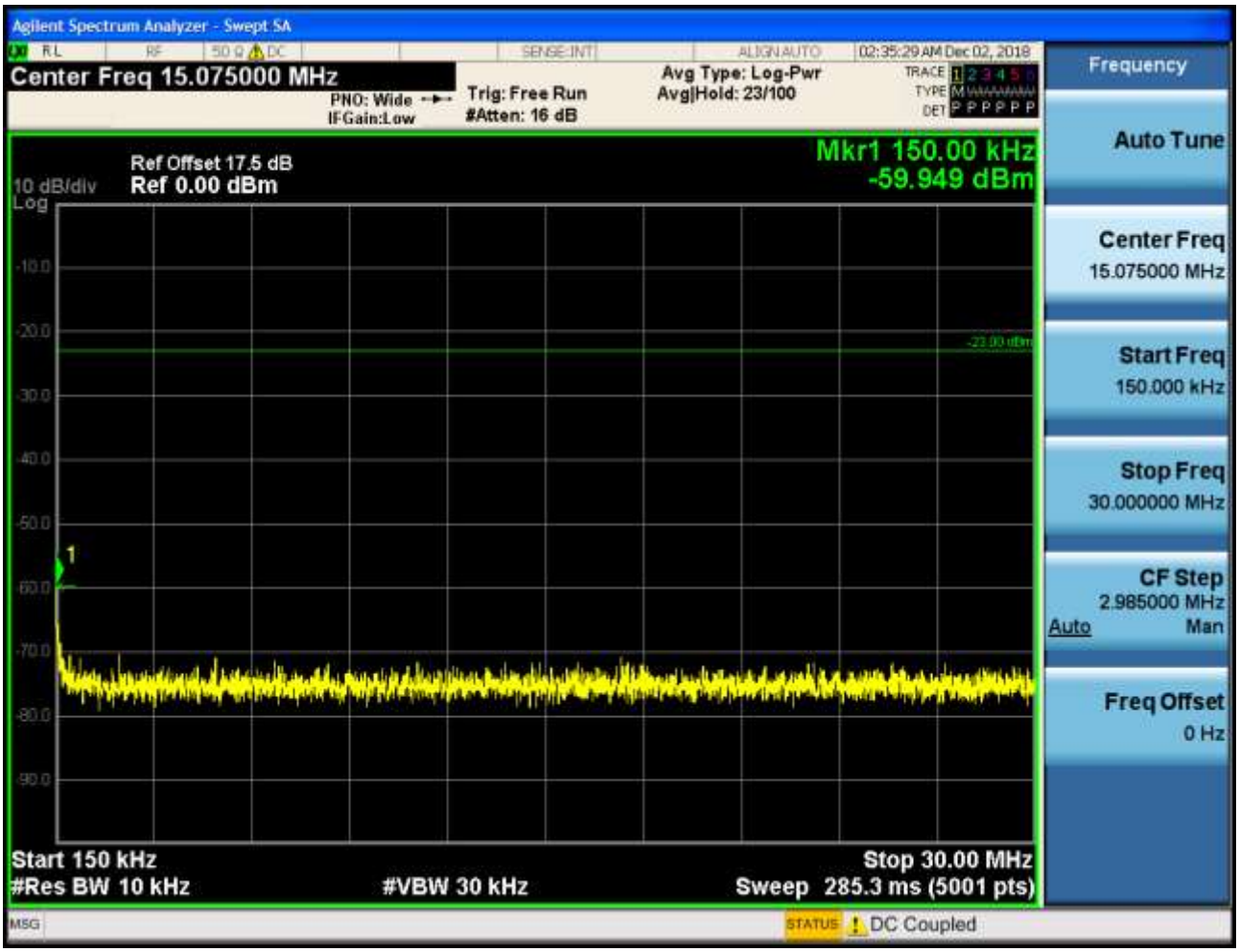
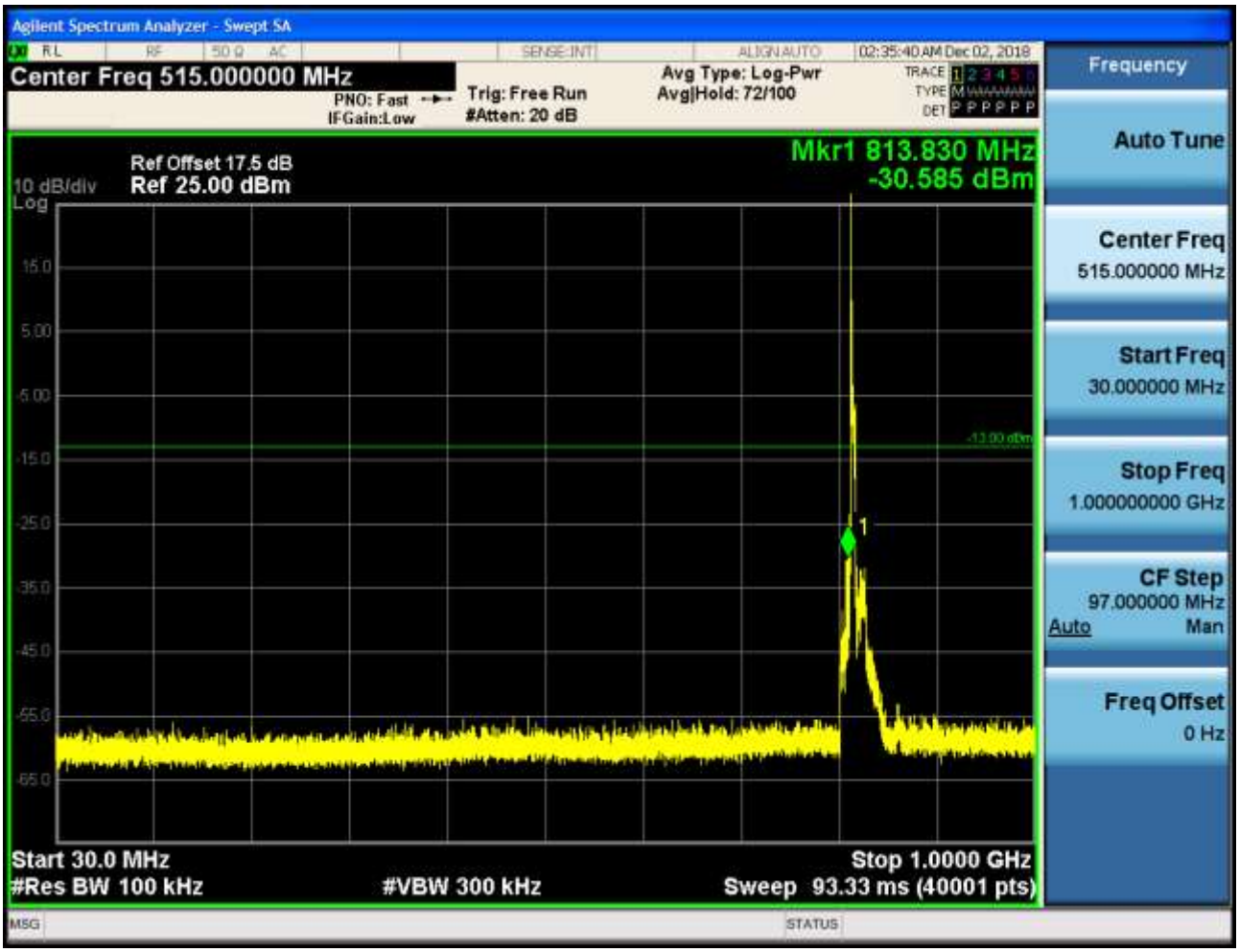

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:35:29 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 150.00 kHz
-59.949 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 72/100
02:35:40 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 813.830 MHz
-30.585 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 62/100
02:35:50 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.634 21 GHz
-35.504 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0

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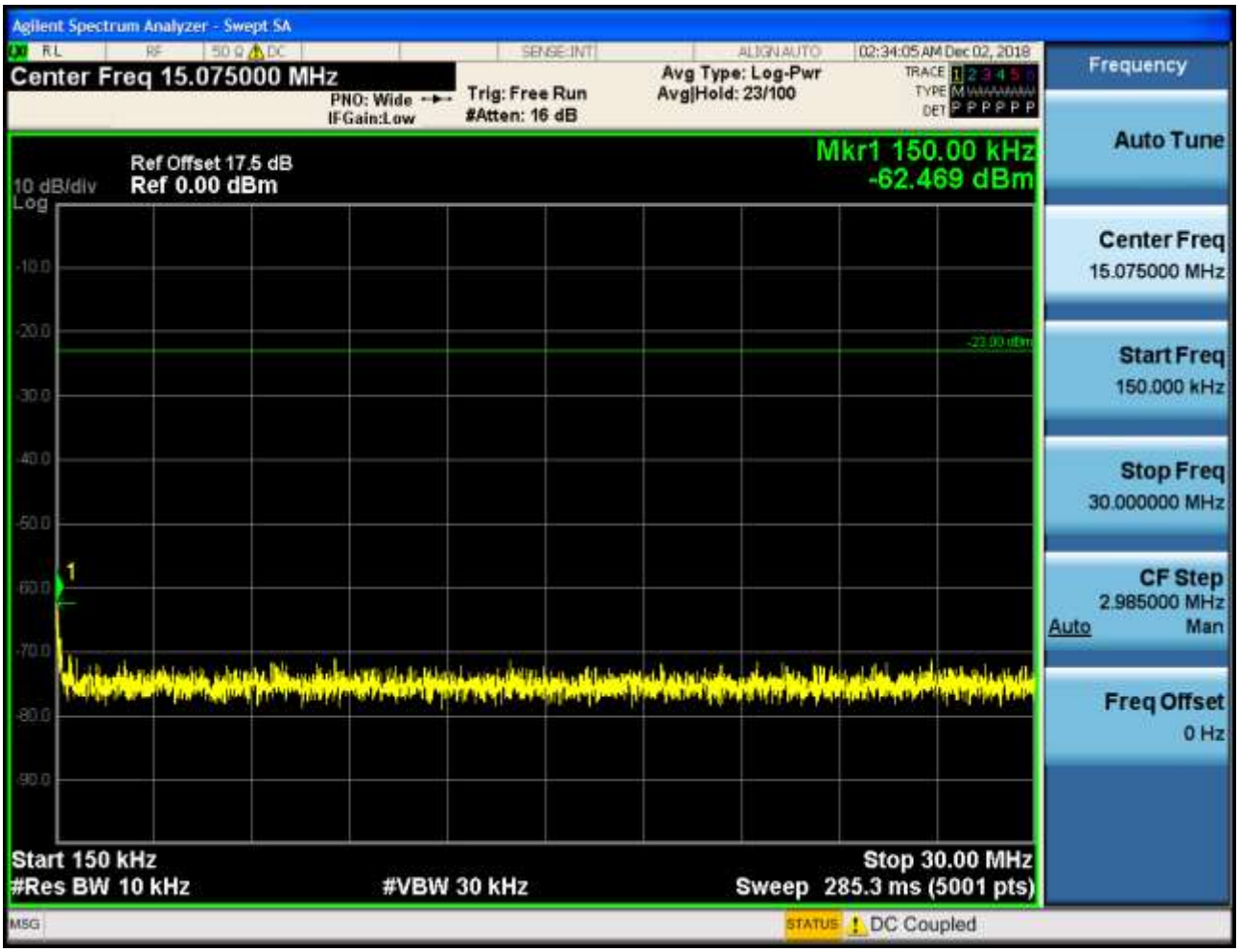
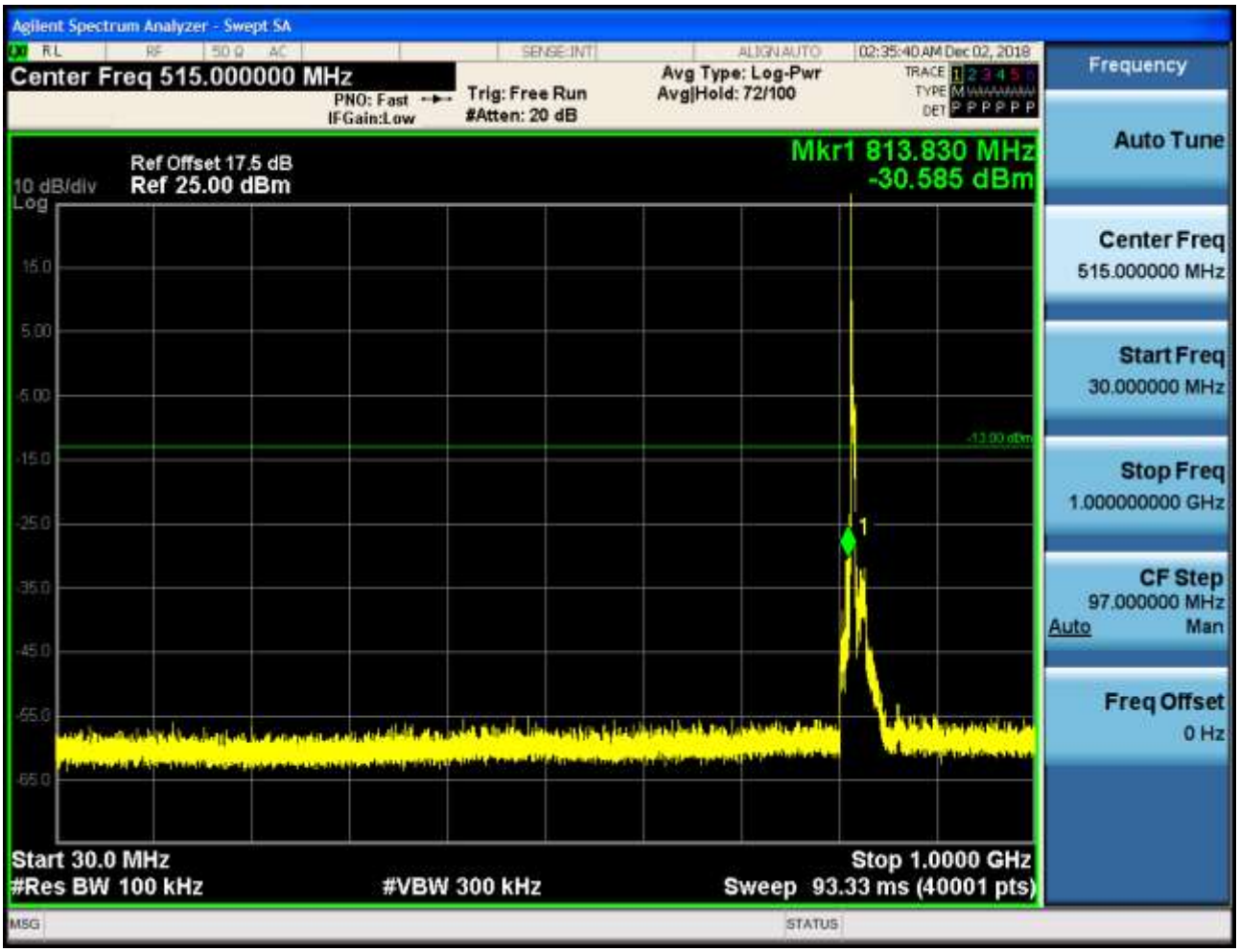

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:34:05 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 150.00 kHz
-62.469 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 72/100
02:35:40 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 813.830 MHz
-30.585 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 62/100
02:35:50 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.634 21 GHz
-35.504 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = MCH

6.2.1.2.4.1.1 Test RB = RB1#0

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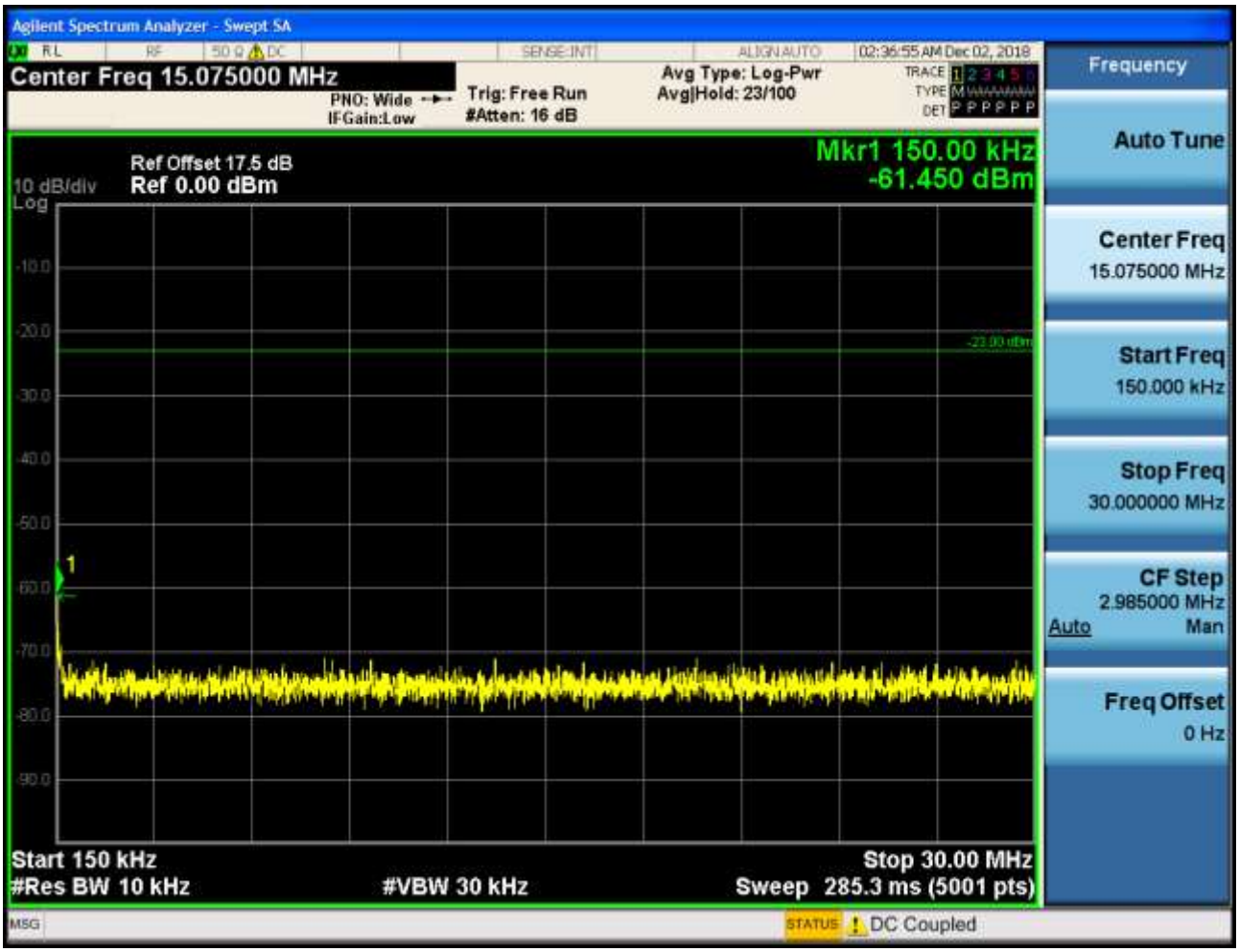
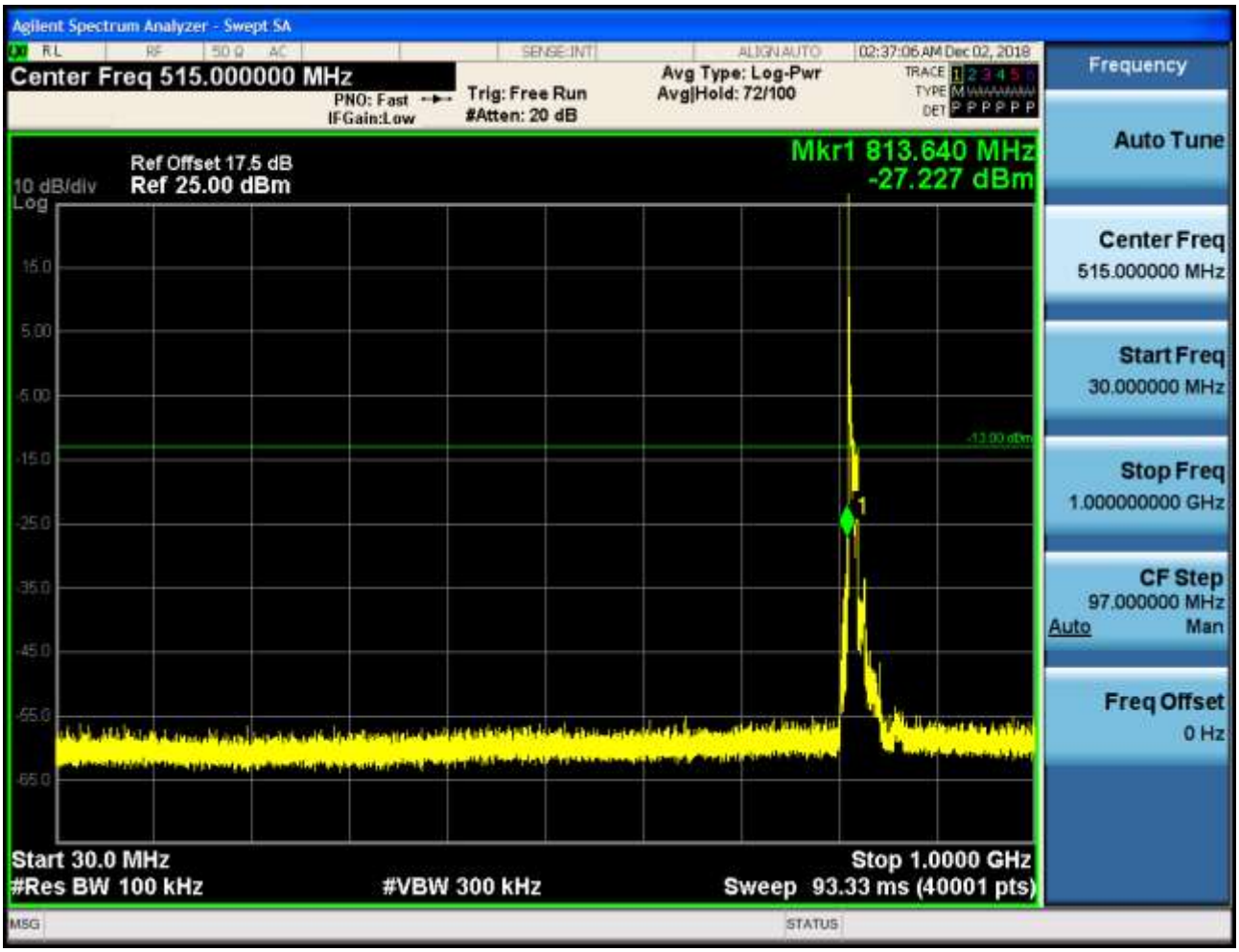

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
02:36:55 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 150.00 kHz
-61.450 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285.3 ms (5001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 515.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 72/100
02:37:06 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 813.640 MHz
-27.227 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 93.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
515.000000 MHz
Start Freq
30.000000 MHz
Stop Freq
1.000000000 GHz
CF Step
97.000000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 6.875000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 62/100
02:37:16 AM Dec 02, 2018
Ref Offset 17.5 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 1.630 09 GHz
-33.822 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 12.750 GHz
Sweep 21.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
6.875000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
12.750000000 GHz
CF Step
1.175000000 GHz
Auto
Man
Freq Offset
0 Hz

7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = Band26 (814-824 MHz_ANT1

7.1.1.1 Test Bandwidth = 1.4

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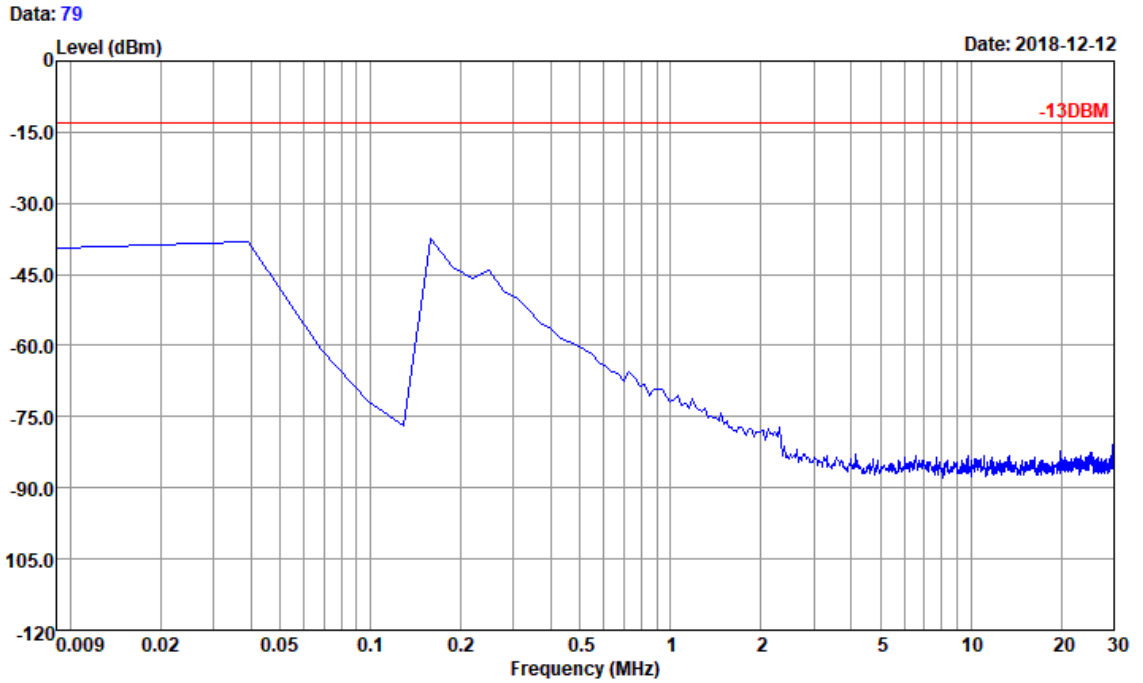

Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

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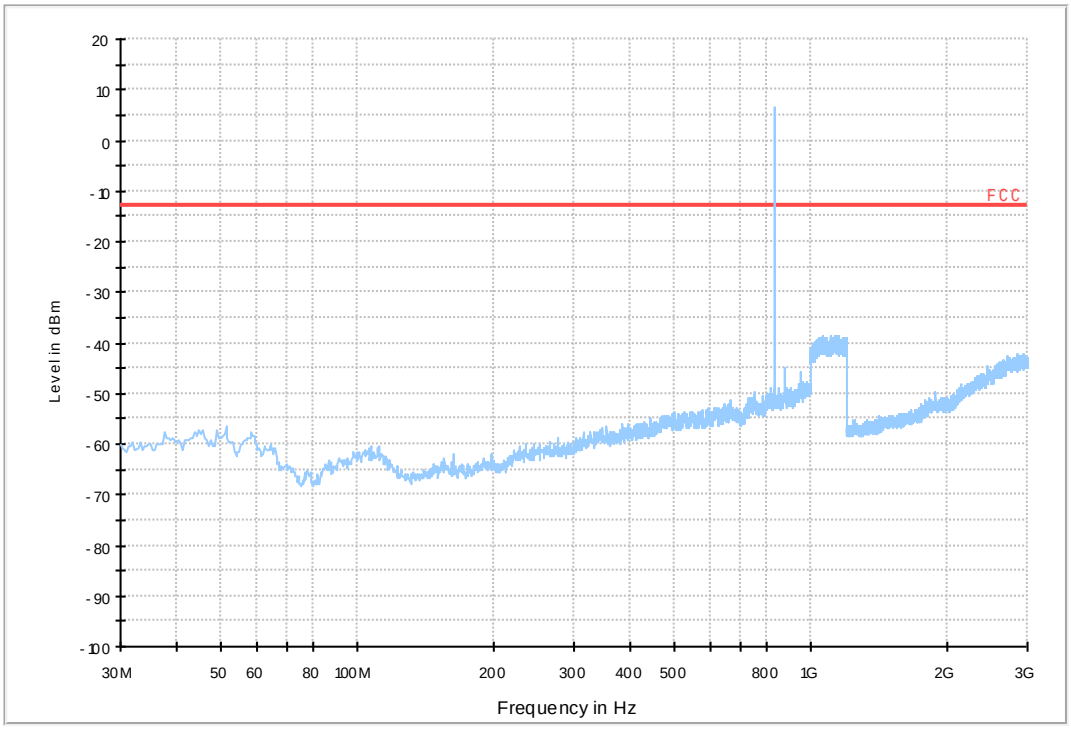
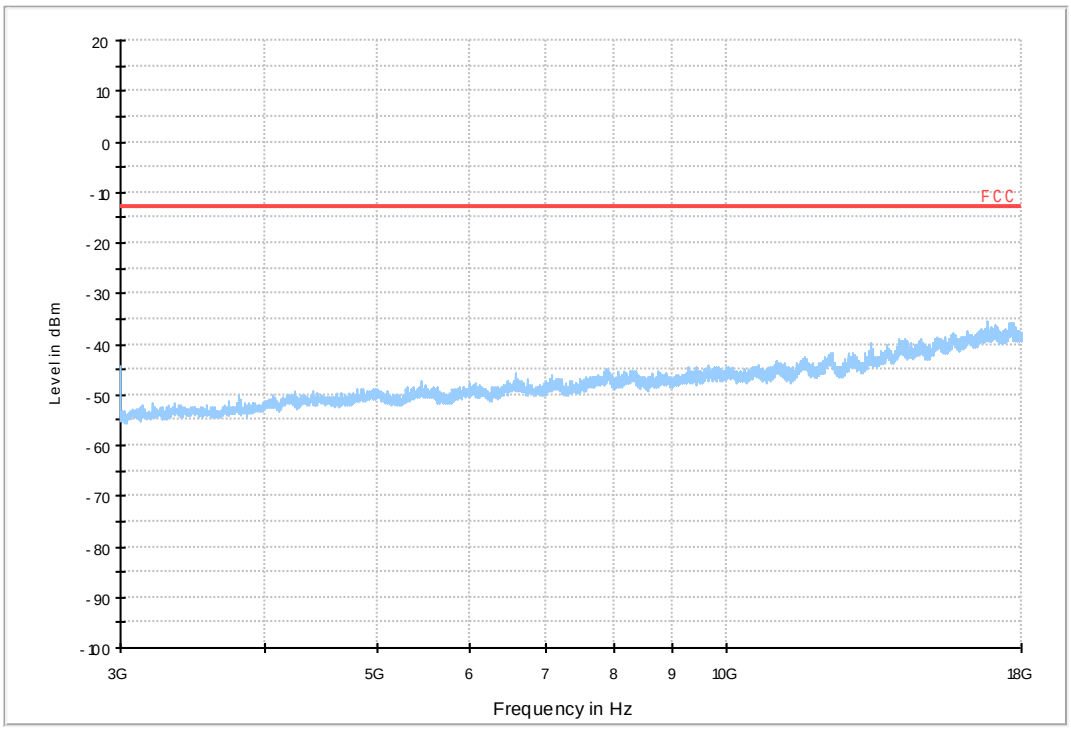
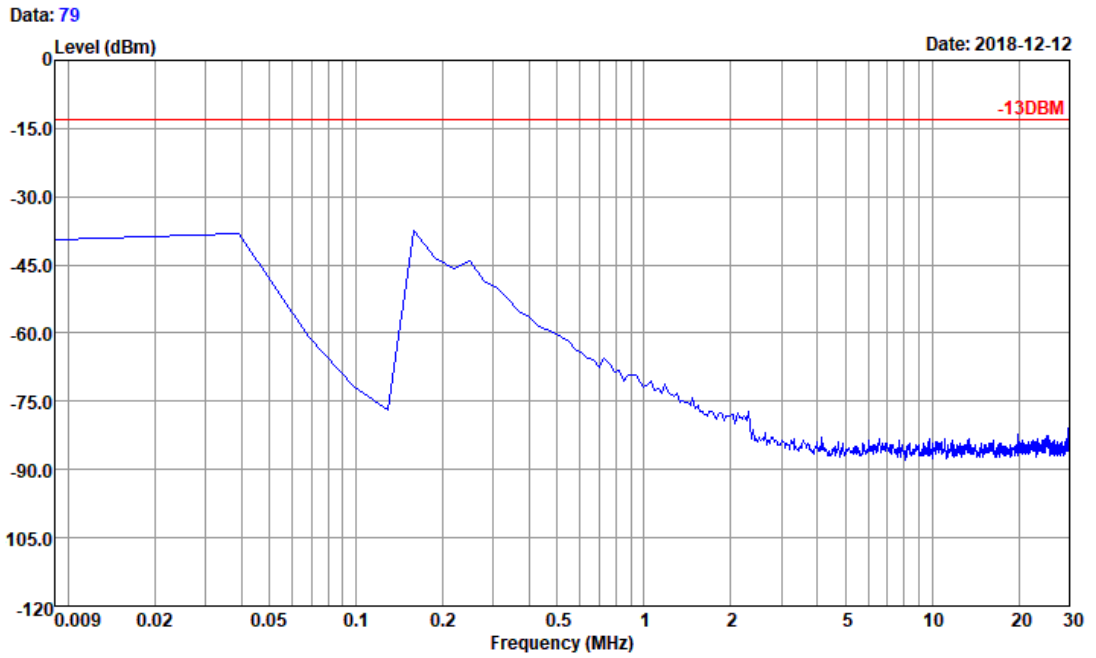
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

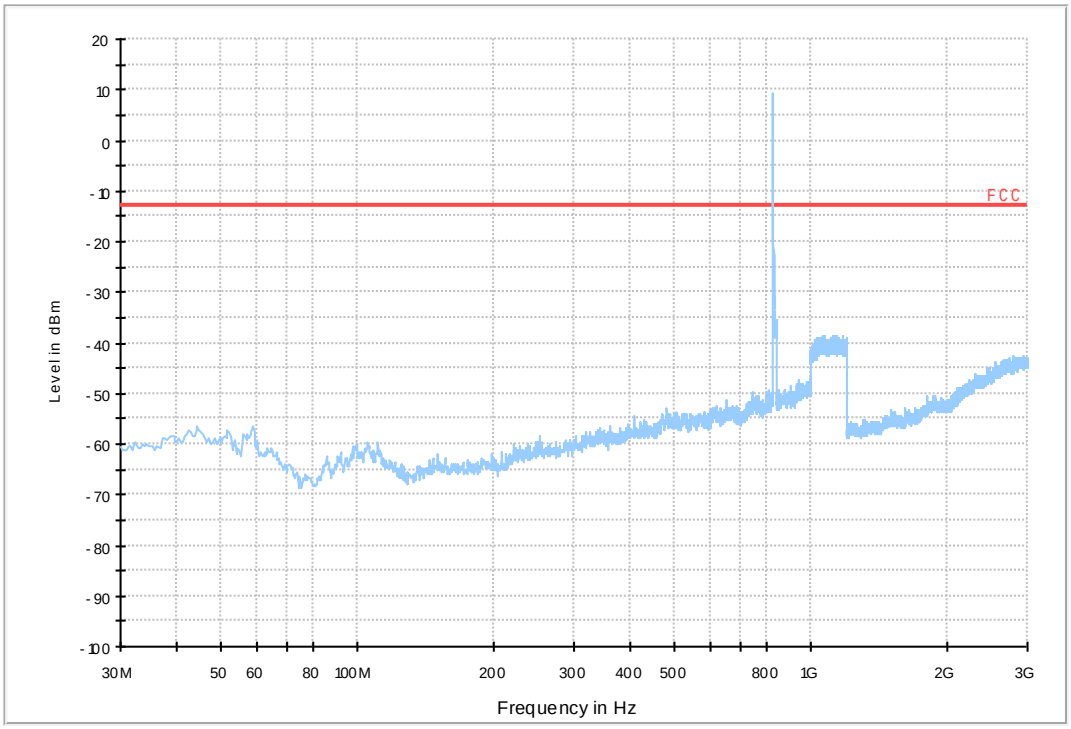


7.1.1.2 Test Bandwidth = 10

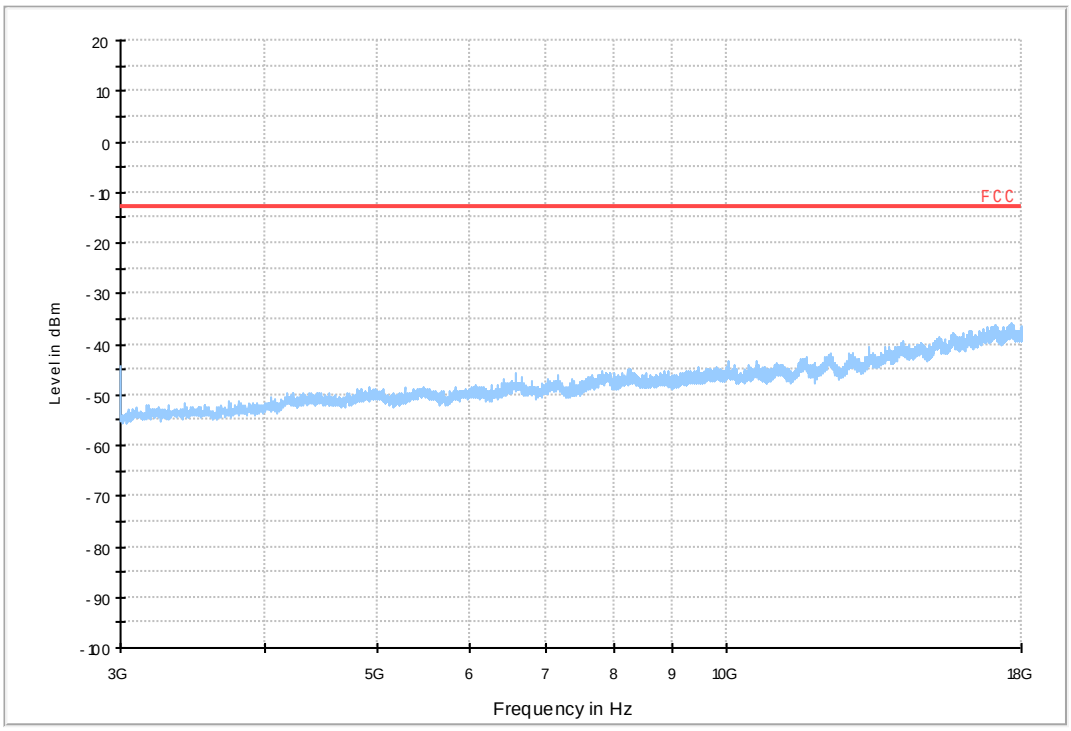



```
Site          : 03CH01-SZ
Condition     : -13DBM
              : RBW:9.000KHz VBW:30.000KHz
```

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

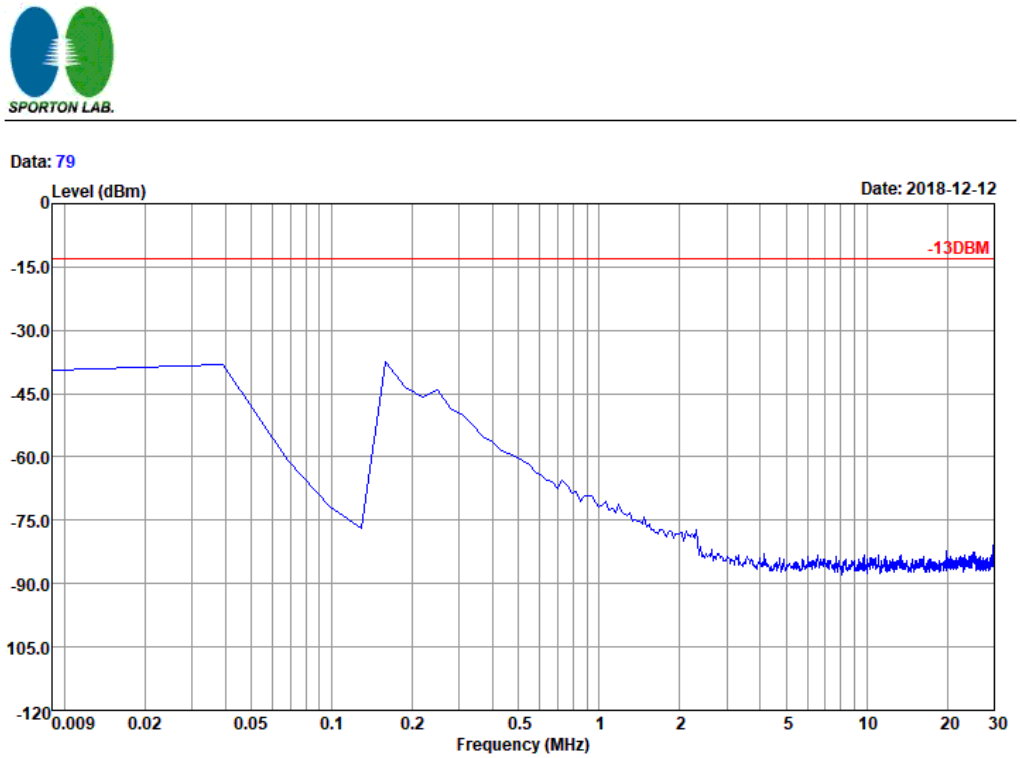


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



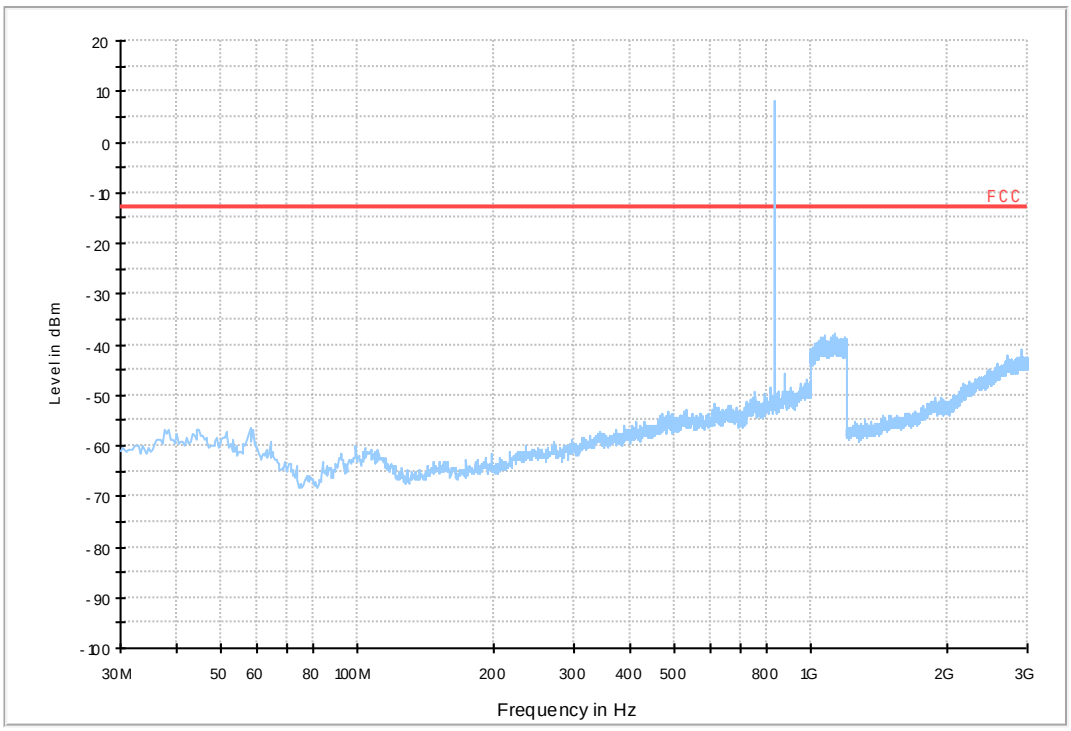
7.1.2 Test Band = Band26 (814-824 MHz_ANT2

7.1.2.1 Test Bandwidth = 1.4

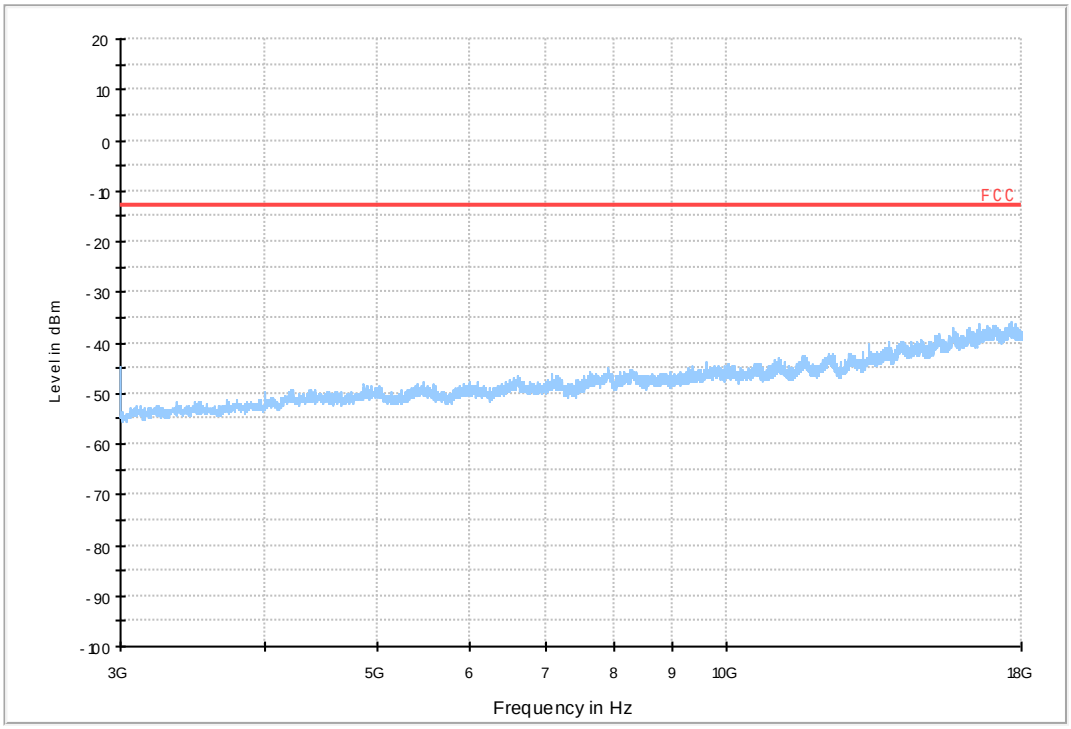



```
Site        : 03CH01-SZ
Condition   : -13DBM
            : RBW:9.000KHz VBW:30.000KHz
```

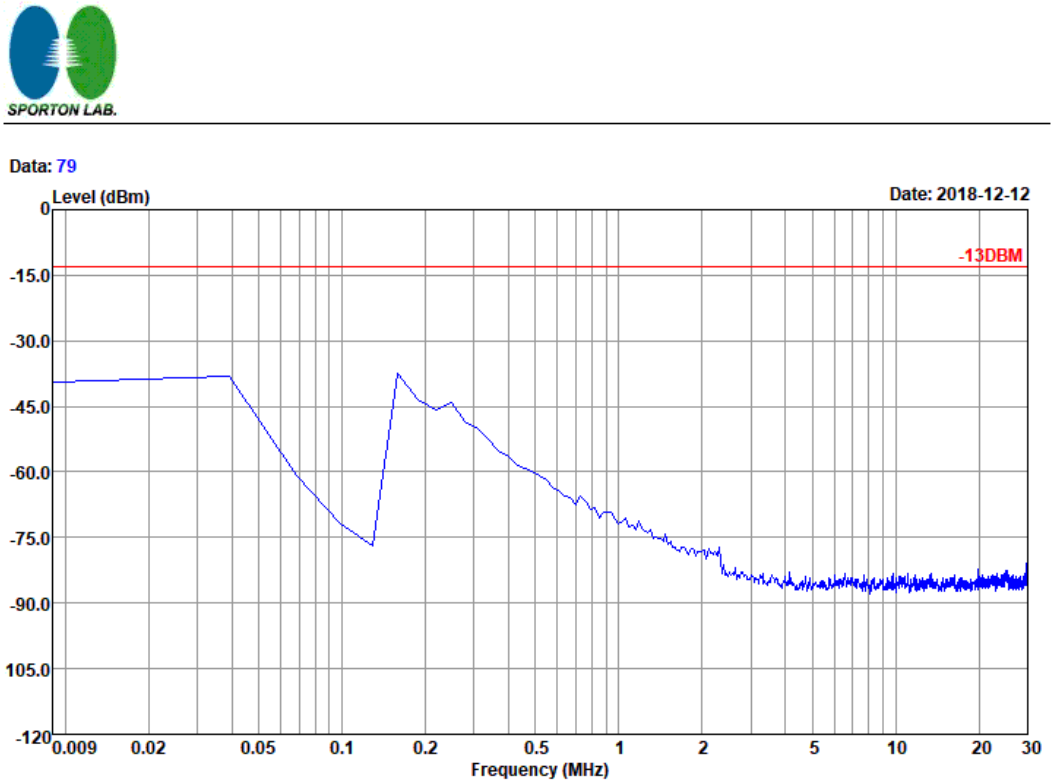
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

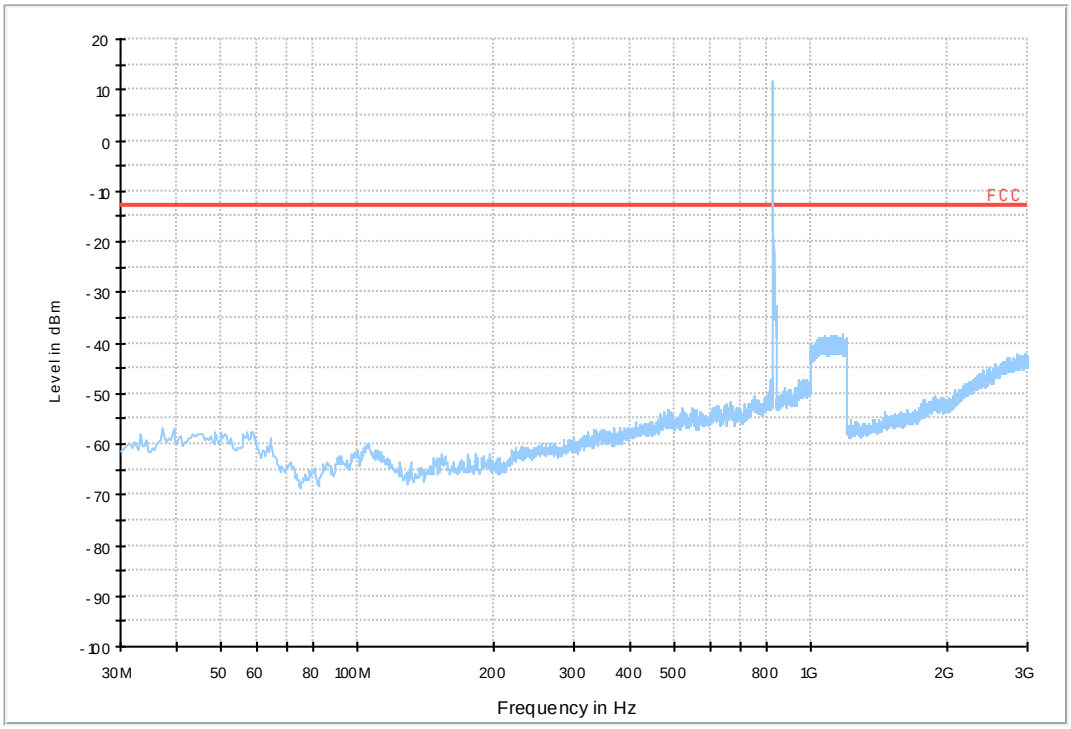


7.1.2.2 Test Bandwidth = 10

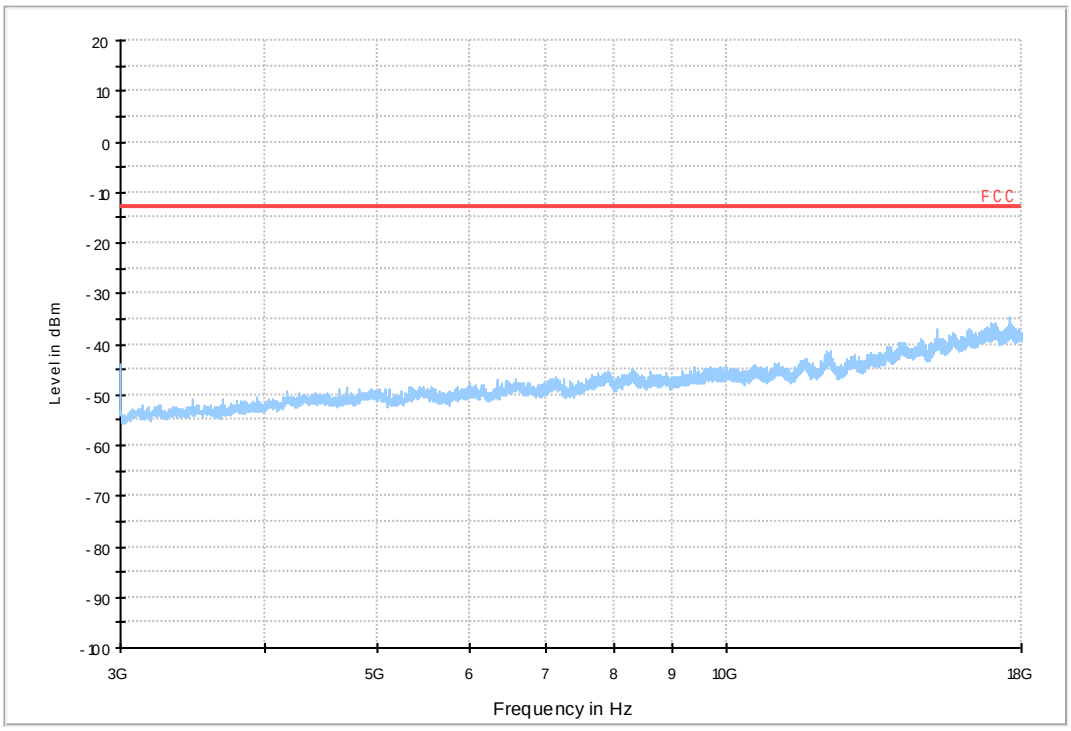



```
Site          : 03CH01-SZ
Condition     : -13DBM
              : RBW:9.000KHz VBW:30.000KHz
```

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band26（814-824 MHz）	LTE/TM1	1.4	LCH	TN	VL	-6.82354	-0.00838	PASS
					VN	0.42915	0.00053	PASS
					VH	-13.10349	-0.01608	PASS
			MCH	TN	VL	-2.71797	-0.00332	PASS
					VN	0.24319	0.00030	PASS
					VH	11.91616	0.01455	PASS
			HCH	TN	VL	-3.77655	-0.00459	PASS
					VN	-2.70367	-0.00328	PASS
					VH	-0.65804	-0.00080	PASS
		3	LCH	TN	VL	-7.51018	-0.00921	PASS
					VN	-5.02109	-0.00616	PASS
					VH	-3.03268	-0.00372	PASS
			MCH	TN	VL	-6.79493	-0.00830	PASS
					VN	-6.25134	-0.00763	PASS
					VH	-0.91553	-0.00112	PASS
			HCH	TN	VL	-2.05994	-0.00250	PASS
					VN	-7.78198	-0.00946	PASS
					VH	2.68936	0.00327	PASS
		5	LCH	TN	VL	0.22888	0.00028	PASS
					VN	0.08583	0.00011	PASS
					VH	0.61512	0.00075	PASS
			MCH	TN	VL	4.26292	0.00521	PASS
					VN	1.50204	0.00183	PASS
					VH	0.27180	0.00033	PASS
			HCH	TN	VL	-3.17573	-0.00387	PASS
					VN	-1.00136	-0.00122	PASS
					VH	2.86102	0.00348	PASS
		10	MCH	TN	VL	0.04292	0.00005	PASS
					VN	-0.62943	-0.00077	PASS
					VH	-1.91688	-0.00234	PASS
	LTE/TM2	1.4	LCH	TN	VL	-3.56197	-0.00437	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-23.60344	-0.02897	PASS
					VH	-9.01222	-0.01106	PASS
			MCH	TN	VL	-6.79493	-0.00830	PASS
					VN	-6.25134	-0.00763	PASS
					VH	-0.91553	-0.00112	PASS
			HCH	TN	VL	-3.83377	-0.00466	PASS
					VN	3.08990	0.00375	PASS
					VH	-3.34740	-0.00407	PASS
		3	LCH	TN	VL	0.88692	0.00109	PASS
					VN	-4.43459	-0.00544	PASS
					VH	-2.73228	-0.00335	PASS
			MCH	TN	VL	-2.71797	-0.00332	PASS
					VN	0.24319	0.00030	PASS
					VH	11.91616	0.01455	PASS
			HCH	TN	VL	-4.07696	-0.00496	PASS
					VN	-1.55926	-0.00190	PASS
					VH	-1.40190	-0.00170	PASS
		5	LCH	TN	VL	5.92232	0.00725	PASS
					VN	1.78814	0.00219	PASS
					VH	2.03133	0.00249	PASS
			MCH	TN	VL	-0.65804	-0.00080	PASS
					VN	0.44346	0.00054	PASS
					VH	0.08583	0.00010	PASS
			HCH	TN	VL	3.60489	0.00439	PASS
					VN	5.02109	0.00611	PASS
					VH	7.56741	0.00921	PASS
		10	MCH	TN	VL	-1.28746	-0.00157	PASS
					VN	-4.19140	-0.00512	PASS
					VH	-2.17438	-0.00265	PASS

8.1.2Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band26（814-824	LTE/TM1	1.4	LCH	VN	-30	-4.19140	-0.00514	PASS
					-20	-10.17094	-0.01248	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
MHz）					-10	3.19004	0.00392	PASS
					0	0.87261	0.00107	PASS
					10	-2.86102	-0.00351	PASS
					20	0.42915	0.00053	PASS
					30	-16.15047	-0.01982	PASS
					40	2.53200	0.00311	PASS
					50	1.54495	0.00190	PASS
			MCH	VN	-30	-2.90394	-0.00355	PASS
					-20	-2.03133	-0.00248	PASS
					-10	-6.78062	-0.00828	PASS
					0	-2.04563	-0.00250	PASS
					10	-11.32965	-0.01383	PASS
					20	0.08583	0.00011	PASS
					30	5.46455	0.00667	PASS
					40	4.14848	0.00507	PASS
					50	0.82970	0.00102	PASS
			HCH	VN	-30	-1.81675	-0.00221	PASS
					-20	-1.65939	-0.00202	PASS
					-10	-12.13074	-0.01473	PASS
					0	9.79900	0.01190	PASS
					10	-2.51770	-0.00306	PASS
					20	-2.70367	-0.00328	PASS
					30	-5.50747	-0.00669	PASS
					40	2.38895	0.00290	PASS
					50	-4.73499	-0.00575	PASS
		3	LCH	VN	-30	2.74658	0.00337	PASS
					-20	-1.95980	-0.00240	PASS
					-10	-3.39031	-0.00416	PASS
					0	-4.36306	-0.00535	PASS
					10	-5.56469	-0.00682	PASS
					20	-5.02109	-0.00616	PASS
					30	-3.14712	-0.00386	PASS
					40	-8.65459	-0.01061	PASS
					50	-3.31879	-0.00407	PASS
			MCH	VN	-30	-2.18868	-0.00267	PASS
					-20	-0.52929	-0.00065	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	3.14712	0.00384	PASS
					0	-0.78678	-0.00096	PASS
					10	-2.17438	-0.00265	PASS
					20	-6.25134	-0.00763	PASS
					30	0.05722	0.00007	PASS
					40	-2.03133	-0.00248	PASS
					50	1.51634	0.00185	PASS
			HCH	VN	-30	-2.38895	-0.00290	PASS
					-20	5.87940	0.00715	PASS
					-10	1.78814	0.00217	PASS
					0	-4.04835	-0.00492	PASS
					10	2.17438	0.00264	PASS
					20	-7.78198	-0.00946	PASS
					30	-5.12123	-0.00623	PASS
					40	-6.00815	-0.00730	PASS
					50	3.20435	0.00390	PASS
		5	LCH	VN	-30	-0.74387	-0.00091	PASS
					-20	0.82970	0.00102	PASS
					-10	0.67234	0.00082	PASS
					0	1.58787	0.00194	PASS
					10	-3.00407	-0.00368	PASS
					20	0.08583	0.00011	PASS
					30	0.62943	0.00077	PASS
					40	3.50475	0.00429	PASS
					50	-2.17438	-0.00266	PASS
			MCH	VN	-30	-0.47207	-0.00058	PASS
					-20	1.38760	0.00169	PASS
					-10	3.49045	0.00426	PASS
					0	3.90530	0.00477	PASS
					10	-0.32902	-0.00040	PASS
					20	1.50204	0.00183	PASS
					30	2.13146	0.00260	PASS
					40	-3.97682	-0.00486	PASS
					50	-2.86102	-0.00351	PASS
			HCH	VN	-30	0.17166	0.00021	PASS
					-20	0.41485	0.00050	PASS
					-10	0.18597	0.00023	PASS
					0	-1.80244	-0.00219	PASS
					10	1.98841	0.00242	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-1.00136	-0.00122	PASS
					30	3.23296	0.00394	PASS
					40	1.65939	0.00202	PASS
					50	1.58787	0.00194	PASS
		10	MCH	VN	-30	-1.13010	-0.00138	PASS
					-20	-0.28610	-0.00035	PASS
					-10	0.22888	0.00028	PASS
					0	-4.57764	-0.00559	PASS
					10	0.40054	0.00049	PASS
					20	-0.62943	-0.00077	PASS
					30	-2.11716	-0.00259	PASS
					40	-1.11580	-0.00136	PASS
					50	-1.14441	-0.00140	PASS
	LTE/TM2	1.4	LCH	VN	-30	-0.94414	-0.00116	PASS
					-20	5.95093	0.00730	PASS
					-10	-7.56741	-0.00929	PASS
					0	7.26700	0.00892	PASS
					10	-15.07759	-0.01851	PASS
					20	-23.60344	-0.02897	PASS
					30	-38.26618	-0.04697	PASS
					40	0.94414	0.00116	PASS
					50	7.32422	0.00899	PASS
			MCH	VN	-30	4.09126	0.00500	PASS
					-20	-3.74794	-0.00460	PASS
					-10	-0.27180	-0.00033	PASS
					0	1.50204	0.00183	PASS
					10	-7.36713	-0.00900	PASS
					20	1.65939	0.00202	PASS
					30	-12.23087	-0.01493	PASS
					40	4.49181	0.00548	PASS
					50	1.31607	0.00161	PASS
			HCH	VN	-30	2.27451	0.00276	PASS
					-20	-2.71797	-0.00330	PASS
					-10	6.36578	0.00773	PASS
					0	-3.49045	-0.00424	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-3.87669	-0.00471	PASS
					20	3.08990	0.00375	PASS
					30	11.30104	0.01373	PASS
					40	2.04563	0.00248	PASS
					50	3.57628	0.00434	PASS
		3	LCH	VN	-30	0.48637	0.00060	PASS
					-20	-3.74794	-0.00460	PASS
					-10	-5.07832	-0.00623	PASS
					0	-0.01431	-0.00002	PASS
					10	4.72069	0.00579	PASS
					20	-4.43459	-0.00544	PASS
					30	-1.63078	-0.00200	PASS
					40	-1.65939	-0.00203	PASS
					50	-3.97682	-0.00488	PASS
			MCH	VN	-30	-4.54903	-0.00555	PASS
					-20	-4.39167	-0.00536	PASS
					-10	-4.89235	-0.00597	PASS
					0	-4.96387	-0.00606	PASS
					10	1.87397	0.00229	PASS
					20	0.24319	0.00030	PASS
					30	4.90665	0.00599	PASS
					40	-3.39031	-0.00414	PASS
					50	-3.59058	-0.00438	PASS
			HCH	VN	-30	2.05994	0.00250	PASS
					-20	-3.97682	-0.00484	PASS
					-10	4.16279	0.00506	PASS
					0	8.95500	0.01089	PASS
					10	-2.34604	-0.00285	PASS
					20	-1.55926	-0.00190	PASS
					30	3.29018	0.00400	PASS
					40	4.84943	0.00590	PASS
					50	-0.54359	-0.00066	PASS
		5	LCH	VN	-30	1.31607	0.00161	PASS
					-20	-0.04292	-0.00005	PASS
					-10	0.17166	0.00021	PASS
					0	0.91553	0.00112	PASS
					10	2.91824	0.00357	PASS
					20	1.78814	0.00219	PASS
					30	4.20570	0.00515	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	0.12875	0.00016	PASS
					50	-1.27316	-0.00156	PASS
			MCH	VN	-30	-0.17166	-0.00021	PASS
					-20	4.37737	0.00534	PASS
					-10	-2.93255	-0.00358	PASS
					0	1.44482	0.00176	PASS
					10	2.21729	0.00271	PASS
					20	0.44346	0.00054	PASS
					30	3.51906	0.00430	PASS
					40	2.94685	0.00360	PASS
					50	1.65939	0.00202	PASS
			HCH	VN	-30	2.40326	0.00293	PASS
					-20	0.62943	0.00077	PASS
					-10	0.10014	0.00012	PASS
					0	0.61512	0.00075	PASS
					10	-7.99656	-0.00973	PASS
					20	5.02109	0.00611	PASS
					30	-0.50068	-0.00061	PASS
					40	3.06129	0.00373	PASS
					50	0.17166	0.00021	PASS
		10	MCH	VN	-30	0.54359	0.00066	PASS
					-20	3.20435	0.00391	PASS
					-10	-2.84672	-0.00348	PASS
					0	0.40054	0.00049	PASS
					10	-0.32902	-0.00040	PASS
					20	-4.19140	-0.00512	PASS
					30	-0.12875	-0.00016	PASS
					40	4.19140	0.00512	PASS
					50	-4.96387	-0.00606	PASS

END

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