Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:52:49 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 990 GHz
-29.292 dBm
Start 2.569000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:54:28 PM Dec 04, 2018
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 510 5 GHz
-40.235 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.635000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:54:47 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 14 GHz
-41.642 dBm
Start 2.62500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.64500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.635000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.645000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.4.2.2 Test RB = RB1#99

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:56:24 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 503 5 GHz
-33.934 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.635000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:56:43 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.636 80 GHz
-37.137 dBm
Start 2.62500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.64500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.635000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.645000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.4.2.3 Test RB = RB50#25

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:58:21 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 633 0 GHz
-30.589 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.635000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:58:39 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 20 GHz
-36.760 dBm
Start 2.62500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.64500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.635000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.645000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.4.2.4 Test RB = RB100#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:00:17 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 507 0 GHz
-26.869 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.635000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:00:35 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.634 00 GHz
-23.400 dBm
Start 2.62500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.64500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.635000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.645000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
02:59:11 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 486 0 GHz
-22.791 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
02:59:31 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-14.121 dBm
Start 2.569000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.1.1.2 Test RB = RB1#24

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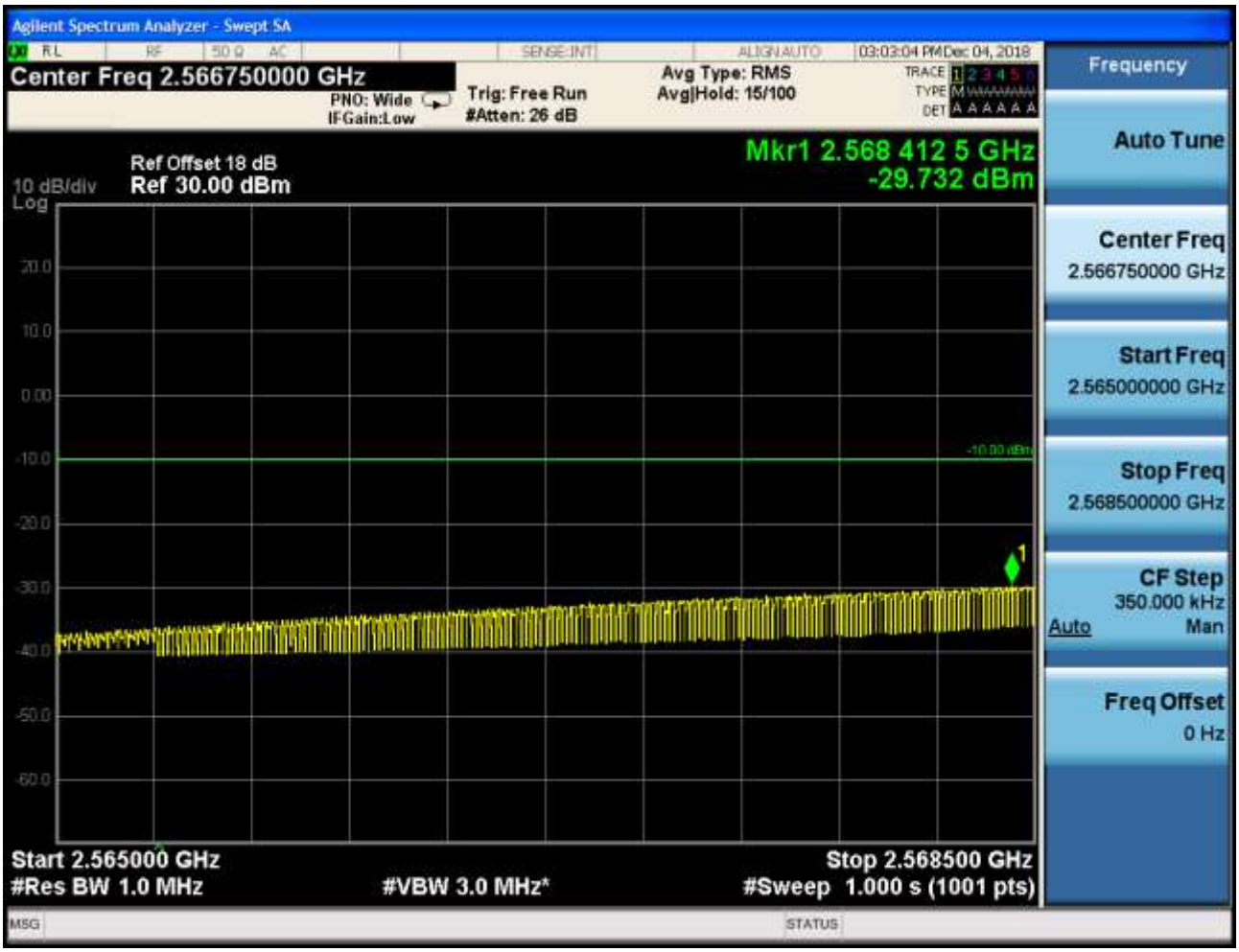
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:01:08 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 192 0 GHz
-31.102 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

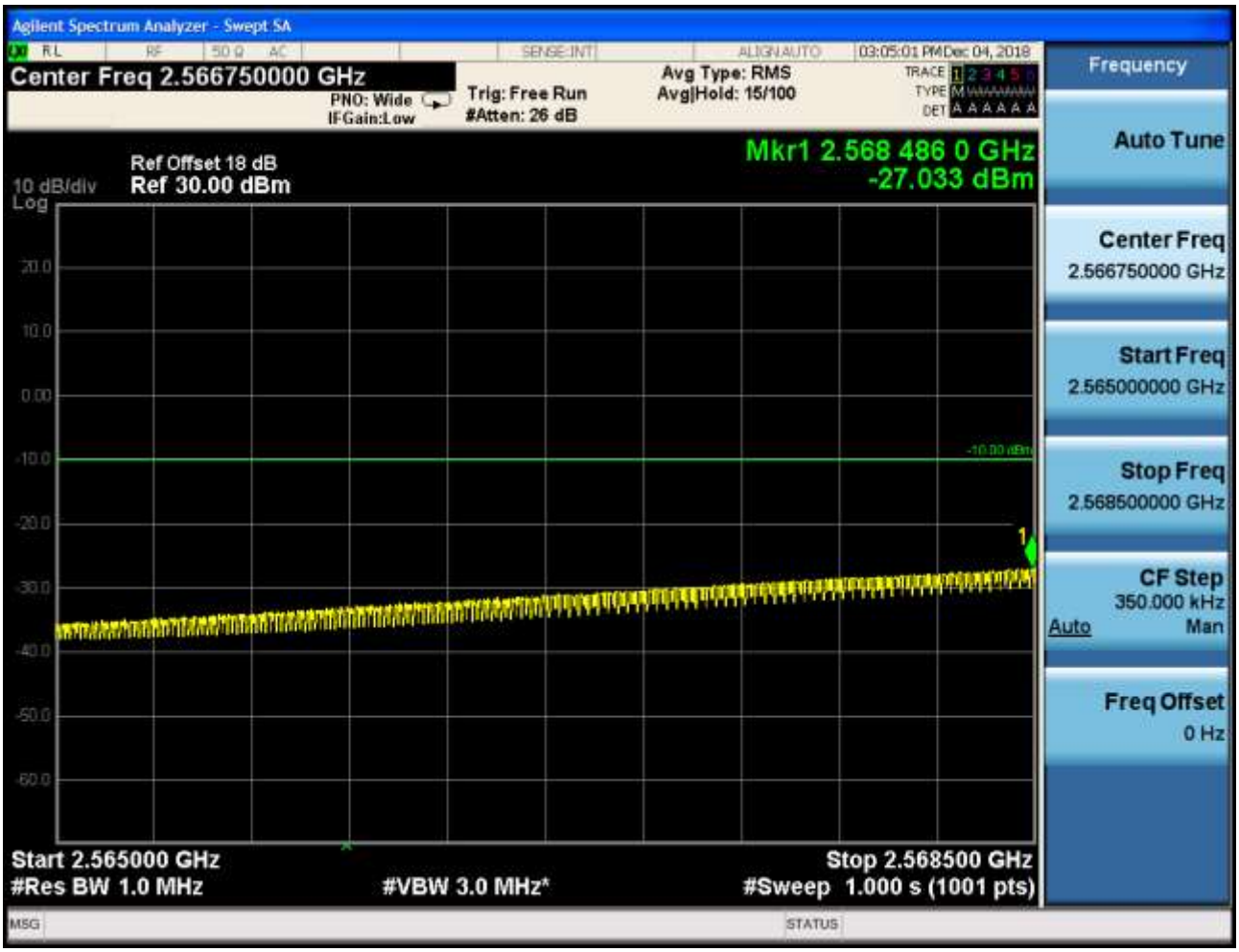
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:01:28 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-32.213 dBm
Start 2.569000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.1.1.3 Test RB = RB12#6


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:03:04 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 412 5 GHz
-29.732 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:03:25 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-29.129 dBm
Start 2.569000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.1.1.4 Test RB = RB25#0


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:05:01 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 486 0 GHz
-27.033 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:05:22 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-24.892 dBm
Start 2.569000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0

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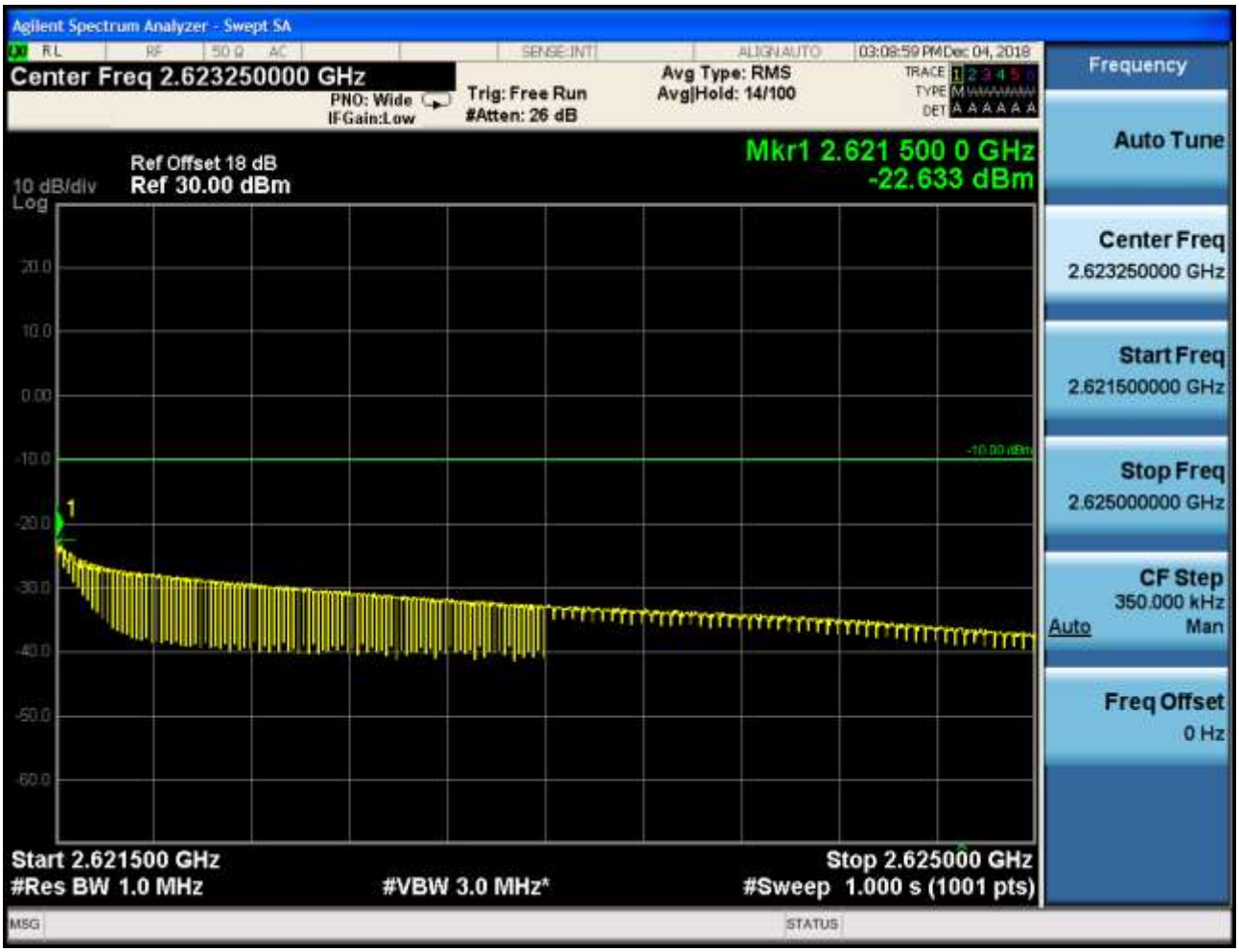
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:07:02 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 657 5 GHz
-31.866 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.628000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:07:20 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 060 GHz
-37.109 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.631000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.628000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.631000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.1.2.2 Test RB = RB1#24


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:08:59 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 500 0 GHz
-22.633 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.628000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:09:17 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 012 GHz
-37.420 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.631000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.628000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.631000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.1.2.3 Test RB = RB12#6

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:10:55 PM Dec 04, 2018
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 500 0 GHz
-31.741 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.628000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:11:14 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 072 GHz
-38.763 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.631000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.628000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.631000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.1.2.4 Test RB = RB25#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:12:52 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 528 0 GHz
-26.696 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.628000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:13:11 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 048 GHz
-38.727 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.631000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.628000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.631000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2 Test Bandwidth = 10

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:15:21 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 472 0 GHz
-36.157 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:15:41 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-17.515 dBm
Start 2.569000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.1.2 Test RB = RB1#49

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:17:18 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 500 0 GHz
-38.775 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 16/100
03:17:38 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 990 GHz
-37.041 dBm
Start 2.569000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.1.3 Test RB = RB25#13

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:19:14 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 496 5 GHz
-34.538 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:19:34 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-34.267 dBm
Start 2.569000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.1.4 Test RB = RB50#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:21:10 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 423 0 GHz
-30.104 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:21:31 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-29.219 dBm
Start 2.569000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:23:10 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 559 5 GHz
-34.020 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.630000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:23:29 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.628 28 GHz
-40.117 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.635000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.630000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.635000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.2.2 Test RB = RB1#49

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:25:07 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 510 5 GHz
-34.621 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.630000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:25:25 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 60 GHz
-38.409 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.635000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.630000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.635000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.2.3 Test RB = RB25#13

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:27:03 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 545 5 GHz
-33.594 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.630000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:27:22 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 00 GHz
-41.257 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.635000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.630000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.635000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.2.4 Test RB = RB50#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:28:59 PM Dec 04, 2018
Frequency
Auto Tune
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 531 5 GHz
-27.665 dBm
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.630000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:29:18 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 00 GHz
-29.108 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.635000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.630000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.635000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3 Test Bandwidth = 15

5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0

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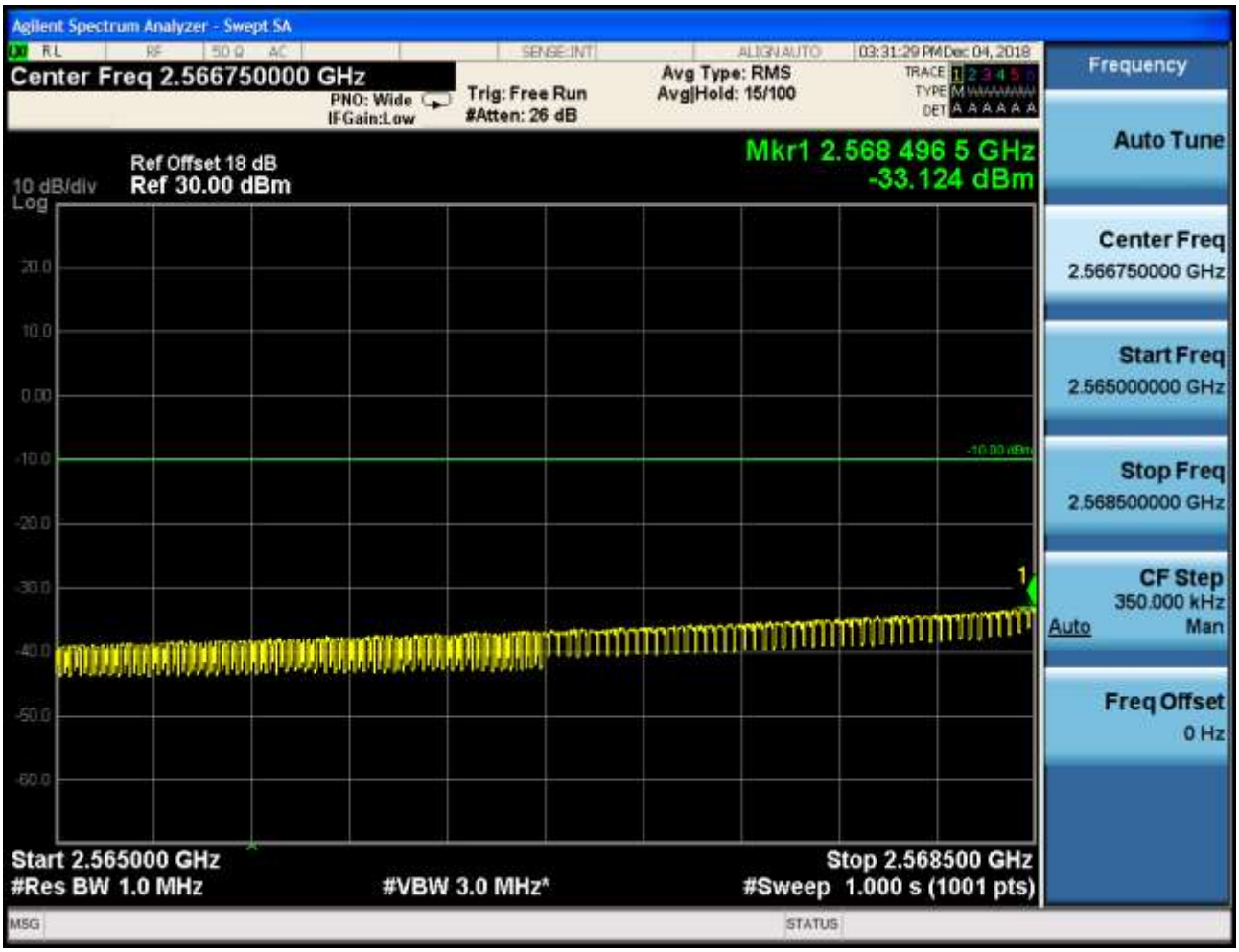
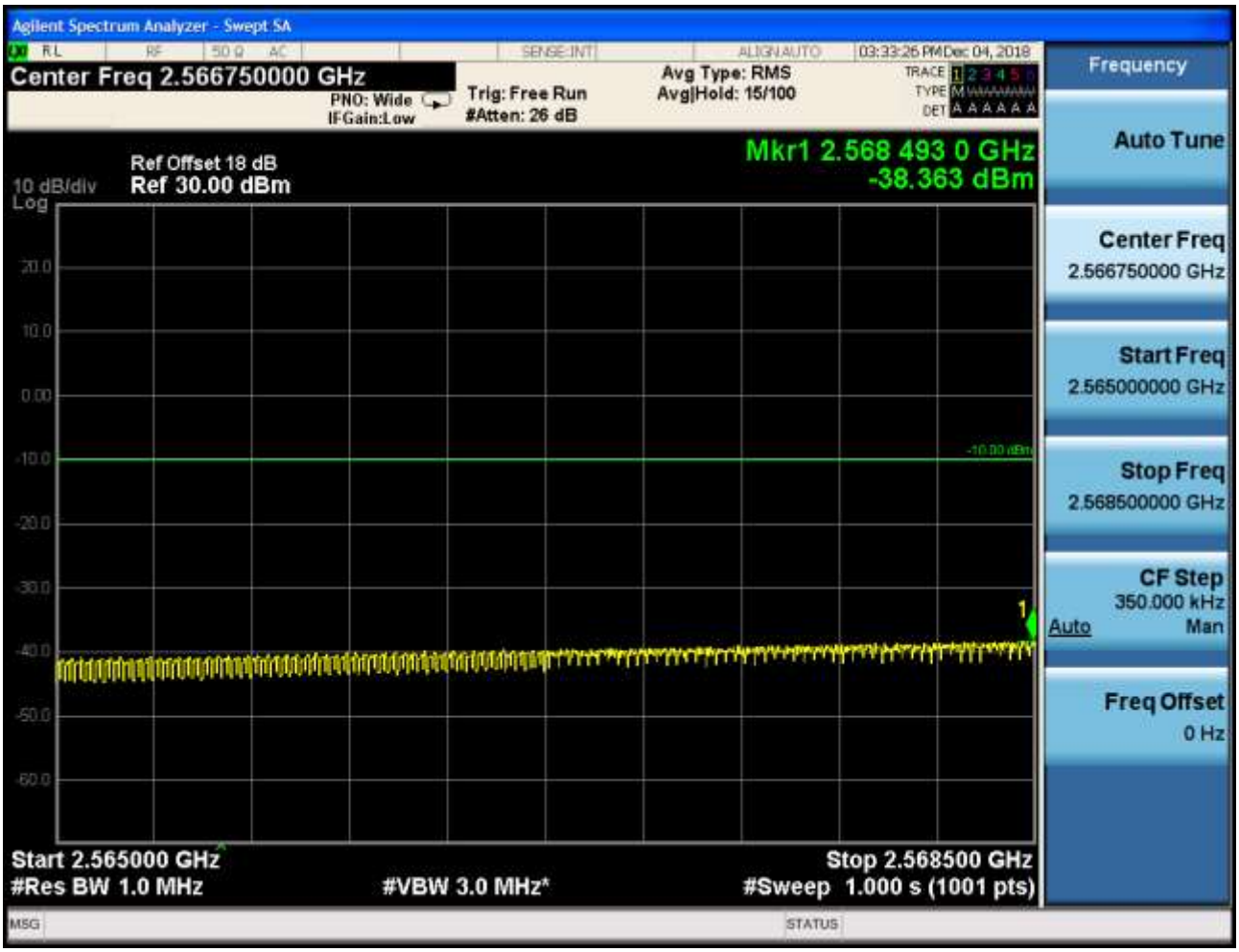

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:31:29 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 496 5 GHz
-33.124 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:31:49 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-15.219 dBm
Start 2.569000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3.1.2 Test RB = RB1#74


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:33:26 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 493 0 GHz
-38.363 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:33:46 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 980 GHz
-36.472 dBm
Start 2.569000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3.1.3 Test RB = RB38#19

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:35:22 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 493 0 GHz
-35.737 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:35:42 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-33.374 dBm
Start 2.569000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3.1.4 Test RB = RB75#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:37:18 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 496 5 GHz
-31.960 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:37:39 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-28.203 dBm
Start 2.569000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0

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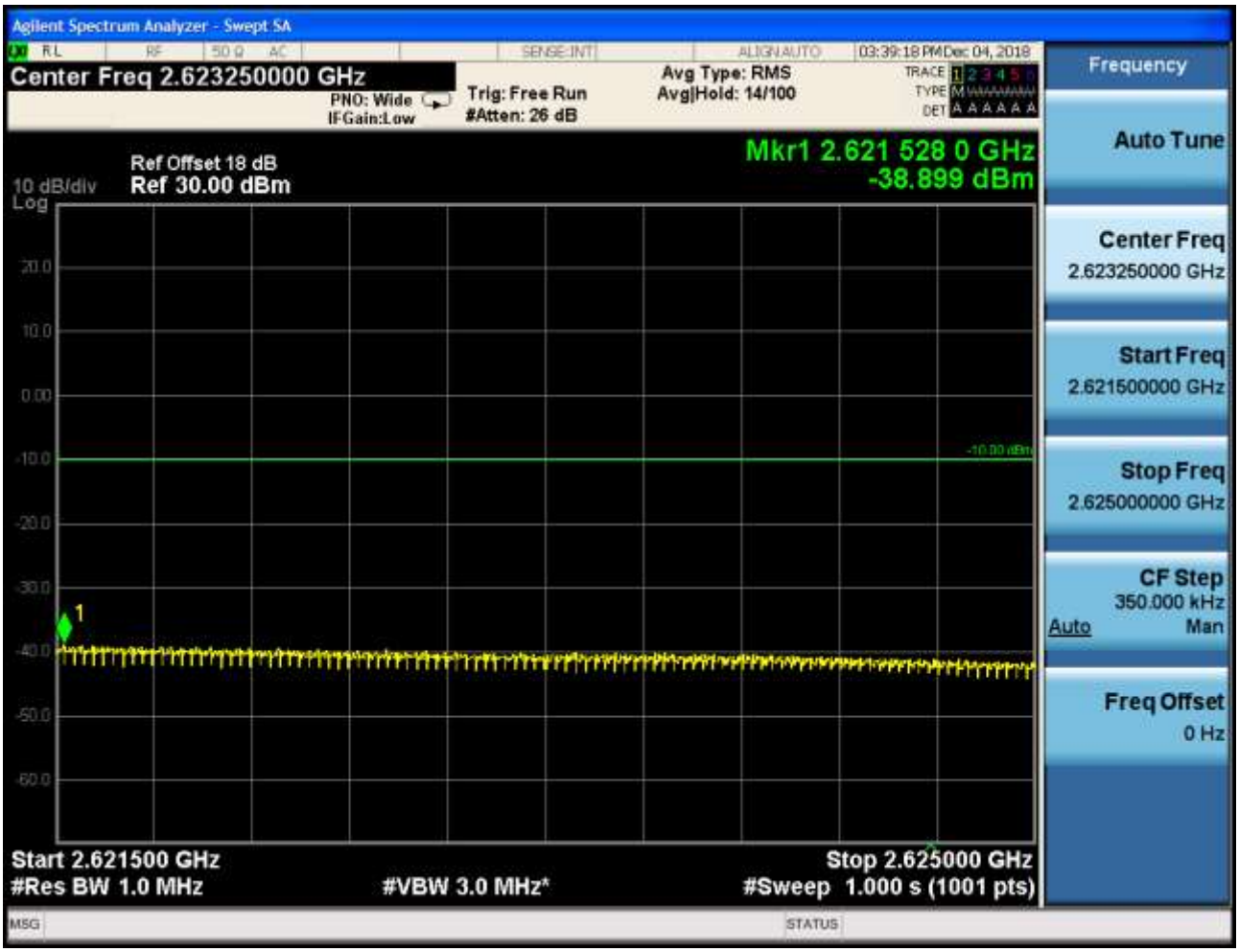
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:39:18 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 528 0 GHz
-38.899 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.632500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:39:37 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.632 425 GHz
-32.973 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.640000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.632500000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.640000000 GHz
CF Step
1.500000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3.2.2 Test RB = RB1#74

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:41:15 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 521 0 GHz
-33.936 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.632500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:41:33 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 795 GHz
-38.219 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.640000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.632500000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.640000000 GHz
CF Step
1.500000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3.2.3 Test RB = RB38#19

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:43:11 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 538 5 GHz
-35.137 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.632500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:43:30 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 195 GHz
-39.720 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.640000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.632500000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.640000000 GHz
CF Step
1.500000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3.2.4 Test RB = RB75#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:45:08 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.622 046 0 GHz
-29.759 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.632500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:45:26 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.626 275 GHz
-30.728 dBm
Start 2.625000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.640000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.632500000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.640000000 GHz
CF Step
1.500000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4 Test Bandwidth = 20

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0

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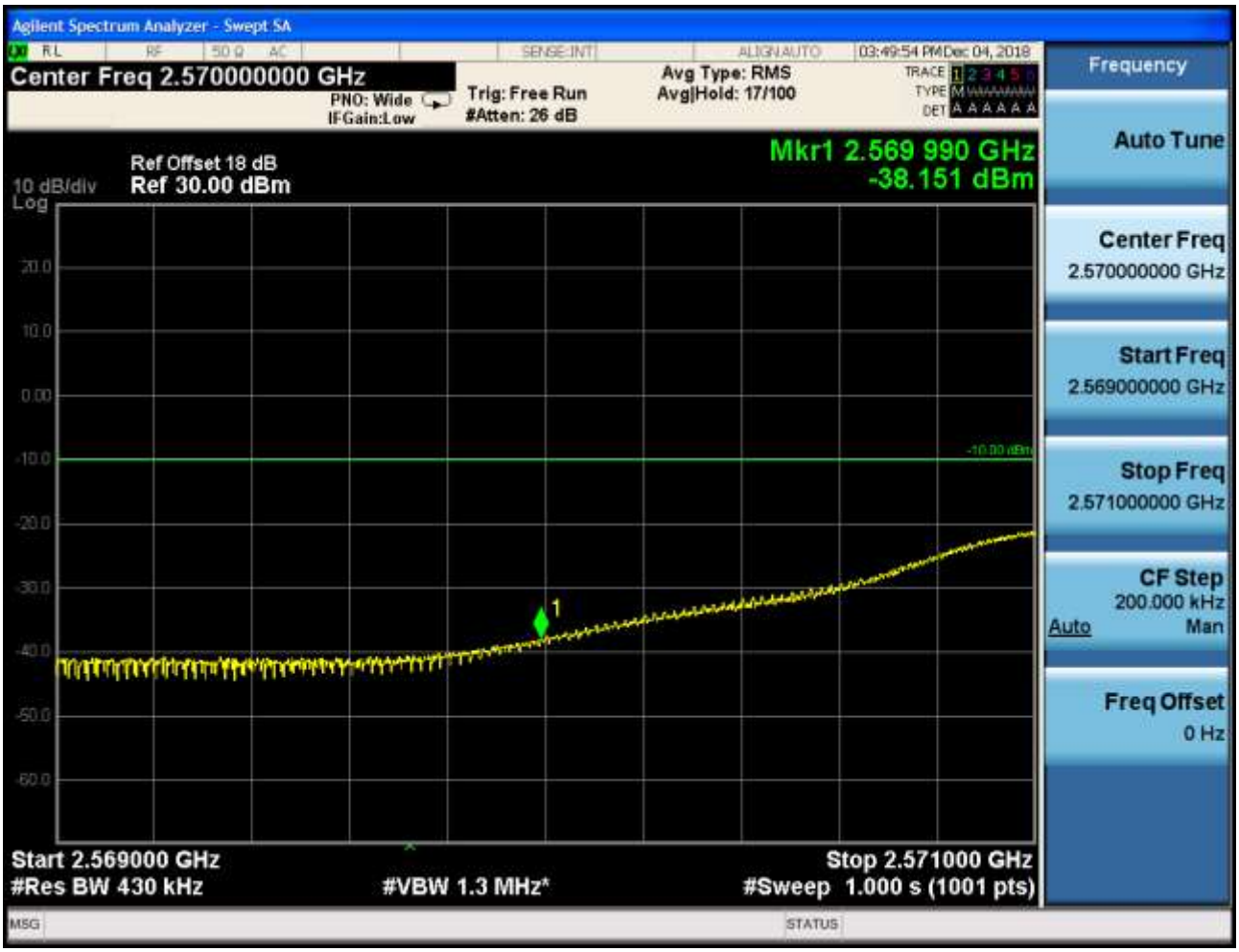
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:47:37 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 482 5 GHz
-33.152 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:47:57 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 990 GHz
-19.059 dBm
Start 2.569000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4.1.2 Test RB = RB1#99

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:49:34 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 458 0 GHz
-37.980 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:49:54 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 990 GHz
-38.151 dBm
Start 2.569000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4.1.3 Test RB = RB50#25

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:51:30 PM Dec 04, 2018
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 500 0 GHz
-35.116 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:51:50 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-35.606 dBm
Start 2.569000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4.1.4 Test RB = RB100#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.566750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:53:26 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.568 122 0 GHz
-32.109 dBm
Start 2.565000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.568500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.566750000 GHz
Start Freq
2.565000000 GHz
Stop Freq
2.568500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
03:53:47 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.569 995 GHz
-30.296 dBm
Start 2.569000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.571000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.569000000 GHz
Stop Freq
2.571000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:55:26 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 521 0 GHz
-39.711 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.635000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:55:45 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.636 78 GHz
-39.848 dBm
Start 2.62500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.64500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.635000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.645000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4.2.2 Test RB = RB1#99

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:57:22 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 552 5 GHz
-32.877 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.635000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:57:41 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.636 70 GHz
-36.663 dBm
Start 2.62500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.64500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.635000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.645000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4.2.3 Test RB = RB50#25

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
03:59:19 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 535 0 GHz
-30.636 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.635000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
03:59:37 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.625 00 GHz
-36.686 dBm
Start 2.62500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.64500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.635000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.645000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4.2.4 Test RB = RB100#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.623250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:01:15 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.621 594 5 GHz
-26.783 dBm
Start 2.621500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.625000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.623250000 GHz
Start Freq
2.621500000 GHz
Stop Freq
2.625000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.635000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:01:34 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.633 98 GHz
-25.221 dBm
Start 2.62500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.64500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.635000000 GHz
Start Freq
2.625000000 GHz
Stop Freq
2.645000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = Band38

6.1.1.1 Test Mode = LTE/TM1

6.2.1.1.1 Test Bandwidth = 5

6.2.1.1.1.1 Test Channel = LCH

6.2.1.1.1.1.1 Test RB = RB1#0

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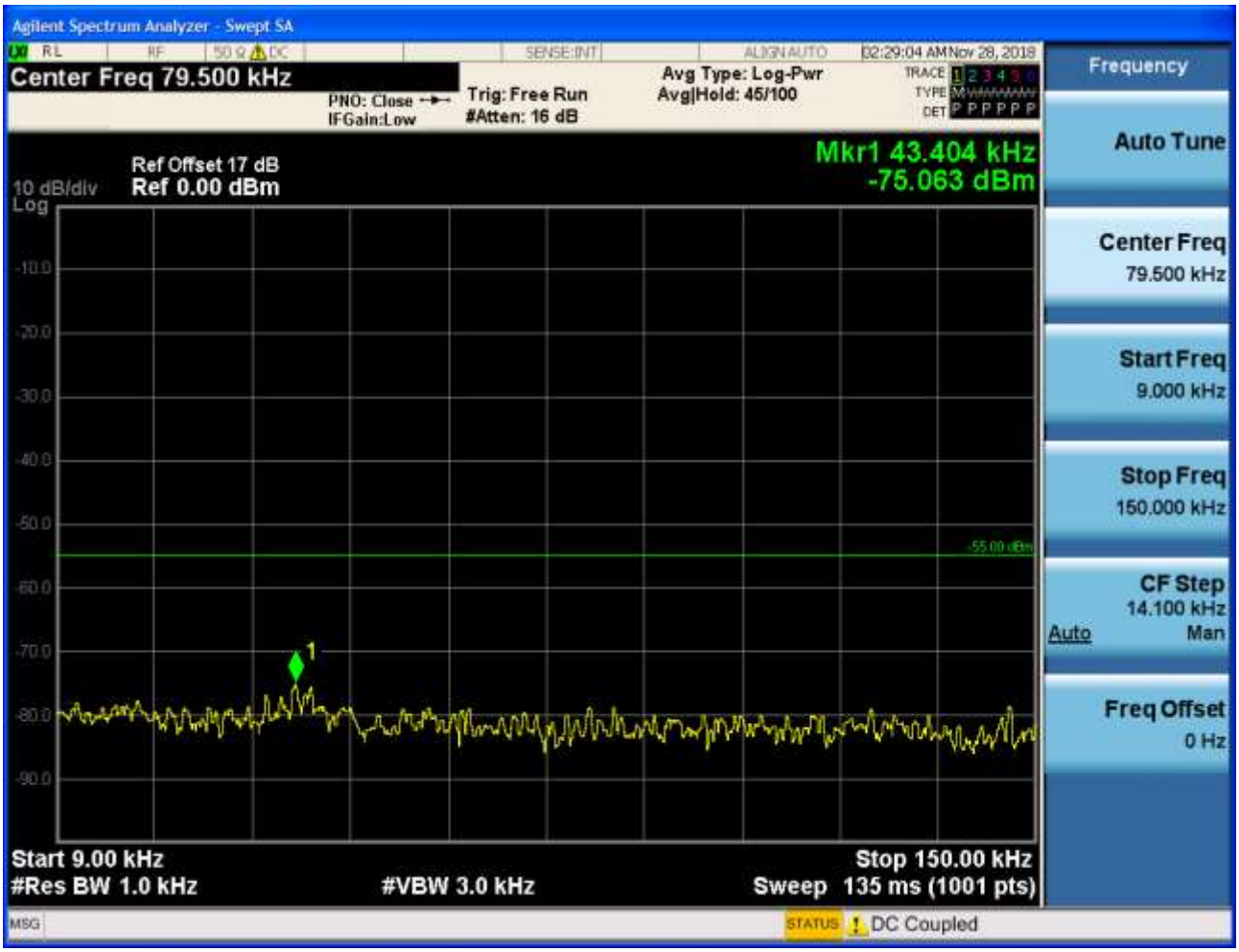
Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Close
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 45/100
02:29:04 AM Nov 28, 2018
Ref Offset 17 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 43.404 kHz
-75.063 dBm
-55.00 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz
Stop 150.00 kHz
Sweep 135 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz

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: 22/100
02:29:14 AM Nov 28, 2018
Ref Offset 17 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 9.075 15 MHz
-54.030 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 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 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 90/100
09:05:40 AM Dec 07, 2018
Ref Offset 17 dB
10 dB/div
Ref 27.00 dBm
Log
Mkr1 25.566 5 GHz
-32.448 dBm
Center 13.52 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 26.97 GHz
Sweep 69.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
13.515000000 GHz
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.1.1.2 Test Channel = MCH

6.2.1.1.1.2.1 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: 22/100
02:31:14 AM Nov 28, 2018
Ref Offset 17 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 1.660 41 MHz
-71.328 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 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 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 36/100
02:31:24 AM Nov 28, 2018
Ref Offset 17 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 25.168 1 GHz
-29.509 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 69.3 ms (40001 pts)
Frequency
Auto Tune
Center Freq
13.515000000 GHz
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.1.1.3 Test Channel = HCH

6.2.1.1.1.3.1 Test RB = RB1#0

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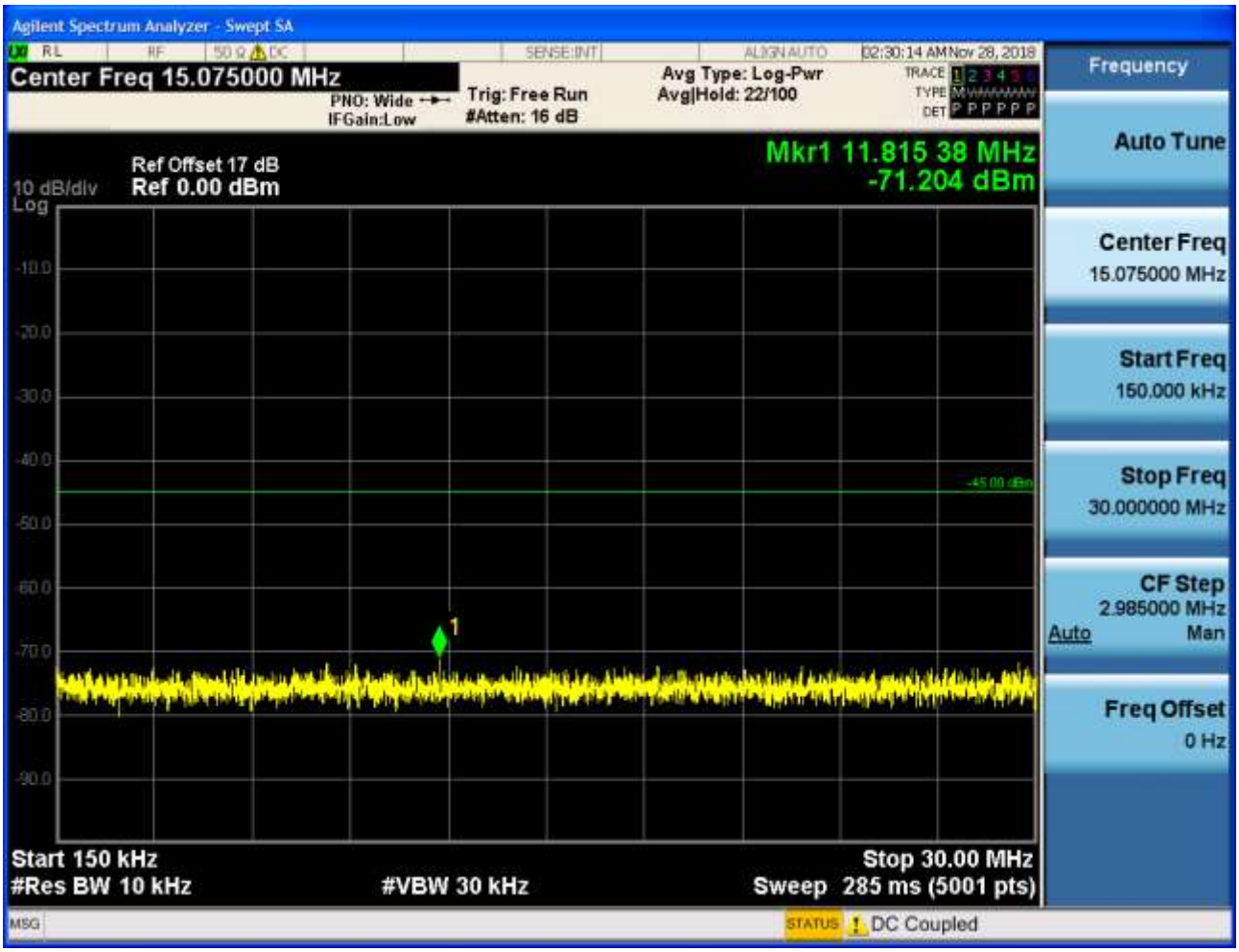
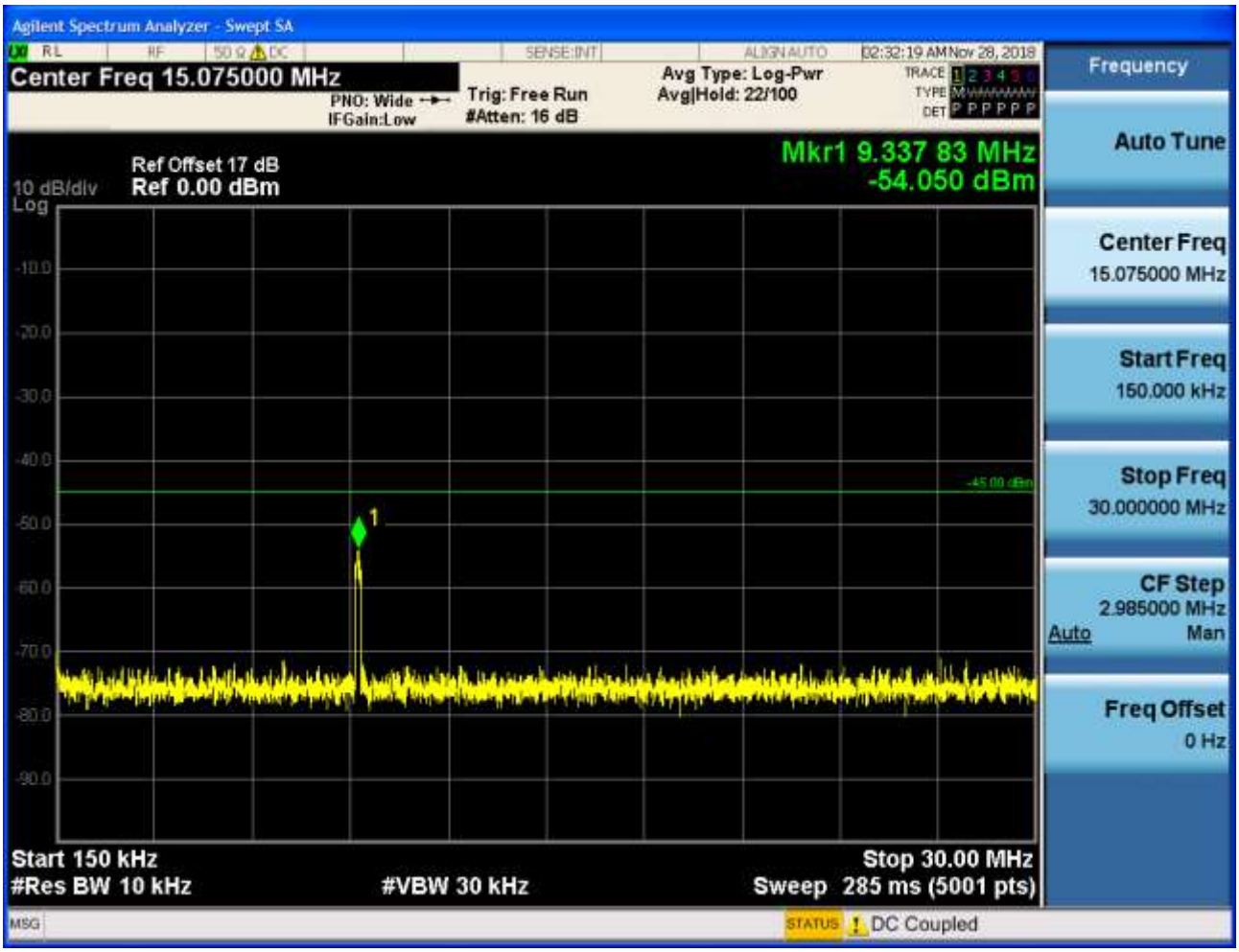

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 22/100
02:30:14 AM Nov 28, 2018
Ref Offset 17 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 11.815 38 MHz
-71.204 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 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 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
09:04:03 AM Dec 07, 2018
Ref Offset 17 dB
10 dB/div
Ref 27.00 dBm
Log
Mkr1 25.613 1 GHz
-31.706 dBm
Center 13.52 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 26.97 GHz
Sweep 69.33 ms (40001 pts)
Frequency
Auto Tune
Center Freq
13.515000000 GHz
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz

6.2.1.1.2 Test Bandwidth = 10

6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 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: 22/100
02:32:19 AM Nov 28, 2018
Ref Offset 17 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 9.337 83 MHz
-54.050 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 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

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6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0

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