Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:59:10 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 517 5 GHz
-40.153 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.670000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:59:28 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.671 80 GHz
-38.791 dBm
Start 2.66000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.68000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.670000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.680000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:01:07 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 566 5 GHz
-33.609 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.670000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:01:25 PM Dec 04, 2018
Frequency
Auto Tune
Center Freq
2.670000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.680000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.671 70 GHz
-29.490 dBm
Start 2.66000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.68000 GHz
#Sweep 1.000 s (1001 pts)
MSG
STATUS

5.1.1.1.4.2.3 Test RB = RB50#25

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:03:04 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 524 5 GHz
-25.902 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.670000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:03:23 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 00 GHz
-35.597 dBm
Start 2.66000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.68000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.670000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.680000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.1.4.2.4 Test RB = RB100#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:05:01 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 552 5 GHz
-26.571 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.670000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:05:19 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.668 94 GHz
-26.756 dBm
Start 2.66000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.68000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.670000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.680000000 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

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:03:45 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 500 0 GHz
-22.558 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:04:05 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-13.674 dBm
Start 2.534000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 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 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:05:42 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 482 5 GHz
-30.749 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:06:02 PM Dec 04, 2018
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-32.179 dBm
Start 2.534000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
MSG
STATUS

5.1.1.2.1.1.3 Test RB = RB12#6

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:07:38 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 500 0 GHz
-27.533 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:07:59 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 980 GHz
-26.977 dBm
Start 2.534000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.1.1.4 Test RB = RB25#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:09:36 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 493 0 GHz
-20.999 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:09:56 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 990 GHz
-22.745 dBm
Start 2.534000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:11:36 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 507 0 GHz
-32.973 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.663000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:11:55 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.665 664 GHz
-36.562 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.666000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.663000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.666000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:13:33 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 503 5 GHz
-23.767 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.663000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:13:52 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 024 GHz
-40.268 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.666000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.663000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.666000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.1.2.3 Test RB = RB12#6

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:15:31 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 510 5 GHz
-28.334 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.663000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:15:49 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 012 GHz
-38.731 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.666000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.663000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.666000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:17:28 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 521 0 GHz
-22.762 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.663000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:17:46 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 018 GHz
-31.293 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.666000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.663000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.666000000 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 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:19:57 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 489 5 GHz
-31.671 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:20:17 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 995 GHz
-17.028 dBm
Start 2.534000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.2.1.2 Test RB = RB1#49

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:21:54 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 489 5 GHz
-37.601 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:22:15 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 990 GHz
-37.104 dBm
Start 2.534000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.1.3 Test RB = RB25#13

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:23:51 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 486 0 GHz
-28.591 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:24:11 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 990 GHz
-29.567 dBm
Start 2.534000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.1.4 Test RB = RB50#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:25:48 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 433 5 GHz
-24.983 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:26:08 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 985 GHz
-27.731 dBm
Start 2.534000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:27:48 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 510 5 GHz
-38.544 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.665000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:28:07 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.663 19 GHz
-37.236 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.670000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.665000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.670000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.2.2 Test RB = RB1#49

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:29:44 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 507 0 GHz
-32.000 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.665000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:30:03 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.663 29 GHz
-37.262 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.670000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.665000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.670000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.2.2.3 Test RB = RB25#13

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:31:40 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 503 5 GHz
-27.120 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.665000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:31:59 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 03 GHz
-36.492 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.670000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.665000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.670000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.2.4 Test RB = RB50#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:33:36 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 507 0 GHz
-23.636 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.665000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 14/100
04:33:55 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 07 GHz
-26.128 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.670000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.665000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.670000000 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 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:36:07 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 479 0 GHz
-33.050 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:36:27 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 990 GHz
-15.406 dBm
Start 2.534000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 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 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:38:03 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 489 5 GHz
-40.299 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:38:23 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 985 GHz
-38.037 dBm
Start 2.534000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 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 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:39:59 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 479 0 GHz
-28.435 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:40:20 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 985 GHz
-28.776 dBm
Start 2.534000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 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 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:41:56 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.532 835 0 GHz
-23.967 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:42:16 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 985 GHz
-26.279 dBm
Start 2.534000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 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

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:43:55 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 629 5 GHz
-37.976 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.667500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:44:14 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.667 485 GHz
-37.501 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.675000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.667500000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.675000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:45:52 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 503 5 GHz
-34.504 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.667500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:46:10 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.667 515 GHz
-34.349 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.675000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.667500000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.675000000 GHz
CF Step
1.500000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3.2.3 Test RB = RB38#19

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:47:48 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 517 5 GHz
-27.094 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.667500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:48:07 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 045 GHz
-35.118 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.675000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.667500000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.675000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:49:46 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 937 5 GHz
-23.824 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.667500000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:50:04 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.661 290 GHz
-27.027 dBm
Start 2.660000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.675000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.667500000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.675000000 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 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:52:16 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 468 5 GHz
-32.499 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:52:36 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 985 GHz
-18.341 dBm
Start 2.534000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 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 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:54:13 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 433 5 GHz
-39.163 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:54:33 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 990 GHz
-37.511 dBm
Start 2.534000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4.1.3 Test RB = RB50#25

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:56:31 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 985 GHz
-29.630 dBm
Start 2.534000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.4.1.4 Test RB = RB100#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.531750000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
04:58:07 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.533 500 0 GHz
-25.785 dBm
Start 2.530000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.533500 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.531750000 GHz
Start Freq
2.530000000 GHz
Stop Freq
2.533500000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.535000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 17/100
04:58:28 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.534 985 GHz
-26.681 dBm
Start 2.534000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.536000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.535000000 GHz
Start Freq
2.534000000 GHz
Stop Freq
2.536000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:00:08 PM Dec 04, 2018
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 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 2.657 046 0 GHz
-40.763 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.670000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:00:27 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.671 76 GHz
-39.153 dBm
Start 2.66000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.68000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.670000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.680000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:02:06 PM Dec 04, 2018
Frequency
Auto Tune
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 500 0 GHz
-35.976 dBm
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.670000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:02:24 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.671 76 GHz
-30.178 dBm
Start 2.66000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.68000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.670000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.680000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:04:03 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 510 5 GHz
-27.064 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.670000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:04:21 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 00 GHz
-33.602 dBm
Start 2.66000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.68000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.670000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.680000000 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 2.658250000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:06:00 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.656 542 0 GHz
-26.852 dBm
Start 2.656500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.660000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.658250000 GHz
Start Freq
2.656500000 GHz
Stop Freq
2.660000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.670000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: RMS
Avg|Hold: 15/100
05:06:18 PM Dec 04, 2018
Ref Offset 18 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.660 02 GHz
-27.697 dBm
Start 2.66000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.68000 GHz
#Sweep 1.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.670000000 GHz
Start Freq
2.660000000 GHz
Stop Freq
2.680000000 GHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

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 = Band41

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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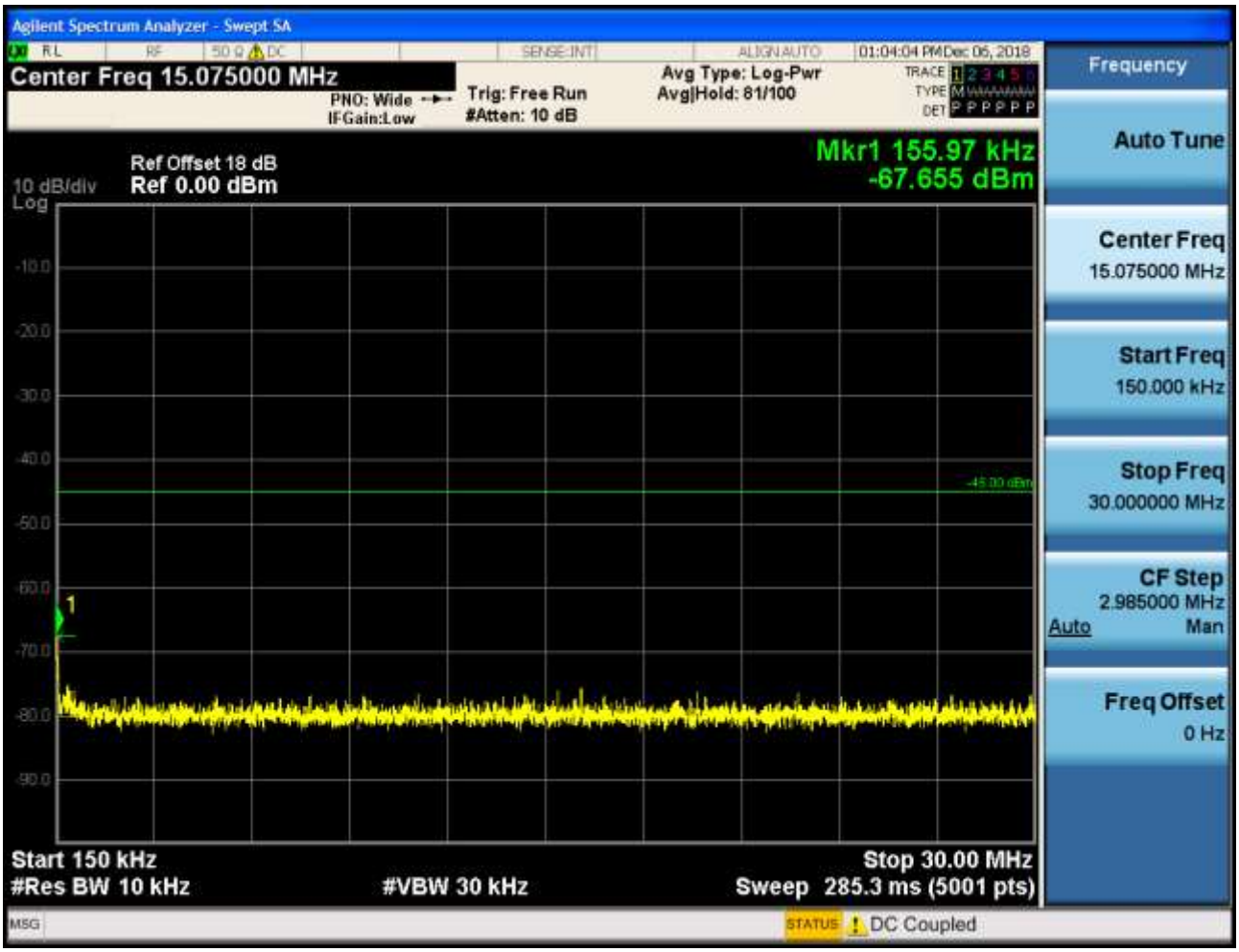
Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Close
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
01:03:37 PM Dec 06, 2018
Ref Offset 18 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 102.342 kHz
-63.671 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz
Stop 150.00 kHz
Sweep 134.8 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: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 81/100
01:04:04 PM Dec 05, 2018
Ref Offset 18 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 155.97 kHz
-67.655 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 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 36/100
01:04:14 PM Dec 05, 2018
Ref Offset 18 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 25.548 3 GHz
-30.536 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 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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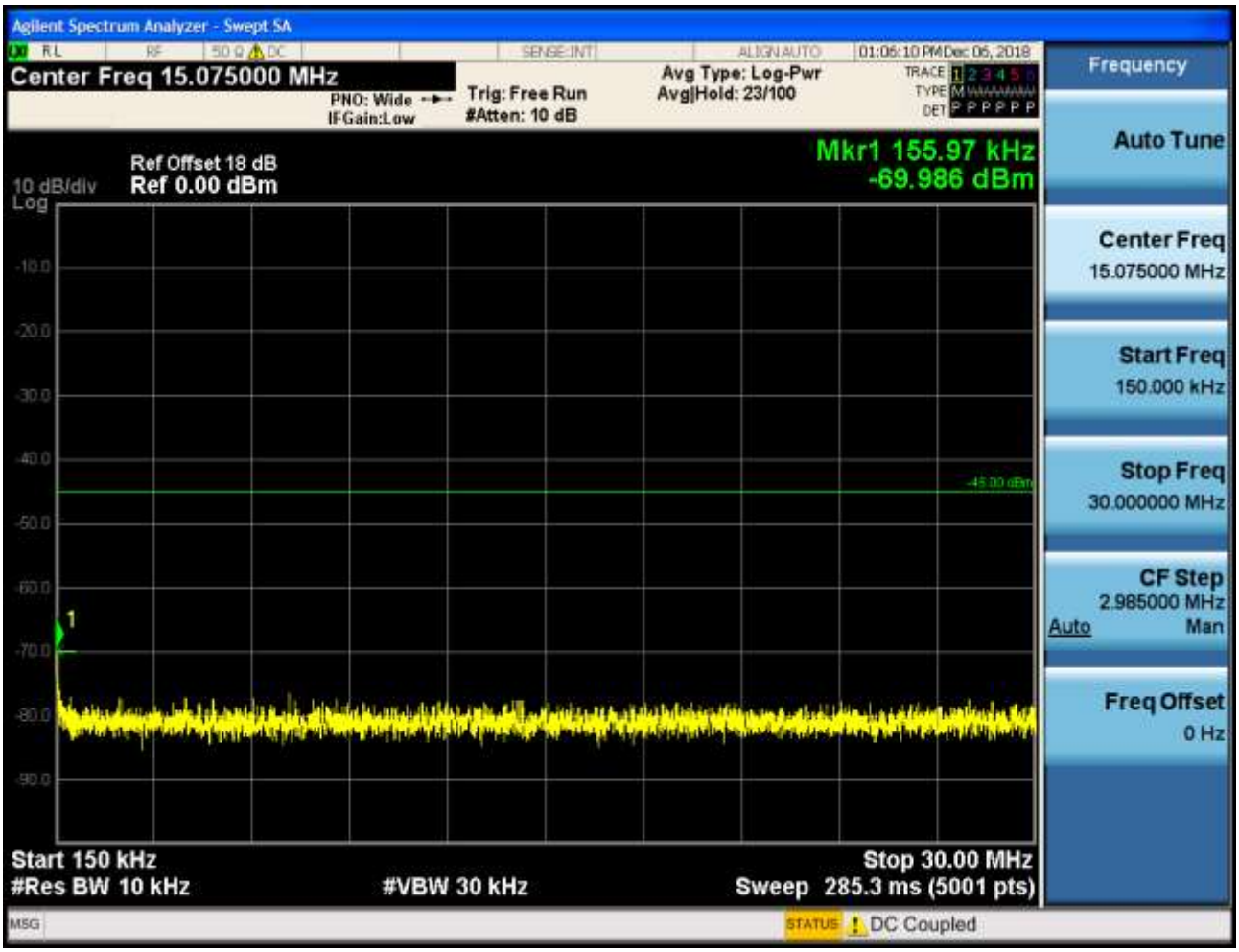

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
01:06:10 PM Dec 06, 2018
Ref Offset 18 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 155.97 kHz
-69.986 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
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 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 36/100
01:06:20 PM Dec 06, 2018
Ref Offset 18 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 25.530 1 GHz
-30.815 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 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

6.2.1.1.1.3 Test Channel = HCH

6.2.1.1.1.3.1 Test RB = RB1#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
01:05:07 PM Dec 06, 2018
Ref Offset 18 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 167.91 kHz
-71.407 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 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 36/100
01:05:17 PM Dec 05, 2018
Ref Offset 18 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 25.427 7 GHz
-31.179 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 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

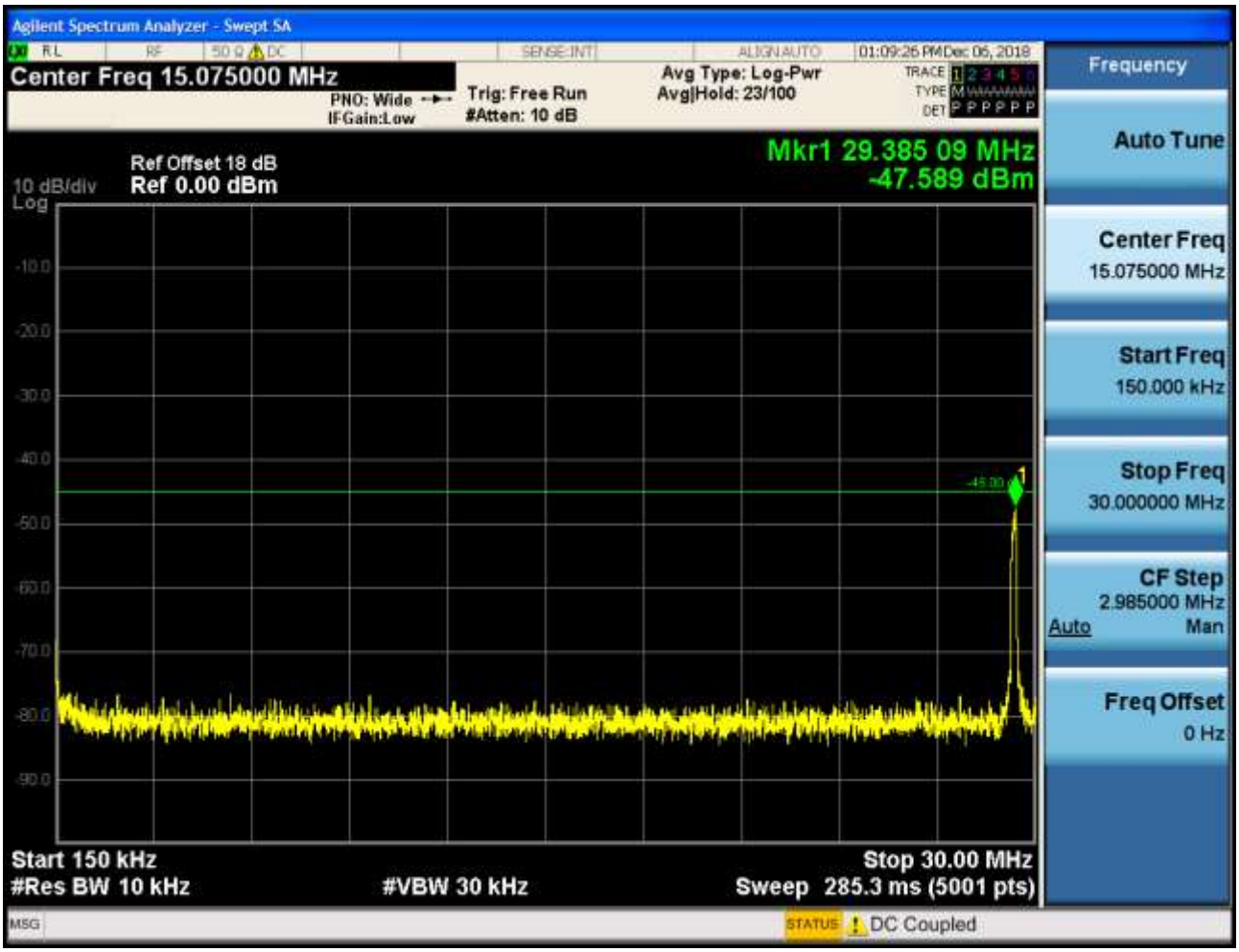
6.2.1.1.2.1.1 Test RB = RB1#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
01:07:21 PM Dec 06, 2018
Ref Offset 18 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 167.91 kHz
-67.859 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 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 36/100
01:07:31 PM Dec 06, 2018
Ref Offset 18 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 25.760 7 GHz
-30.556 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 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

6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
01:09:26 PM Dec 06, 2018
Ref Offset 18 dB
10 dB/div
Ref 0.00 dBm
Log
Mkr1 29.385 09 MHz
-47.589 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 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 36/100
01:09:36 PM Dec 05, 2018
Ref Offset 18 dB
10 dB/div
Ref 25.00 dBm
Log
Mkr1 25.499 1 GHz
-31.474 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 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

6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0

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