Agilent Spectrum Analyzer - Swept SA
Center Freq 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:22:55 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.571 573 5 GHz
-42.988 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.585500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:23:13 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.586 634 GHz
-38.819 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.585500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
CF Step
2.100000 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 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:24:48 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.571 552 5 GHz
-38.665 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.585500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:25:07 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.577 730 GHz
-39.750 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.585500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
CF Step
2.100000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.1.4.2.3 Test RB = RB50#25

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
08:26:42 PM Apr 21, 2019
Center Freq 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.571 500 0 GHz
-31.090 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-10.00 dBm
1
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
08:27:01 PM Apr 21, 2019
Center Freq 2.585500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.575 021 GHz
-40.253 dBm
20.0
10.0
0.00
-10.0
-13.00 dBm
-20.0
-30.0
-40.0
-50.0
-60.0
1
Start 2.57500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.585500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
CF Step
2.100000 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 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:28:37 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.571 559 5 GHz
-29.084 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.585500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:28:55 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.575 126 GHz
-31.743 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.585500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
CF Step
2.100000 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 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:29:04 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.498 497 5 GHz
-25.225 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Far
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
07:29:23 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.500 000 GHz
-14.119 dBm
Start 2.499000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.1.1.2 Test RB = RB1#24

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Far
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
07:31:17 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.500 000 GHz
-32.764 dBm
Start 2.499000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.1.1.3 Test RB = RB12#6

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:32:52 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.498 500 0 GHz
-34.010 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

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5.1.1.2.1.1.4 Test RB = RB25#0

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Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
07:34:46 PM Apr 21, 2019
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.498 500 0 GHz
-27.836 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Far
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
07:35:06 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.500 000 GHz
-25.508 dBm
Start 2.499000 GHz
#Res BW 120 kHz
#VBW 360 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

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 2.578000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:37:02 PM Apr 21, 2019
Ref Offset 18.81 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.575 030 GHz
-43.425 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.581000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.578000000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.581000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.1.2.2 Test RB = RB1#24

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.578000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:38:56 PM Apr 21, 2019
Ref Offset 18.81 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.578 036 GHz
-43.203 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.581000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.578000000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.581000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.1.2.3 Test RB = RB12#6

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:40:31 PM Apr 21, 2019
Ref Offset 18.81 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.571 510 5 GHz
-35.358 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.578000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:40:50 PM Apr 21, 2019
Ref Offset 18.81 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.575 000 GHz
-43.297 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.581000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.578000000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.581000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.1.2.4 Test RB = RB25#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.578000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:42:43 PM Apr 21, 2019
Ref Offset 18.81 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.575 024 GHz
-38.935 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.581000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.578000000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.581000000 GHz
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

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

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
07:44:44 PM Apr 21, 2019
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.498 297 5 GHz
-33.119 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz

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5.1.1.2.2.1.2 Test RB = RB1#49

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:46:38 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.498 487 5 GHz
-42.285 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Far
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
07:46:57 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.500 000 GHz
-37.339 dBm
Start 2.499000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.2.1.3 Test RB = RB25#13

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:48:32 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.498 490 0 GHz
-34.325 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Far
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
07:48:51 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.499 995 GHz
-34.769 dBm
Start 2.499000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.2.1.4 Test RB = RB50#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:50:25 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.498 492 5 GHz
-30.318 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Far
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
07:50:45 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.500 000 GHz
-29.952 dBm
Start 2.499000 GHz
#Res BW 200 kHz
#VBW 620 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

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
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
07:52:41 PM Apr 21, 2019
Center Freq 2.580500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.81 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.578 124 GHz
-36.439 dBm
20.0
10.0
0.00
-10.0
-13.00 dBm
-20.0
-30.0
-40.0
-50.0
-60.0
1
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.586000 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.580500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.586000000 GHz
CF Step
1.100000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.2 Test RB = RB1#49

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Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
07:54:35 PM Apr 21, 2019
Center Freq 2.580500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.81 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.575 264 GHz
-42.002 dBm
20.0
10.0
0.00
-10.0
-13.00 dBm
-20.0
-30.0
-40.0
-50.0
-60.0
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.586000 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.580500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.586000000 GHz
CF Step
1.100000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.2.2.3 Test RB = RB25#13

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Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
07:56:29 PM Apr 21, 2019
Center Freq 2.580500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.81 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.575 055 GHz
-42.058 dBm
20.0
10.0
0.00
-10.0
-13.00 dBm
-20.0
-30.0
-40.0
-50.0
-60.0
1
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.586000 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.580500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.586000000 GHz
CF Step
1.100000 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 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:58:05 PM Apr 21, 2019
Ref Offset 18.81 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.571 556 0 GHz
-27.639 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.580500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
07:58:23 PM Apr 21, 2019
Ref Offset 18.81 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.575 132 GHz
-32.812 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.586000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.580500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.586000000 GHz
CF Step
1.100000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

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

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:00:24 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.498 467 5 GHz
-39.227 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
08:00:44 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.500 000 GHz
-16.030 dBm
Start 2.499000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.3.1.2 Test RB = RB1#74

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5.1.1.2.3.1.3 Test RB = RB38#19

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:04:16 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.498 482 5 GHz
-34.512 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
08:04:36 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.500 000 GHz
-33.967 dBm
Start 2.499000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.3.1.4 Test RB = RB75#0

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Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
08:06:11 PM Apr 21, 2019
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.498 495 0 GHz
-31.564 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-10.00 dBm
1
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
08:06:30 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.499 985 GHz
-29.305 dBm
Start 2.499000 GHz
#Res BW 330 kHz
#VBW 1.0 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0

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5.1.1.2.3.2.2 Test RB = RB1#74

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.583000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:10:20 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.575 592 GHz
-40.557 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.591000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.583000000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.591000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.3.2.3 Test RB = RB38#19

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω
AC
SENSE:INT
ALIGN AUTO
08:11:56 PM Apr 21, 2019
Center Freq 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.571 514 0 GHz
-34.840 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
1
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
08:12:14 PM Apr 21, 2019
Center Freq 2.583000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.575 000 GHz
-41.587 dBm
20.0
10.0
0.00
-10.0
-13.00 dBm
-20.0
-30.0
-40.0
-50.0
-60.0
1
Start 2.575000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.591000 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.583000000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.591000000 GHz
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz

5.1.1.2.3.2.4 Test RB = RB75#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:13:50 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.571 528 0 GHz
-28.621 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

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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 2.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
08:16:28 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.500 000 GHz
-19.162 dBm
Start 2.499000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.4.1.2 Test RB = RB1#99

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:18:03 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.497 345 0 GHz
-31.538 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

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5.1.1.2.4.1.3 Test RB = RB50#25

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.497250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:20:01 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.498 470 0 GHz
-34.837 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.497250000 GHz
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
08:20:20 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.499 995 GHz
-35.070 dBm
Start 2.499000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.4.1.4 Test RB = RB100#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 17/100
08:22:14 PM Apr 21, 2019
Frequency
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.499 990 GHz
-31.405 dBm
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
Start 2.499000 GHz
#Res BW 430 kHz
#VBW 1.3 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS

5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.585500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:24:10 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.586 613 GHz
-38.609 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.585500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
CF Step
2.100000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.4.2.2 Test RB = RB1#99

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:25:45 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.573 859 0 GHz
-31.530 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.585500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:26:04 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.577 856 GHz
-36.388 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.585500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
CF Step
2.100000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.4.2.3 Test RB = RB50#25

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Agilent Spectrum Analyzer - Swept SA
Center Freq 2.585500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:27:58 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.575 000 GHz
-40.520 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.585500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
CF Step
2.100000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.1.1.2.4.2.4 Test RB = RB100#0

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
08:29:34 PM Apr 21, 2019
Center Freq 2.573250000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
TRACE 1 2 3 4 5
TYPE M
DET A A A A A
Ref Offset 18.8 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr1 2.571 552 5 GHz
-32.561 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-10.00 dBm
1
Start 2.571500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.573250000 GHz
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.585500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Pwr(RMS)
Avg|Hold: 15/100
08:29:52 PM Apr 21, 2019
Ref Offset 18.8 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.575 084 GHz
-35.011 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Auto Tune
Center Freq
2.585500000 GHz
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
CF Step
2.100000 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 = Band7

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: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 45/100
10:01:02 PM Apr 23, 2019
Ref Offset 8 dB
10 dB/div
Log
Ref 0.00 dBm
Mkr1 9.705 kHz
-61.755 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: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 22/100
10:01:11 PM Apr 23, 2019
Ref Offset 8 dB
10 dB/div
Log
Ref 0.00 dBm
Mkr1 155.97 kHz
-57.488 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: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 33/100
04:35:35 PM Apr 24, 2019
Ref Offset 8 dB
10 dB/div
Log
Ref 24.00 dBm
Mkr1 26.089 8 GHz
-32.491 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
MSG
STATUS

6.2.1.1.1.2 Test Channel = MCH

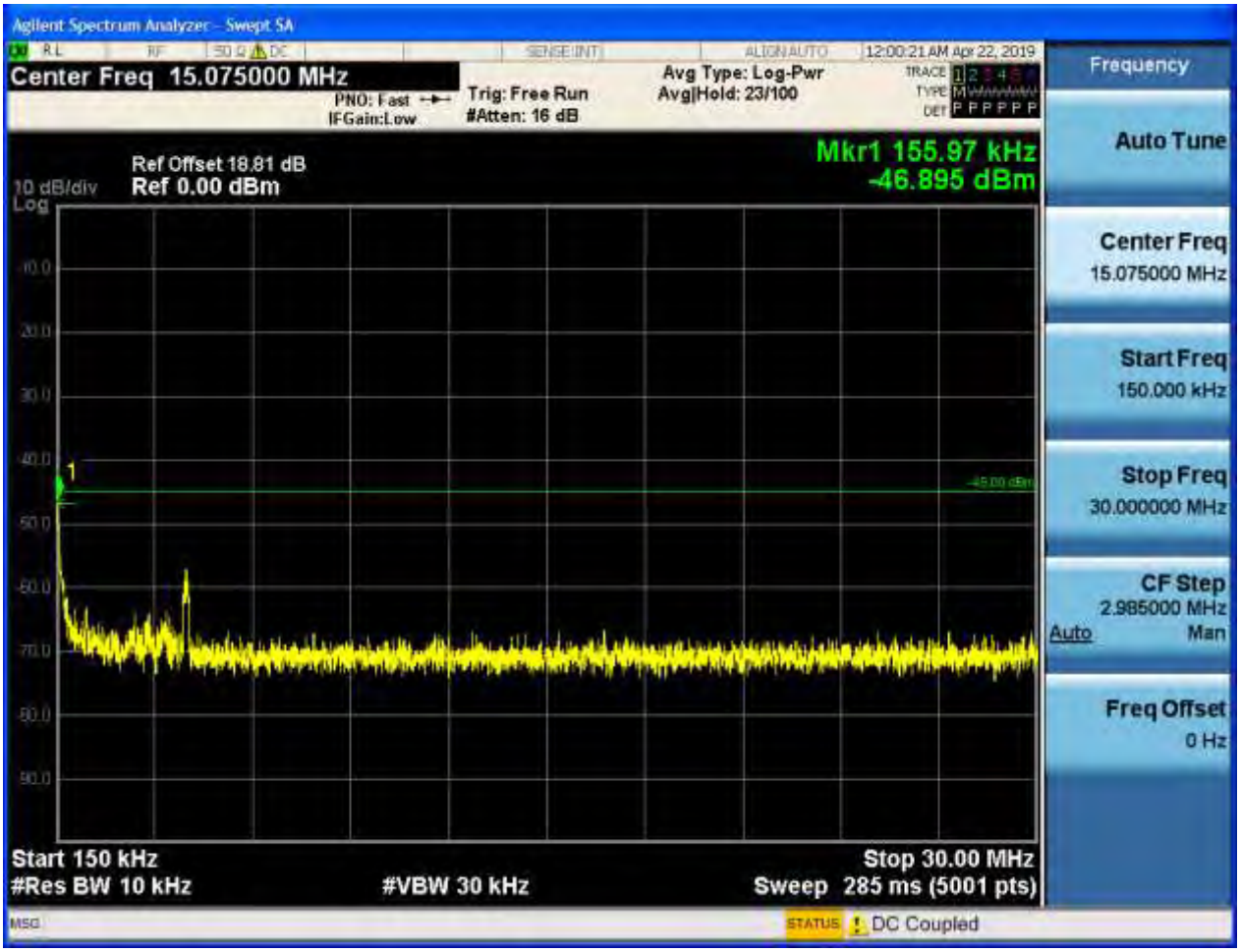
6.2.1.1.1.2.1 Test RB = RB1#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 22/100
10:03:23 PM Apr 23, 2019
Ref Offset 8.01 dB
10 dB/div
Log
Ref 0.00 dBm
Mkr1 155.97 kHz
-58.559 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: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 34/100
04:36:29 PM Apr 24, 2019
Ref Offset 8.01 dB
10 dB/div
Log
Ref 24.01 dBm
Mkr1 25.395 3 GHz
-32.992 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
MSG
STATUS

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: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: Log-Pwr
Avg|Hold: 23/100
12:00:21 AM Apr 22, 2019
Ref Offset 18.81 dB
10 dB/div
Log
Ref 0.00 dBm
Mkr1 155.97 kHz
-46.895 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: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 32/100
04:36:00 PM Apr 24, 2019
Ref Offset 8.01 dB
10 dB/div
Log
Ref 24.01 dBm
Mkr1 25.468 1 GHz
-33.392 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
MSG
STATUS

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: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 22/100
10:04:40 PM Apr 23, 2019
Ref Offset 8 dB
10 dB/div
Log
Ref 0.00 dBm
Mkr1 150.00 kHz
-57.929 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: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 33/100
04:37:07 PM Apr 24, 2019
Ref Offset 8 dB
10 dB/div
Log
Ref 24.00 dBm
Mkr1 25.538 9 GHz
-33.235 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
MSG
STATUS

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: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 22/100
10:06:50 PM Apr 23, 2019
Ref Offset 8.01 dB
10 dB/div
Log
Ref 0.00 dBm
Mkr1 150.00 kHz
-57.223 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: 26 dB
Avg Type: Log-Pwr
Avg|Hold: 32/100
04:37:58 PM Apr 24, 2019
Ref Offset 8.01 dB
10 dB/div
Log
Ref 24.01 dBm
Mkr1 25.329 2 GHz
-33.297 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
MSG
STATUS

6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0