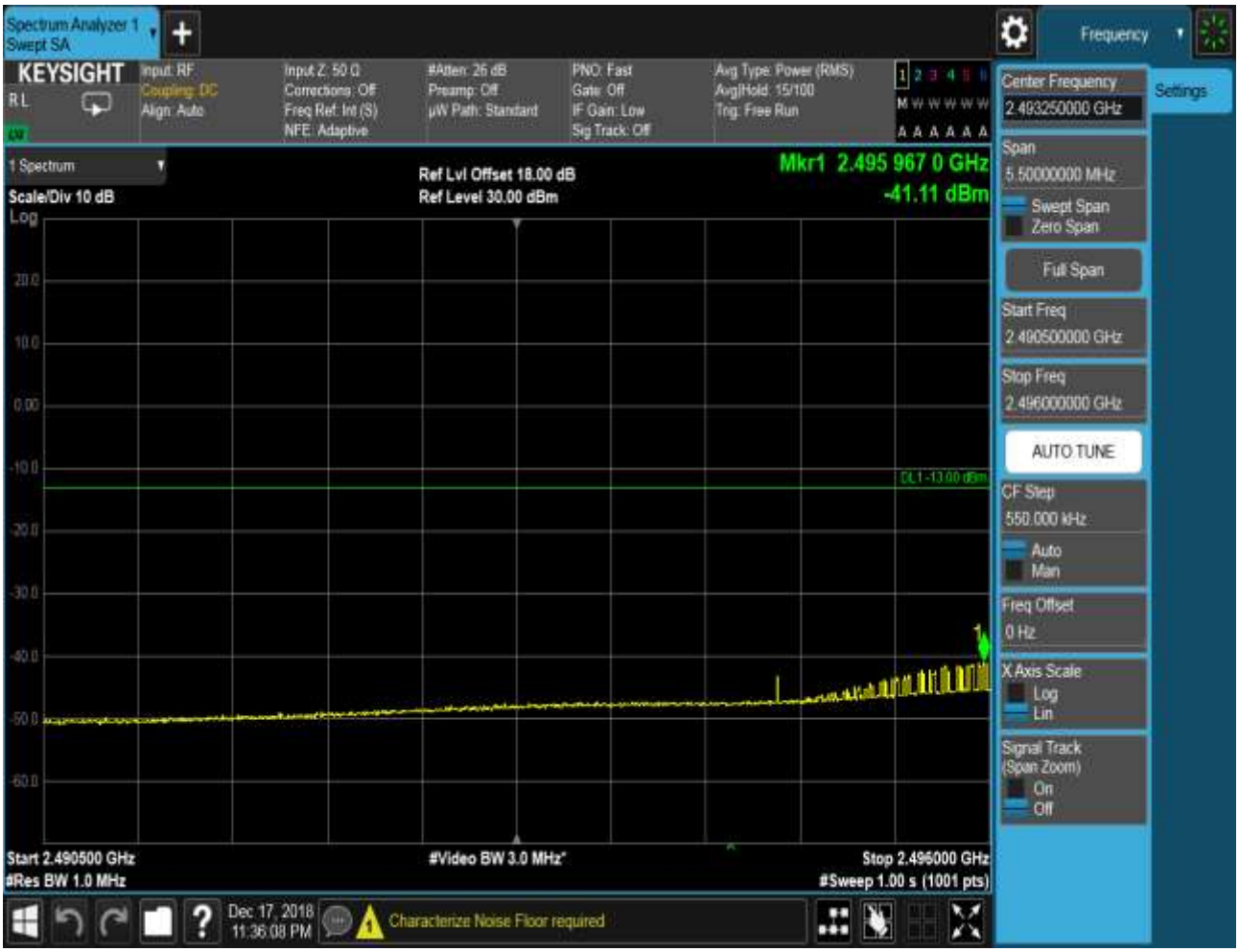
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 17/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-14.11 dBm
Start 2.499000 GHz
#Res BW 120 kHz
#Video BW 360 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:34:50 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.1.1.2 Test RB = RB1#24



Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.497 357 5 GHz
-36.59 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:36:26 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 17/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-32.86 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 120 kHz
#Video BW 360 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:36:46 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.1.1.3 Test RB = RB12#6

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 315 0 GHz
-33.23 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:38:23 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-30.67 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 120 kHz
#Video BW 360 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:38:43 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

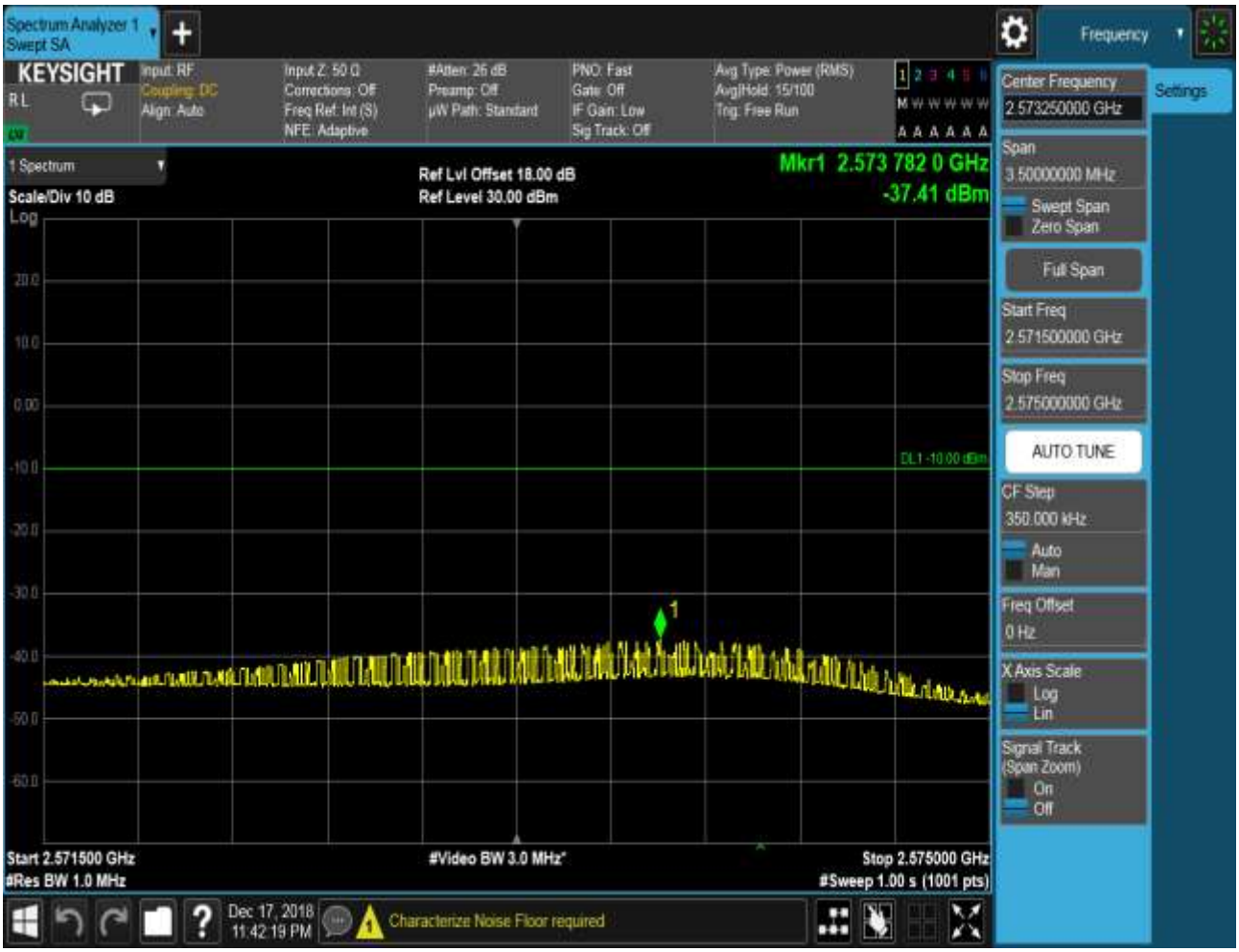
5.1.1.2.1.1.4 Test RB = RB25#0

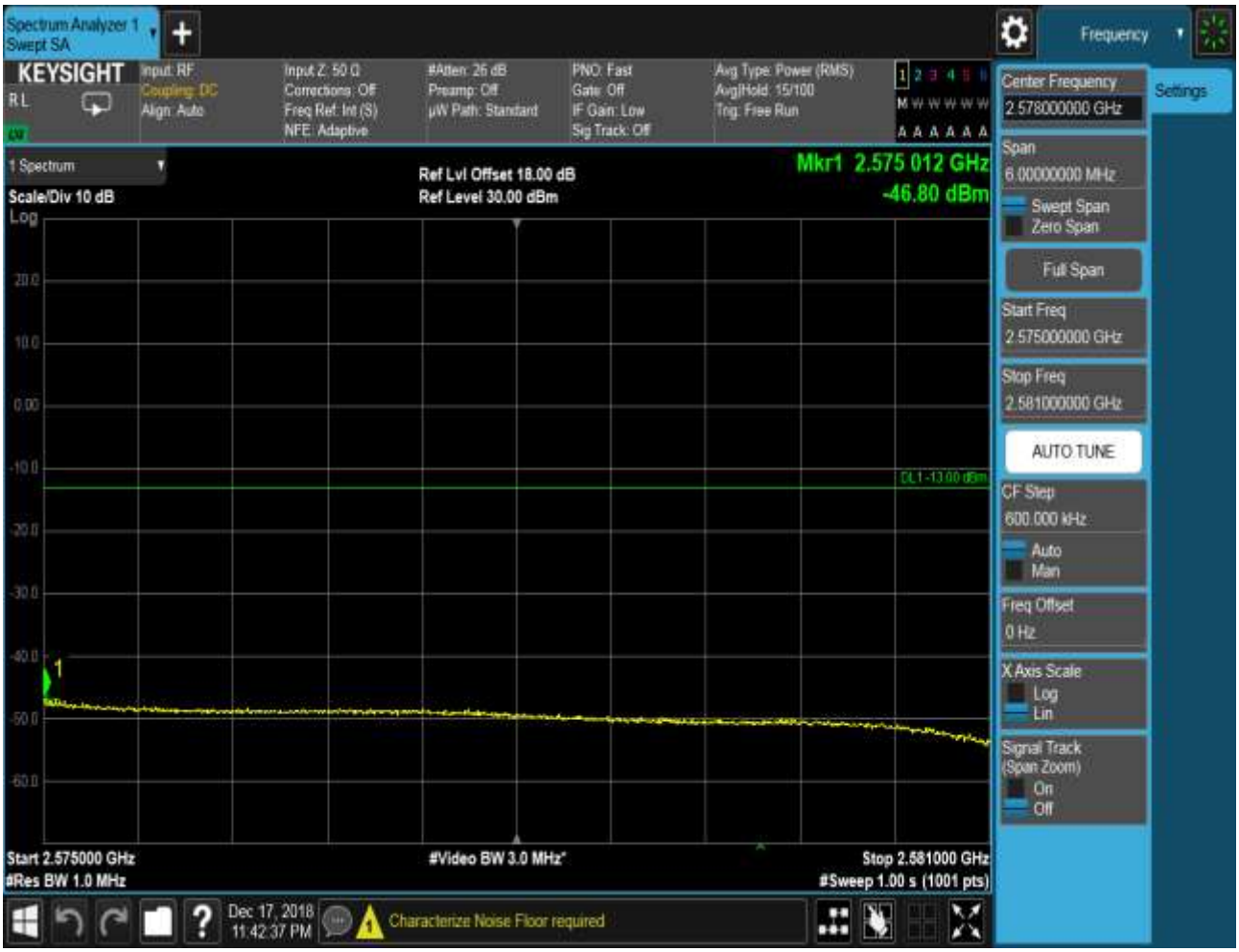
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 495 0 GHz
-29.00 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:40:18 PM
Characterize Noise Floor required

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-25.80 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 120 kHz
#Video BW 360 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:40:40 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.1.2 Test Channel = HCH

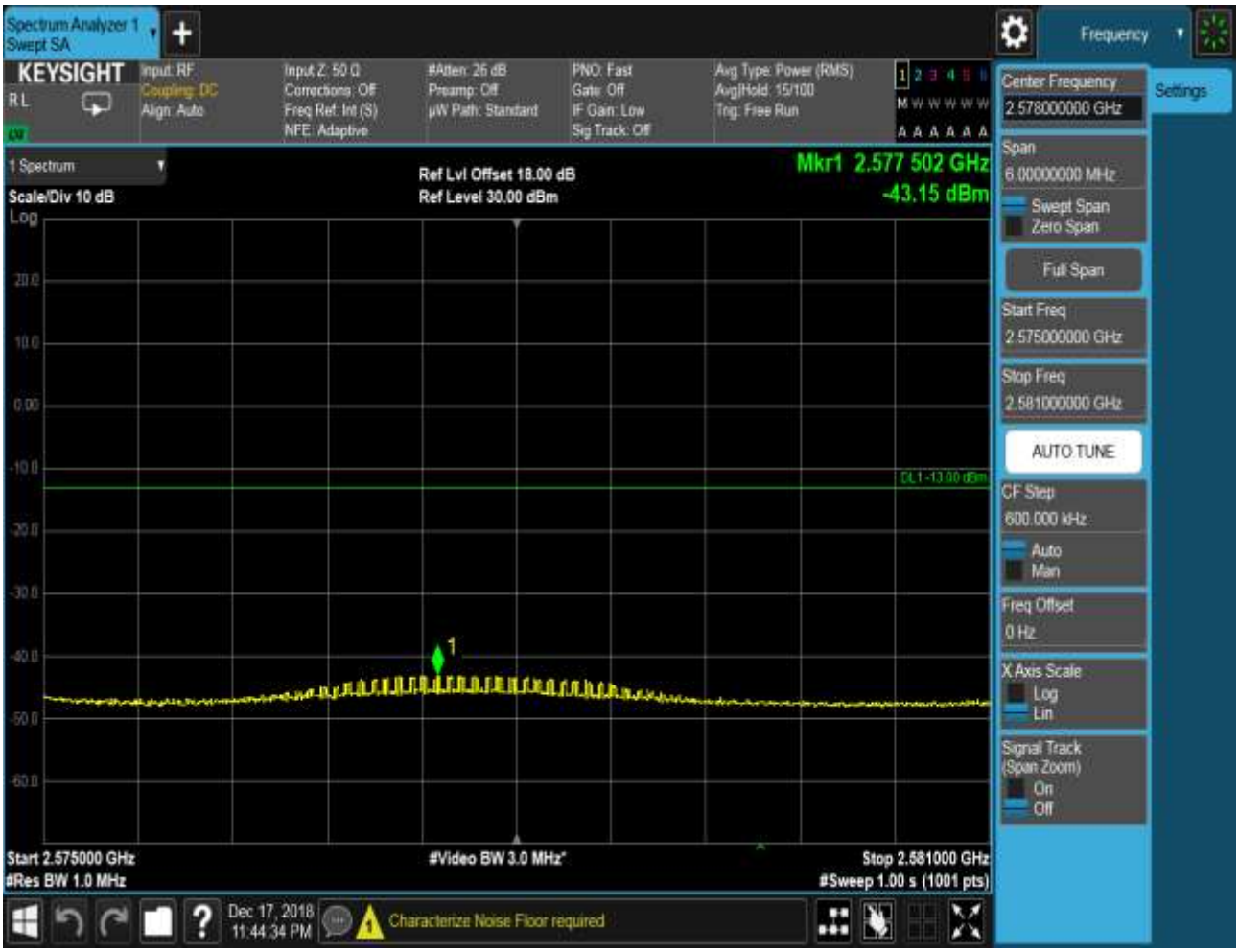
5.1.1.2.1.2.1 Test RB = RB1#0


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.573 782 0 GHz
-37.41 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:42:19 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 012 GHz
-46.80 dBm
DL1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.581000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:42:37 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.578000000 GHz
Span
6.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.581000000 GHz
AUTO TUNE
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.1.2.2 Test RB = RB1#24

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 500 0 GHz
-24.69 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:44:16 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.577 502 GHz
-43.15 dBm
DL1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.581000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:44:34 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.578000000 GHz
Span
6.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.581000000 GHz
AUTO TUNE
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.1.2.3 Test RB = RB12#6

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Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 14/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 521 0 GHz
-34.16 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:46:14 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 030 GHz
-44.32 dBm
DL1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.581000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:46:32 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.578000000 GHz
Span
6.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.581000000 GHz
AUTO TUNE
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.1.2.4 Test RB = RB25#0

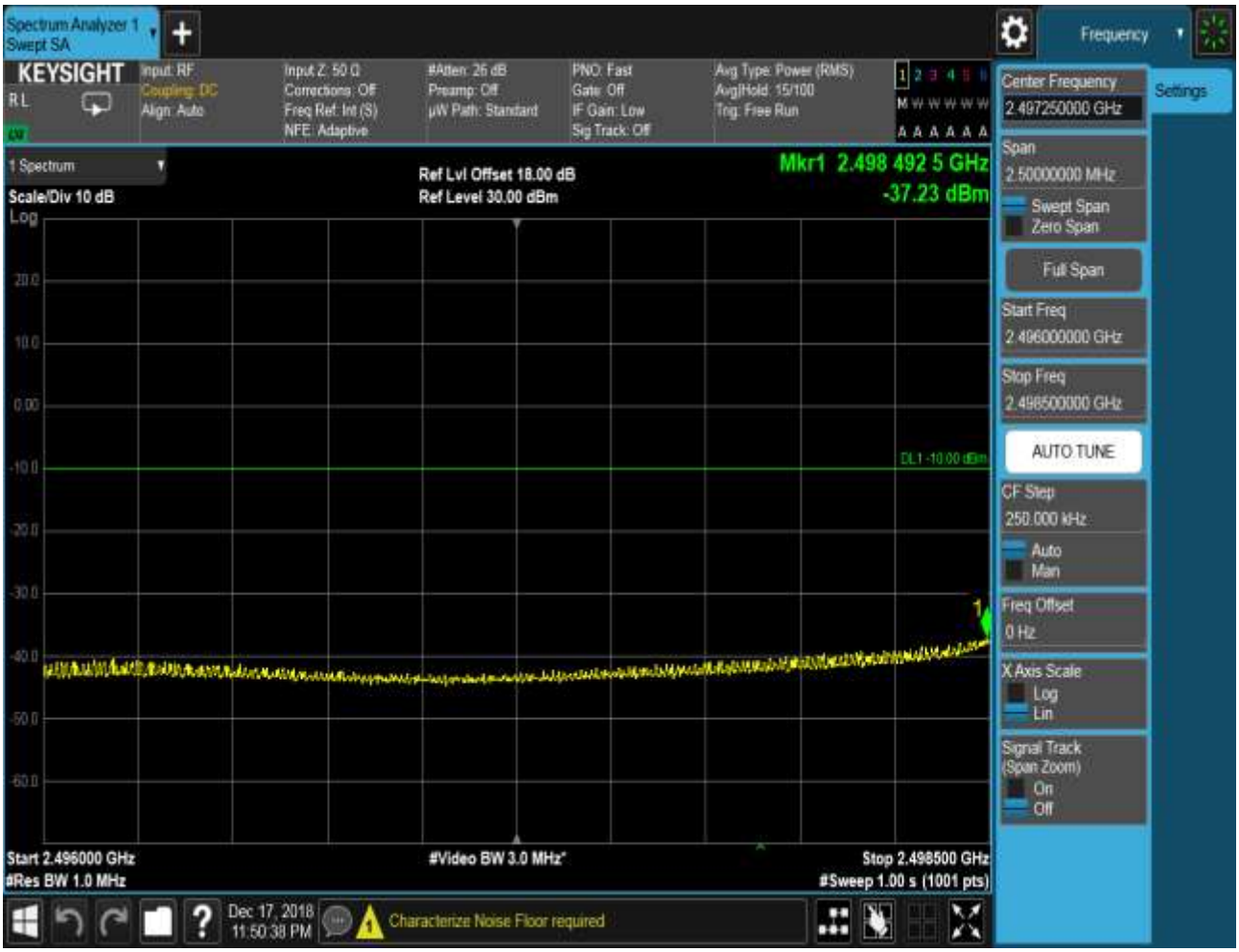
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 14/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 510 5 GHz
-28.38 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:48:09 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 012 GHz
-36.77 dBm
DL1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.581000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:48:28 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.578000000 GHz
Span
6.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.581000000 GHz
AUTO TUNE
CF Step
600.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.2 Test Bandwidth = 10

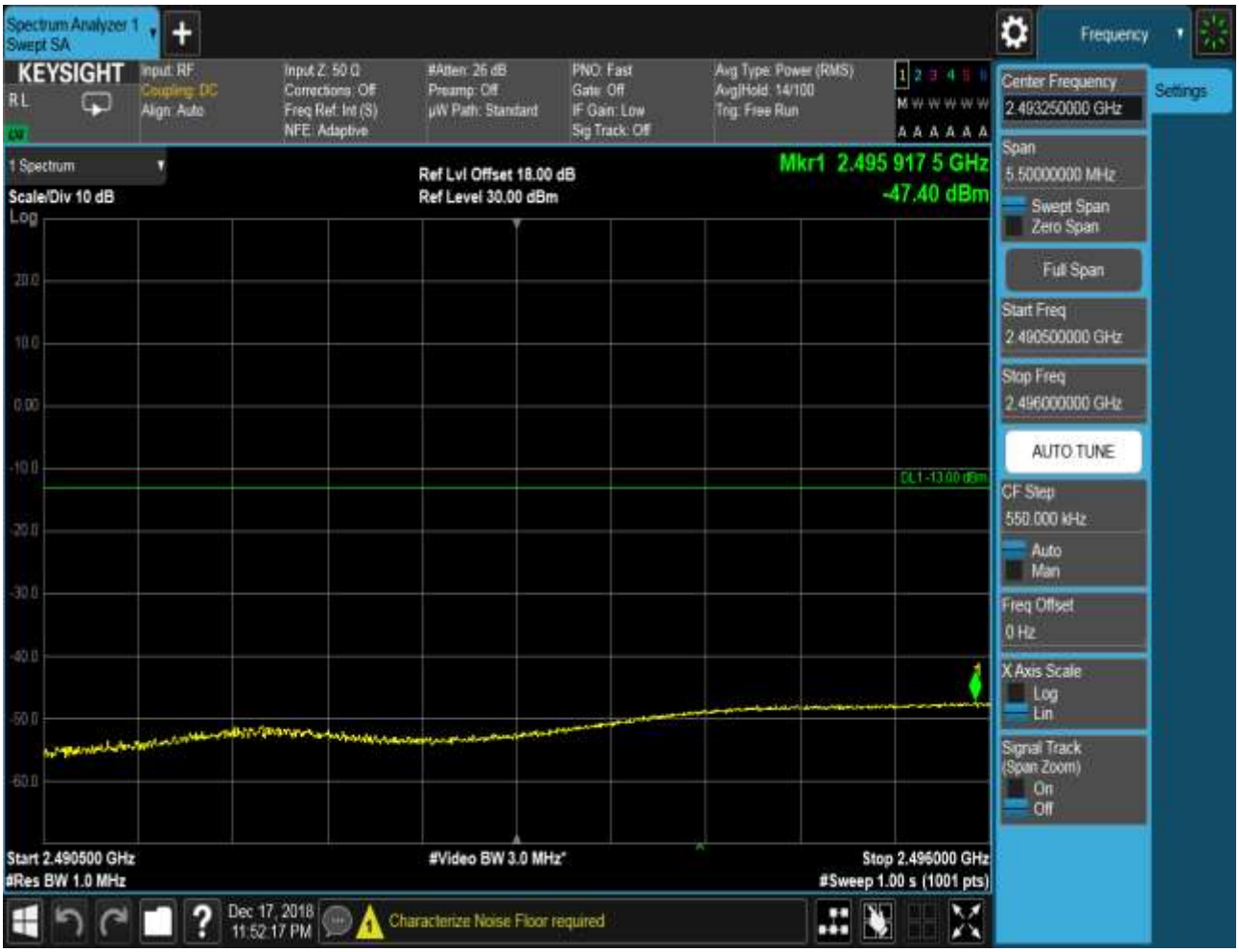
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 492 5 GHz
-37.23 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:50:38 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-17.27 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 200 kHz
#Video BW 620 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:51:00 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.2.1.2 Test RB = RB1#49



Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 420 0 GHz
-44.83 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:52:35 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 990 GHz
-37.29 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 200 kHz
#Video BW 620 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:52:57 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.2.1.3 Test RB = RB25#13

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 500 0 GHz
-33.88 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:54:32 PM
Characterize Noise Floor required

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 990 GHz
-34.67 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 200 kHz
#Video BW 620 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:54:53 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.2.1.4 Test RB = RB50#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 14/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 490 0 GHz
-33.04 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:56:30 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-30.82 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 200 kHz
#Video BW 620 kHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:56:50 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0

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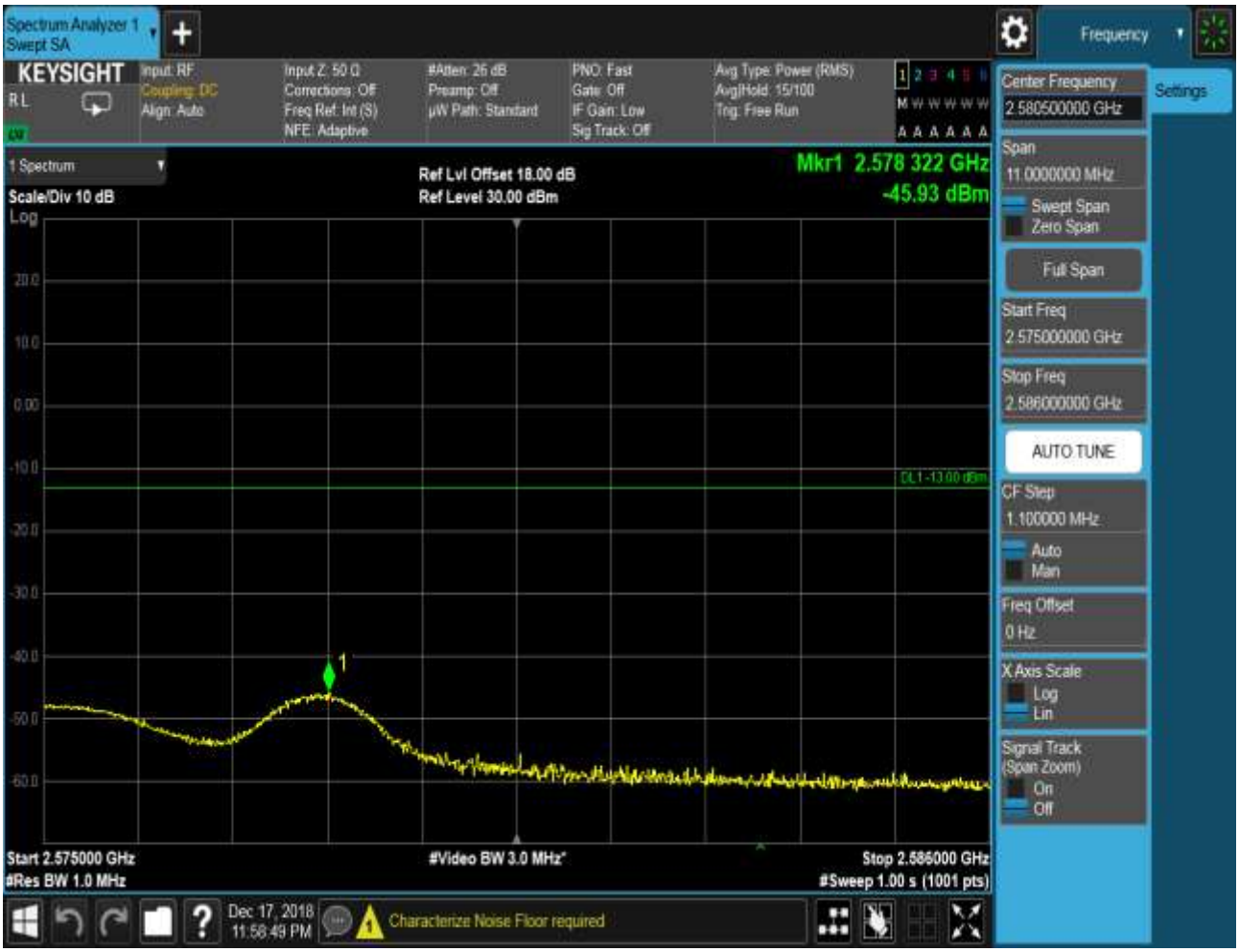
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 14/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 587 5 GHz
-45.33 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:58:31 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.578 322 GHz
-45.93 dBm
DL1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.586000 GHz
#Sweep 1.00 s (1001 pts)
Dec 17, 2018
11:58:49 PM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.580500000 GHz
Span
11.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.586000000 GHz
AUTO TUNE
CF Step
1.100000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.2.2.2 Test RB = RB1#49

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 500 0 GHz
-36.50 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:00:28 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.576 892 GHz
-44.29 dBm
D1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.586000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:00:47 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.580500000 GHz
Span
11.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.586000000 GHz
AUTO TUNE
CF Step
1.100000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.2.2.3 Test RB = RB25#13

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 510 5 GHz
-31.25 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:02:24 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 13/100
Trig: Free Run
Frequency
Settings
Center Frequency
2.580500000 GHz
Span
11.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.586000000 GHz
AUTO TUNE
CF Step
1.100000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 022 GHz
-40.33 dBm
D1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.586000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:02:43 AM
Characterize Noise Floor required

5.1.1.2.2.2.4 Test RB = RB50#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 503 5 GHz
-30.64 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:04:21 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 14/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 121 GHz
-33.74 dBm
DL1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.586000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:04:39 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.580500000 GHz
Span
11.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.586000000 GHz
AUTO TUNE
CF Step
1.100000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

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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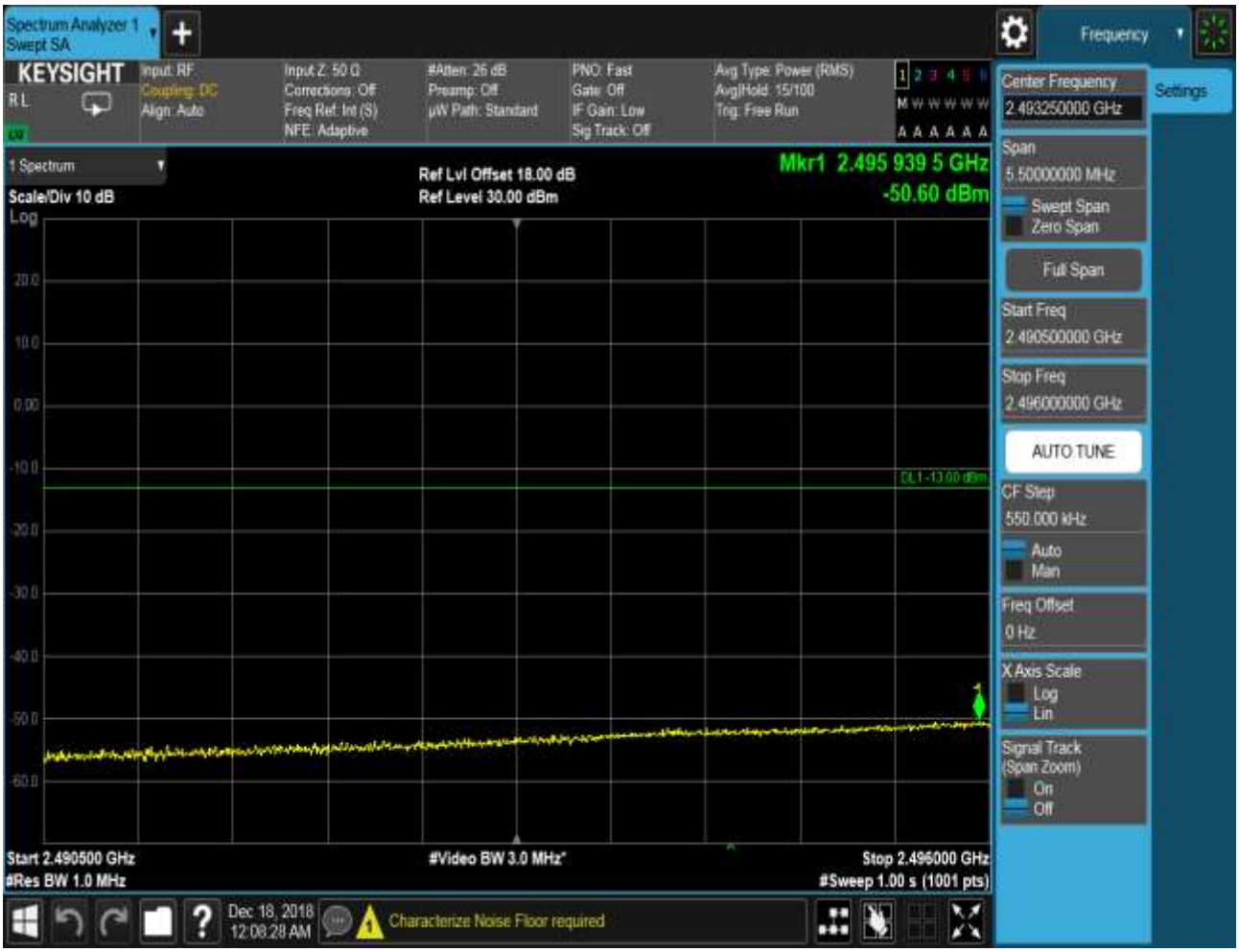
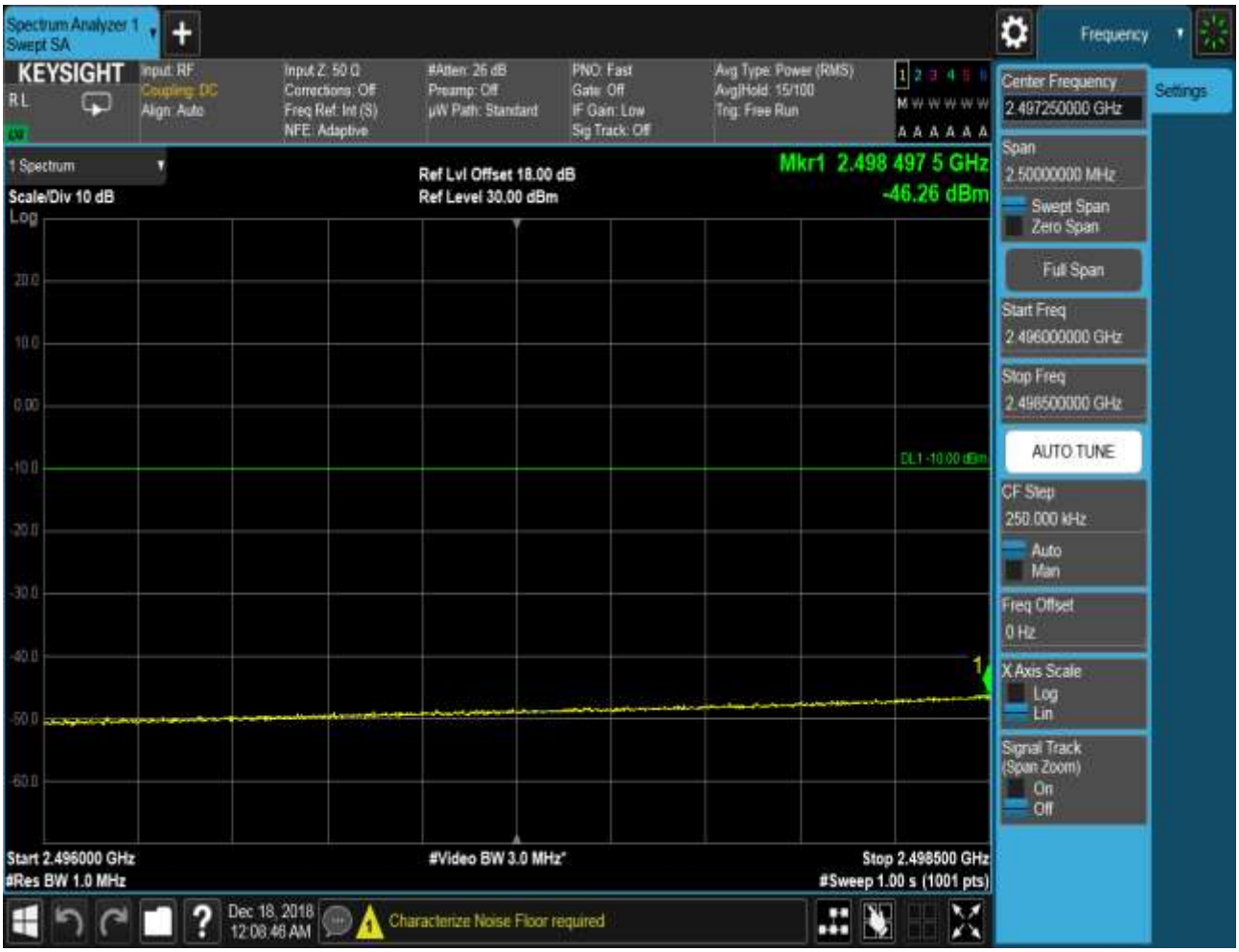
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 14/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 500 0 GHz
-38.91 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:06:49 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-15.57 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 330 kHz
#Video BW 1.0 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:07:11 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.3.1.2 Test RB = RB1#74




Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 497 5 GHz
-46.26 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:08:46 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-38.82 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 330 kHz
#Video BW 1.0 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:09:07 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.3.1.3 Test RB = RB38#19

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 482 5 GHz
-34.40 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:10:43 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 985 GHz
-33.50 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 330 kHz
#Video BW 1.0 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:11:05 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.3.1.4 Test RB = RB75#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 292 5 GHz
-31.82 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:12:41 AM
Characterize Noise Floor required

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 17/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 990 GHz
-29.01 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 330 kHz
#Video BW 1.0 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:13:01 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0

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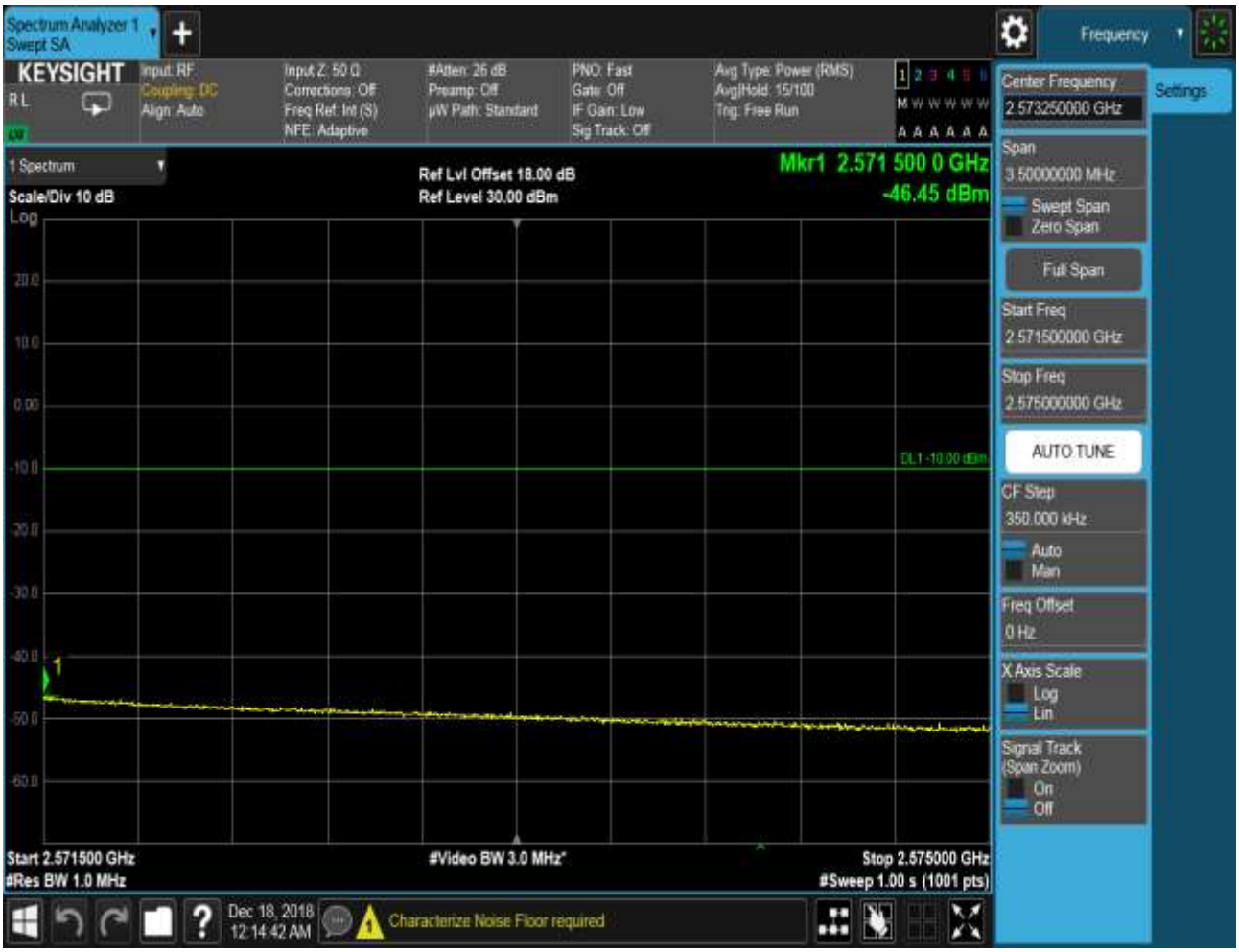
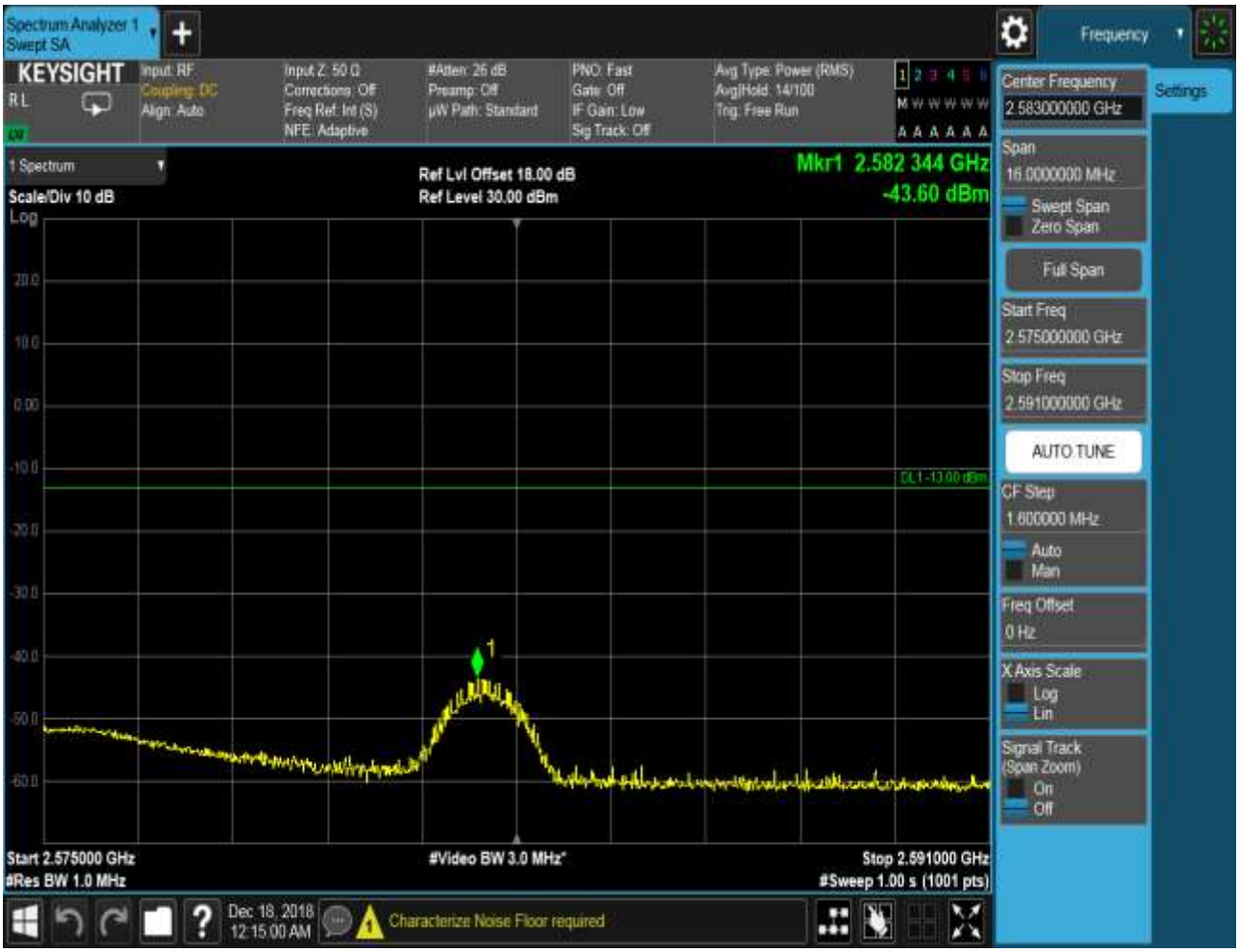
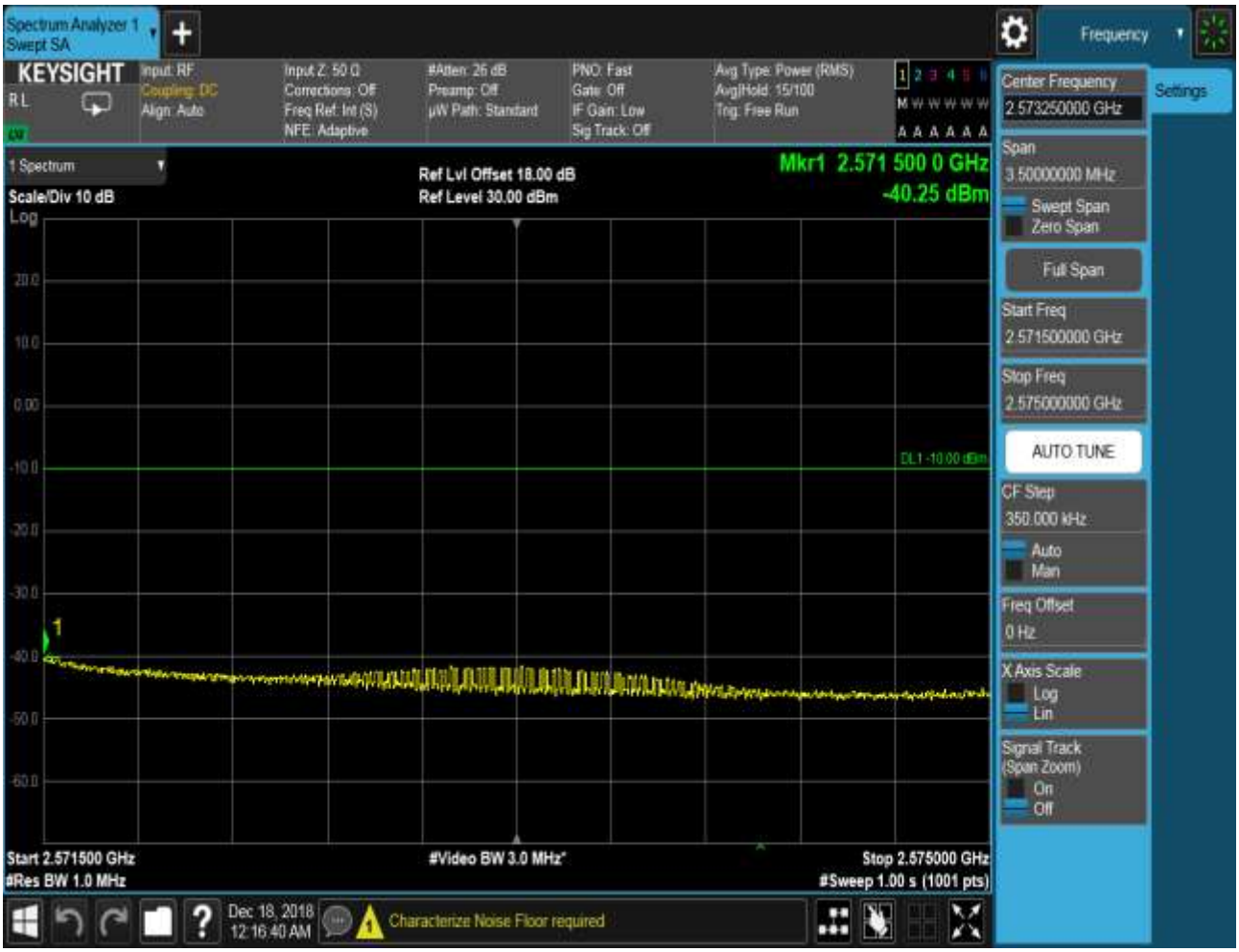
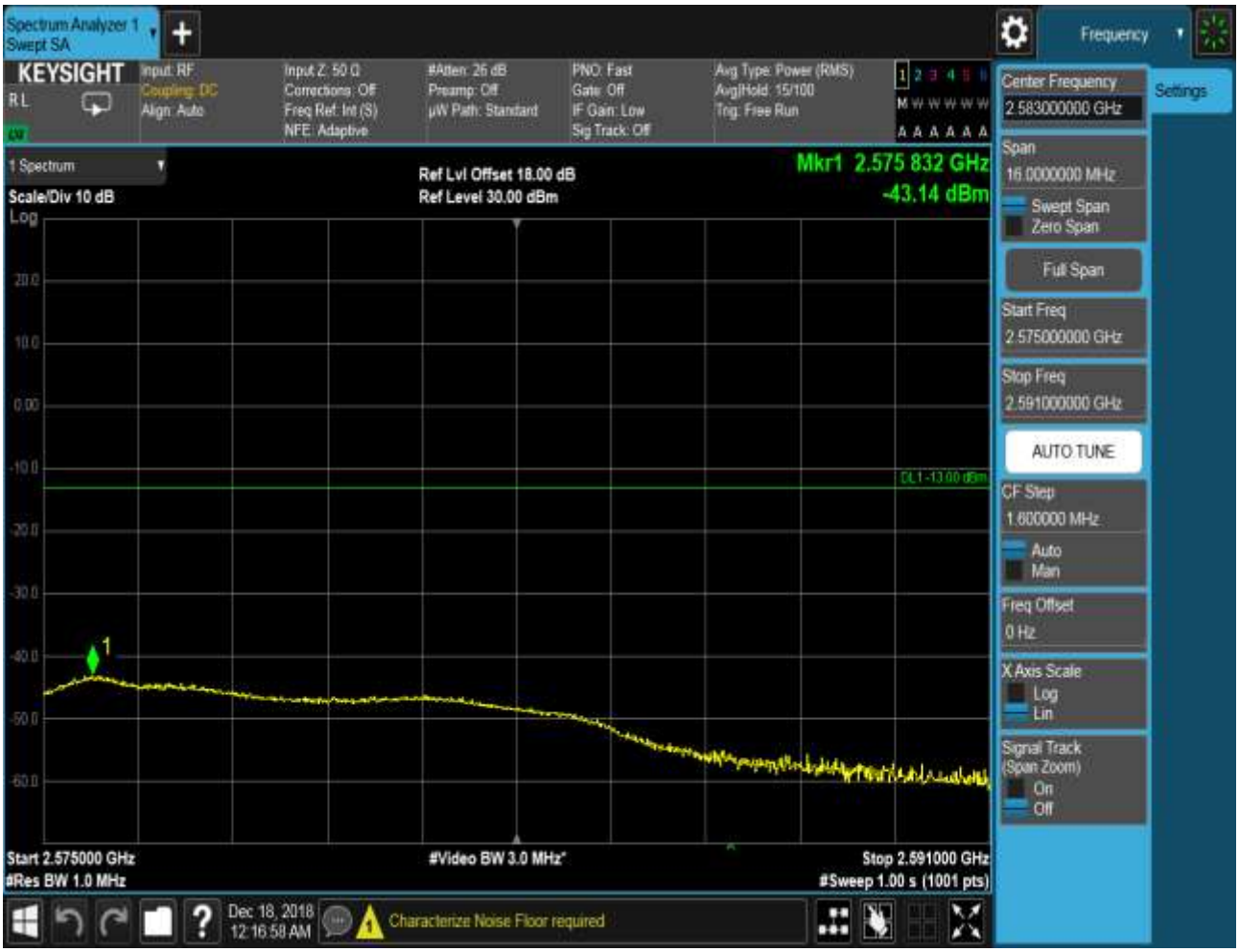

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 500 0 GHz
-46.45 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:14:42 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 14/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.582 344 GHz
-43.60 dBm
DL1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.591000 GHz
#Sweep 1.00 s (1001 pts)
Frequency
Settings
Center Frequency
2.583000000 GHz
Span
16.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.591000000 GHz
AUTO TUNE
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off
Dec 18, 2018
12:15:00 AM
Characterize Noise Floor required

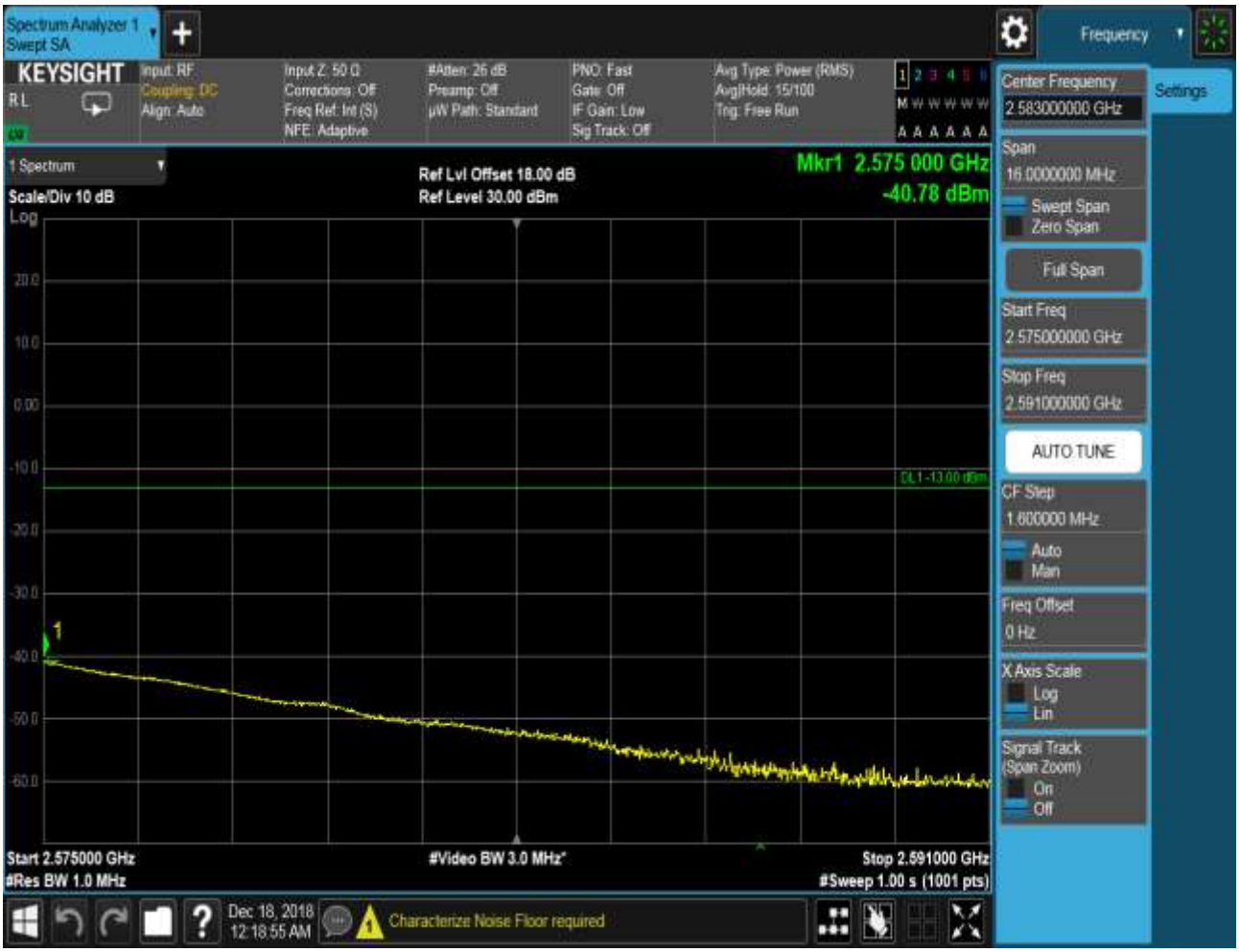
5.1.1.2.3.2.2 Test RB = RB1#74


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 500 0 GHz
-40.25 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:16:40 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
Frequency
Settings
Center Frequency
2.583000000 GHz
Span
16.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.591000000 GHz
AUTO TUNE
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 832 GHz
-43.14 dBm
D1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.591000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:16:58 AM
Characterize Noise Floor required

5.1.1.2.3.2.3 Test RB = RB38#19

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 514 0 GHz
-32.12 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:18:37 AM
Characterize Noise Floor required


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 000 GHz
-40.78 dBm
DL1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.591000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:18:55 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.583000000 GHz
Span
16.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.591000000 GHz
AUTO TUNE
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.3.2.4 Test RB = RB75#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 678 5 GHz
-29.52 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:20:34 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 160 GHz
-32.84 dBm
DL1 -13.00 dBm
Start 2.575000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.591000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:20:52 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.583000000 GHz
Span
16.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.591000000 GHz
AUTO TUNE
CF Step
1.600000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.4 Test Bandwidth = 20

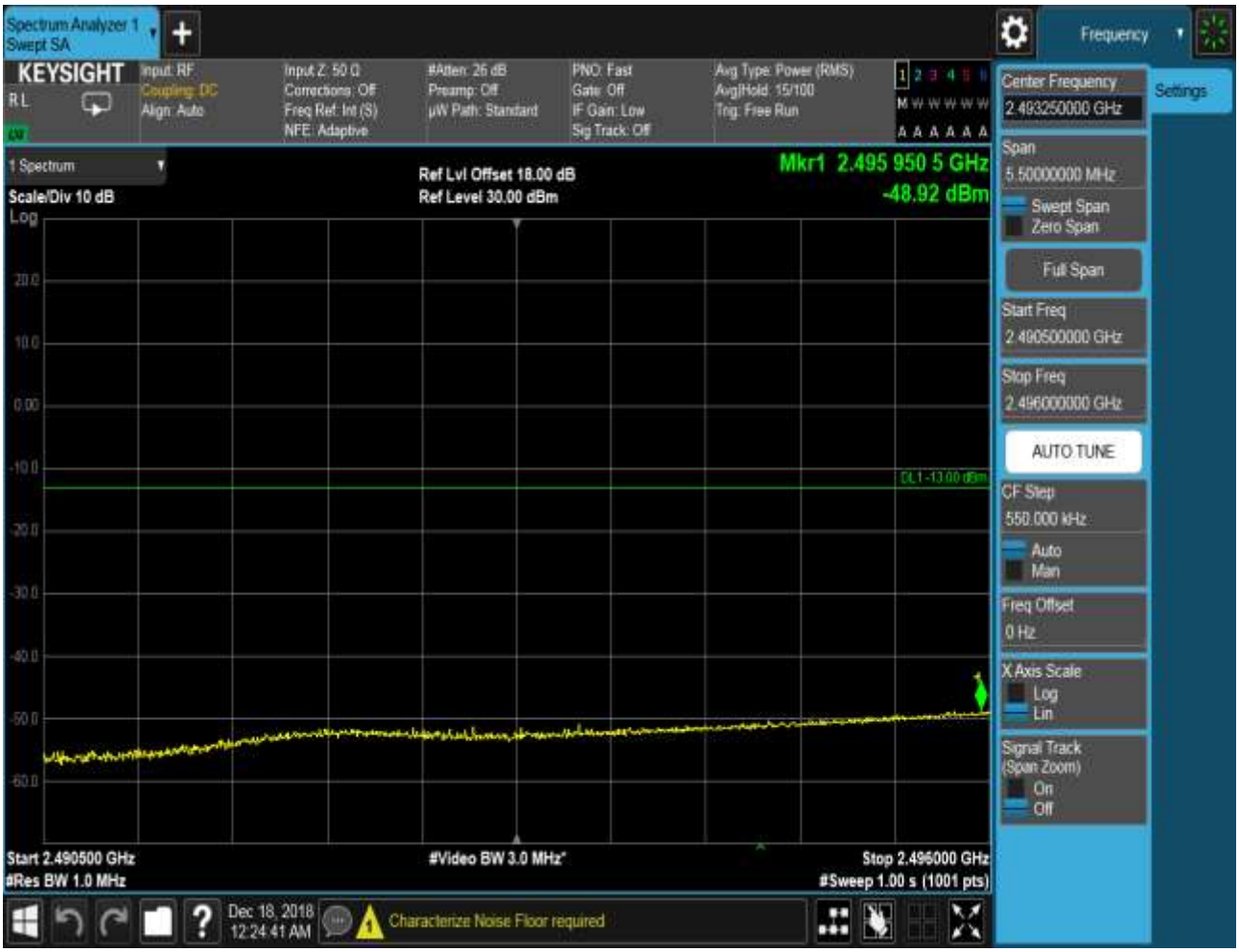
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.496 172 5 GHz
-36.52 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:23:02 AM
Characterize Noise Floor required

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 17/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-18.91 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 430 kHz
#Video BW 1.3 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:23:23 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.4.1.2 Test RB = RB1#99



Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 367 5 GHz
-46.75 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:24:59 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 17/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-39.59 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 430 kHz
#Video BW 1.3 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:25:20 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.4.1.3 Test RB = RB50#25

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 485 0 GHz
-35.62 dBm
DL1 -10.00 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:26:56 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 17/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-35.80 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 430 kHz
#Video BW 1.3 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:27:17 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.4.1.4 Test RB = RB100#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.498 415 0 GHz
-30.94 dBm
Start 2.496000 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.498500 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:28:53 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.497250000 GHz
Span
2.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.496000000 GHz
Stop Freq
2.498500000 GHz
AUTO TUNE
CF Step
250.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 18/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.499 995 GHz
-30.42 dBm
DL1 -10.00 dBm
Start 2.499000 GHz
#Res BW 430 kHz
#Video BW 1.3 MHz*
Stop 2.501000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:29:15 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.500000000 GHz
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.499000000 GHz
Stop Freq
2.501000000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 654 0 GHz
-47.80 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:30:56 AM
Characterize Noise Floor required

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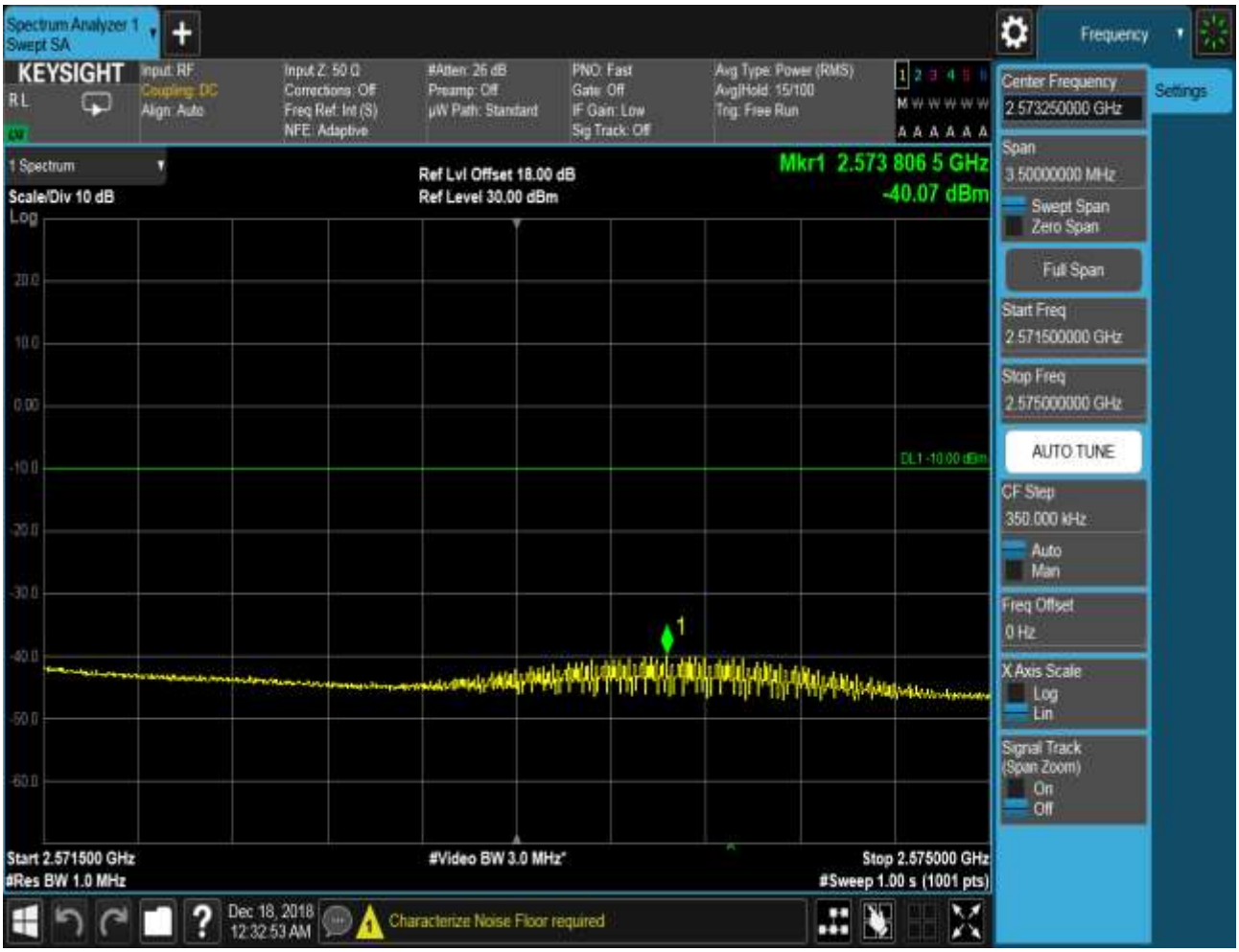
5.1.1.2.4.2.2 Test RB = RB1#99


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.573 806 5 GHz
-40.07 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:32:53 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.577 751 GHz
-43.14 dBm
DL1 -13.00 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:33:11 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.585500000 GHz
Span
21.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
AUTO TUNE
CF Step
2.100000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.4.2.3 Test RB = RB50#25

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Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 587 5 GHz
-34.46 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:34:49 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 084 GHz
-40.32 dBm
DL1 -13.00 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:35:08 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.585500000 GHz
Span
21.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
AUTO TUNE
CF Step
2.100000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

5.1.1.2.4.2.4 Test RB = RB100#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.571 514 0 GHz
-28.51 dBm
DL1 -10.00 dBm
Start 2.571500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.575000 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:36:46 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.573250000 GHz
Span
3.50000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.571500000 GHz
Stop Freq
2.575000000 GHz
AUTO TUNE
CF Step
350.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 26 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 15/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 30.00 dBm
Mkr1 2.575 021 GHz
-31.63 dBm
D1 -13.00 dBm
Start 2.57500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 2.59600 GHz
#Sweep 1.00 s (1001 pts)
Dec 18, 2018
12:37:04 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
2.585500000 GHz
Span
21.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.575000000 GHz
Stop Freq
2.596000000 GHz
AUTO TUNE
CF Step
2.100000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

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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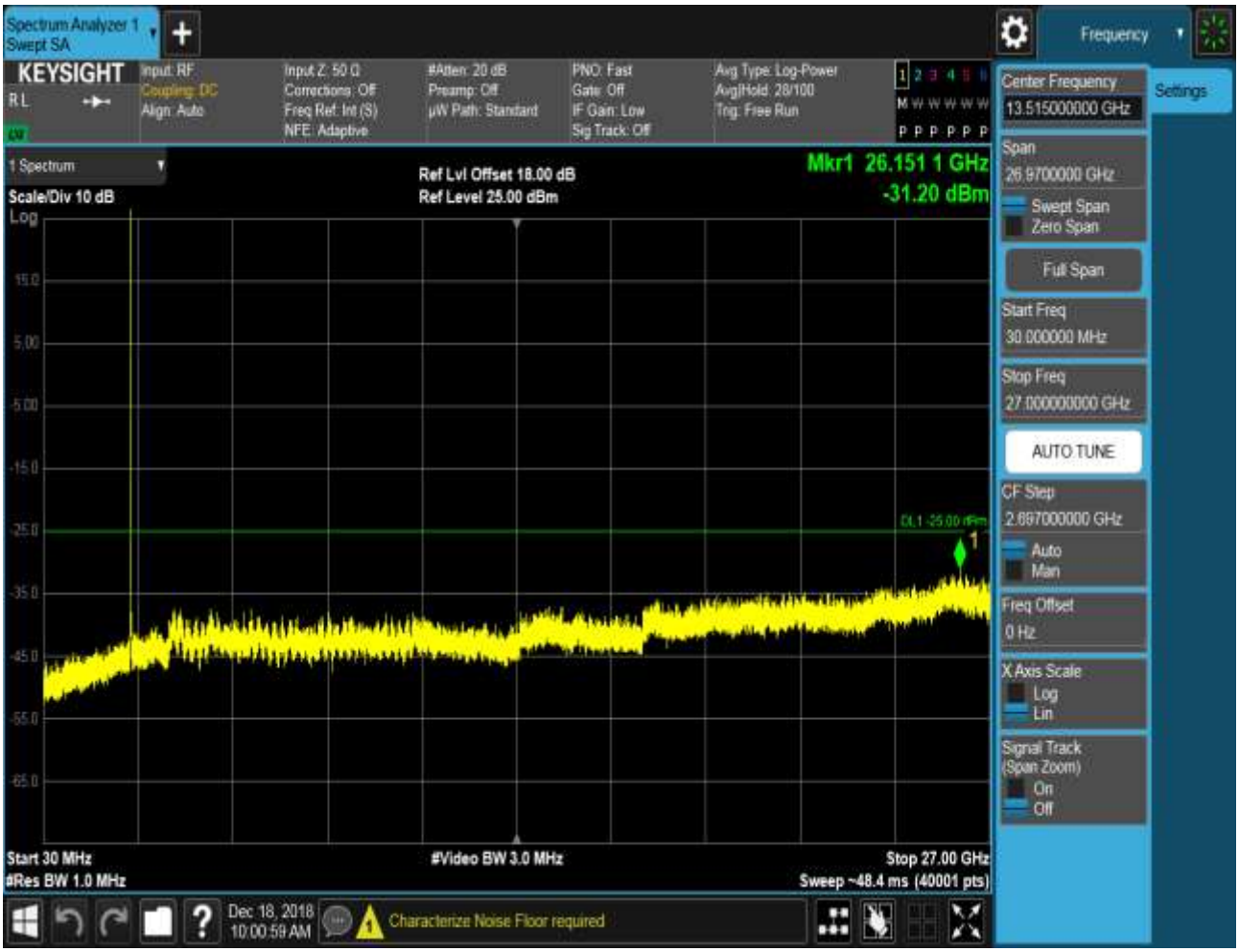
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 49.608 kHz
-60.14 dBm
DL1 -55.00 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#Video BW 3.0 kHz
Stop 150.00 kHz
Sweep 1.00 ms (1001 pts)
Dec 18, 2018
10:00:38 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
79.500 kHz
Span
141.000000 kHz
Swept Span
Zero Span
Full Span
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
AUTO TUNE
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 150.00 kHz
-66.09 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:00:47 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 28/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 26.151 1 GHz
-31.20 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:00:59 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.1.2 Test Channel = MCH

6.2.1.1.1.2.1 Test RB = RB1#0

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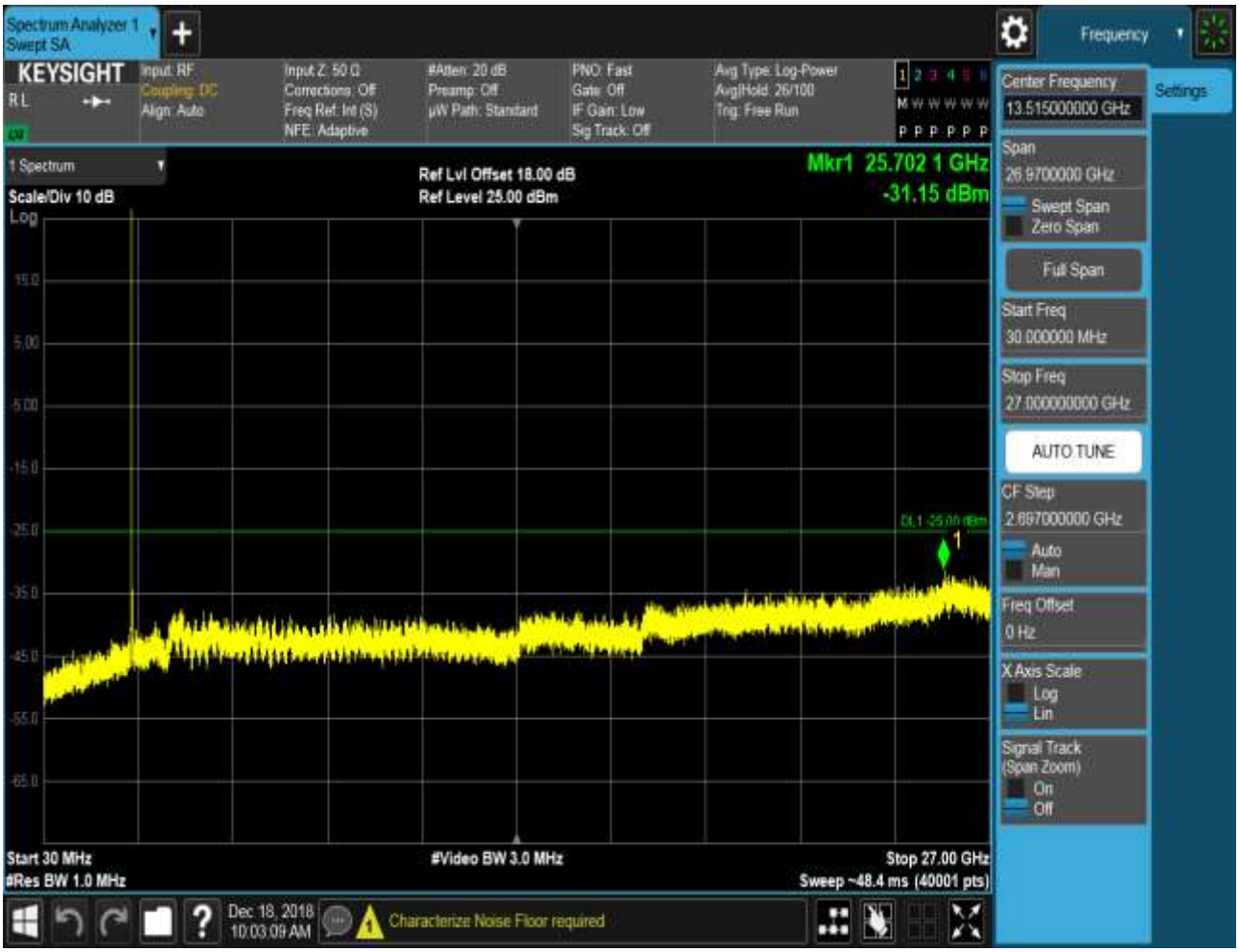
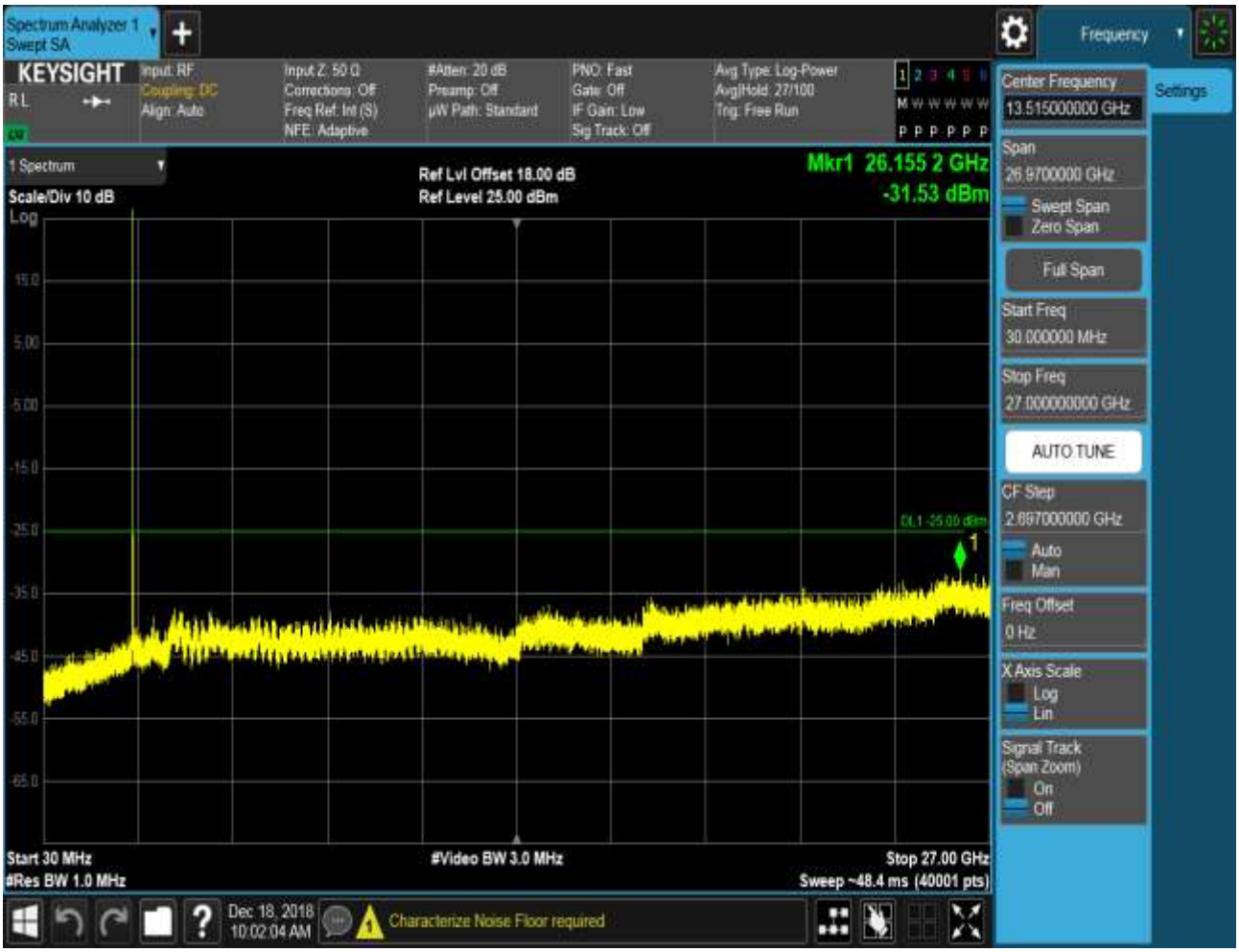
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 150.00 kHz
-66.74 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:02:56 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 26/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 25.702 1 GHz
-31.15 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:03:09 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.1.3 Test Channel = HCH

6.2.1.1.1.3.1 Test RB = RB1#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 4.096 17 MHz
-53.93 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:01:51 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

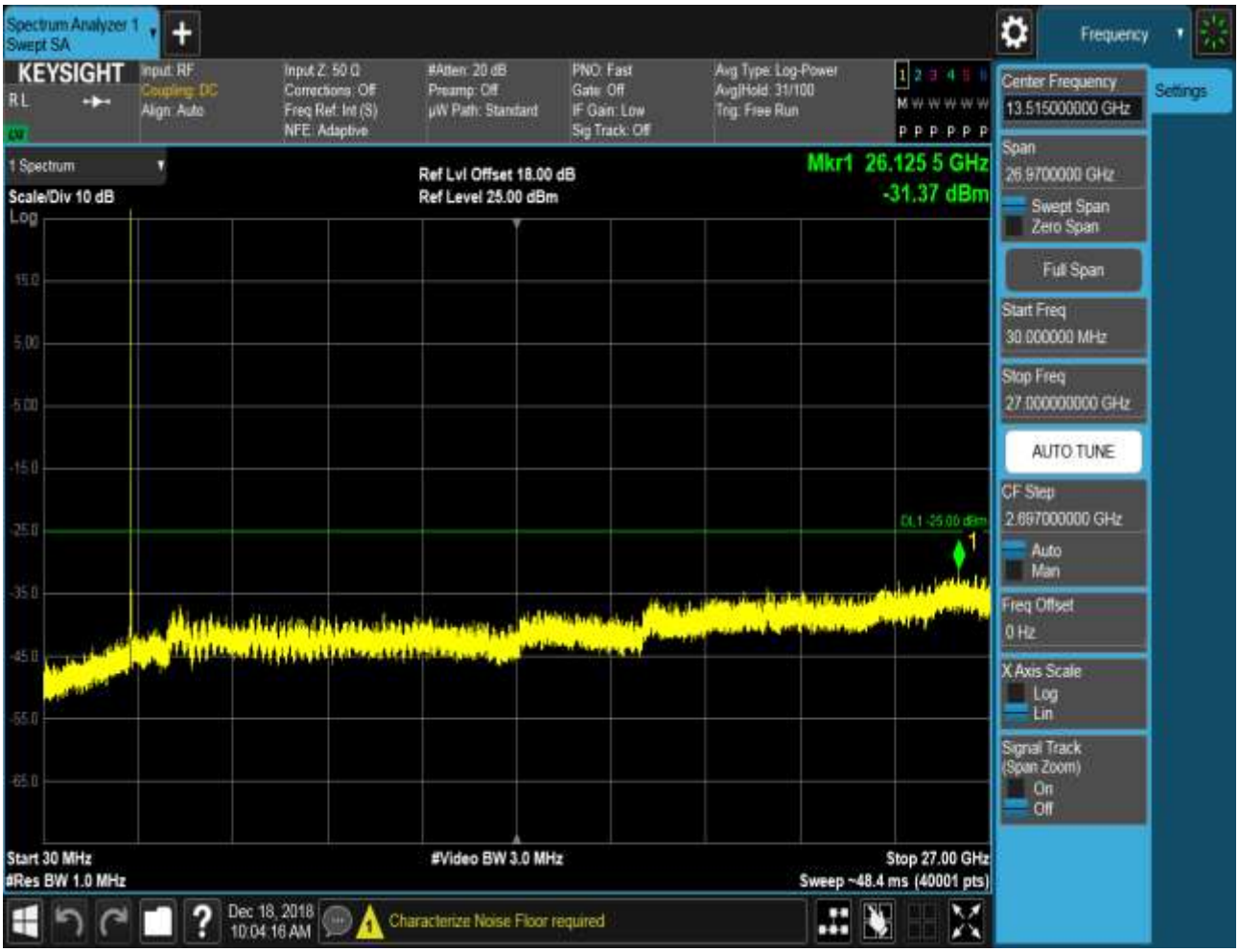

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 27/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 26.155 2 GHz
-31.53 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:02:04 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

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

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 150.00 kHz
-67.75 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:04:05 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 31/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 26.125 5 GHz
-31.37 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:04:16 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0

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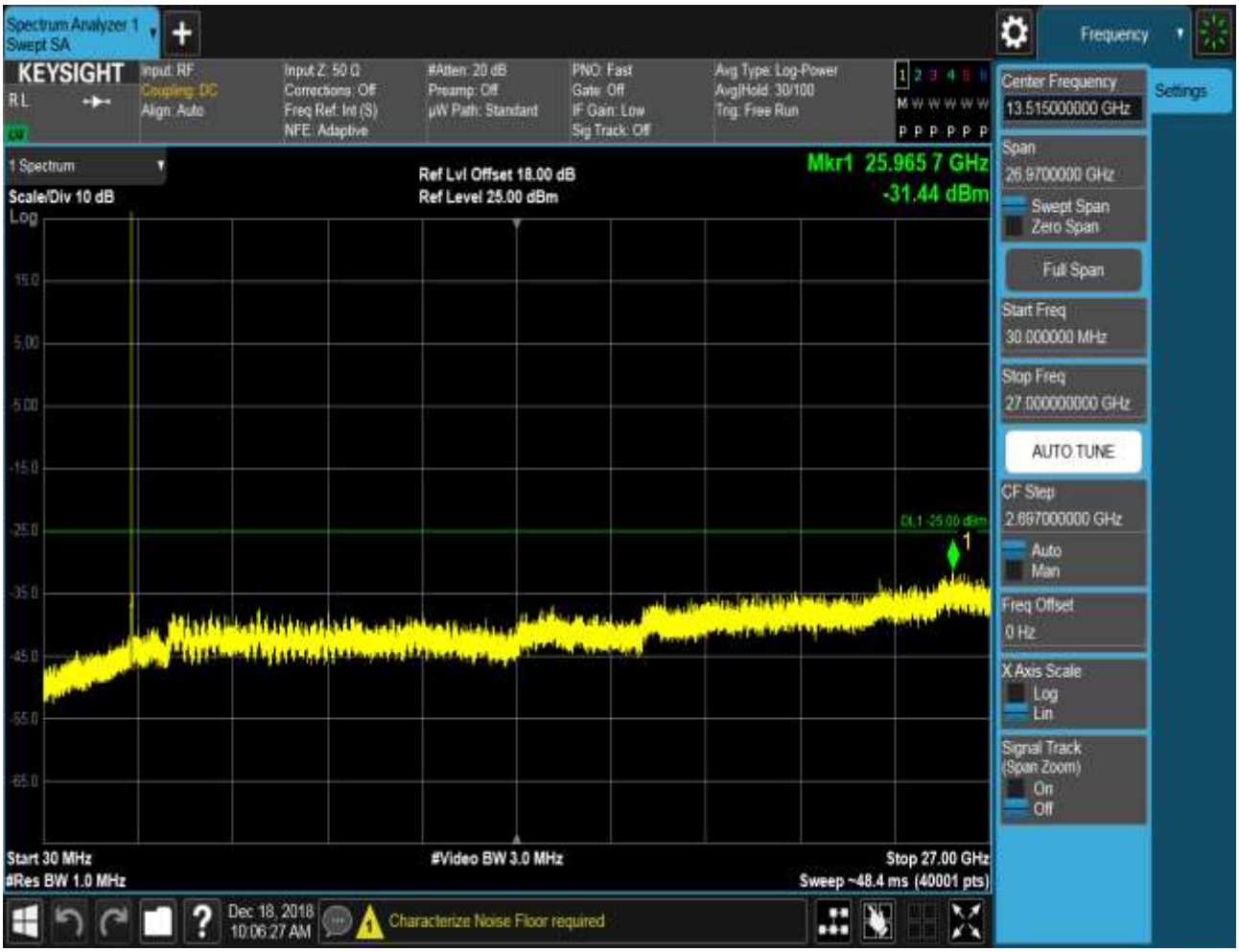
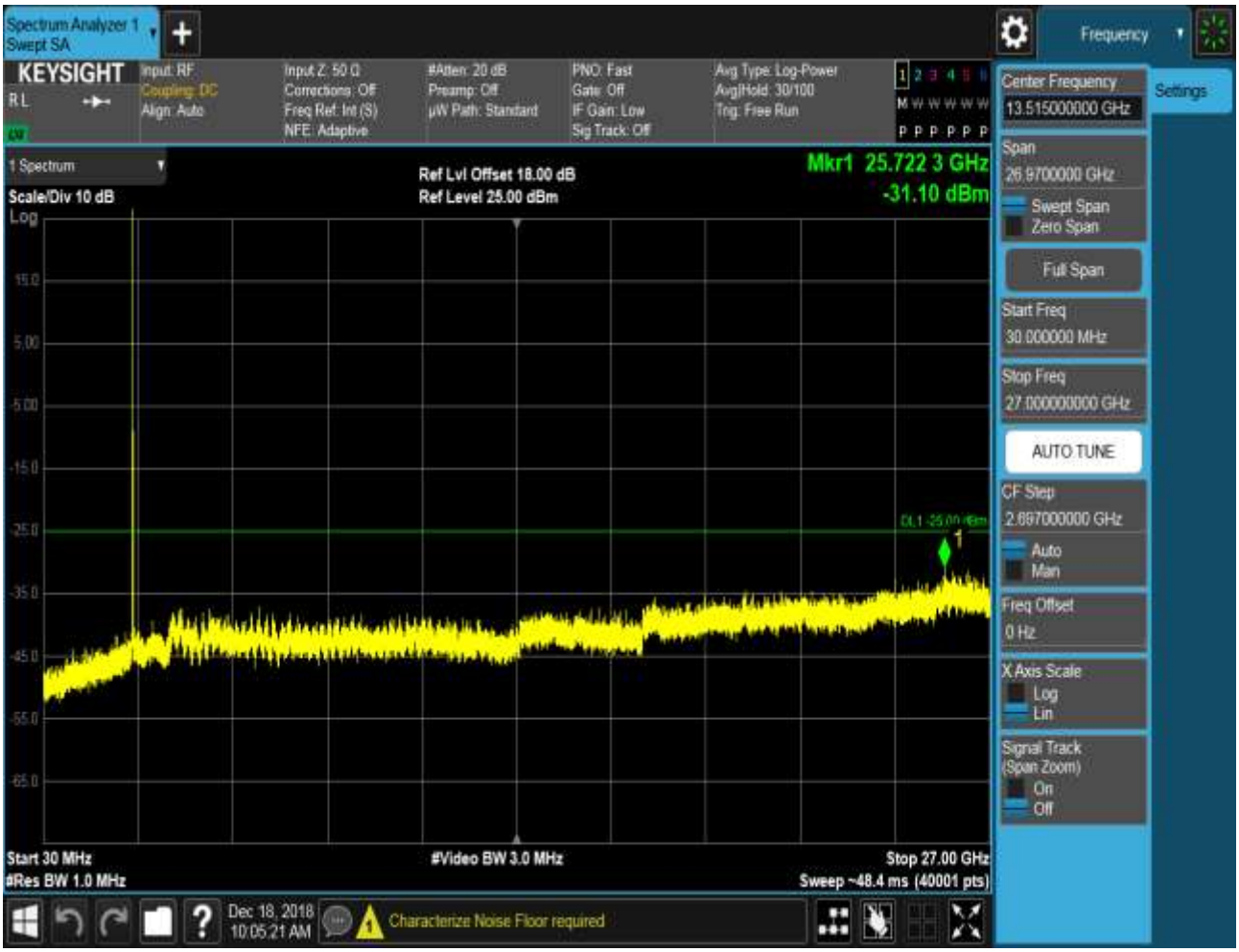
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 23/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 150.00 kHz
-66.57 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 285 ms (5001 pts)
Dec 18, 2018
10:06:16 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 30/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 25.965 7 GHz
-31.44 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:06:27 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 412.68 kHz
-67.16 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:05:09 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

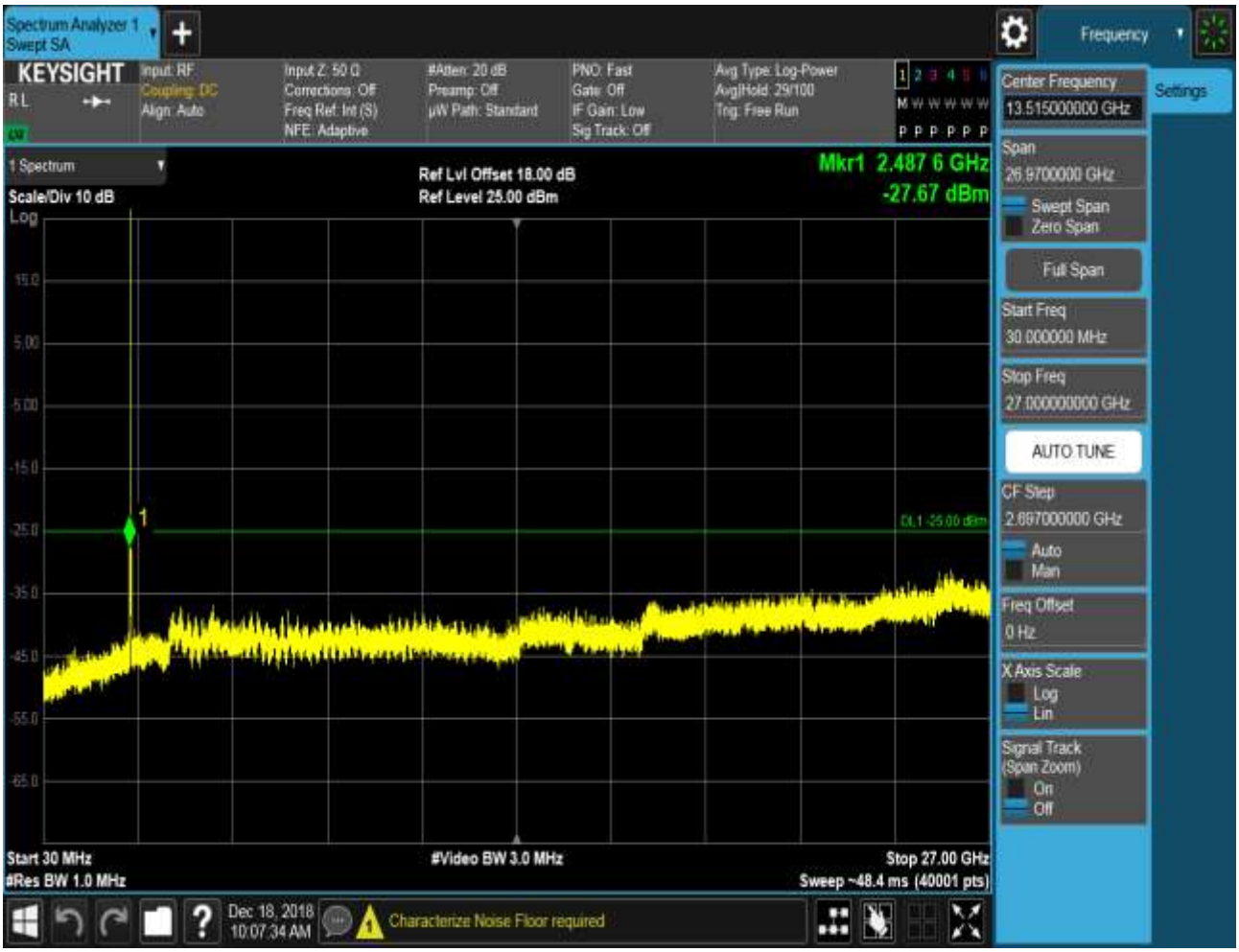

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 30/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 25.722 3 GHz
-31.10 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:05:21 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.3 Test Bandwidth = 15

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0

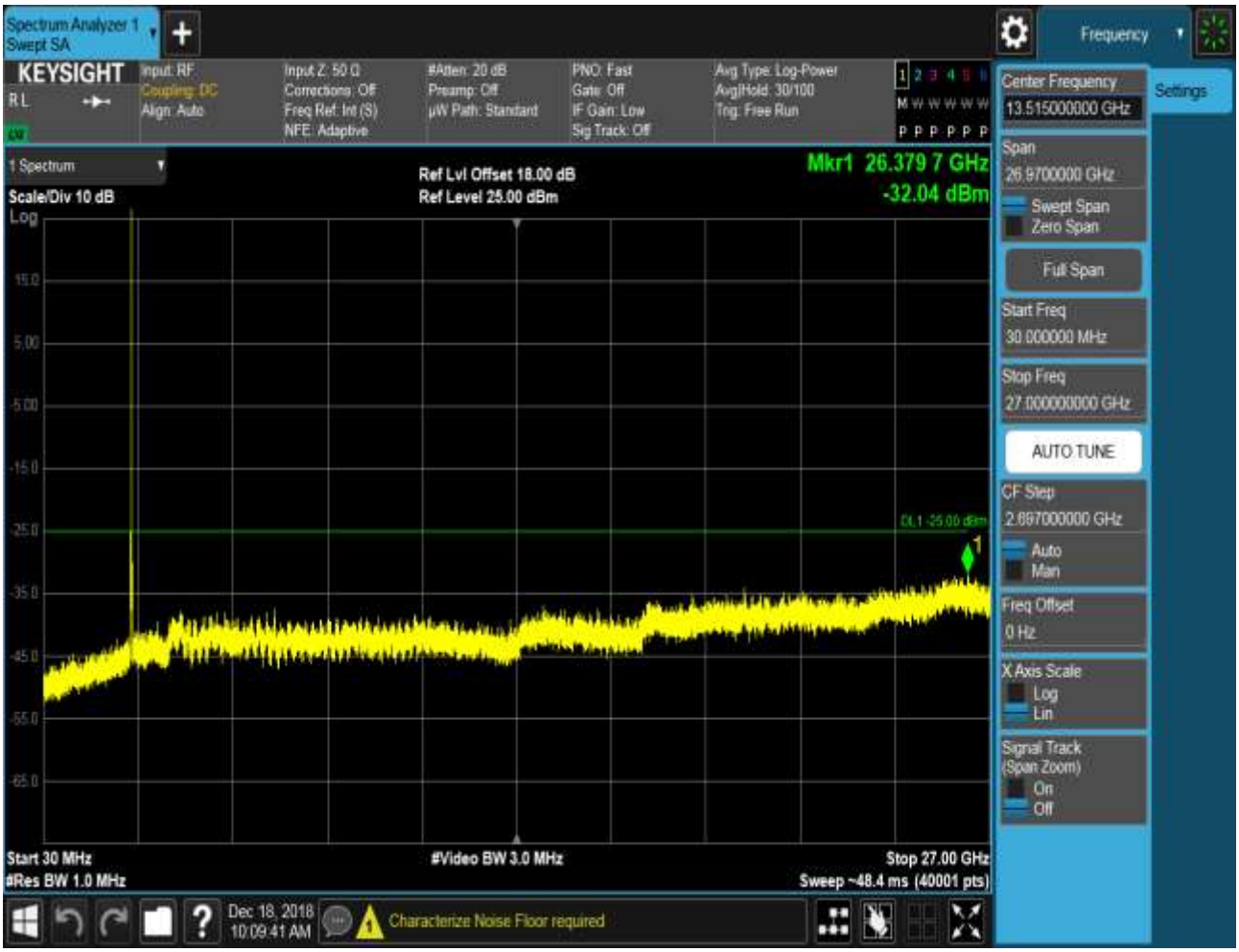
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 723.12 kHz
-66.62 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:07:23 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 29/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 2.487 6 GHz
-27.67 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:07:34 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 150.00 kHz
-67.38 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:09:31 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 30/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 26.379 7 GHz
-32.04 dBm
D1 -25.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:09:41 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0

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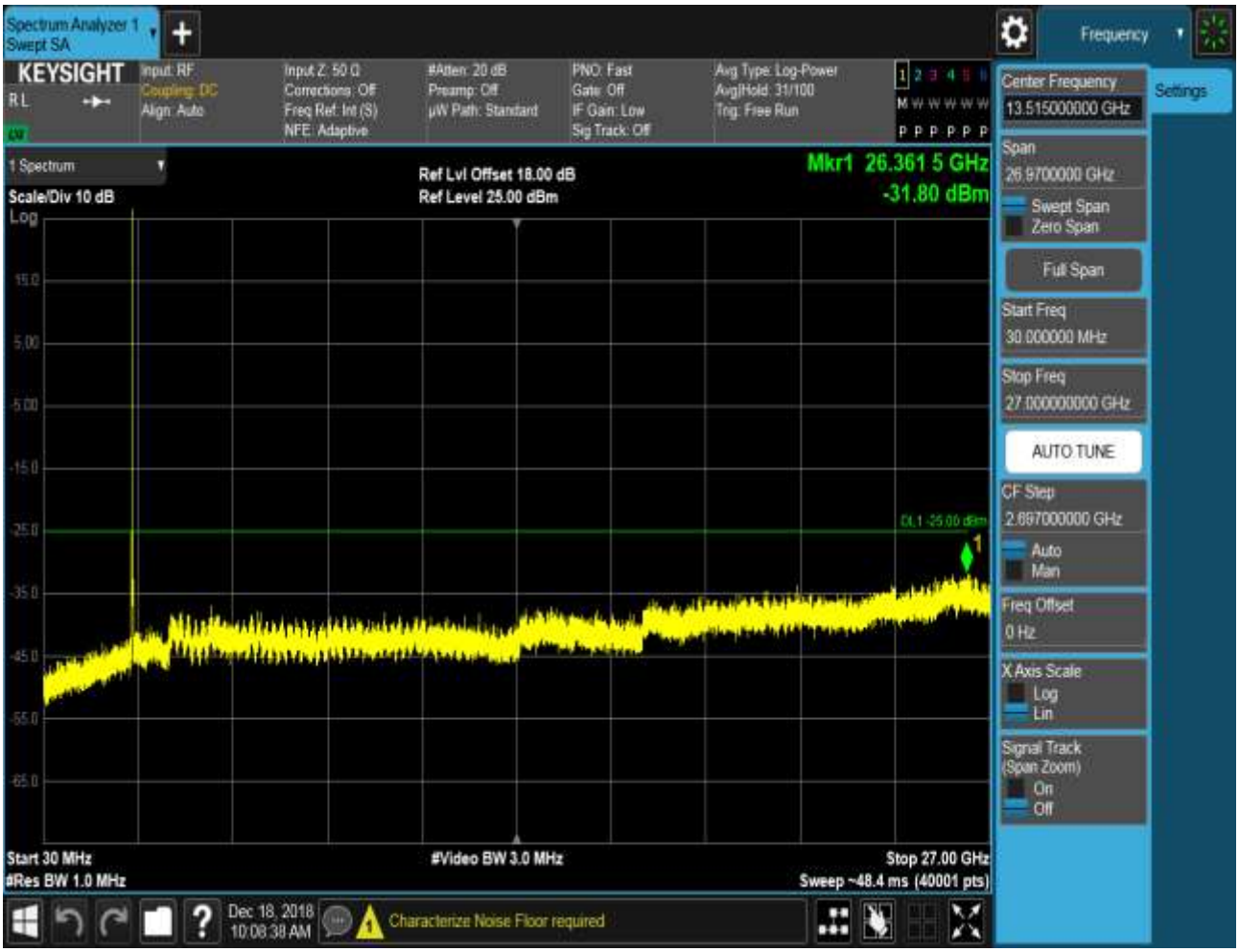
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 424.62 kHz
-65.08 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:08:26 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 31/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 26.361 5 GHz
-31.80 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:08:38 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0

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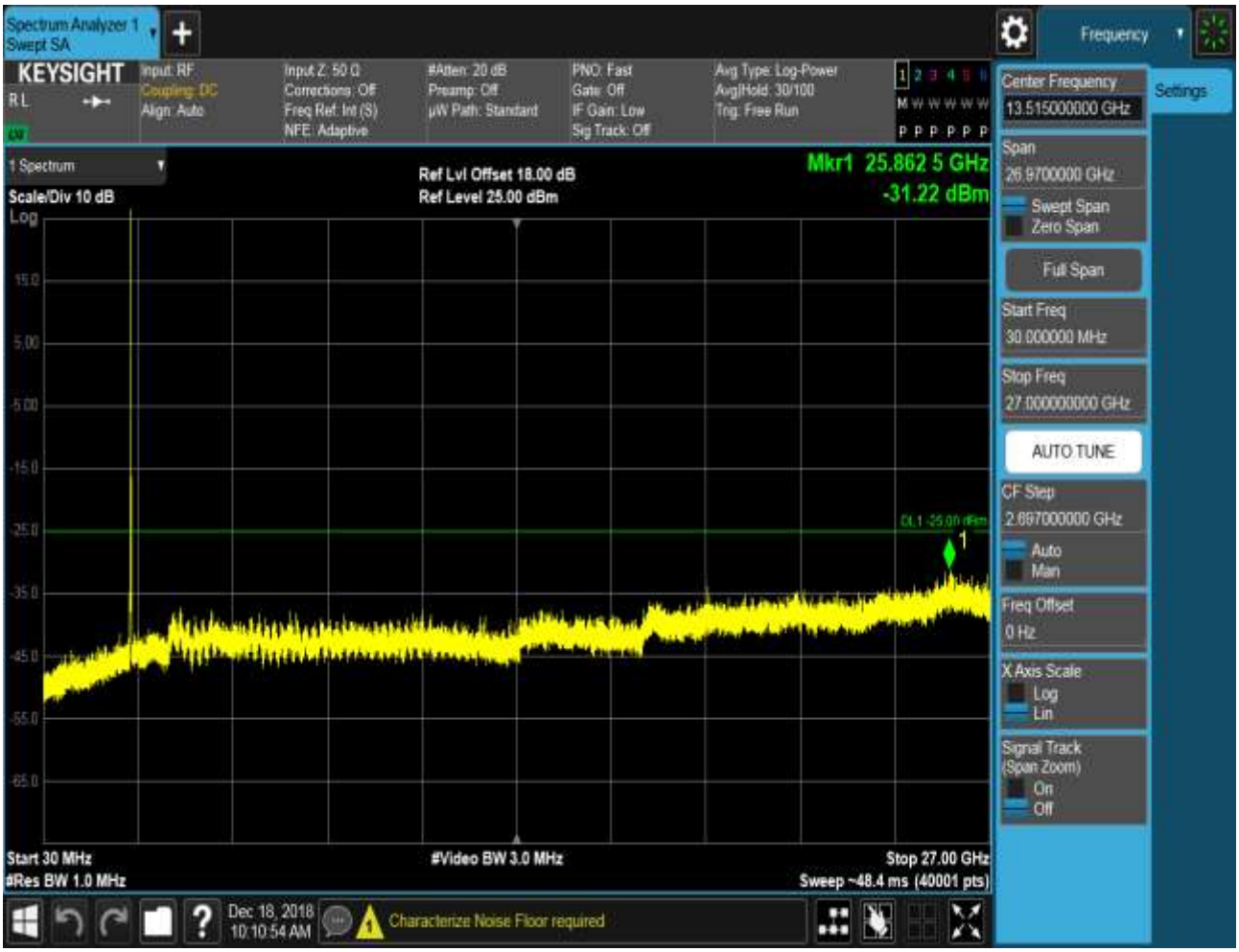
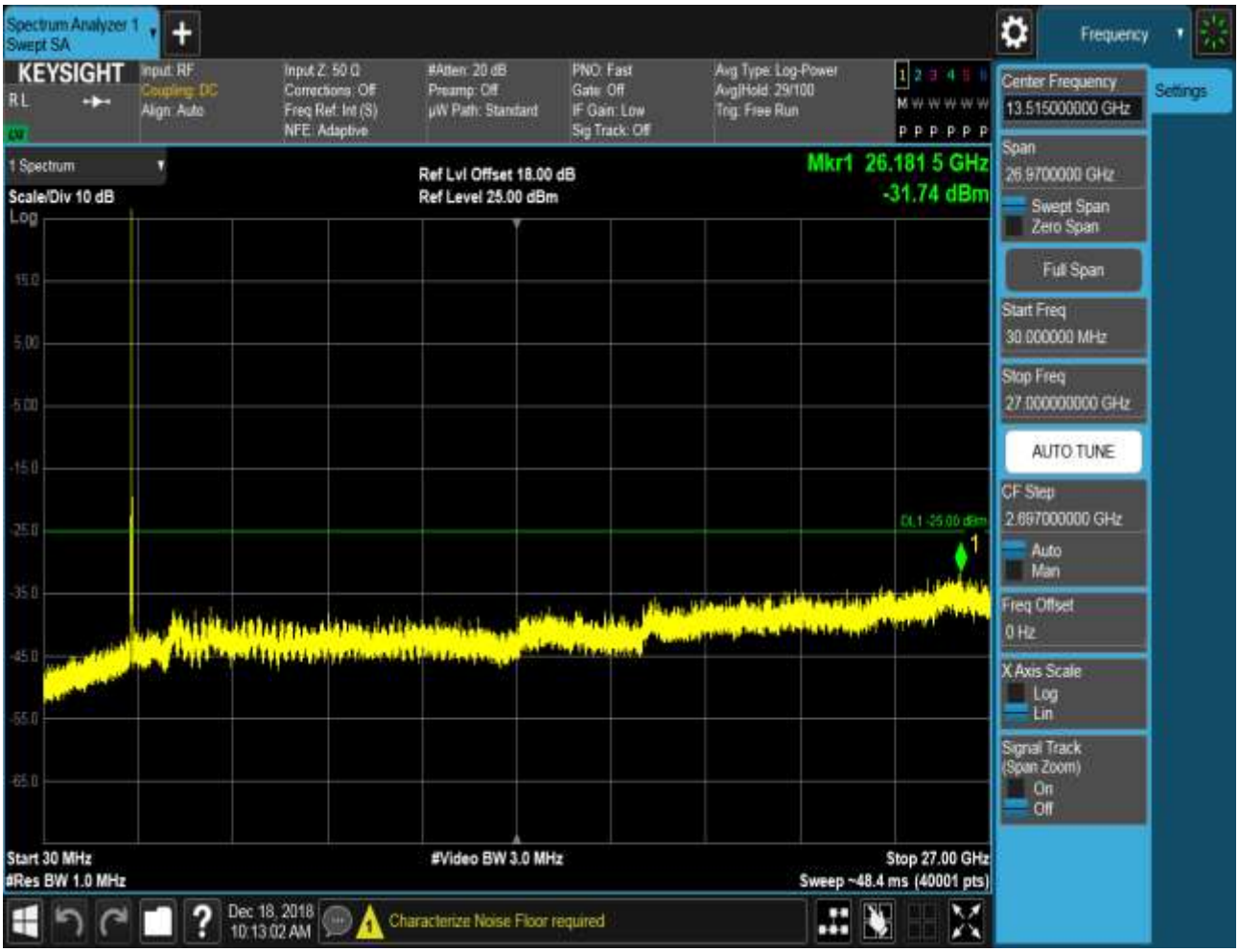
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 800.73 kHz
-66.77 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:10:42 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 30/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 25.862 5 GHz
-31.22 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:10:54 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 1.063 41 MHz
-67.87 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:12:52 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 29/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 26.181 5 GHz
-31.74 dBm
D1 -25.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:13:02 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 155.97 kHz
-67.64 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:11:46 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off

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6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 5

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0

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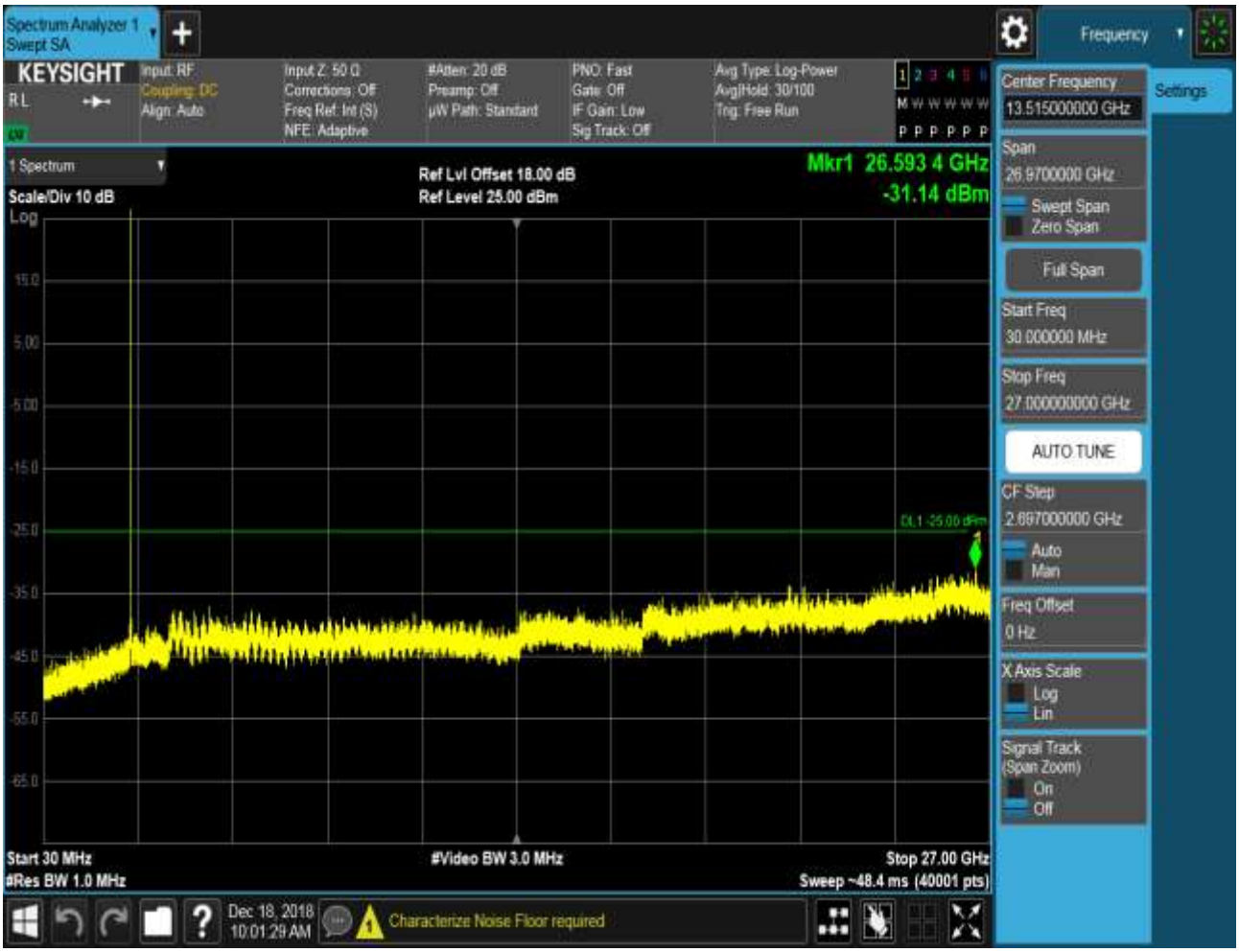
Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 16 dB
Preamp: Off
µW Path: Standard
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 100/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 0.00 dBm
Mkr1 723.12 kHz
-67.19 dBm
Start 150 kHz
#Res BW 10 kHz
#Video BW 30 kHz
Stop 30.00 MHz
Sweep 6.33 ms (5001 pts)
Dec 18, 2018
10:01:19 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
15.075000 MHz
Span
29.8500000 MHz
Swept Span
Zero Span
Full Span
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
AUTO TUNE
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive
#Atten: 20 dB
Preamp: Off
µW Path: Standard
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Log-Power
Avg|Hold: 30/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.00 dB
Ref Level 25.00 dBm
Mkr1 26.593 4 GHz
-31.14 dBm
Start 30 MHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz
Stop 27.00 GHz
Sweep ~48.4 ms (40001 pts)
Dec 18, 2018
10:01:29 AM
Characterize Noise Floor required
Frequency
Settings
Center Frequency
13.515000000 GHz
Span
26.9700000 GHz
Swept Span
Zero Span
Full Span
Start Freq
30.000000 MHz
Stop Freq
27.000000000 GHz
AUTO TUNE
CF Step
2.697000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
On
Off