

CH Freq 1.909 GHz

Trig Free

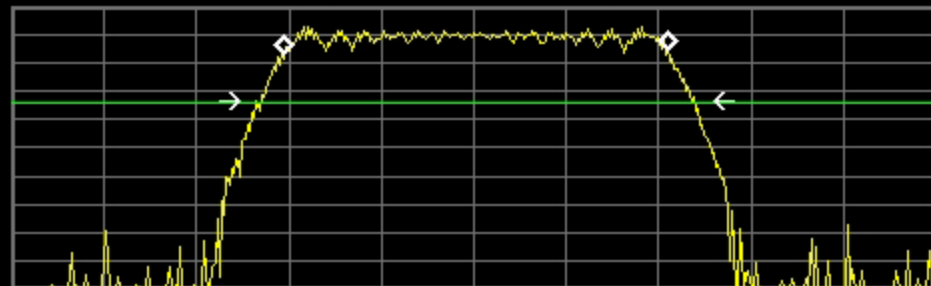
Occupied Bandwidth

Averages: 100

Average 100

FCC ID: JJA-9001000101 Power Out PCS Ch 1175
Ref 125.9 mW #Atten 25 dB Ext PG -12.5 dB

Samp
Log
10
dB/



Center 1.909 GHz Span 3 MHz
#Res BW 30 kHz #VBW 300 kHz Sweep 9.167 ms (401 pts)

Occupied Bandwidth
1.2463 MHz

Occ BW % Pwr 99.00 %

Transmit Freq Error 4.785 kHz
x dB Bandwidth 1.409 MHz*

BW/Avg

Resolution BW
30.0000000 kHz
Auto Mar

Video BW
300.000000 kHz
Auto Mar

VBW/RBW Ratio
1.00000

Average
100
On Off

Average Type
Video Power

EMI Res BW
None

CH Freq 1.909 GHz

Trig Free

Channel Power

Averages: 100

A B C D E F G

H I J K L M N

O P Q R S T U

V W X Y Z

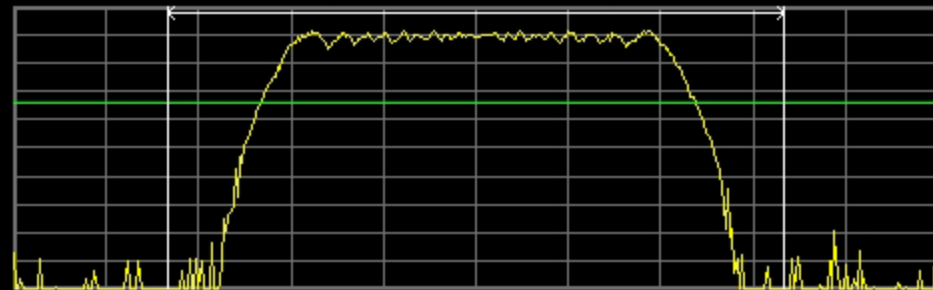
β Δ Σ Ω

Space

More
1 of 3

FCC ID: JJA-9001000101 Power Out PCS Ch 1175
Ref 125.9 mW #Atten 25 dB Ext PG -12.5 dB

Samp
Log
10
dB/



Center 1.909 GHz Span 3 MHz
#Res BW 30 kHz #VBW 300 kHz Sweep 9.167 ms (401 pts)

Channel Power

Power Spectral Density

902.5 mW /2.0000 MHz

451.2 nW/Hz

CH Freq 1.851 GHz

Trig Free

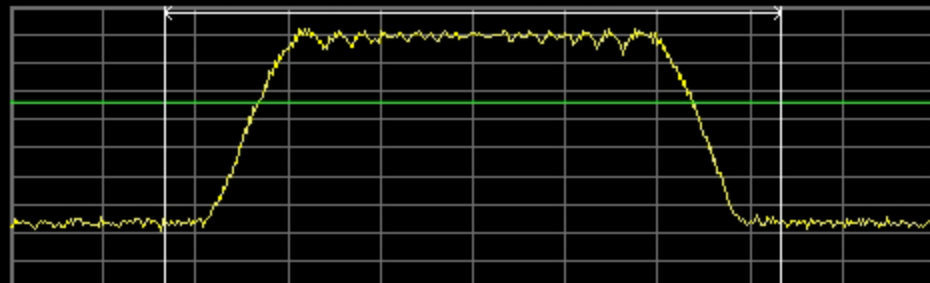
Channel Power

Averages: 100

Ref Level 125.9 mW

FCC ID: JJA-9001000101 Power Out PCS Ch 0025
Ref 125.9 mW #Atten 25 dB Ext PG -12.5 dB

Samp
Log
10
dB/



Center 1.851 GHz

Span 3 MHz

#Res BW 30 kHz

#VBW 300 kHz

Sweep 9.167 ms (401 pts)

Channel Power

Power Spectral Density

916.9 mW /2.0000 MHz

458.4 nW/Hz

Amplitude

Y Axis Units
Watts

Ref Lvl Offst
0.00 dB

Int Preamp
On Off

Corrections

Ext Amp Gain
-12.50 dB

Max Mixer Lvl
100.0 μ W

More
2 of 3

Measure

CH Freq 1.978 GHz

Trig Free

Harmonic Distortion

Meas Off

Channel Power

Occupied BW

ACP

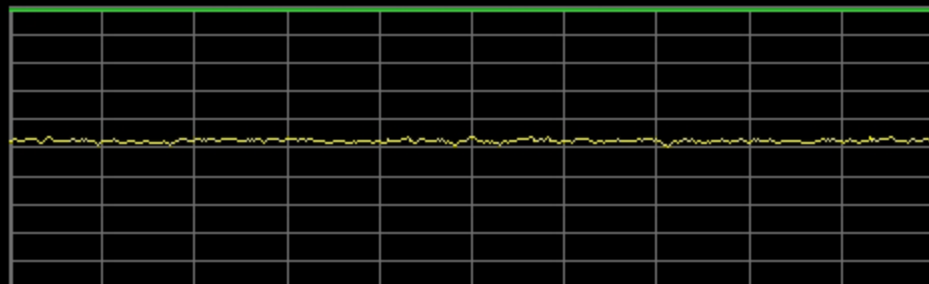
Power Stat
CCDF

Harmonic
Distortion

Burst
Power

FCC ID: JJA-9001000101 Adj. Ch. Po. Ch. 1175
Ref -11.43 dBm #Atten 20 dB Ext PG -12.25 dB

Samp
Log
10
dB/



Center 19.78 GHz Span 0 Hz
#Res BW 300 kHz #VBW 3 kHz #Sweep 10 ms (401 pts)

Total Harmonic
Distortion

0.05 %

Through Harmonic * 10

		Frequency	Amplitude
3		5.933 GHz	-82.41 dBc
4		7.911 GHz	-75.93 dBc
5		9.889 GHz	-76.94 dBc
6		11.87 GHz	-76.70 dBc
7		13.84 GHz	-72.55 dBc
8		15.82 GHz	-73.75 dBc
9		17.80 GHz	-73.72 dBc
10		19.78 GHz	-73.65 dBc

FFC ID: JJA-9001000101 Cond. Spurs Ch. 1175
 Ref 25 dBm Atten 15 dB Ext PG -40 dB



Start 10 MHz Stop 2.5 GHz
 #Res BW 1 MHz VBW 1 MHz Sweep 6.225 ms (401 pts)

Display

Full Screen

Display Line

-13.00 dBm

On

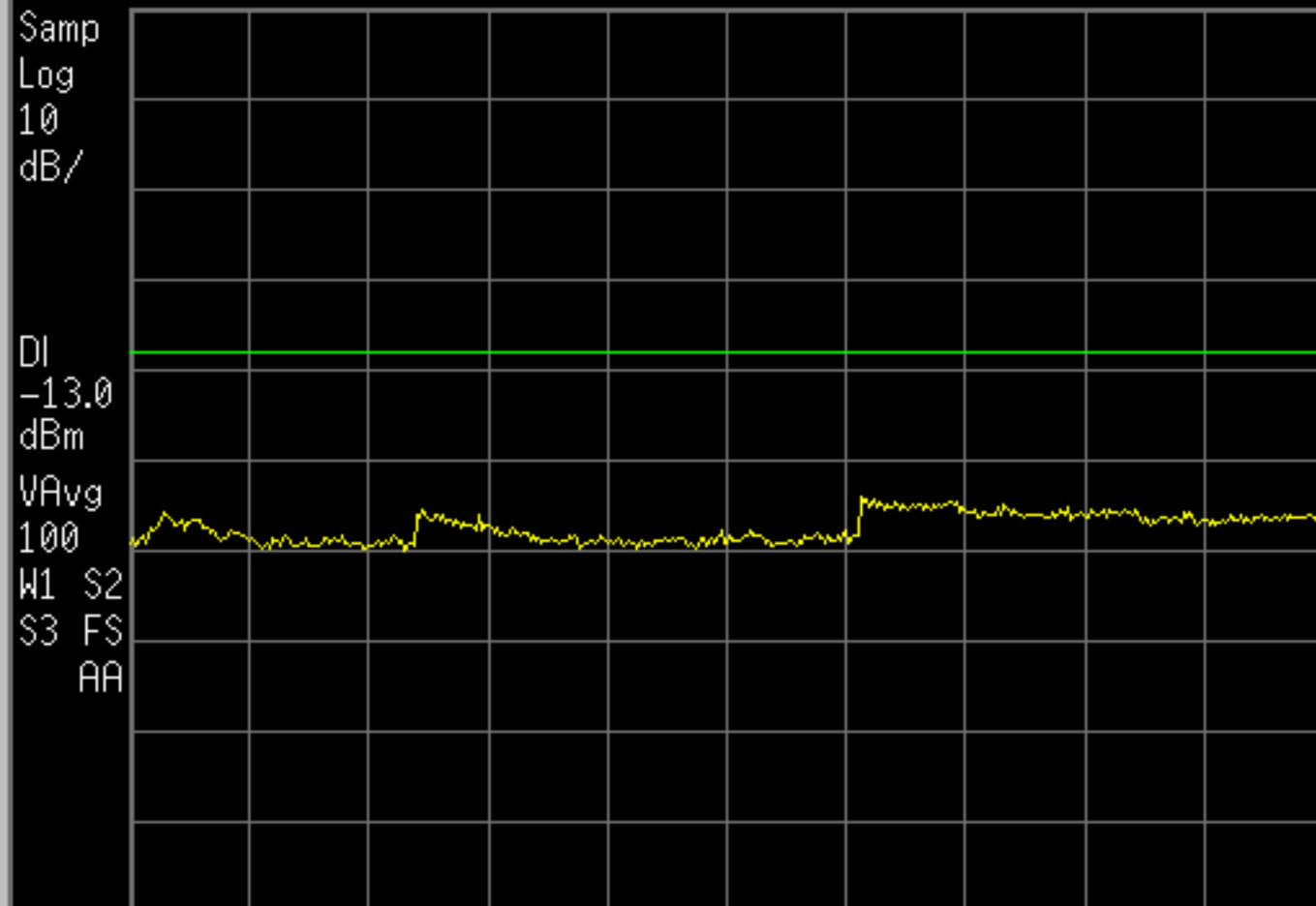
Off

Limits

Title

Preferences

FFC ID: JJA-9001000101 Cond. Spurs Ch. 1175
 Ref 25 dBm #Atten 15 dB Ext PG -40 dB



Start 2.5 GHz Stop 20 GHz
 #Res BW 1 MHz VBW 1 MHz Sweep 175 ms (401 pts)

Marker

Select Marker

1 2 3 4

Normal

Delta

Band Pair

Start Stop

Span Pair

Span Center

Off

More

1 of 2

CH Freq 1.88 GHz

Trig Free

Occupied Bandwidth

Averages: 100

Display Line 50.12 μ W

FCC ID: JJA-9001000101 Occ Band PCS Ch 0600

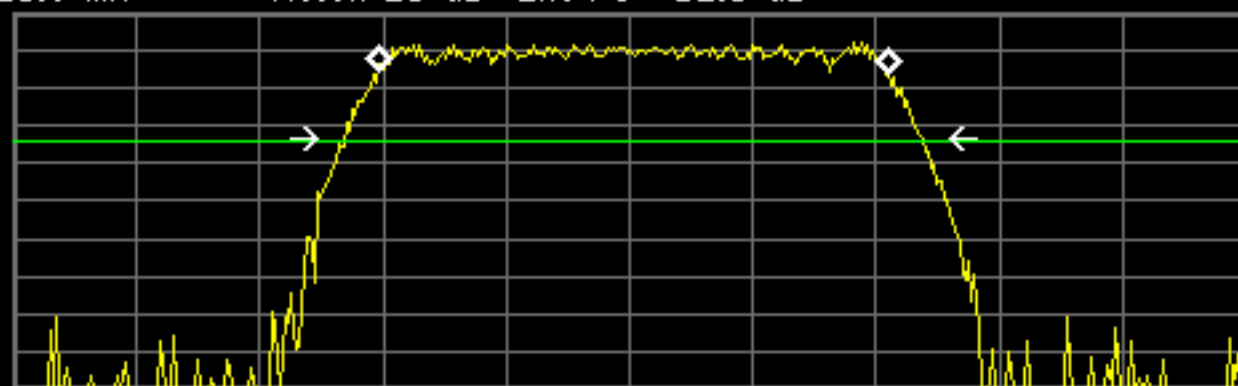
Ref 125.9 mW #Atten 25 dB Ext PG -12.5 dB

Samp

Log

10

dB/



Center 1.88 GHz

Span 3 MHz

#Res BW 30 kHz

#VBW 300 kHz

Sweep 9.167 ms (401 pts)

Occupied Bandwidth
1.2485 MHz

Occ BW % Pwr

99.00 %

Transmit Freq Error 5.461 kHz

x dB Bandwidth 1.402 MHz*

Display

Full Screen

Display Line

50.12 μ W

On

Off

Limits

Title

Preferences

CH Freq 1.909 GHz

Trig Free

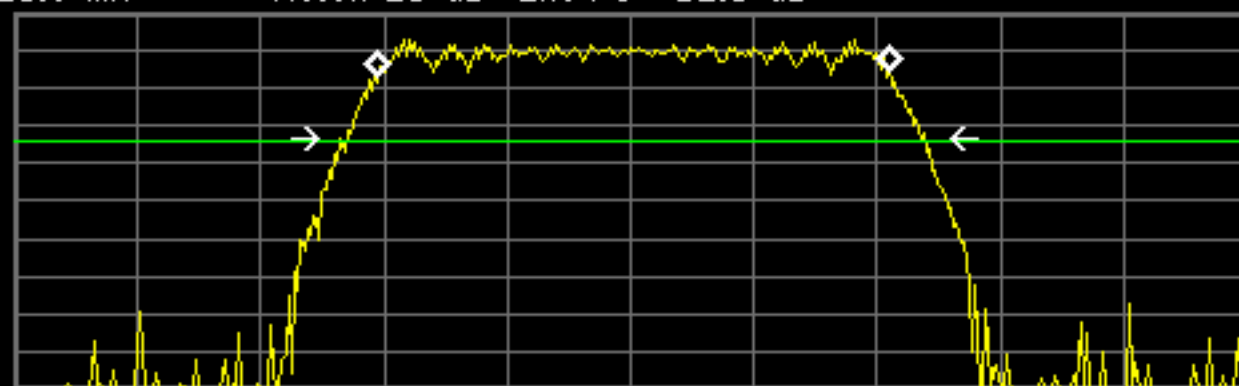
Occupied Bandwidth

Averages: 100

Average 100

FCC ID: JJA-9001000101 Power Out PCS Ch 1175
Ref 125.9 mW #Atten 25 dB Ext PG -12.5 dB

Samp
Log
10
dB/



Center 1.909 GHz Span 3 MHz
#Res BW 30 kHz #VBW 300 kHz Sweep 9.167 ms (401 pts)

Occupied Bandwidth
1.2463 MHz

Occ BW % Pwr 99.00 %

Transmit Freq Error 4.785 kHz
x dB Bandwidth 1.409 MHz*

BW/Avg

Resolution BW
30.0000000 kHz
Auto Man

Video BW
300.0000000 kHz
Auto Man

VBW/RBW Ratio
1.00000

Average
100
On Off

Average Type
Video Power

EMI Res BW
None

CH Freq 1.909 GHz

Trig Free

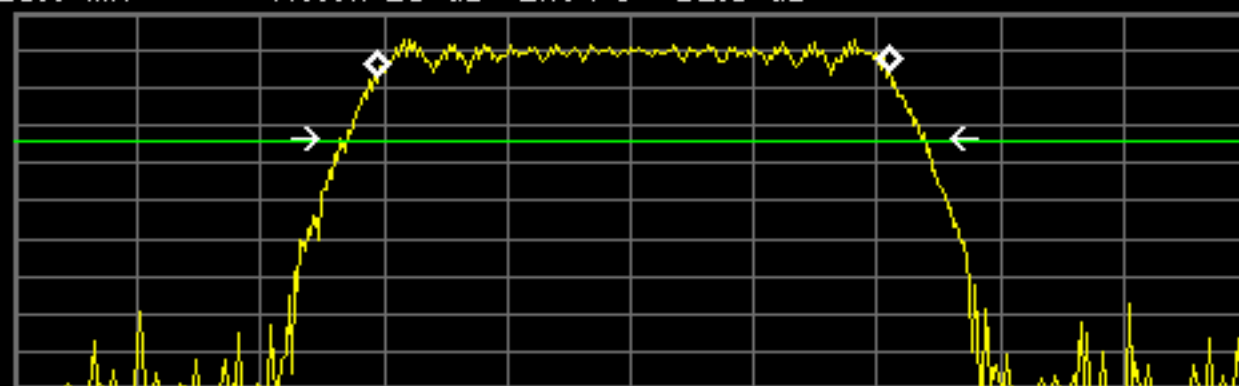
Occupied Bandwidth

Averages: 100

Average 100

FCC ID: JJA-9001000101 Power Out PCS Ch 1175
Ref 125.9 mW #Atten 25 dB Ext PG -12.5 dB

Samp
Log
10
dB/



Center 1.909 GHz Span 3 MHz
#Res BW 30 kHz #VBW 300 kHz Sweep 9.167 ms (401 pts)

Occupied Bandwidth
1.2463 MHz

Occ BW % Pwr 99.00 %

Transmit Freq Error 4.785 kHz
x dB Bandwidth 1.409 MHz*

BW/Avg

Resolution BW
30.0000000 kHz
Auto Man

Video BW
300.0000000 kHz
Auto Man

VBW/RBW Ratio
1.00000

Average
100
On Off

Average Type
Video Power

EMI Res BW
None

CH Freq 1.909 GHz

Trig Free

Harmonic Distortion

a b c d e f g

h i j k l m n

o p q r s t u

v w x y z

π ρ τ μ

Space

More
2 of 3

FCC ID: JJA-9001000101 Harmonics PCS Ch 1175

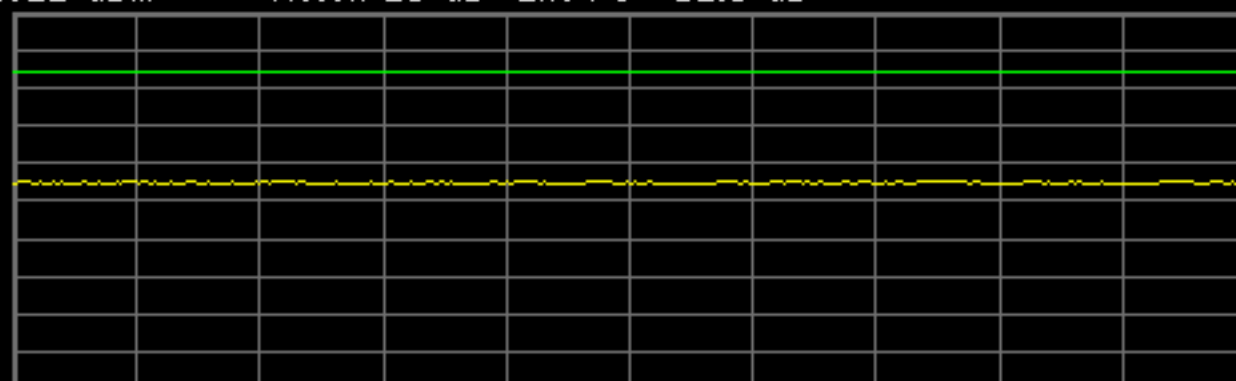
Ref 2.922 dBm #Atten 25 dB Ext PG -12.5 dB

Samp

Log

10

dB/



Center 19.09 GHz

Span 0 Hz

#Res BW 5 MHz

#VBW 3 kHz

#Sweep 10 ms (401 pts)

Total Harmonic
Distortion

0.34 %*

Through Harmonic # 10

		Frequency	Amplitude
3		5.727 GHz	-70.17 dBc
4		7.636 GHz	-66.62 dBc
5		9.545 GHz	-67.86 dBc
6		11.45 GHz	-67.79 dBc*
7		13.36 GHz	-63.96 dBc*
8		15.27 GHz	-64.91 dBc*
9		17.18 GHz	-65.16 dBc*
10		19.09 GHz	-65.69 dBc*

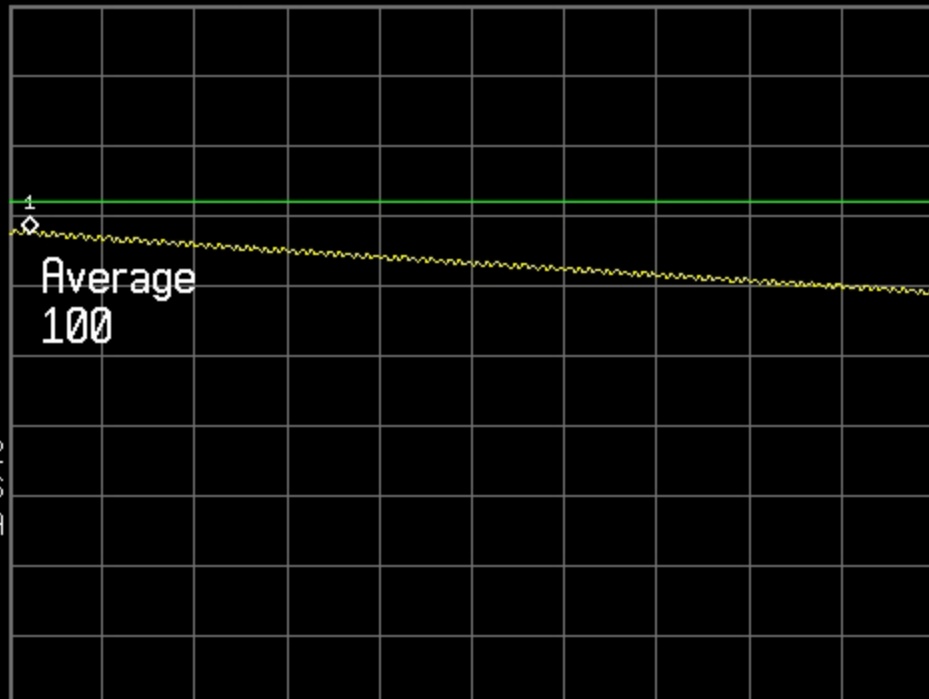
FCC ID: JJA-9001000101 Band Edge PCS Ch 1175 Mkr1 1.912523 GHz
Ref 15 dBm Atten 15 dB Ext PG -12.5 dB -17.67 dBm

Samp
Log
10
dB/

DI
-13.0
dBm

VAvg
100

W1 S2
S3 FS
AA



BW/Avg

Resolution BW

1.00000000 MHz
Auto Man

Video BW

1.00000000 MHz
Auto Man

VBW/RBW Ratio

1.00000

Average

100
On Off

Average Type

Video Power

EMI Res BW

None

Center 1.913 GHz

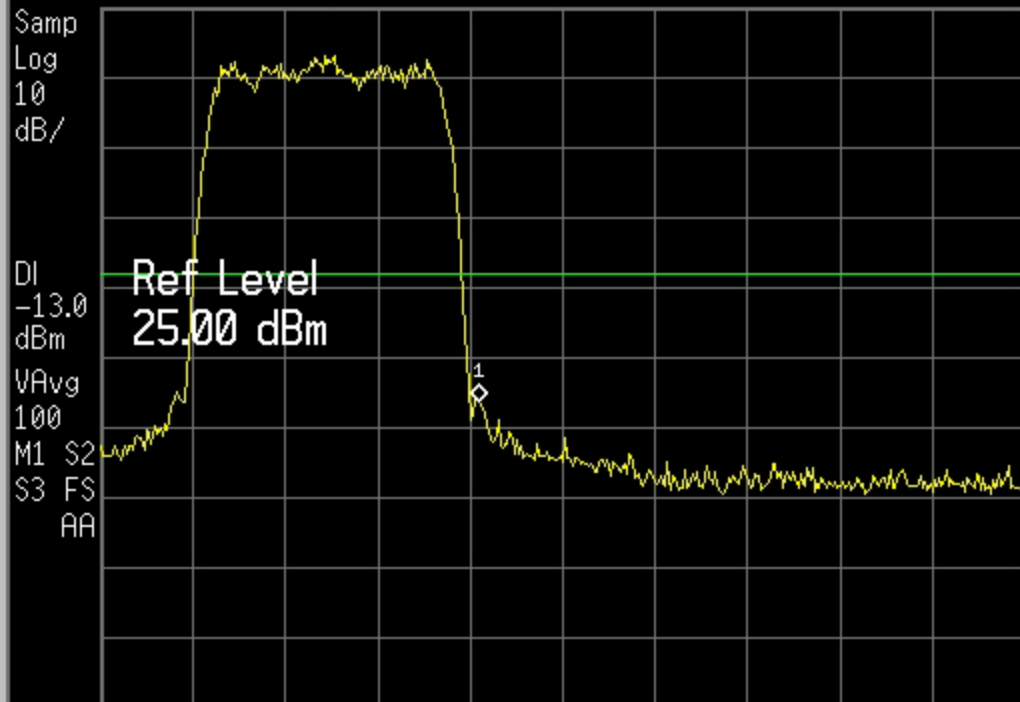
Span 1 MHz

#Res BW 1 MHz

VBW 1 MHz

Sweep 5 ms (401 pts)

FCC ID: JJA-9001000101 Band Edge PCS Ch 1175 Mkr1 1.97833 GHz
 Ref 25 dBm #Atten 40 dB Ext PG -2.85 dB -31.42 dBm



Center 1.979 GHz Span 5 MHz
 #Res BW 30 kHz VBW 30 kHz Sweep 13.89 ms (401 pts)

Amplitude

Ref Level
25.00 dBm

Attenuation
40.00 dB

Auto Man

Scale/Div
10.00 dB

Scale Type
Log Lin

Presel Center

Presel Adjust
0.00000000 Hz

More
1 of 3

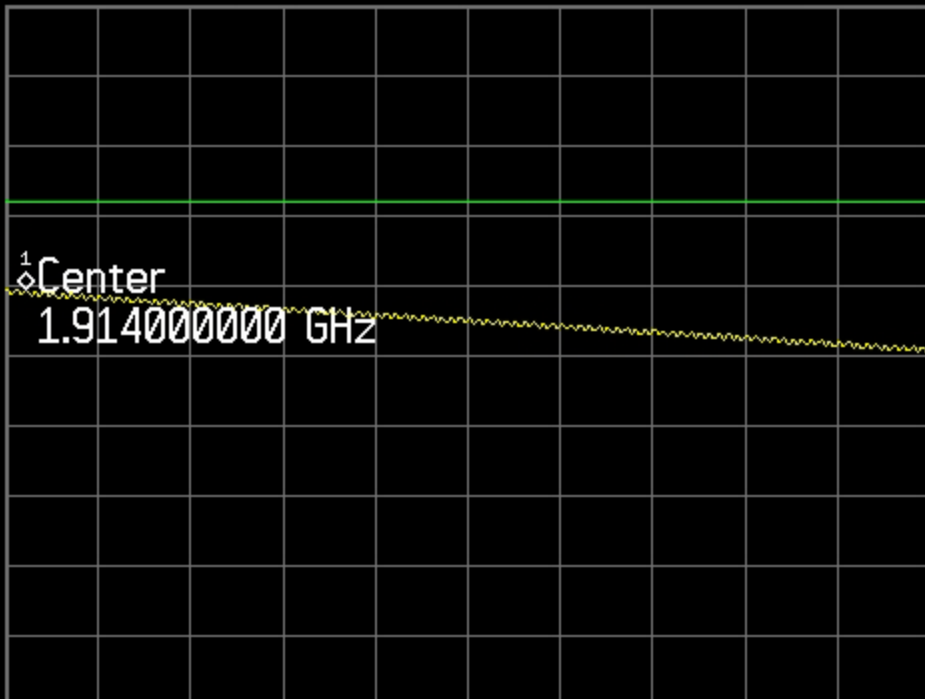
FCC ID: JJA-9001000101 Band Edge PCS Ch 1175 Mkr1 1.913523 GHz
Ref 15 dBm Atten 15 dB Ext PG -12.5 dB -25.7 dBm

Samp
Log
10
dB/

DI
-13.0
dBm

VAvg
100

W1 S2
S3 FS
AA



Freq/Channel

Center Freq

1.91400000 GHz

Start Freq

1.91350000 GHz

Stop Freq

1.91450000 GHz

CF Step

100.000000 kHz

Auto Man

Freq Offset

0.00000000 Hz

Signal Track

On Off

Center 1.914 GHz

Span 1 MHz

#Res BW 1 MHz

VBW 1 MHz

Sweep 5 ms (401 pts)

FCC ID: JJA-9001000101 Band Edge PCS Ch 1175 Mkr1 1.914523 GHz
Ref 15 dBm Atten 15 dB Ext PG -12.5 dB -34.54 dBm

Samp
Log
10
dB/

Marker
DI -13.0 dBm
1.914523000 GHz
-34.54 dBm
VAv
100

W1 S2
S3 FS
AA

Center 1.915 GHz
#Res BW 1 MHz

VBW 1 MHz

Span 1 MHz
Sweep 5 ms (401 pts)

Marker

Select Marker

1 2 3 4

Normal

Delta

Band Pair

Start Stop

Span Pair

Span Center

Off

More

1 of 2

FCC ID: JJA-9001000101 Harmonics PCS Ch 1175
 Ref 316.2 mW #Atten 25 dB Ext PG -12.5 dB

Samp
 Log
 10
 dB/

DI
 199.5
 mW
 VAVg
 100
 W1 S2
 S3 FC
 AA

Display Line
 199.5 mW

Center 1.909 GHz Span 10 MHz
 #Res BW 3 MHz VBW 3 MHz Sweep 5 ms (401 pts)

Display

Full Screen

Display Line

199.5 mW

On

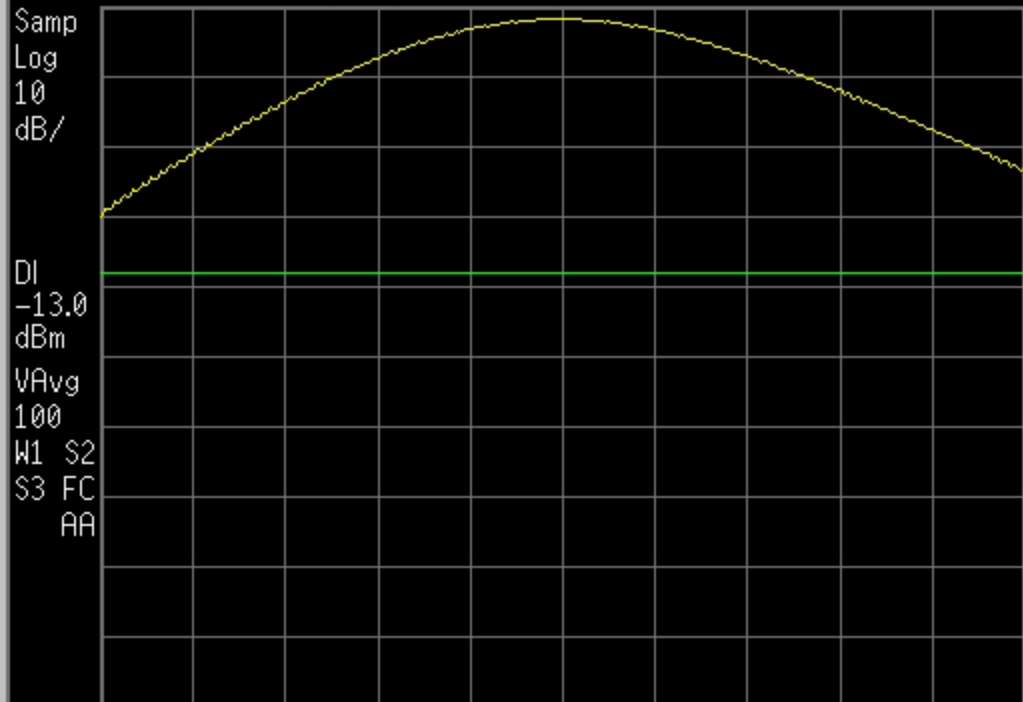
Off

Limits

Title

Preferences

FCC ID: JJA-9001000101 Power Out PCS Ch 0025
 Ref 25 dBm #Atten 25 dB Ext PG -12.5 dB



Center 1.851 GHz Span 10 MHz
 #Res BW 3 MHz VBW 3 MHz Sweep 5 ms (401 pts)

Alpha Editor

A B C D E F G ▶

H I J K L M N ▶

O P Q R S T U ▶

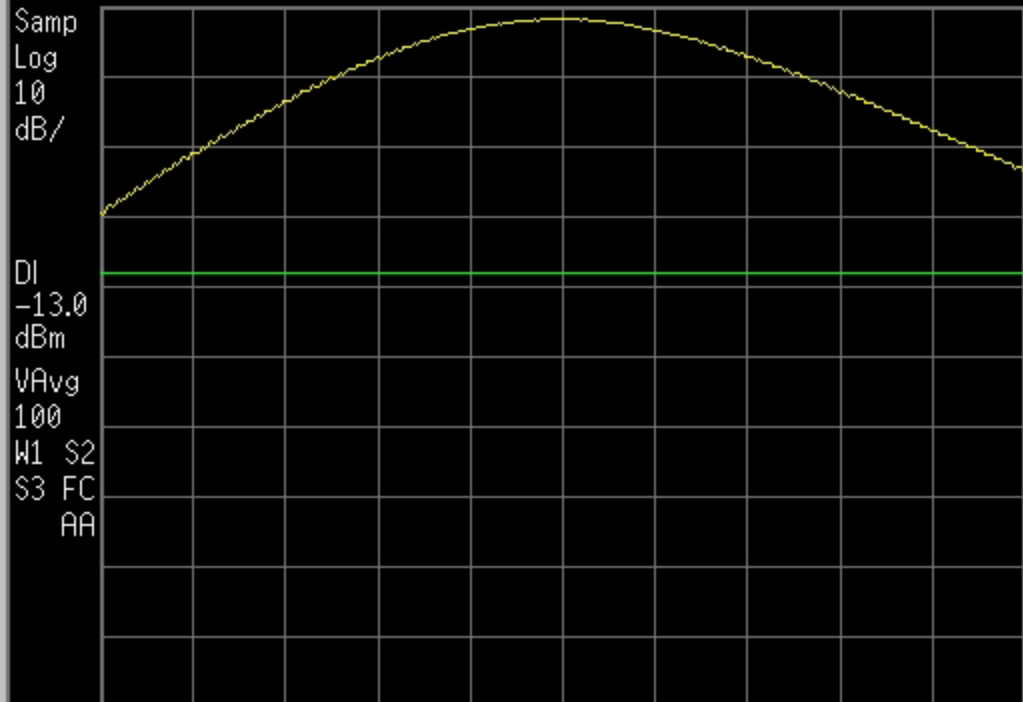
V W X Y Z ▶

β Δ Σ Ω ▶

Space

More
1 of 3

FCC ID: JJA-9001000101 Power Out PCS Ch 0600
 Ref 25 dBm #Atten 25 dB Ext PG -12.5 dB



a b c d e f g

h i j k l m n

o p q r s t u

v w x y z

π ρ τ μ

Space

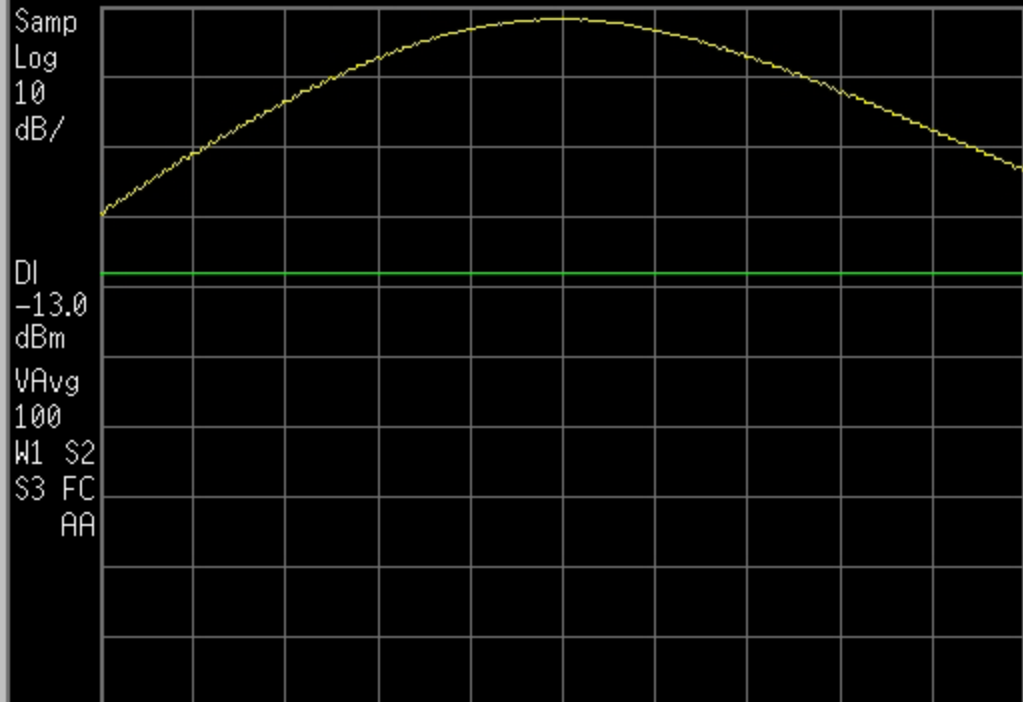
More
2 of 3

Center 1.88 GHz
#Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 5 ms (401 pts)

FCC ID: JJA-9001000101 Power Out PCS Ch 0600
 Ref 25 dBm #Atten 25 dB Ext PG -12.5 dB



a b c d e f g

h i j k l m n

o p q r s t u

v w x y z

π ρ τ μ

Space

More
2 of 3

Center 1.88 GHz
#Res BW 3 MHz

VBW 3 MHz

Span 10 MHz
Sweep 5 ms (401 pts)

CH Freq 1.88 GHz

Trig Free

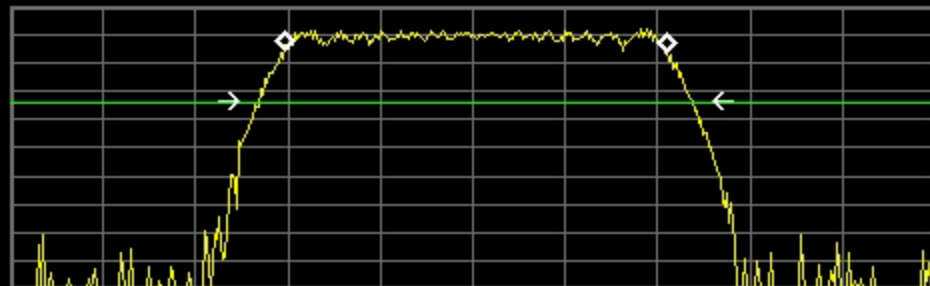
Occupied Bandwidth

Averages: 100

Display Line 50.12 μ W

FCC ID: JJA-9001000101 Occ Band PCS Ch 0600
Ref 125.9 mW #Atten 25 dB Ext PG -12.5 dB

Samp
Log
10
dB/



Center 1.88 GHz Span 3 MHz
#Res BW 30 kHz #VBW 300 kHz Sweep 9.167 ms (401 pts)

Occupied Bandwidth
1.2485 MHz

Occ BW % Pwr 99.00 %

Transmit Freq Error 5.461 kHz
x dB Bandwidth 1.402 MHz*

Display

Full Screen

Display Line

50.12 μ W

On

Off

Limits

Title

Preferences

CH Freq 1.88 GHz

Trig Free

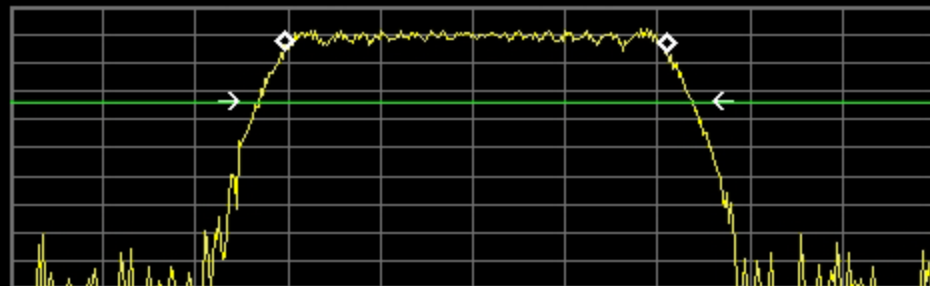
Occupied Bandwidth

Averages: 100

Display Line 50.12 μ W

FCC ID: JJA-9001000101 Occ Band PCS Ch 0600
Ref 125.9 mW #Atten 25 dB Ext PG -12.5 dB

Samp
Log
10
dB/



Center 1.88 GHz Span 3 MHz
#Res BW 30 kHz #VBW 300 kHz Sweep 9.167 ms (401 pts)

Occupied Bandwidth
1.2485 MHz

Occ BW % Pwr 99.00 %

Transmit Freq Error 5.461 kHz
x dB Bandwidth 1.402 MHz*

Display

Full Screen

Display Line

50.12 μ W

On

Off

Limits

Title

Preferences

CH Freq 1.909 GHz

Trig Free

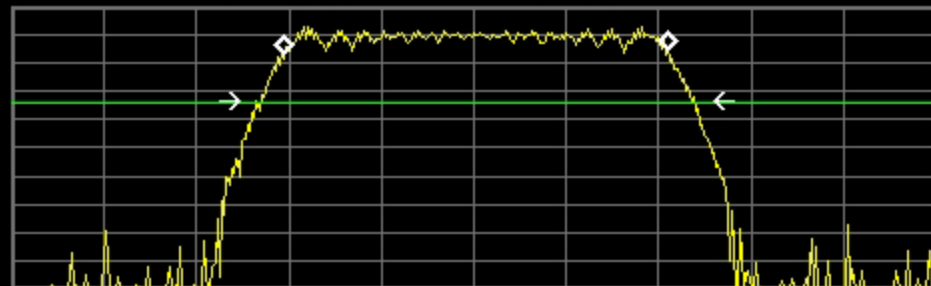
Occupied Bandwidth

Averages: 100

Average 100

FCC ID: JJA-9001000101 Power Out PCS Ch 1175
Ref 125.9 mW #Atten 25 dB Ext PG -12.5 dB

Samp
Log
10
dB/



Center 1.909 GHz Span 3 MHz
#Res BW 30 kHz #VBW 300 kHz Sweep 9.167 ms (401 pts)

Occupied Bandwidth
1.2463 MHz

Occ BW % Pwr 99.00 %

Transmit Freq Error 4.785 kHz
x dB Bandwidth 1.409 MHz*

BW/Avg

Resolution BW
30.0000000 kHz
Auto Mar

Video BW
300.000000 kHz
Auto Mar

VBW/RBW Ratio
1.00000

Average
100
On Off

Average Type
Video Power

EMI Res BW
None

Display

CH Freq 1.909 GHz

Trig Free

Adj Channel Power

Averages: 10

Full Screen

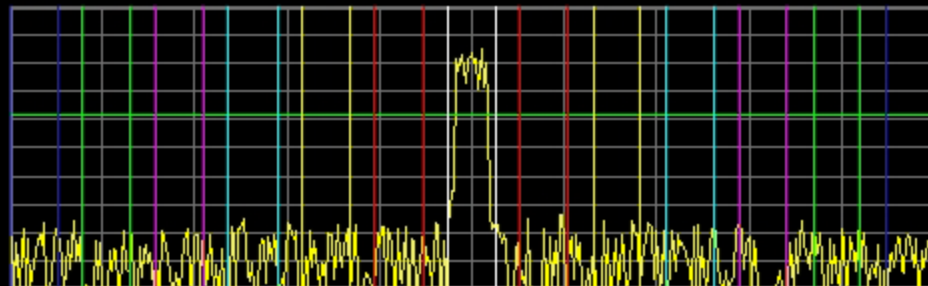
Display Line 50.12 μ W

Display Line

50.12 μ W

On

Off

FCC ID: JJA-9001000101 Adj. Po PCS Ch 1175
Ref 316.2 mW #Atten 25 dB Ext PG -12.5 dBSamp
Log
10
dB/

Limits>

Center 1.909 GHz Span 38 MHz
#Res BW 30 kHz VBW 300 kHz Sweep 91.79 ms (401 pts)

RMS Results

	Offset Freq	Ref BW	dBc	Lower	dBm	dBc	Upper	dBm
Carrier Power	3.000 MHz	2.000 MHz	-62.20	-39.22	-62.10	-39.12		
198.6 mW /	6.000 MHz	2.000 MHz	-63.49	-40.51	-63.97	-40.99		
2.00000 MHz	9.000 MHz	2.000 MHz	-64.45	-41.47	-63.83	-40.85		
	12.00 MHz	2.000 MHz	-64.34	-41.36	-64.99	-42.01		
	15.00 MHz	2.000 MHz	-64.50	-41.52	-64.20	-41.22		
	18.00 MHz	2.000 MHz	-64.49	-41.51	-65.10	-42.12		

Title>

Preferences>