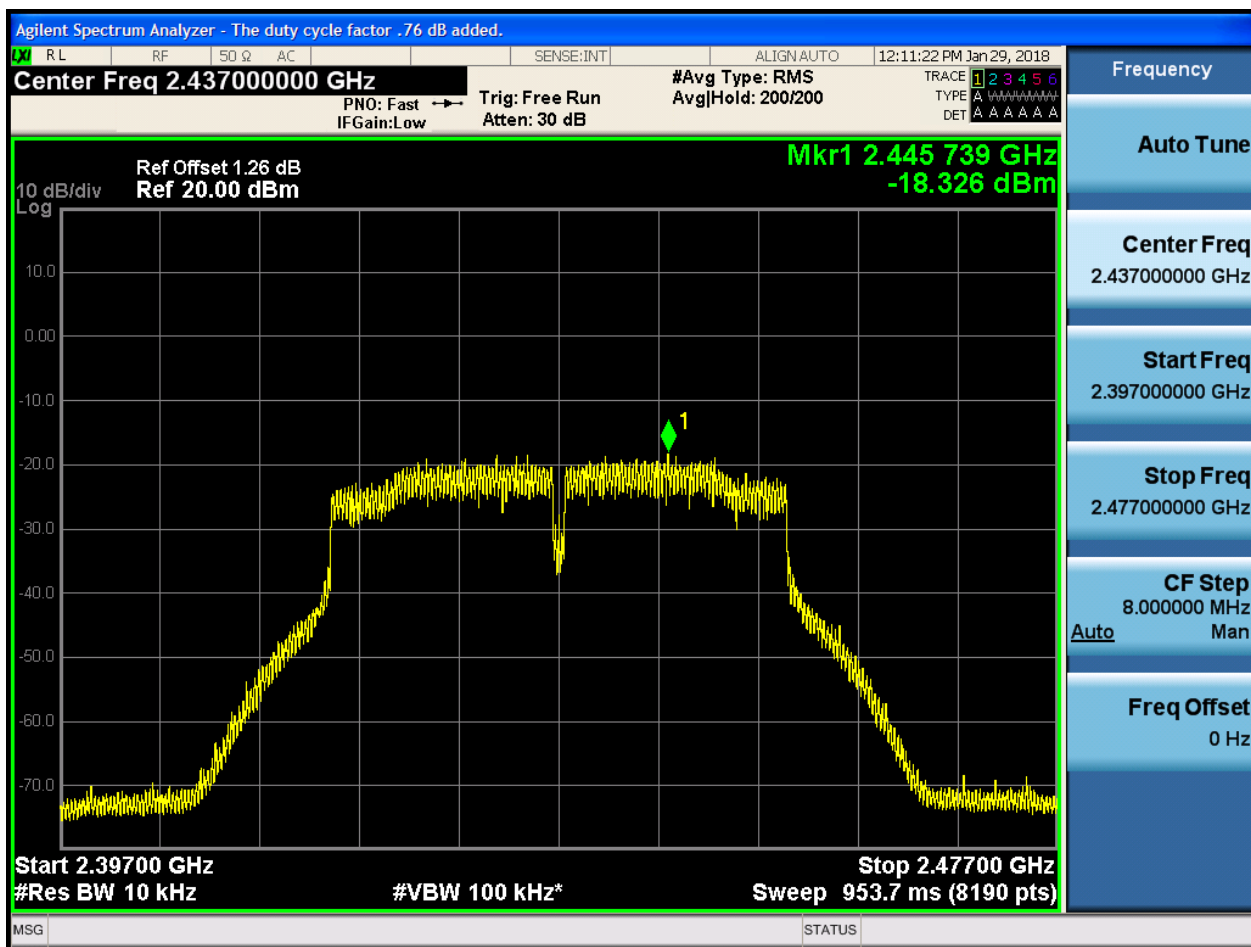


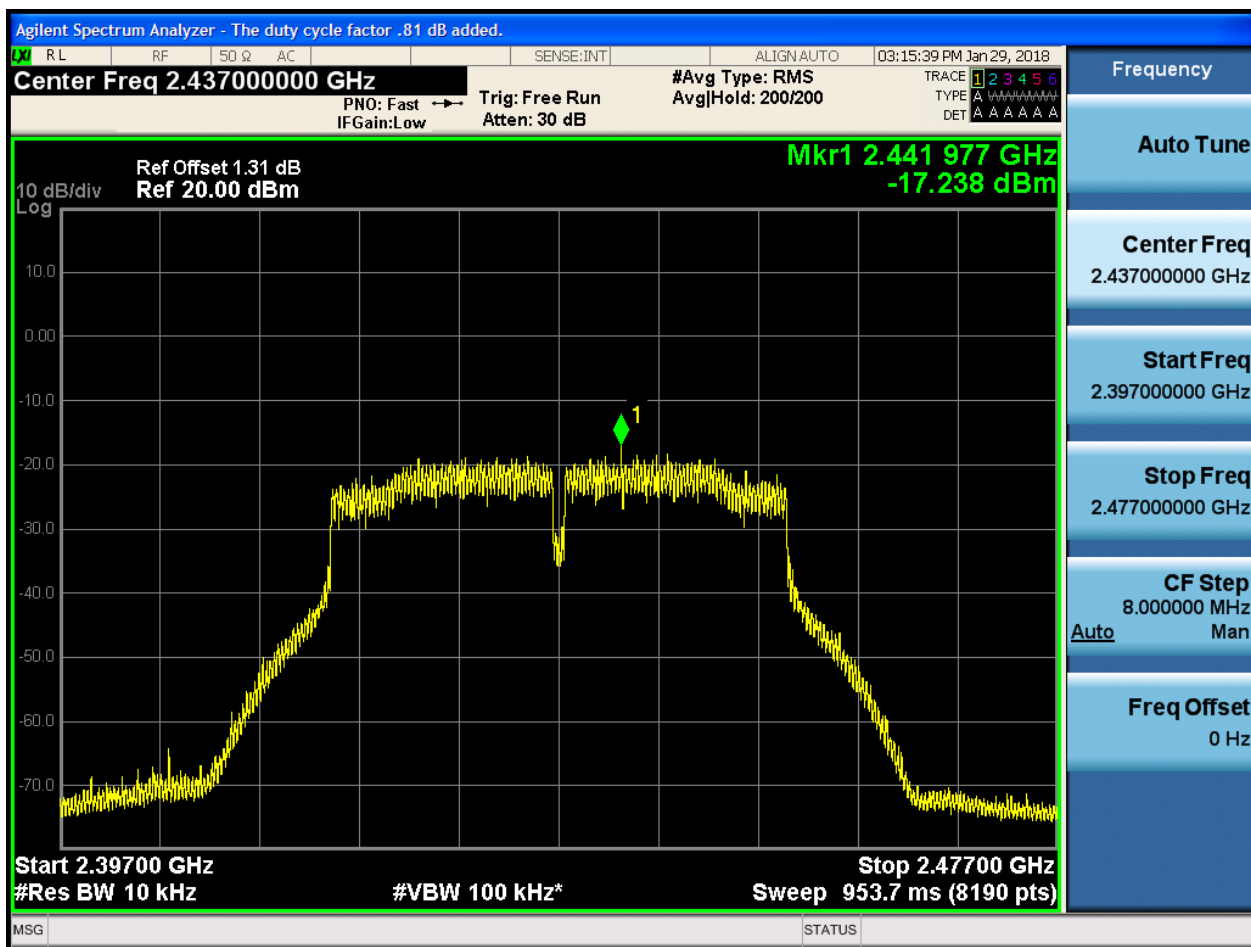


2.41 11N40m_M@Ant 1



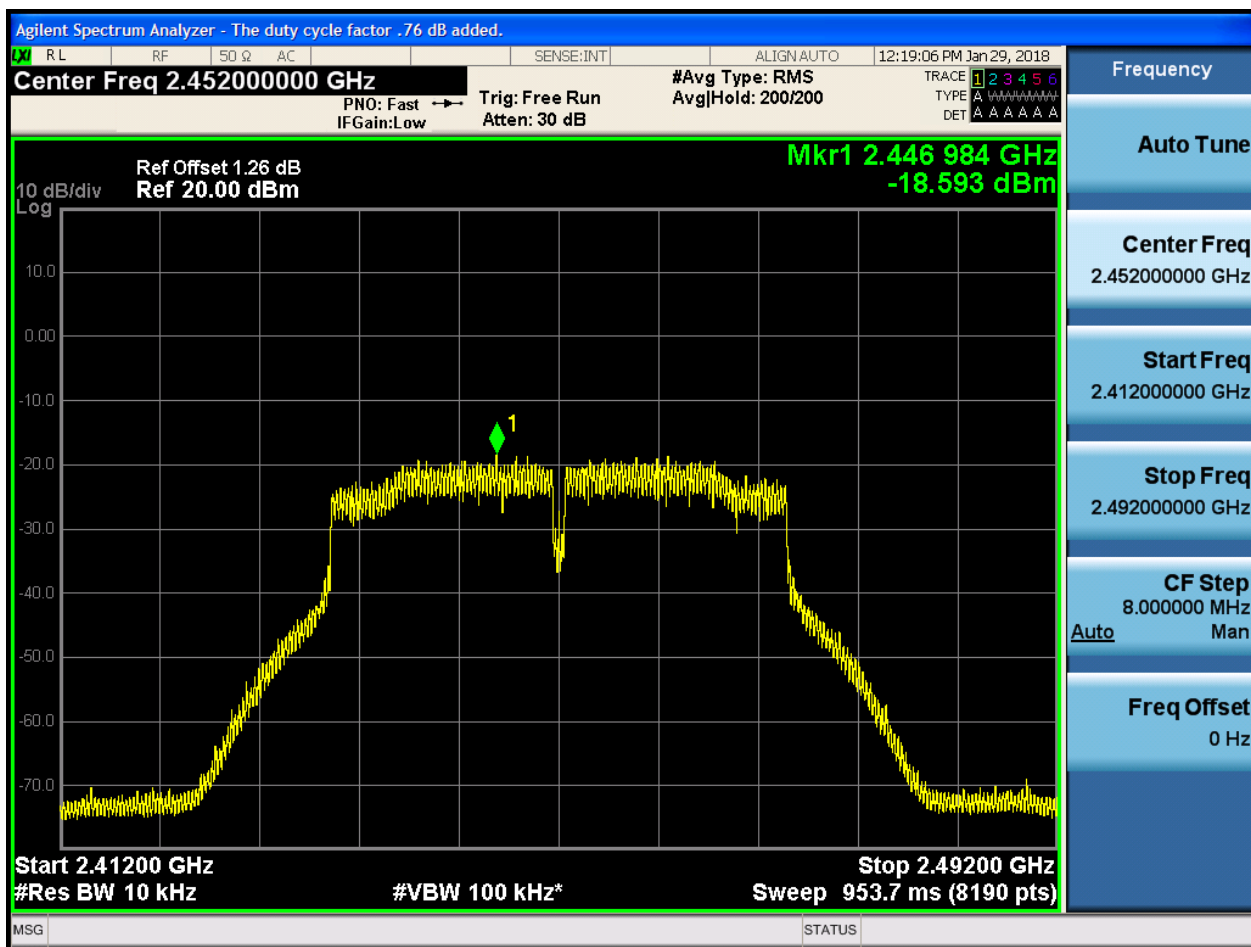


2.42 11N40m_M@Ant 2



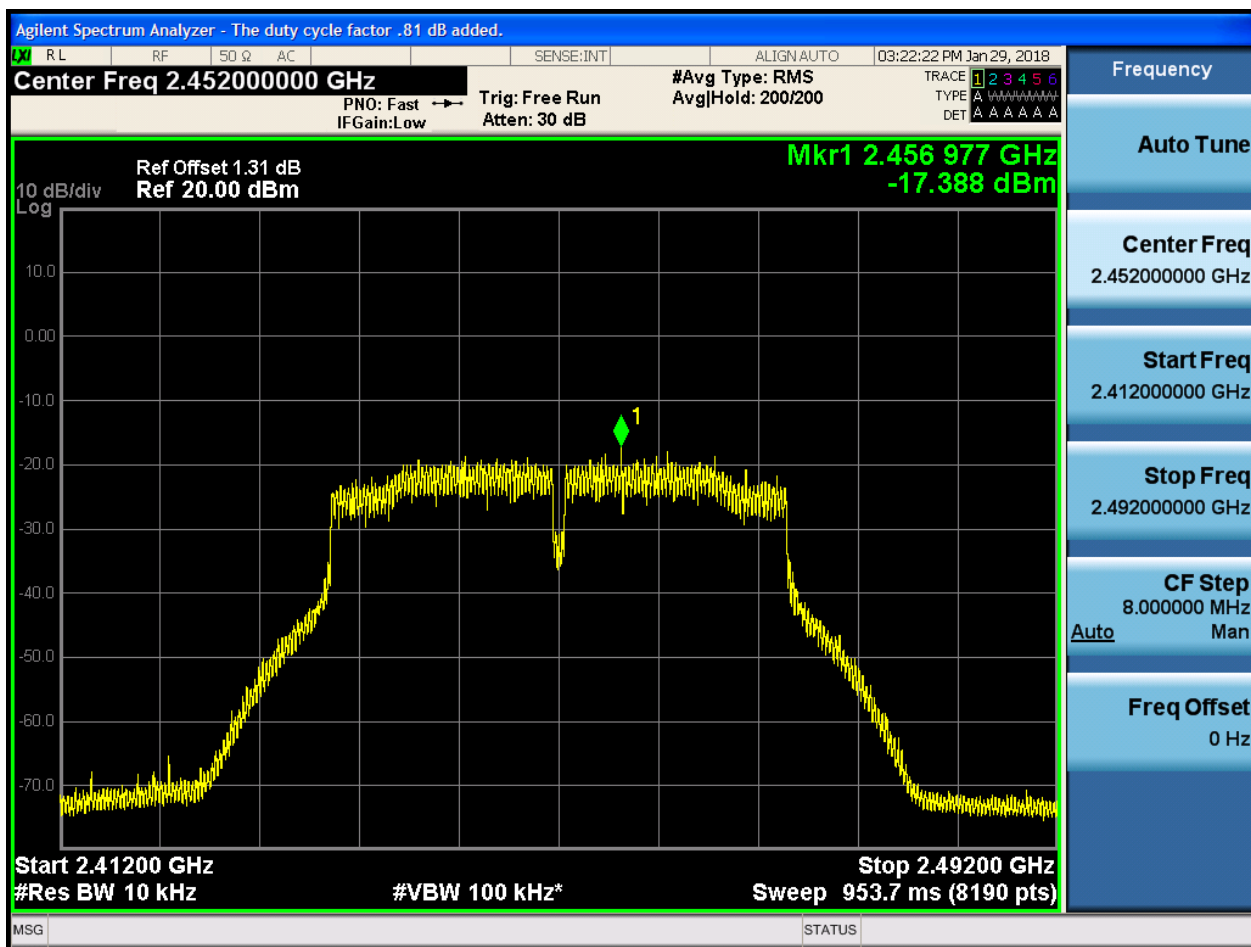


2.43 11N40m_H@Ant 1





2.44 11N40m_H@Ant 2



Appendix G: Band Edges Compliance

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Carrier Power[dBm]	Max.Spurious Level[dBm]	Verdict
11B	L	2412	Ant 1	7.39	-43.21	pass
11B	L	2412	Ant 2	7.88	-41.54	pass
11B	H	2452	Ant 1	7.56	-52.06	pass
11B	H	2452	Ant 2	7.90	-47.60	pass
11B	H	2462	Ant 1	5.45	-48.92	pass
11B	H	2462	Ant 2	6.01	-45.77	pass
11G	L	2412	Ant 1	6.79	-24.56	pass
11G	L	2412	Ant 2	7.21	-23.13	pass
11G	H	2452	Ant 1	6.84	-47.14	pass
11G	H	2452	Ant 2	7.17	-42.40	pass
11G	H	2462	Ant 1	4.70	-46.05	pass
11G	H	2462	Ant 2	5.14	-46.02	pass
11N20	L	2412	Ant 1	6.73	-23.56	pass
11N20	L	2412	Ant 2	7.14	-25.27	pass
11N20	H	2452	Ant 1	6.85	-46.28	pass
11N20	H	2452	Ant 2	7.22	-41.36	pass
11N20	H	2462	Ant 1	4.67	-45.83	pass
11N20	H	2462	Ant 2	5.14	-44.71	pass
11N20m	L	2412	Ant 1	4.29	-25.54	pass
11N20m	L	2412	Ant 2	4.86	-26.27	pass
11N20m	H	2452	Ant 1	4.68	-48.65	pass
11N20m	H	2452	Ant 2	3.9	-48.42	pass
11N20m	H	2462	Ant 1	2.22	-47.77	pass
11N20m	H	2462	Ant 2	2.7	-47.43	pass
11N40	L	2422	Ant 1	1.67	-28.63	pass
11N40	L	2422	Ant 2	2.13	-26.65	pass
11N40	H	2452	Ant 1	2.35	-46.74	pass
11N40	H	2452	Ant 2	2.45	-45.64	pass
11N40m	L	2422	Ant 1	-1.15	-30.69	pass
11N40m	L	2422	Ant 2	-0.97	-31.13	pass
11N40m	H	2452	Ant 1	-0.53	-49.38	pass
11N40m	H	2452	Ant 2	-0.29	-48.69	pass



Part II - Test Plots

2.1 11B_L@Ant 1





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 01:20:46 PM Jan 29, 2018

Center Freq 2.40000000 GHz Avg Type: Log-Pwr Trg: Free Run
 PNO: Fast IFGain:Low Atten: 40 dB AvgHold: 10/10
 TRACE 1 2 3 4 5 6
 TYPE M
 DET P P P P P

Ref Offset 0.5 dB
 Ref 30.00 dBm

Mkr2 2.400 00 GHz
-41.543 dBm

10 dB/div
 Log

Start 2.38000 GHz Stop 2.42000 GHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 100.0 ms (601 pts)

MRK	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 00 GHz	7.885 dBm			
2	N	1	f	2.400 00 GHz	-41.543 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
2.40000000 GHz

Start Freq
2.38000000 GHz

Stop Freq
2.42000000 GHz

CF Step
4.000000 MHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 2.473500000 GHz

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.483 50 GHz
-52.061 dBm

Start 2.45350 GHz
#Res BW 100 kHz

Stop 2.49350 GHz
#Sweep 100.0 ms (601 pts)

#VBW 300 kHz

Trig: Free Run
Atten: 40 dB

Avg Type: Log-Pwr
Avg/Hold: 100/100

Frequency

Auto Tune

Center Freq
2.473500000 GHz

Start Freq
2.453500000 GHz

Stop Freq
2.493500000 GHz

CF Step
4.000000 MHz
Man

Auto

Freq Offset
0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.453 97 GHz	7.558 dBm			
2	N	1	f	2.483 50 GHz	-52.061 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS



2.4 11B_H_2452@Ant 2

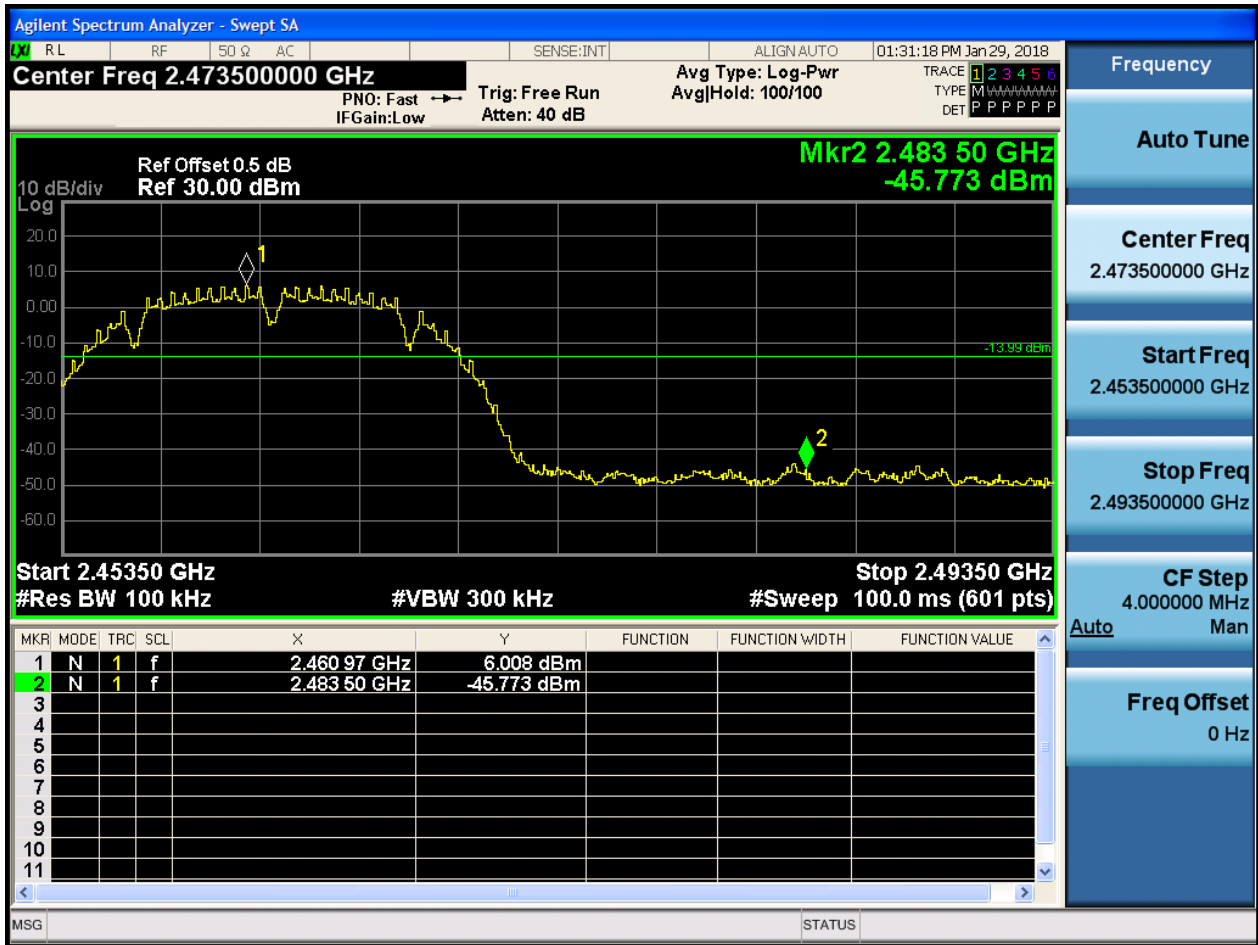




2.5 11B_H_2462@Ant 1



2.6 11B_H_2462@Ant 2





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.40000000 GHz

PNO: Fast → Trig: Free Run
IFGain: Low Atten: 40 dB

Avg Type: Log-Pwr
Avg/Hold: 10/10

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P P P P P P

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.400 00 GHz
-24.564 dBm

Start 2.38000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.42000 GHz #Sweep 100.0 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 47 GHz	-6.793 dBm			
2	N	1	f	2.400 00 GHz	-24.564 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune Center Freq 2.40000000 GHz Start Freq 2.380000000 GHz Stop Freq 2.420000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 2.40000000 GHz

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.400 00 GHz
-23.131 dBm

Start 2.38000 GHz
#Res BW 100 kHz

Stop 2.42000 GHz
#Sweep 100.0 ms (601 pts)

#VBW 300 kHz

Frequency

Auto Tune

Center Freq
2.40000000 GHz

Start Freq
2.380000000 GHz

Stop Freq
2.420000000 GHz

CF Step
4.000000 MHz
Man

Freq Offset
0 Hz

10 dB/div
Log

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.400 00 GHz
-23.131 dBm

Start 2.38000 GHz
#Res BW 100 kHz

Stop 2.42000 GHz
#Sweep 100.0 ms (601 pts)

#VBW 300 kHz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 47 GHz	7.209 dBm			
2	N	1	f	2.400 00 GHz	-23.131 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS



Agilent Spectrum Analyzer - Swept SA

Center Freq **2.47350000 GHz** Avg Type: Log-Pwr
 PNO: Wide IFGain: Low Trig: Free Run Atten: 40 dB
 REF Offset 0.5 dB Ref 30.00 dBm

Mkr2 **2.483 50 GHz**
-47.174 dBm

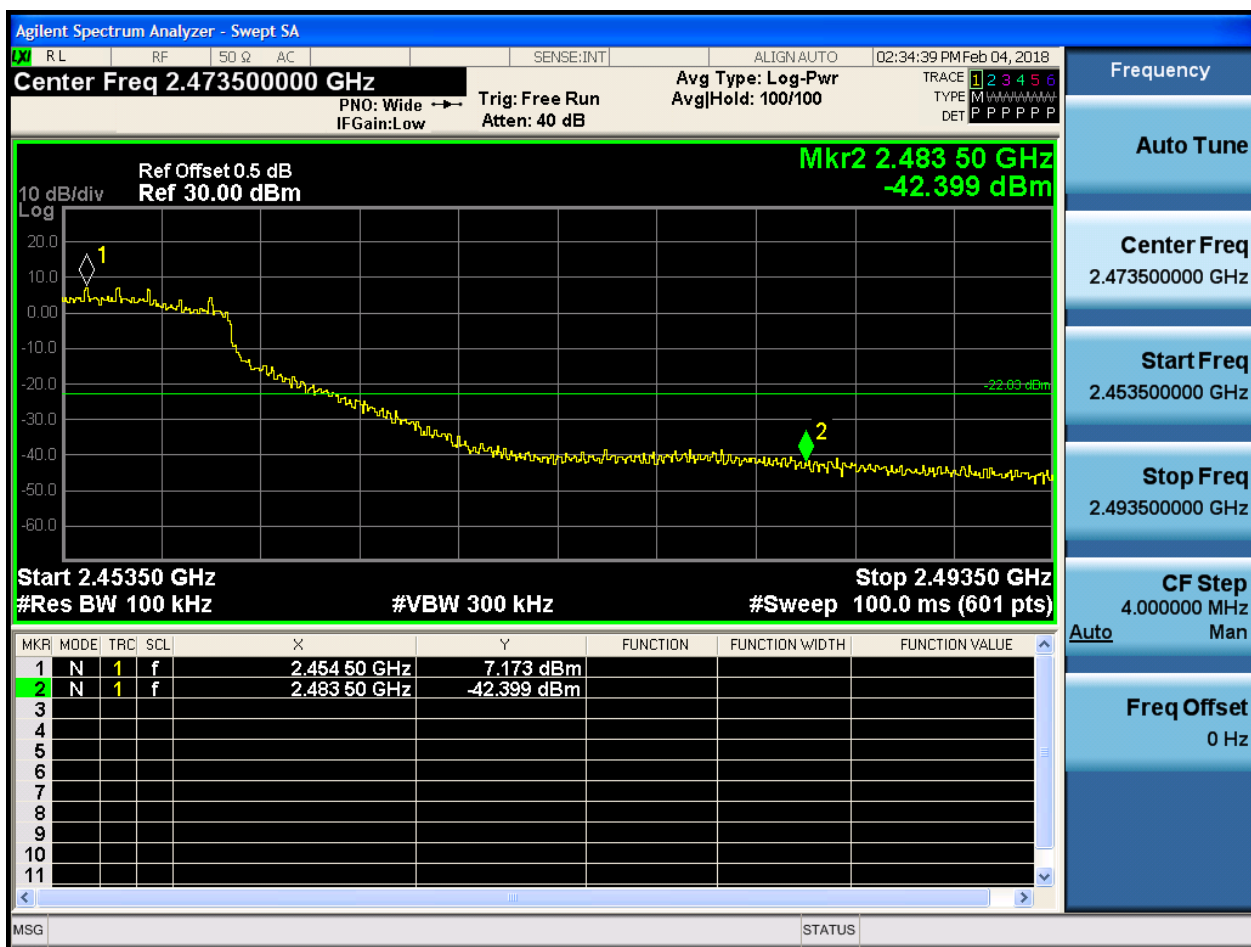
Start 2.45350 GHz Stop 2.49350 GHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 100.0 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.454 50 GHz	6.841 dBm			
2	N	1	f	2.483 50 GHz	-47.174 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune Center Freq 2.47350000 GHz Start Freq 2.45350000 GHz Stop Freq 2.49350000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz



2.10 11G_H_2452@Ant 2





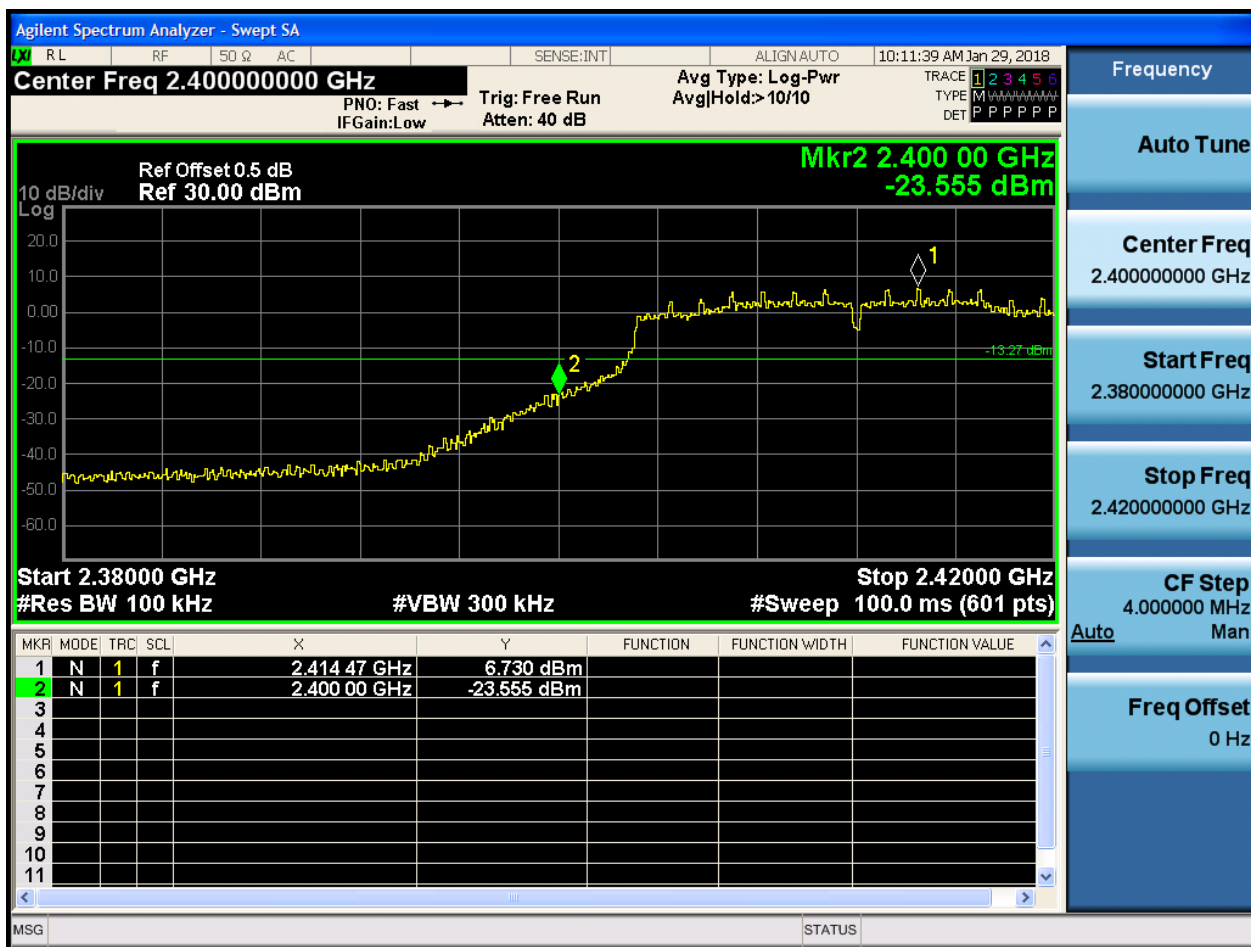
2.11 11G_H_2462@Ant 1



[illegible]



2.13 11N20_L@Ant 1





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.40000000 GHz

PNO: Fast → Trg: Free Run
IFGain: Low Atten: 40 dB

Avg Type: Log-Pwr
Avg/Hold: 10/10

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P P P P P P

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.400 00 GHz
-25.269 dBm

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 47 GHz	-7.139 dBm			
2	N	1	f	2.400 00 GHz	-25.269 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Start 2.38000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.42000 GHz #Sweep 100.0 ms (601 pts)

Frequency Auto Tune Center Freq 2.40000000 GHz Start Freq 2.380000000 GHz Stop Freq 2.420000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz



2.15 11N20_H_2452@Ant 1



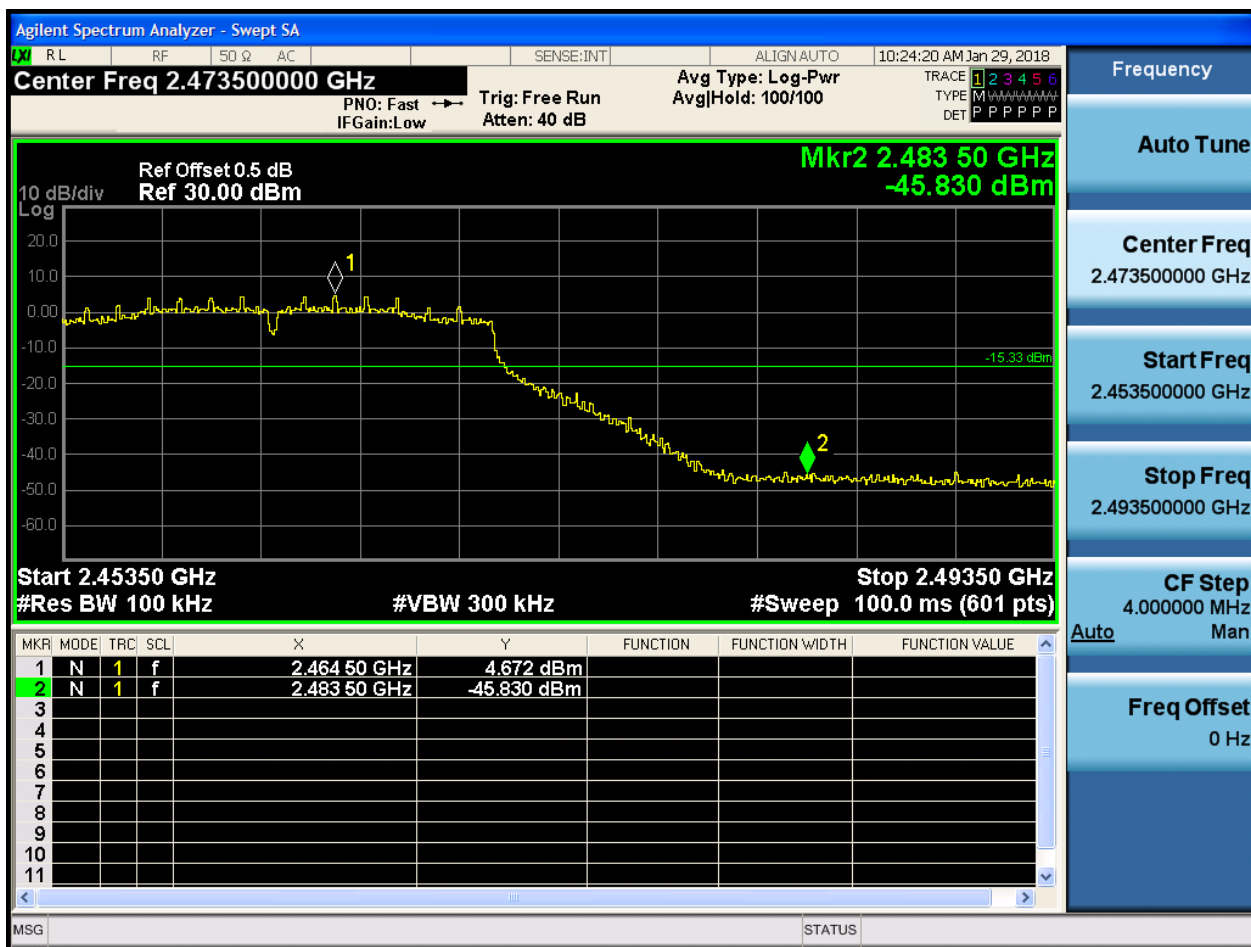


2.16 11N20_H_2452@Ant 2





2.17 11N20_H_2462@Ant 1



[illegible]

[illegible]



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:52:52 PM Jan 29, 2018

Center Freq 2.40000000 GHz Avg Type: Log-Pwr AvgHold: 10/10

PNO: Fast Trg: Free Run
IFGain:Low Atten: 40 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P P P P P P

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.400 00 GHz -26.270 dBm

10 dB/div
Log

Start 2.38000 GHz Stop 2.42000 GHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 100.0 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.414 47 GHz	4.856 dBm			
2	N	1	f	2.400 00 GHz	-26.270 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
2.40000000 GHz

Start Freq
2.380000000 GHz

Stop Freq
2.420000000 GHz

CF Step
4.000000 MHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 01:41:54 PM Feb 06, 2018

Center Freq 2.473500000 GHz Avg Type: Log-Pwr
 PNO: Fast Trig: Free Run Avg/Hold: 100/100
 IF Gain: Low Atten: 40 dB

TRACE 1 2 3 4 5 6
 TYPE M
 DET P P P P P P

Ref Offset 0.5 dB
 Ref 30.00 dBm

**Mkr2 2.483 50 GHz
 -48.652 dBm**

10 dB/div
 Log

20.0
 10.0
 0.00
 -10.0
 -20.0
 -30.0
 -40.0
 -50.0
 -60.0

-25.32 dBm

Start 2.45350 GHz **Stop 2.49350 GHz**
#Res BW 100 kHz **#VBW 300 kHz** **#Sweep 100.0 ms (601 pts)**

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.454 50 GHz	4.684 dBm			
2	N	1	f	2.483 50 GHz	-48.652 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
2.473500000 GHz

Start Freq
2.453500000 GHz

Stop Freq
2.493500000 GHz

CF Step
4.000000 MHz
Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 2.473500000 GHz

Avg Type: Log-Pwr
Avg/Hold: 100/100

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.483 50 GHz
-48.424 dBm

Start 2.45350 GHz
#Res BW 100 kHz

Stop 2.49350 GHz
#Sweep 100.0 ms (601 pts)

#VBW 300 kHz

Frequency

Auto Tune

Center Freq
2.473500000 GHz

Start Freq
2.453500000 GHz

Stop Freq
2.493500000 GHz

CF Step
4.000000 MHz
Man

Freq Offset
0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.454 50 GHz	3.897 dBm			
2	N	1	f	2.483 50 GHz	-48.424 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS



2.23 11N20m_H_2462@Ant 1





2.24 11N20m_H_2462@Ant 2





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.40000000 GHz

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.400 00 GHz
-28.631 dBm

Start 2.38000 GHz
#Res BW 100 kHz

Stop 2.42000 GHz
#Sweep 100.0 ms (601 pts)

#VBW 300 kHz

Trig: Free Run
Atten: 40 dB

Avg Type: Log-Pwr
AvgHold>10/10

Frequency

Auto Tune

Center Freq
2.40000000 GHz

Start Freq
2.380000000 GHz

Stop Freq
2.420000000 GHz

CF Step
4.000000 MHz
Man

Freq Offset
0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.417 00 GHz	1.672 dBm			
2	N	1	f	2.400 00 GHz	-28.631 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS



Agilent Spectrum Analyzer - Swept SA

Center Freq 2.40000000 GHz

PNO: Fast → Trig: Free Run
IFGain: Low Atten: 40 dB

Avg Type: Log-Pwr AvgHold: 10/10

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P P P P P P

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.400 00 GHz
-26.649 dBm

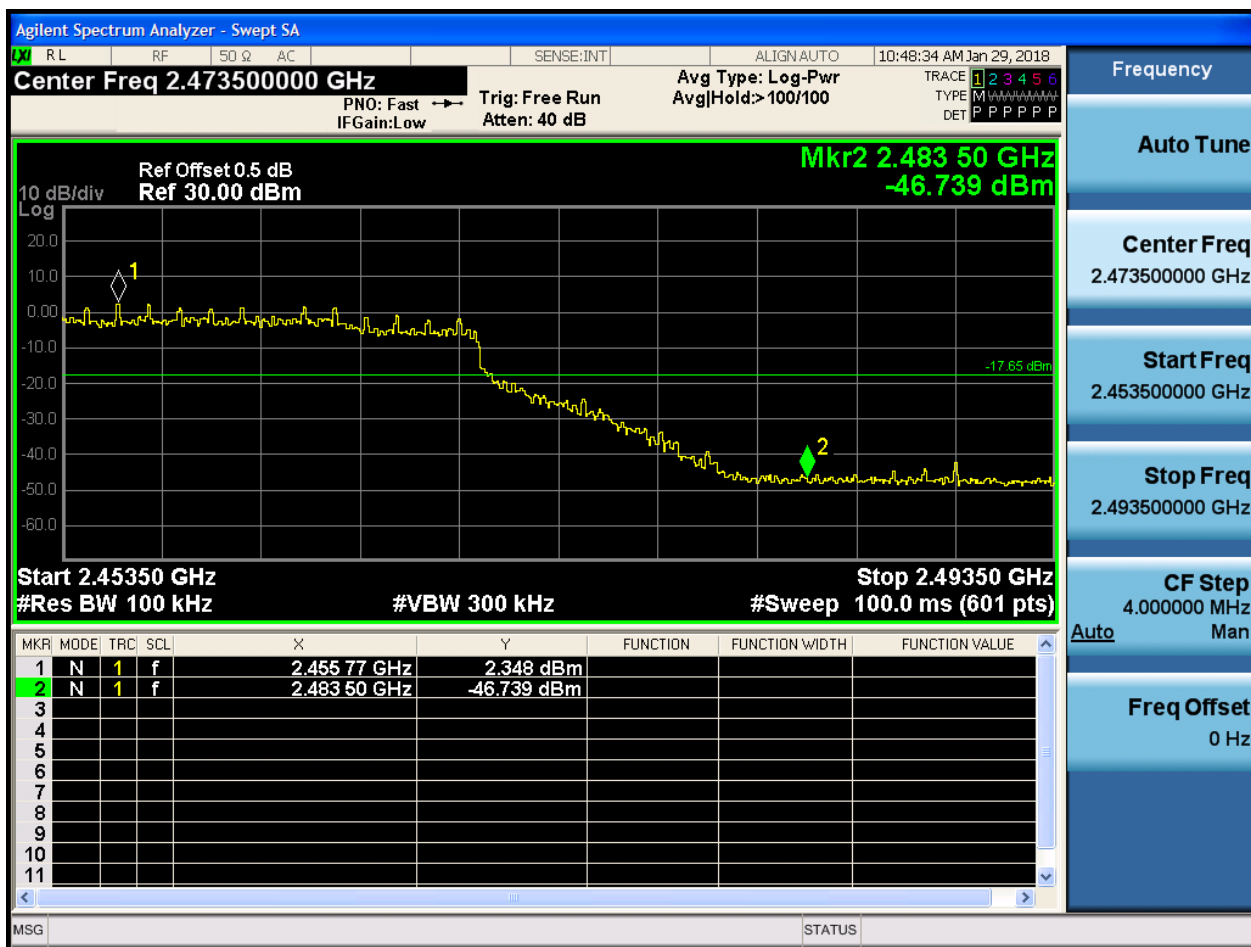
Start 2.38000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.42000 GHz #Sweep 100.0 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.417 00 GHz	-2.130 dBm			
2	N	1	f	2.400 00 GHz	-26.649 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune Center Freq 2.40000000 GHz Start Freq 2.380000000 GHz Stop Freq 2.420000000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz



2.27 11N40_H@Ant 1





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:33:11 PM Jan 29, 2018

Center Freq 2.47350000 GHz Avg Type: Log-Pwr
 PNO: Fast Trig: Free Run
 IFGain:Low Atten: 40 dB

TRACE 1 2 3 4 5 6
 TYPE M
 DET P P P P P P

Ref Offset 0.5 dB
 Ref 30.00 dBm

Mkr2 2.483 50 GHz
 -45.645 dBm

10 dB/div
 Log

Start 2.45350 GHz Stop 2.49350 GHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 100.0 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.455 77 GHz	2.450 dBm			
2	N	1	f	2.483 50 GHz	-45.645 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
2.47350000 GHz

Start Freq
2.45350000 GHz

Stop Freq
2.49350000 GHz

CF Step
4.000000 MHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 2.40000000 GHz

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.400 00 GHz
-30.689 dBm

Start 2.38000 GHz
#Res BW 100 kHz

Stop 2.42000 GHz
#Sweep 100.0 ms (601 pts)

#VBW 300 kHz

10 dB/div
Log

20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

2.417 00 GHz
-1.154 dBm

2.400 00 GHz
-30.689 dBm

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.417 00 GHz	-1.154 dBm			
2	N	1	f	2.400 00 GHz	-30.689 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.40000000 GHz

Start Freq
2.380000000 GHz

Stop Freq
2.420000000 GHz

CF Step
4.000000 MHz
Auto

Freq Offset
0 Hz

MSG

STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 03:11:19 PM Jan 29, 2018

Center Freq 2.40000000 GHz Avg Type: Log-Pwr Trig: Free Run
 PNO: Fast IFGain: Low Atten: 40 dB AvgHold: 10/10
 TRACE 1 2 3 4 5 6
 TYPE M
 DET P P P P P P

Ref Offset 0.5 dB
 Ref 30.00 dBm

Mkr2 2.400 00 GHz
-31.131 dBm

10 dB/div
 Log

20.0
 10.0
 0.00
 -10.0
 -20.0
 -30.0
 -40.0
 -50.0
 -60.0

Start 2.38000 GHz Stop 2.42000 GHz
 #Res BW 100 kHz #VBW 300 kHz #Sweep 100.0 ms (601 pts)

MRK	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.417 00 GHz	-0.974 dBm			
2	N	1	f	2.400 00 GHz	-31.131 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
2.40000000 GHz

Start Freq
2.38000000 GHz

Stop Freq
2.42000000 GHz

CF Step
4.000000 MHz
Auto Man

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq **2.47350000 GHz** Avg Type: Log-Pwr
PNO: Fast → Trig: Free Run
IFGain:Low Atten: 40 dB

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.483 50 GHz
-49.375 dBm

Start 2.45350 GHz Stop 2.49350 GHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 100.0 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.455 77 GHz	-0.526 dBm			
2	N	1	f	2.483 50 GHz	-49.375 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune Center Freq 2.47350000 GHz Start Freq 2.45350000 GHz Stop Freq 2.49350000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 03:25:07 PM Jan 29, 2018

Center Freq 2.47350000 GHz Avg Type: Log-Pwr
PNO: Fast → Trig: Free Run IFGain:Low Atten: 40 dB
TRACE 1 2 3 4 5 6
TYPE M W W W W W W W W
DET P P P P P P

Ref Offset 0.5 dB
Ref 30.00 dBm

Mkr2 2.483 50 GHz
-48.694 dBm

10 dB/div
Log

Start 2.45350 GHz Stop 2.49350 GHz
#Res BW 100 kHz #VBW 300 kHz #Sweep 100.0 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.455 70 GHz	-0.291 dBm			
2	N	1	f	2.483 50 GHz	-48.694 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
2.47350000 GHz

Start Freq
2.45350000 GHz

Stop Freq
2.49350000 GHz

CF Step
4.000000 MHz
Man

Freq Offset
0 Hz

Appendix H: Unwanted Emissions into Non-Restricted Frequency

Bands

In this Appendix, the "Pref", which is used as the reference level, refers to the peak power level in any 100 kHz bandwidth within the fundamental emission, the "Puw" refers to the maximum emission power in 100 kHz band segments outside of the authorized frequency band.

Considering that the higher ratio of RBW to the span for the frequency ranges below 30 MHz makes the results determination be complicated, a narrower RBW other than 100 kHz is used for these ranges. The measured value should add a RBW correction factor (RBWCF) where $RBWCF [dB] = 10 \times \lg(100 [kHz]/\text{narrower RBW} [kHz])$. As to this Appendix, the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain and used as respective results for each chain, due to the relative-limit requirement.

In the result table, the "< Limit" denotes that "The Puw [dBm] is less than Pref[dBm]-20[dBm], see test plots for detailed".

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11B	L	2412	Ant 1	7.51	<limit	pass
11B	L	2412	Ant 2	7.93	<limit	pass
11B	M	2437	Ant 1	8.02	<limit	pass
11B	M	2437	Ant 2	7.81	<limit	pass
11B	H	2452	Ant 1	7.64	<limit	pass
11B	H	2452	Ant 2	8.07	<limit	pass
11B	H	2462	Ant 1	5.49	<limit	pass
11B	H	2462	Ant 2	6.08	<limit	pass
11G	L	2412	Ant 1	7.14	<limit	pass
11G	L	2412	Ant 2	7.52	<limit	pass
11G	M	2437	Ant 1	7.47	<limit	pass
11G	M	2437	Ant 2	7.34	<limit	pass
11G	H	2452	Ant 1	7.24	<limit	pass
11G	H	2452	Ant 2	7.52	<limit	pass
11G	H	2462	Ant 1	4.93	<limit	pass
11G	H	2462	Ant 2	5.52	<limit	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	Pref[dBm]	Puw[dBm]	Verdict
11N20	L	2412	Ant 1	7.09	<limit	pass
11N20	L	2412	Ant 2	7.51	<limit	pass
11N20	M	2437	Ant 1	7.67	<limit	pass
11N20	M	2437	Ant 2	7.46	<limit	pass
11N20	H	2452	Ant 1	7.26	<limit	pass
11N20	H	2452	Ant 2	7.56	<limit	pass
11N20	H	2462	Ant 1	5.11	<limit	pass
11N20	H	2462	Ant 2	5.63	<limit	pass
11N20m	L	2412	Ant 1	4.66	<limit	pass
11N20m	L	2412	Ant 2	4.96	<limit	pass
11N20m	M	2437	Ant 1	5.11	<limit	pass
11N20m	M	2437	Ant 2	4.77	<limit	pass
11N20m	H	2452	Ant 1	4.36	<limit	pass
11N20m	H	2452	Ant 2	4.87	<limit	pass
11N20m	H	2462	Ant 1	2.61	<limit	pass
11N20m	H	2462	Ant 2	2.97	<limit	pass
11N40	L	2422	Ant 1	2.48	<limit	pass
11N40	L	2422	Ant 2	2.78	<limit	pass
11N40	M	2437	Ant 1	2.54	<limit	pass
11N40	M	2437	Ant 2	2.66	<limit	pass
11N40	H	2452	Ant 1	2.47	<limit	pass
11N40	H	2452	Ant 2	2.48	<limit	pass
11N40m	L	2422	Ant 1	-0.64	<limit	pass
11N40m	L	2422	Ant 2	-0.04	<limit	pass
11N40m	M	2437	Ant 1	-0.36	<limit	pass
11N40m	M	2437	Ant 2	-0.23	<limit	pass
11N40m	H	2452	Ant 1	-0.46	<limit	pass
11N40m	H	2452	Ant 2	-0.32	<limit	pass



Part II - Test Plots

2.1 11B_L@Ant 1

Pref:





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN:AUTO 09:51:03 AM Jan 29, 2018

Center Freq 79.500 kHz

PNO: Wide IFGain:Low Trig: Free Run #Atten: 26 dB

Avg Type: Log-Pwr Avg/Hold: >50/50

TRACE 1 2 3 4 5 6
TYPE M
DET P P P P P P

Ref Offset 0.5 dB
Ref 0.00 dBm

Mkr1 9.470 kHz
-52.897 dBm

10 dB/div
Log

Start 9.00 kHz Stop 150.00 kHz
#Res BW 1.0 kHz #VBW 3.0 kHz Sweep 134.8 ms (601 pts)

MSG STATUS DC Coupled

Frequency

Auto Tune

Center Freq
79.500 kHz

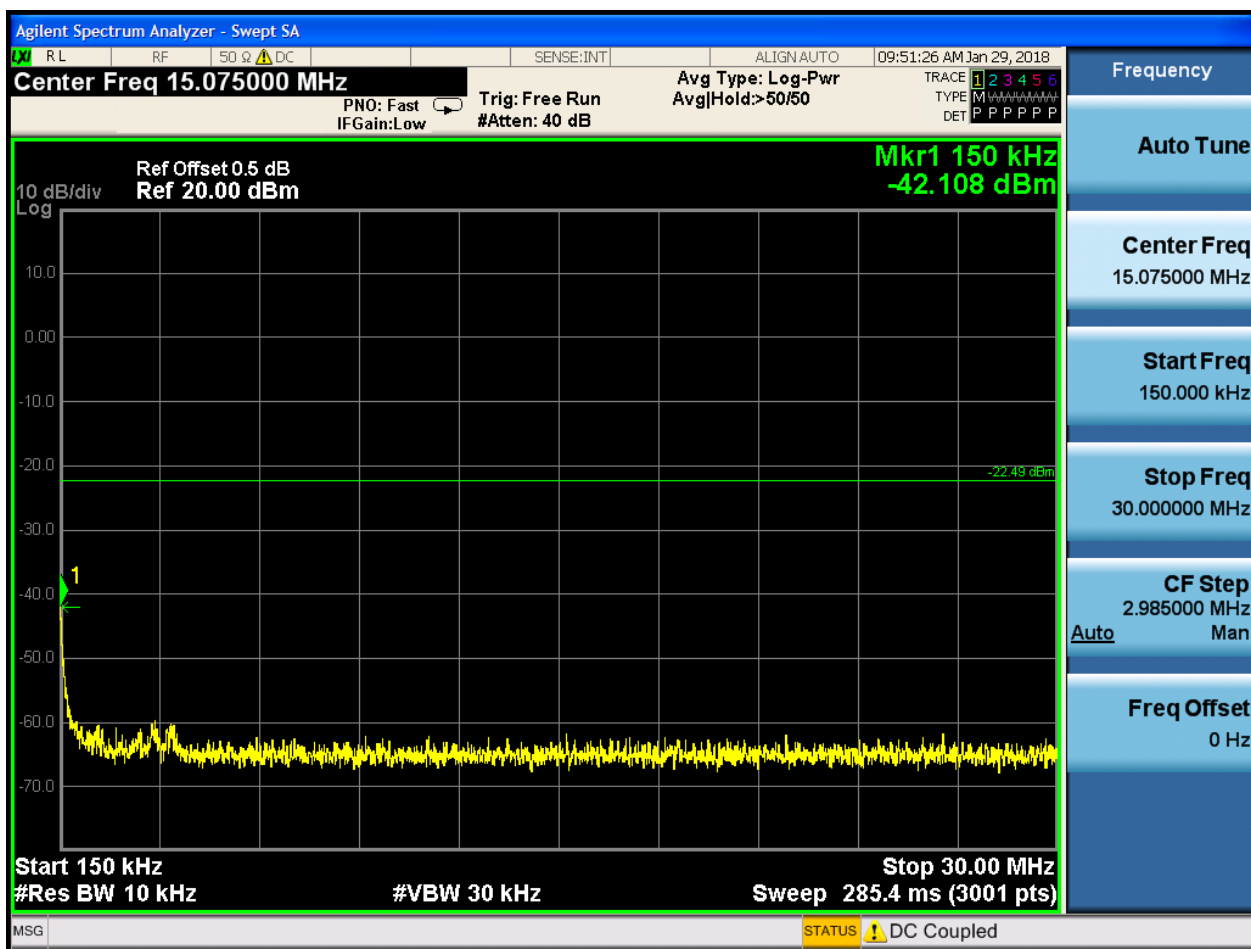
Start Freq
9.000 kHz

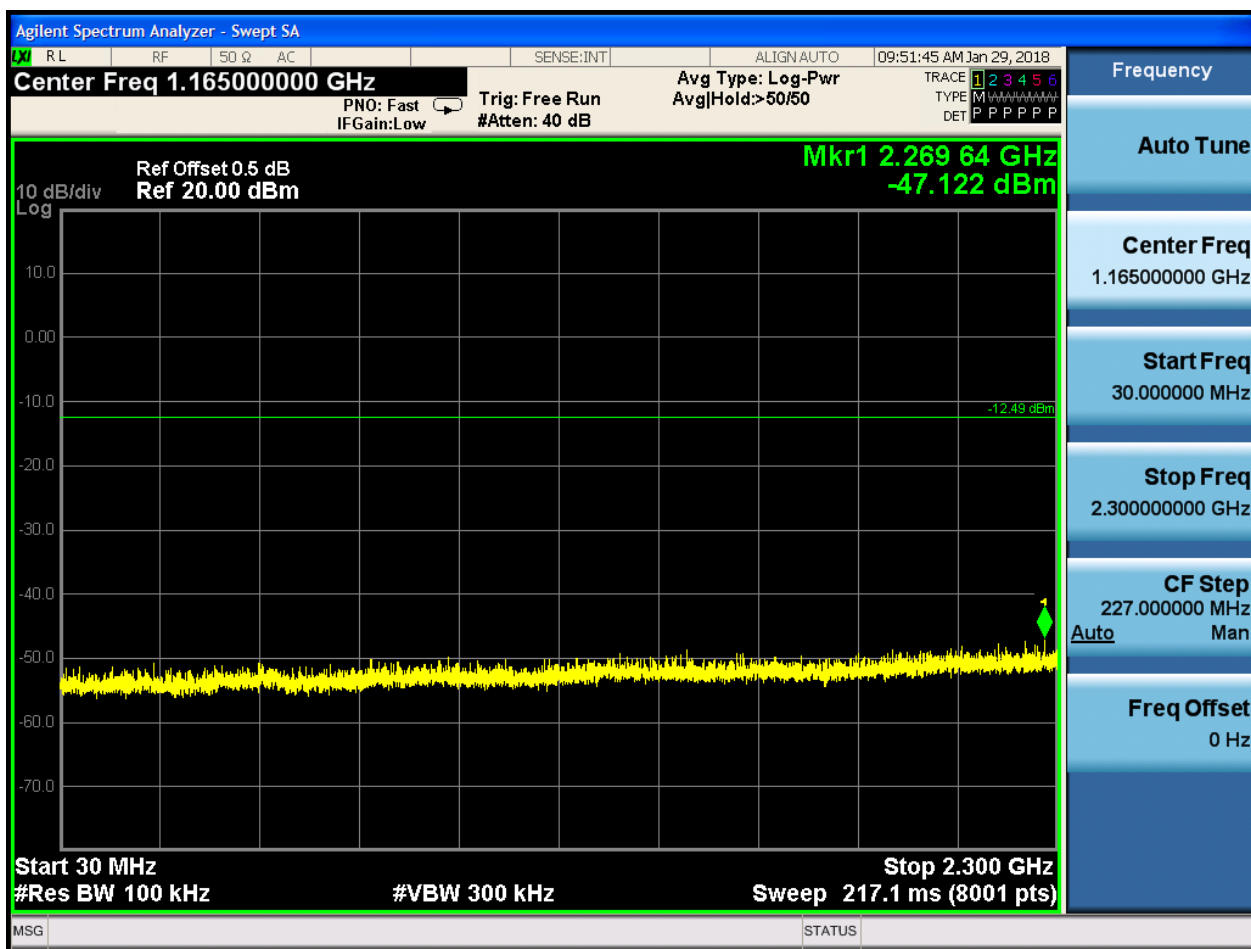
Stop Freq
150.000 kHz

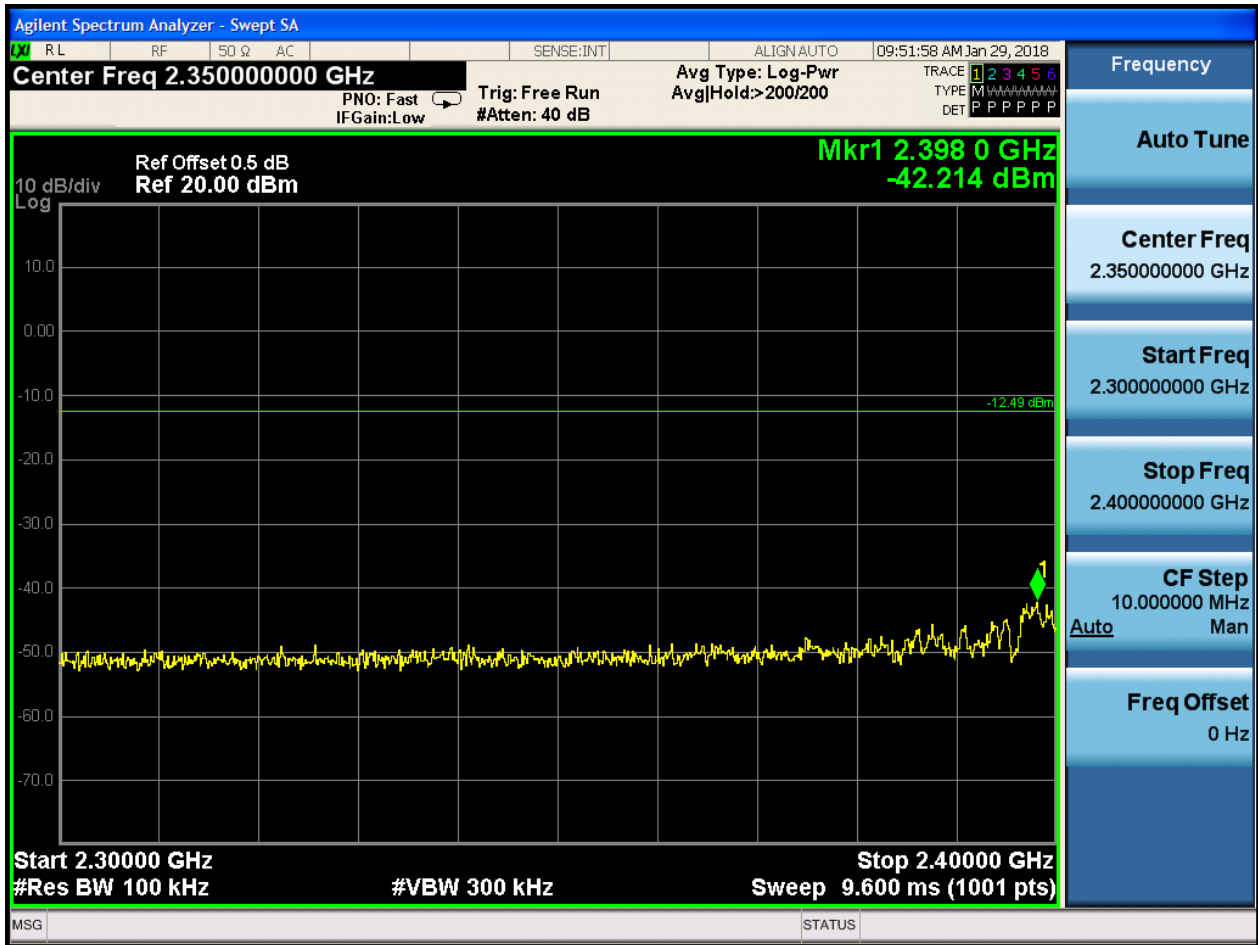
CF Step
14.100 kHz
Man

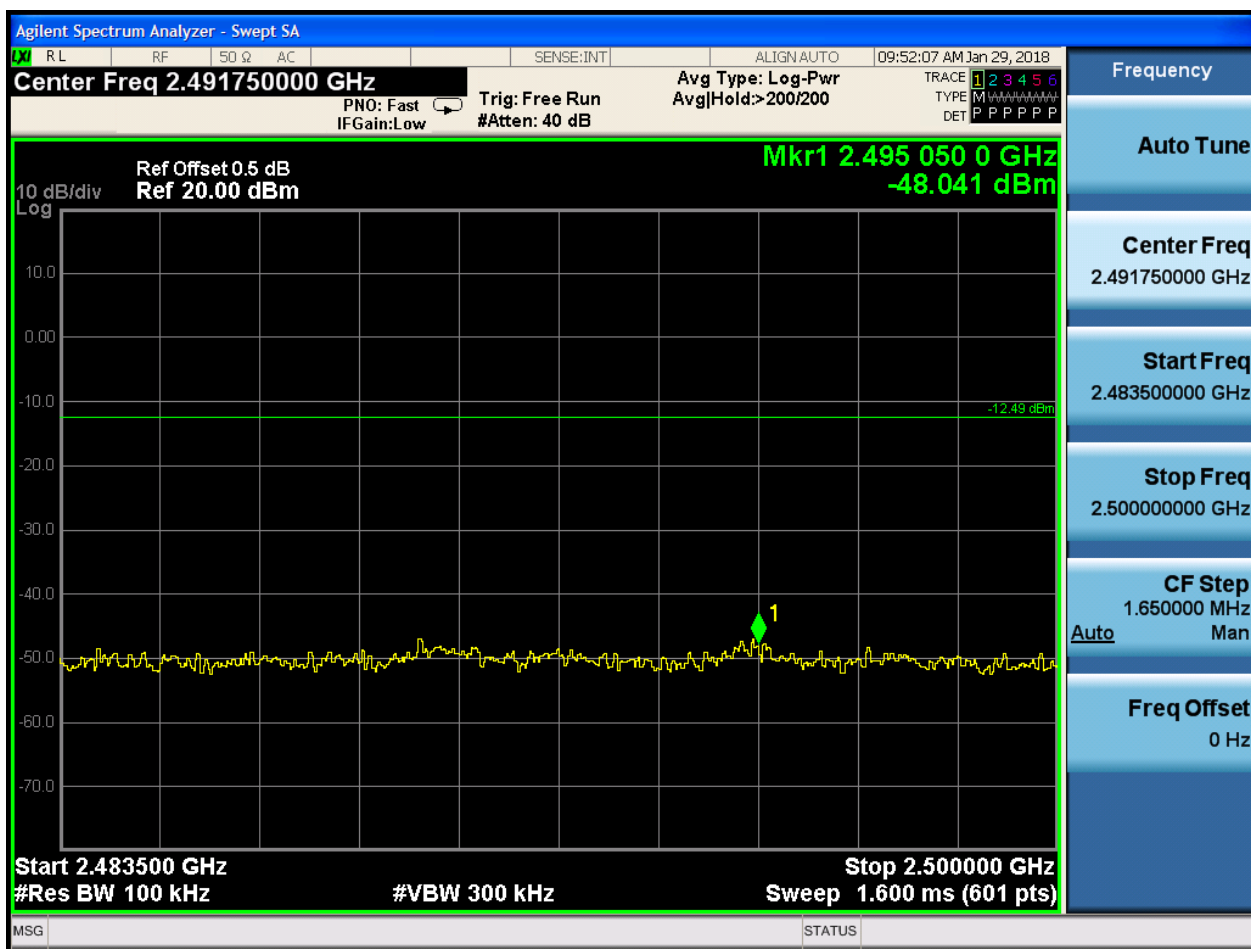
Auto

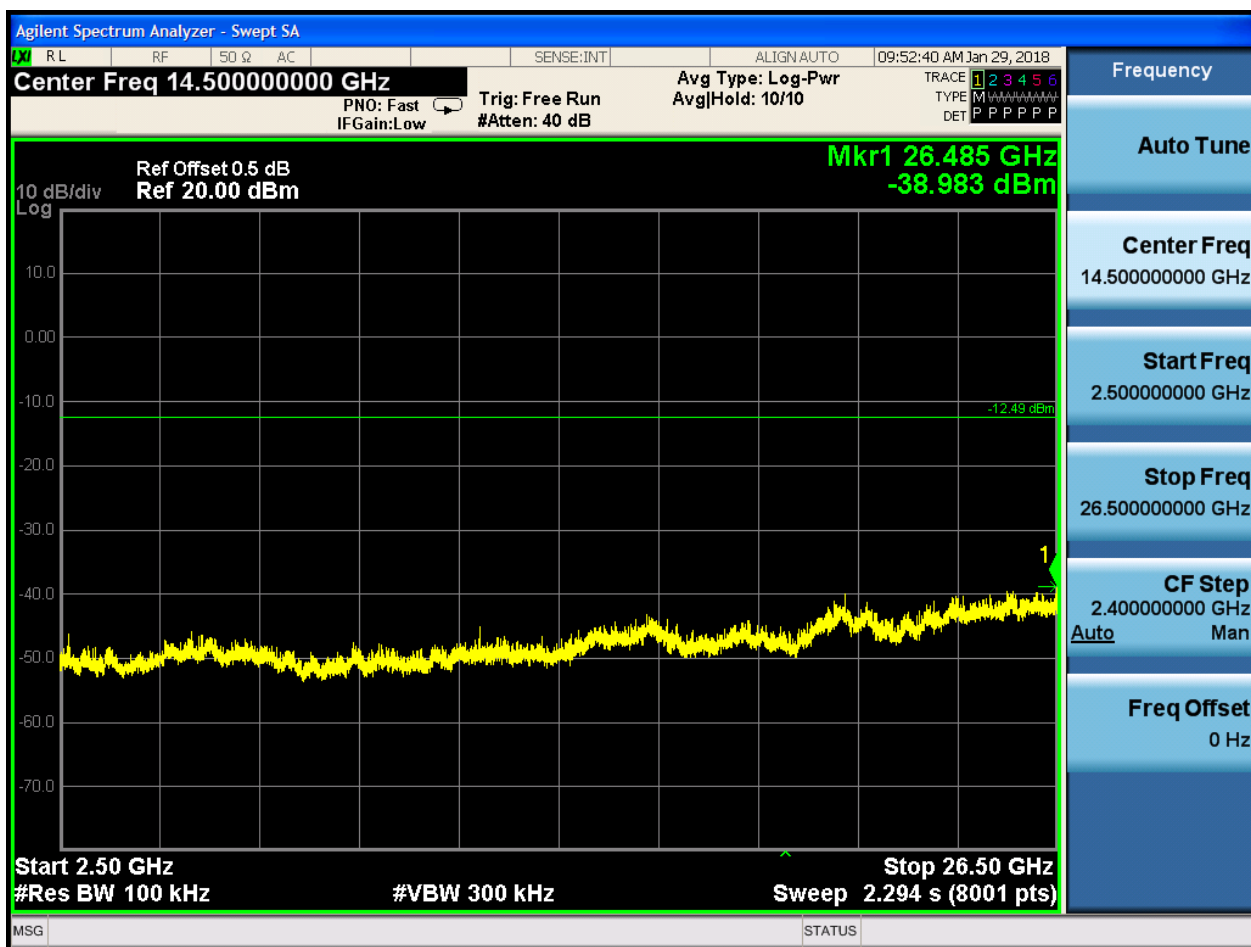
Freq Offset
0 Hz







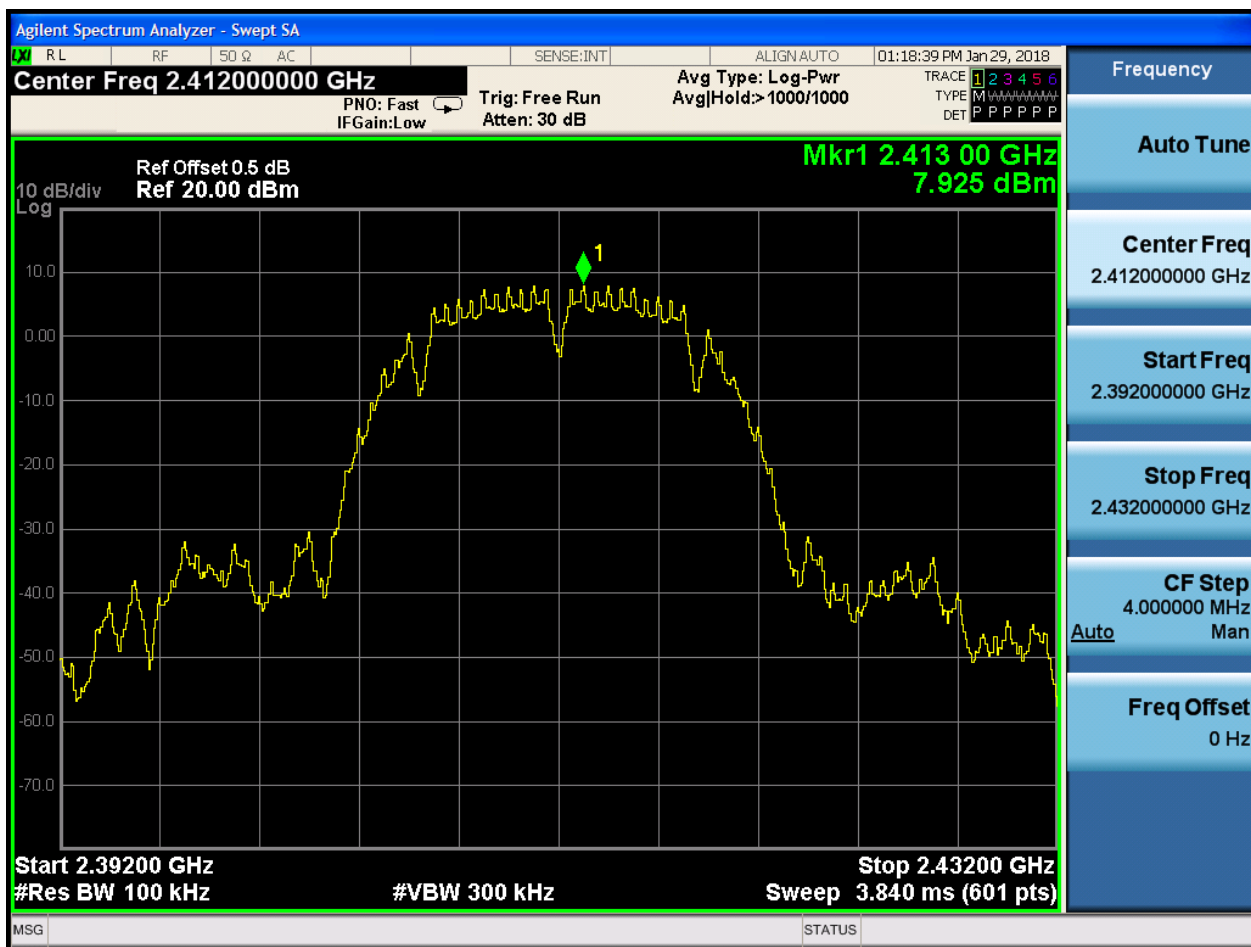






2.2 11B_L@Ant 2

Pref:





Agilent Spectrum Analyzer - Swept SA

Center Freq 79.500 kHz

PNO: Wide IFGain:Low Trig: Free Run #Atten: 26 dB

Avg Type: Log-Pwr AvgHold>50/50

TRACE 1 2 3 4 5 6
TYPE M
DET P P P P P P

Frequency

Auto Tune

Center Freq 79.500 kHz

Start Freq 9.000 kHz

Stop Freq 150.000 kHz

CF Step 14.100 kHz Man

Auto

Freq Offset 0 Hz

10 dB/div Log

Ref Offset 0.5 dB Ref 0.00 dBm

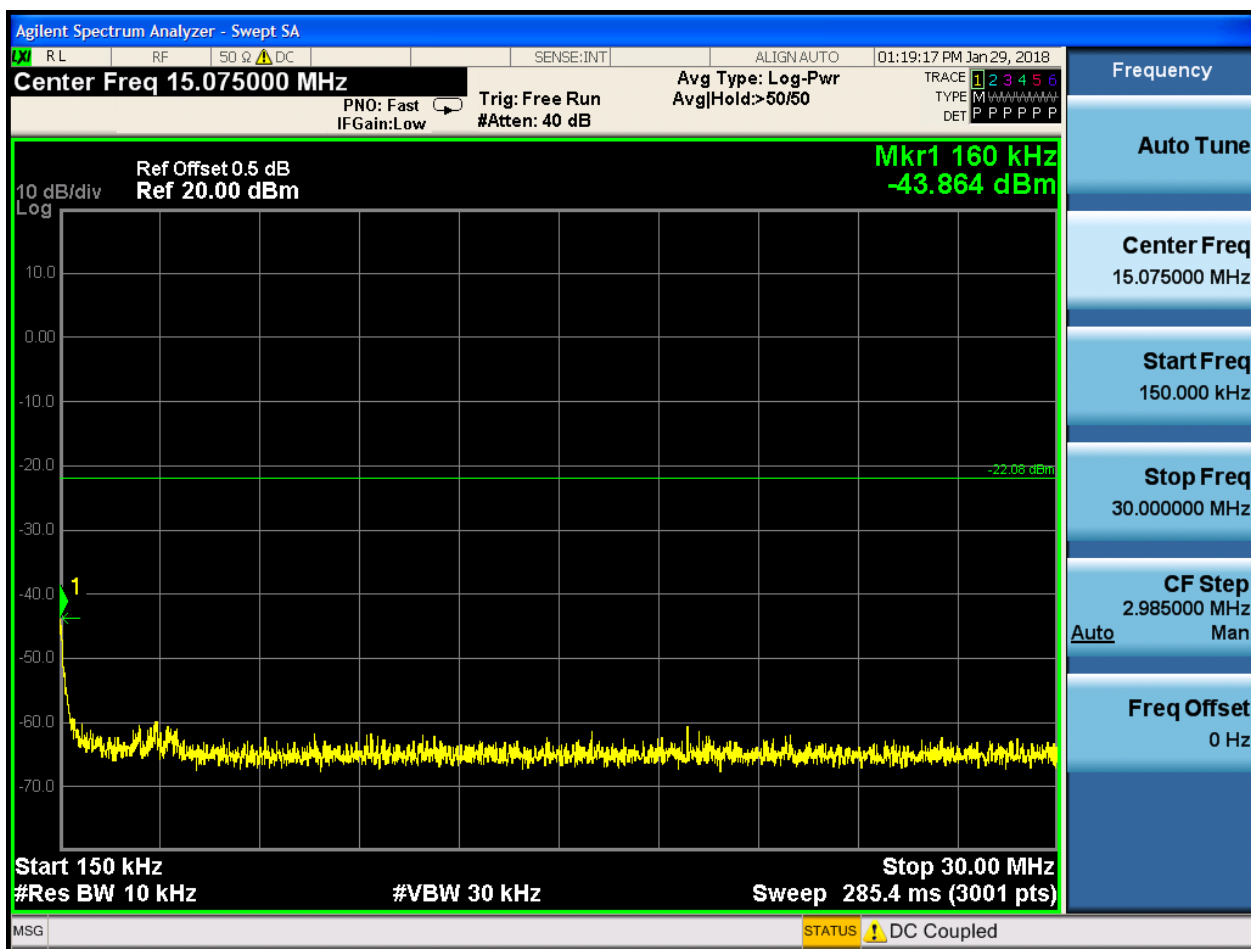
Mkr1 9.000 kHz -53.564 dBm

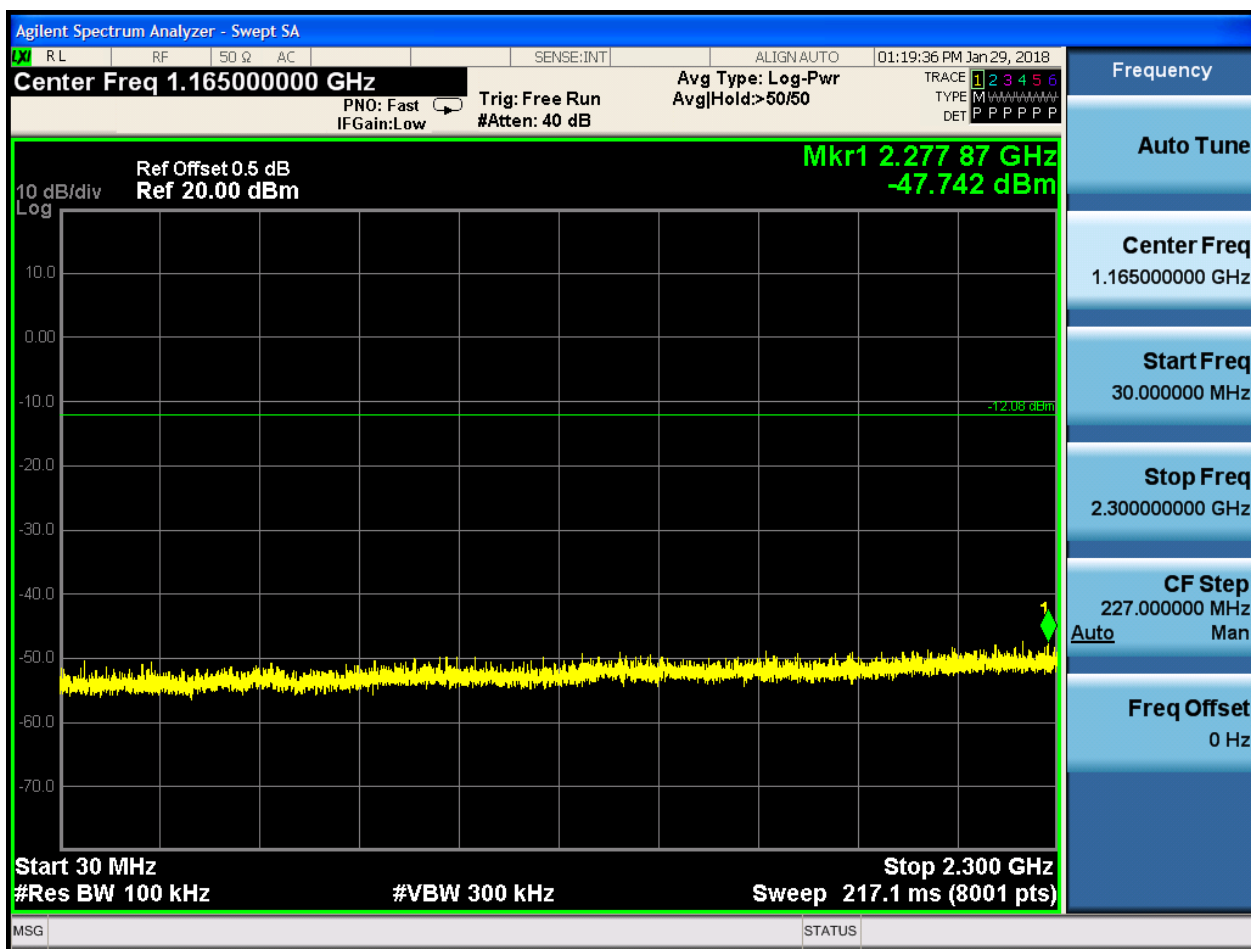
-32.08 dBm

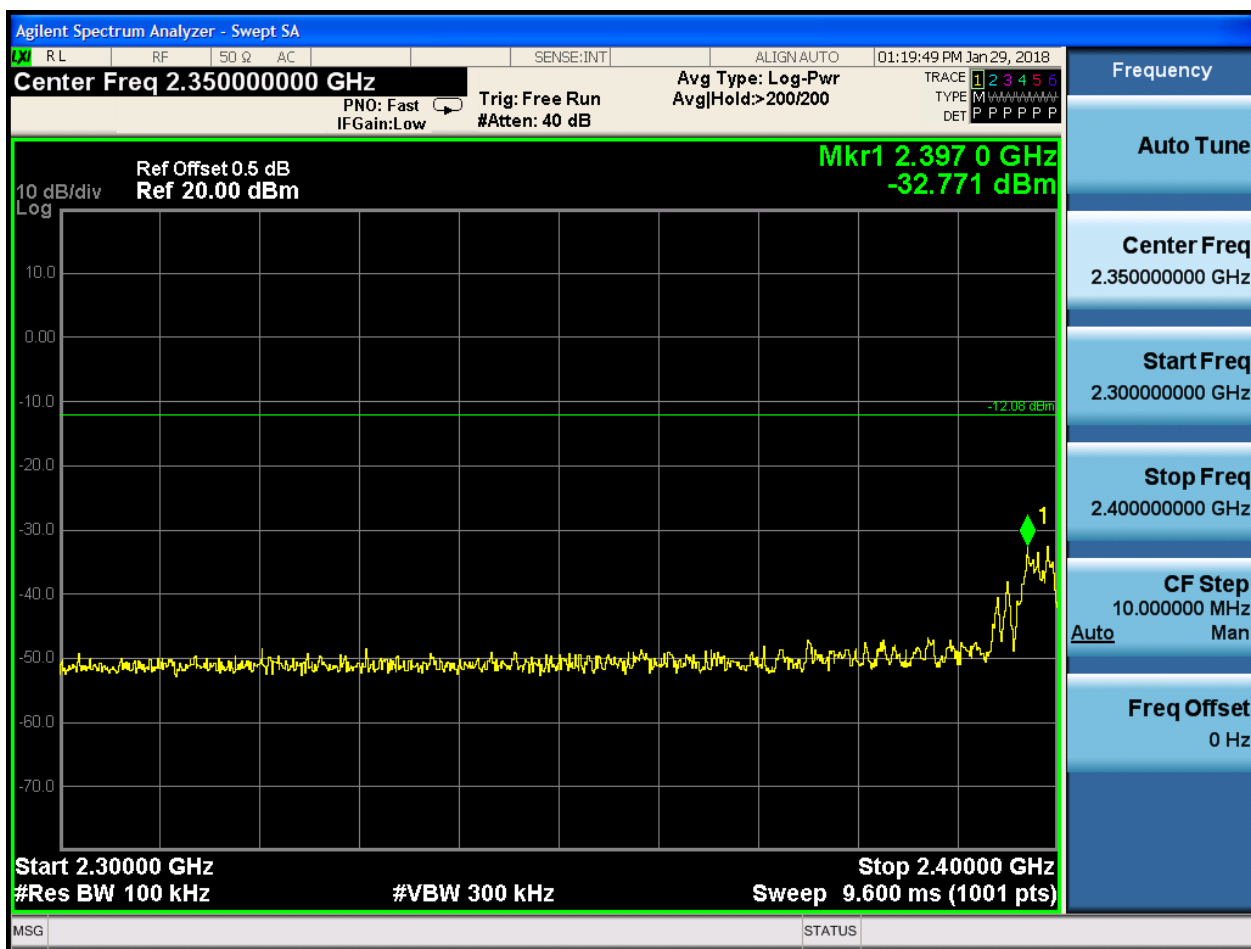
Start 9.00 kHz #Res BW 1.0 kHz

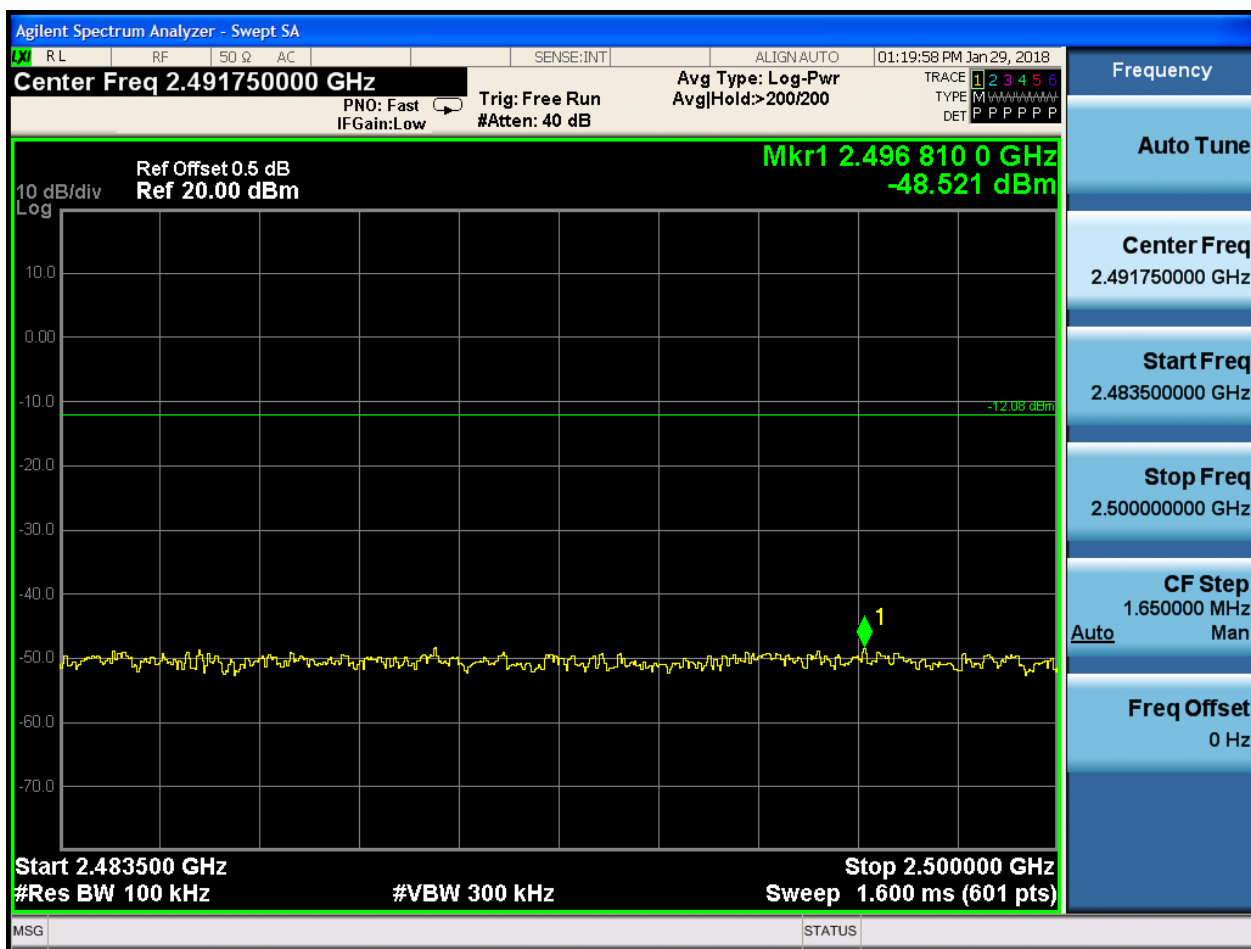
Stop 150.00 kHz #VBW 3.0 kHz Sweep 134.8 ms (601 pts)

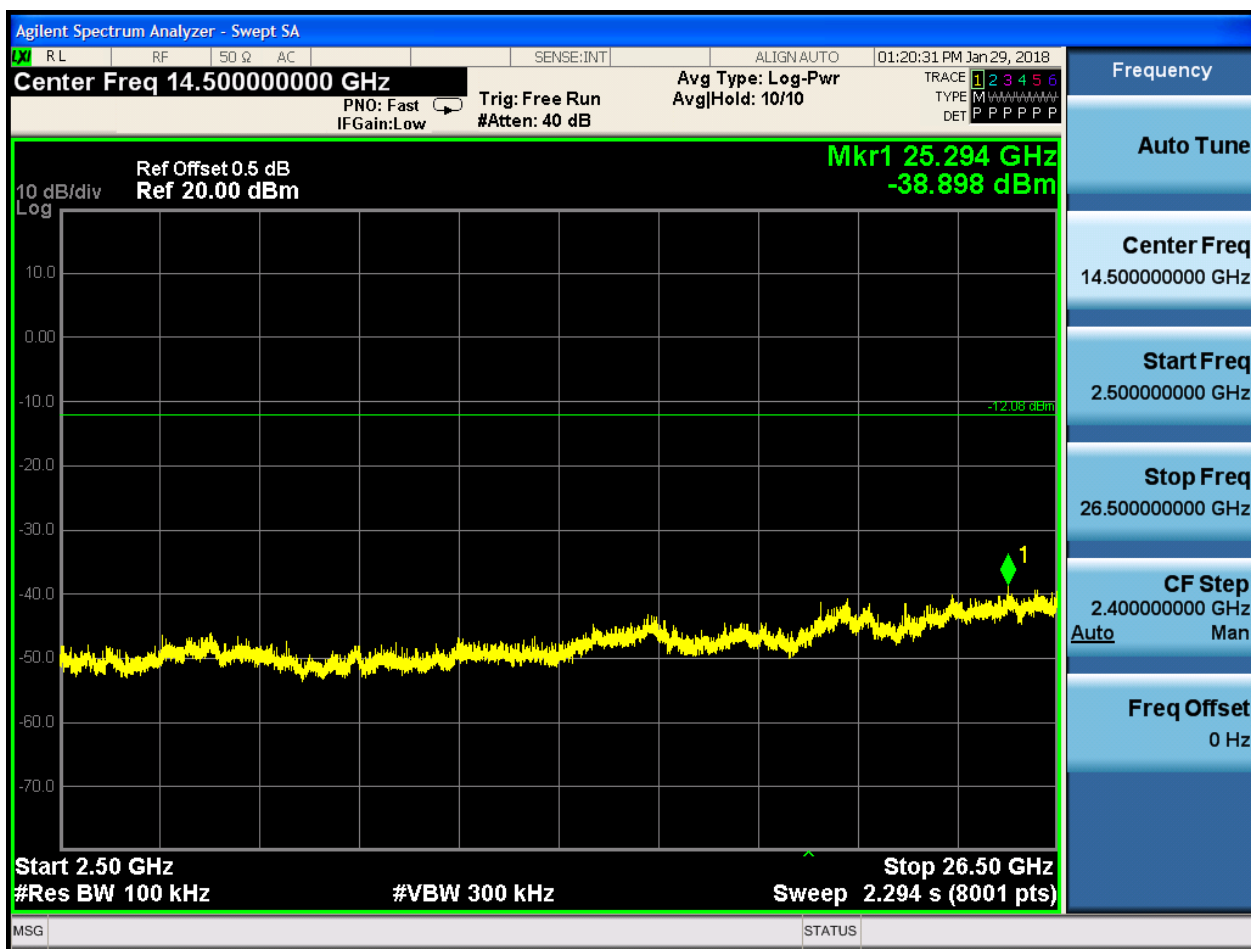
MSG STATUS DC Coupled







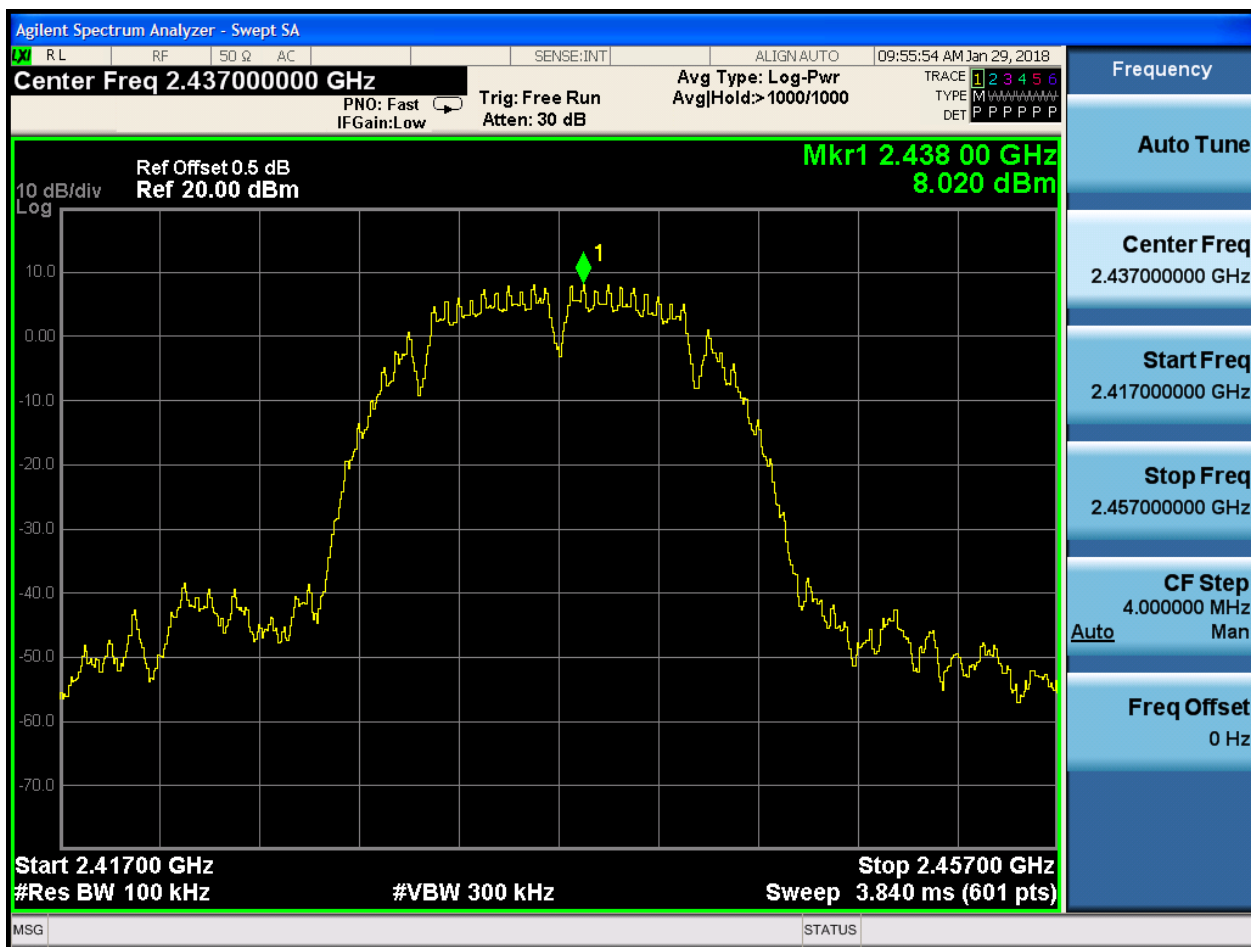






2.3 11B_M@Ant 1

Pref:





Agilent Spectrum Analyzer - Swept SA

R/L RF 50 Ω DC SENSE:INT ALIGN:AUTO 09:56:09 AM Jan 29, 2018

Center Freq 79.500 kHz

PNO: Wide IF Gain: Low Trig: Free Run #Atten: 26 dB Avg Type: Log-Pwr Avg/Hold: >50/50

TRACE 1 2 3 4 5 6
TYPE M U I L L I N E A R
DET P P P P P P

Ref Offset 0.5 dB Ref 0.00 dBM

Mkr1 11.820 kHz -54.842 dBm

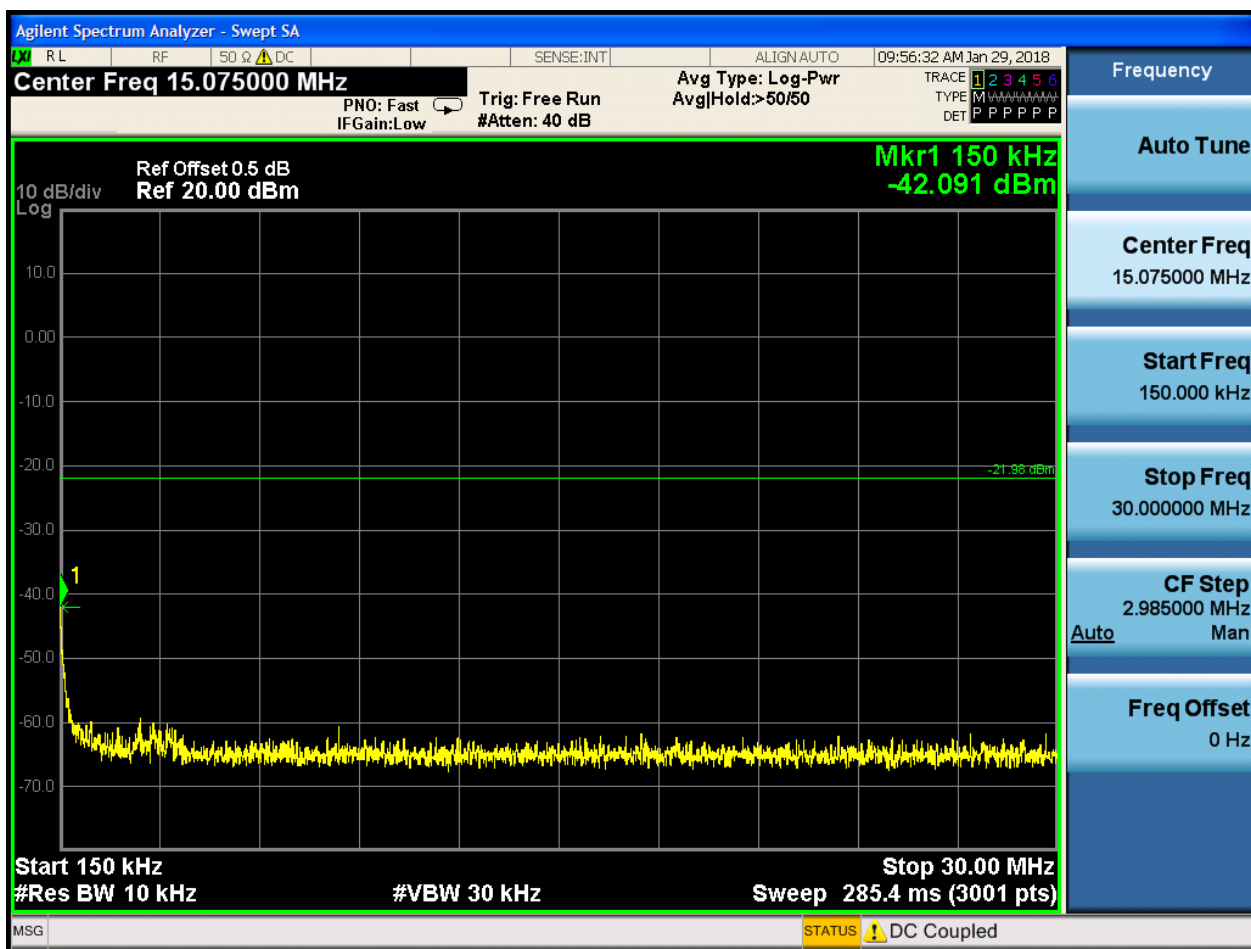
10 dB/div Log

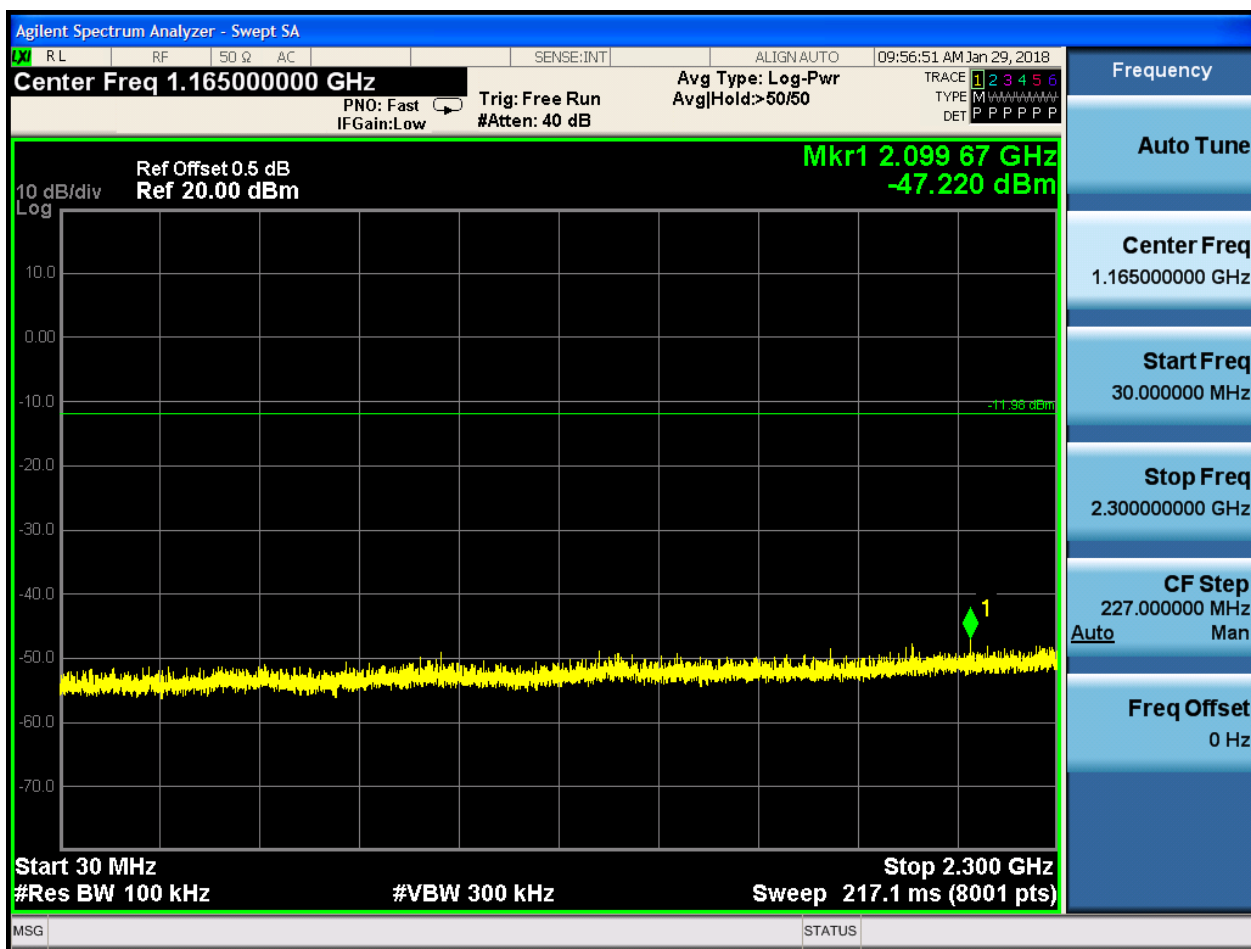
-31.86 dBm

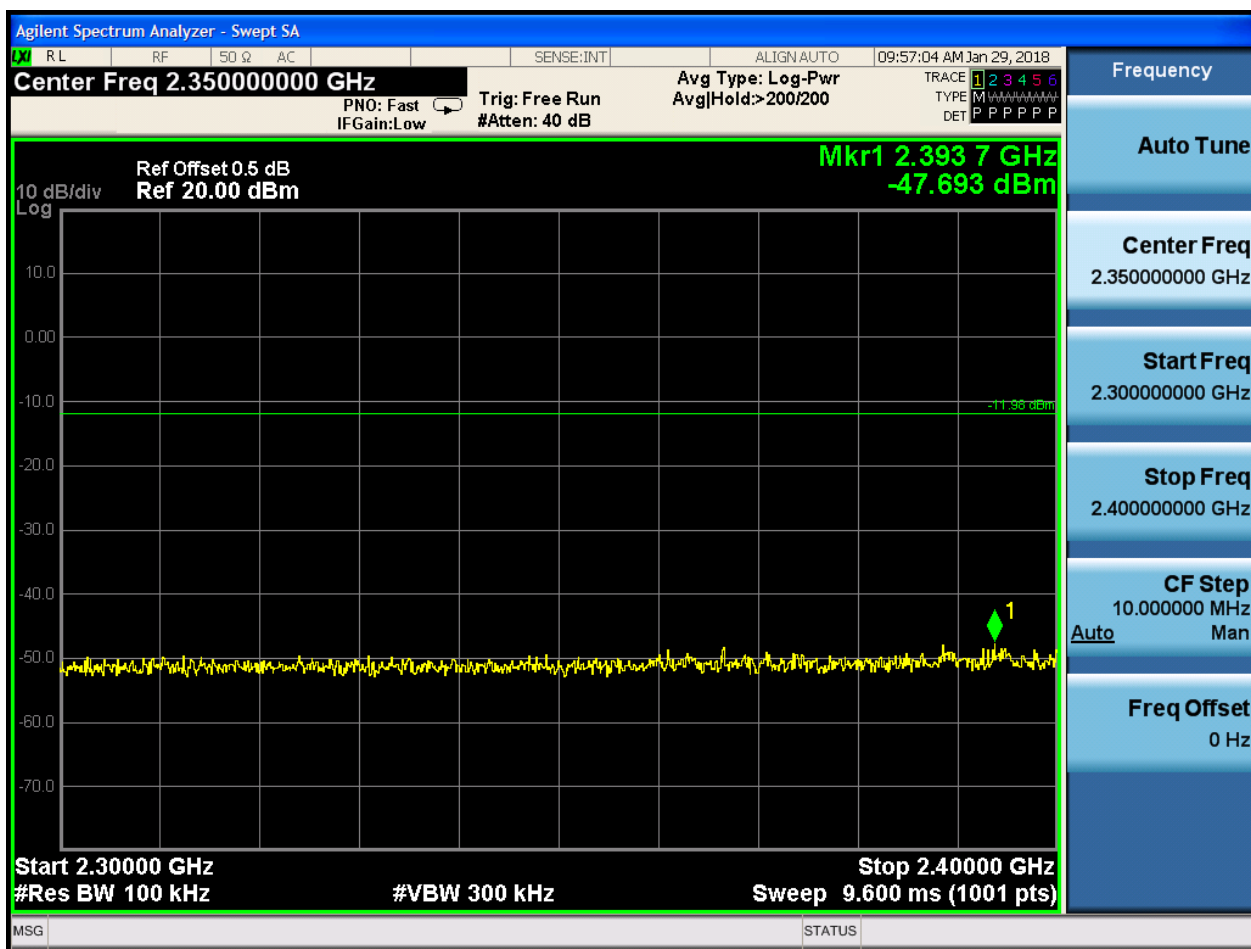
Start 9.00 kHz Stop 150.00 kHz
#Res BW 1.0 kHz #VBW 3.0 kHz Sweep 134.8 ms (601 pts)

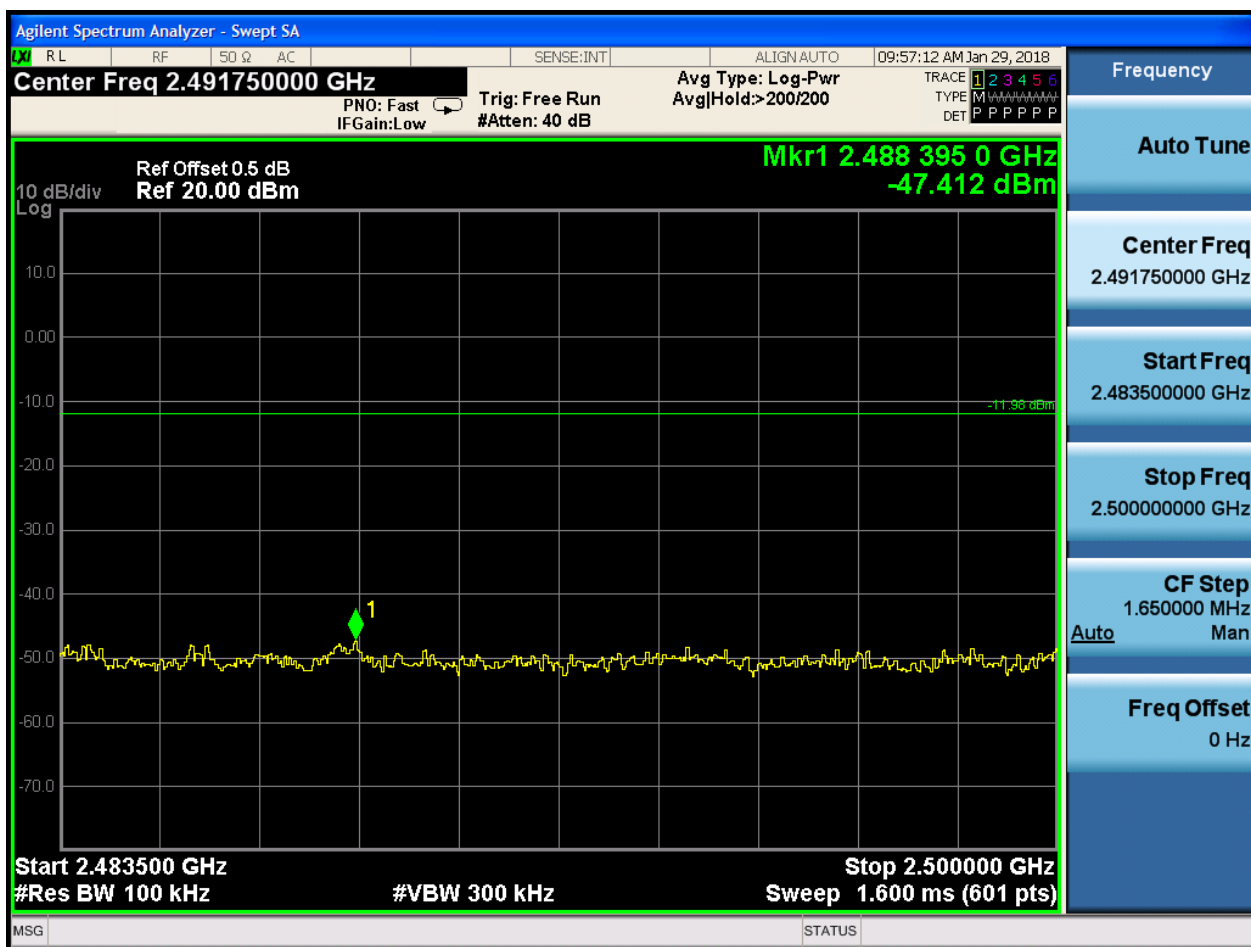
MSG STATUS ⚠ DC Coupled

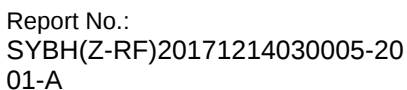
Frequency
Auto Tune
Center Freq 79.500 kHz
Start Freq 9.000 kHz
Stop Freq 150.000 kHz
CF Step 14.100 kHz Man
Freq Offset 0 Hz







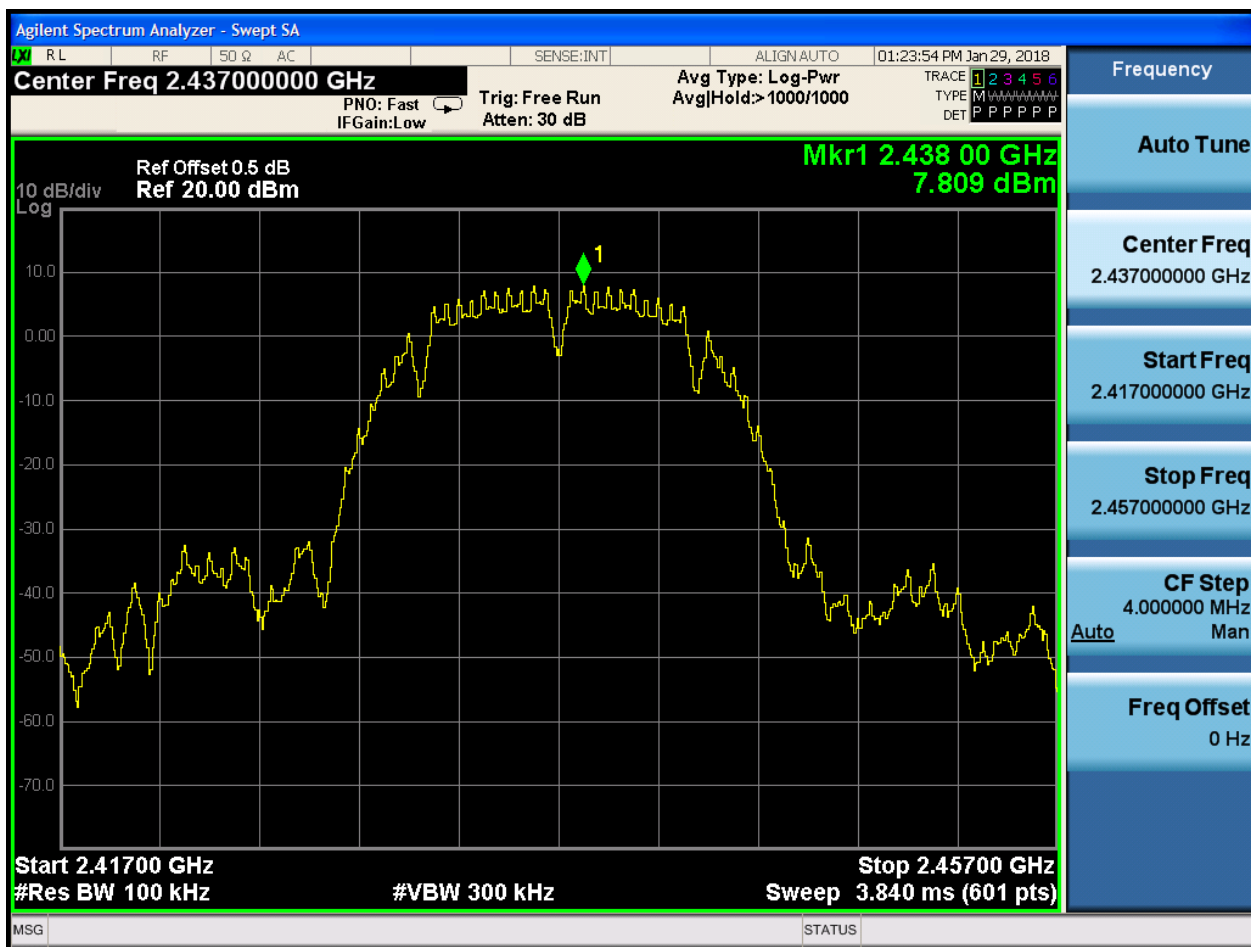






2.4 11B_M@Ant 2

Pref:





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN:AUTO 01:24:09 PM Jan 29, 2018

Center Freq 79.500 kHz Avg Type: Log-Pwr
PNO: Wide IFGain:Low Trig: Free Run #Atten: 26 dB
TYPE M DET P P P P P

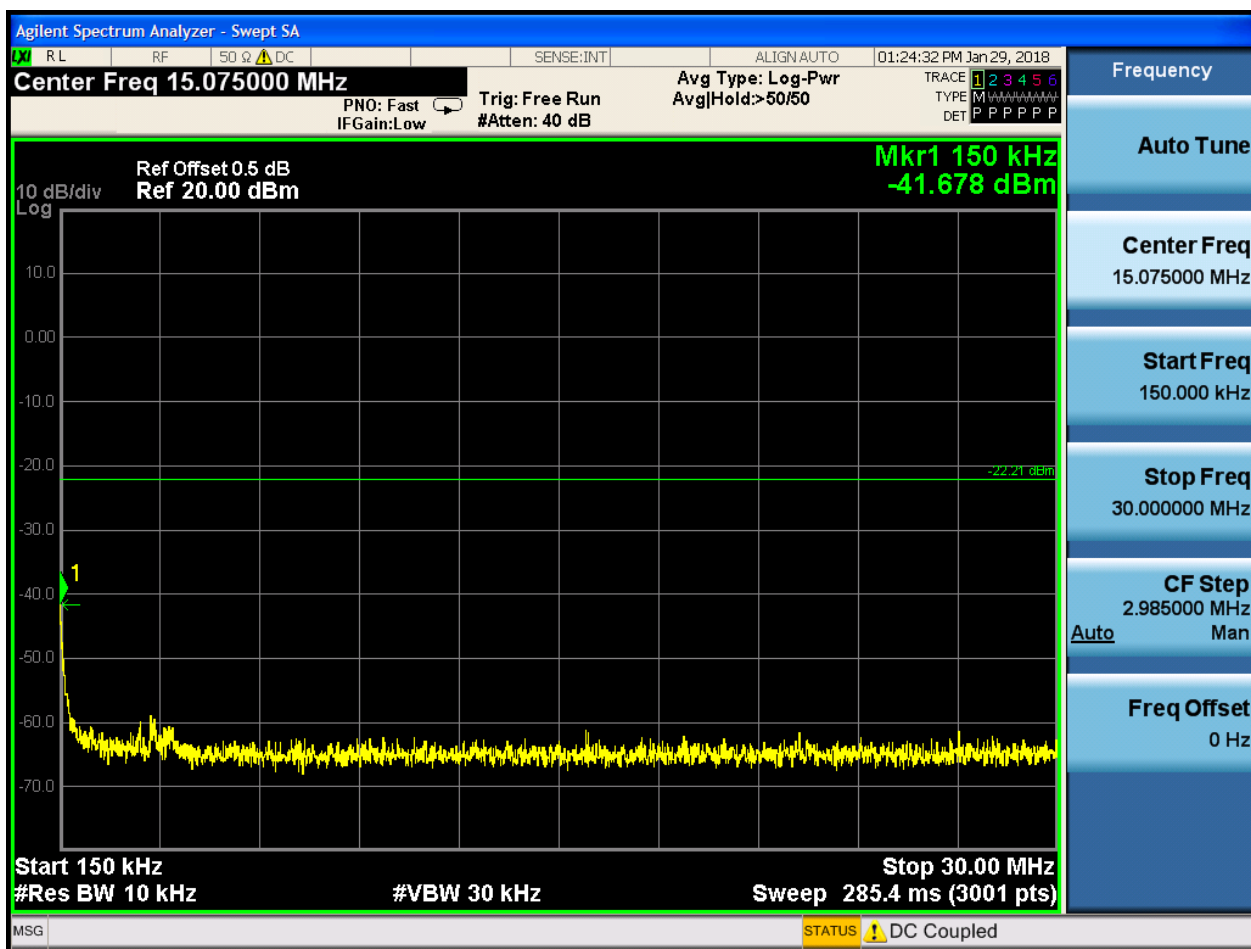
Ref Offset 0.5 dB Ref 0.00 dBm

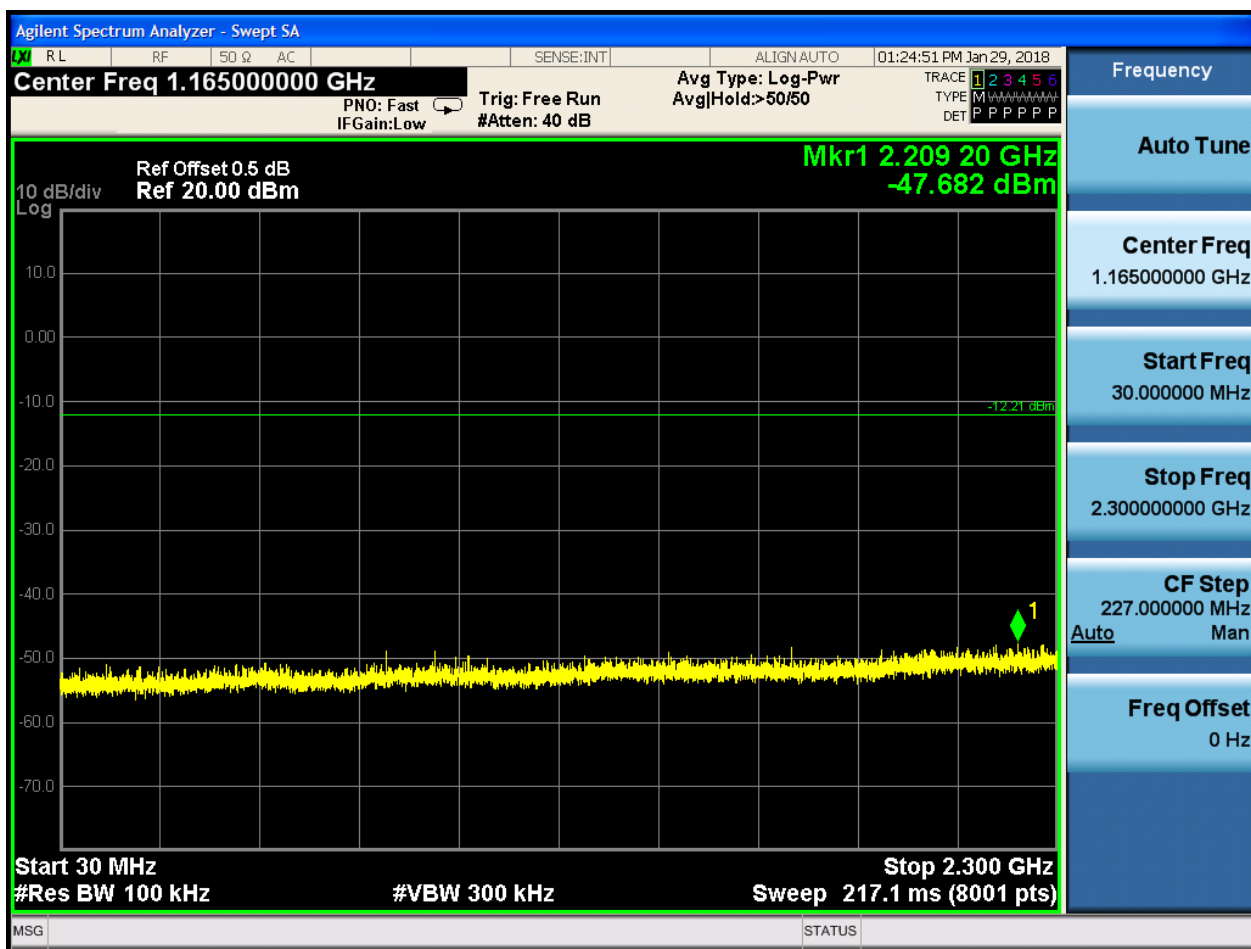
Mkr1 9.940 kHz
-53.727 dBm

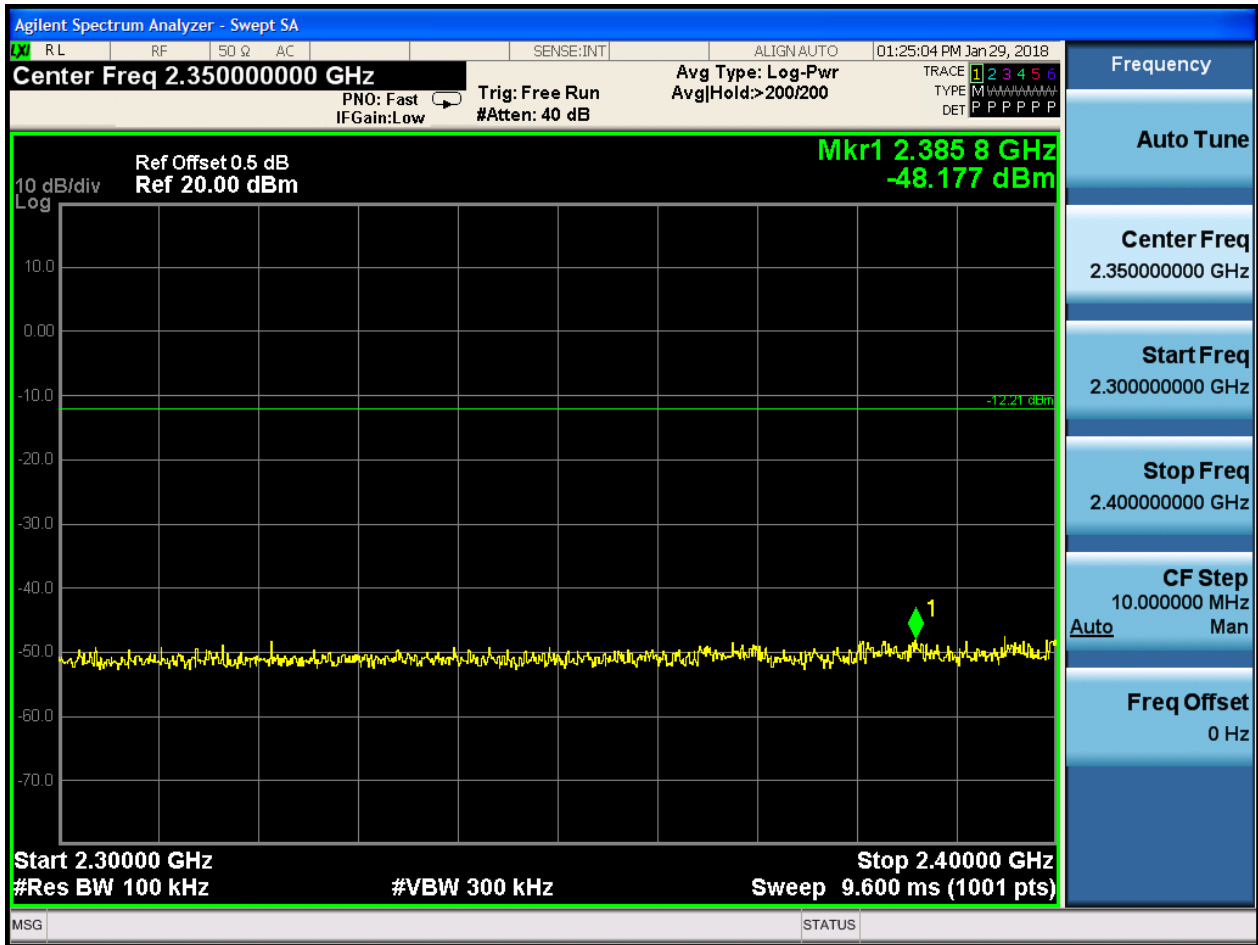
Start 9.00 kHz Stop 150.00 kHz
#Res BW 1.0 kHz #VBW 3.0 kHz Sweep 134.8 ms (601 pts)

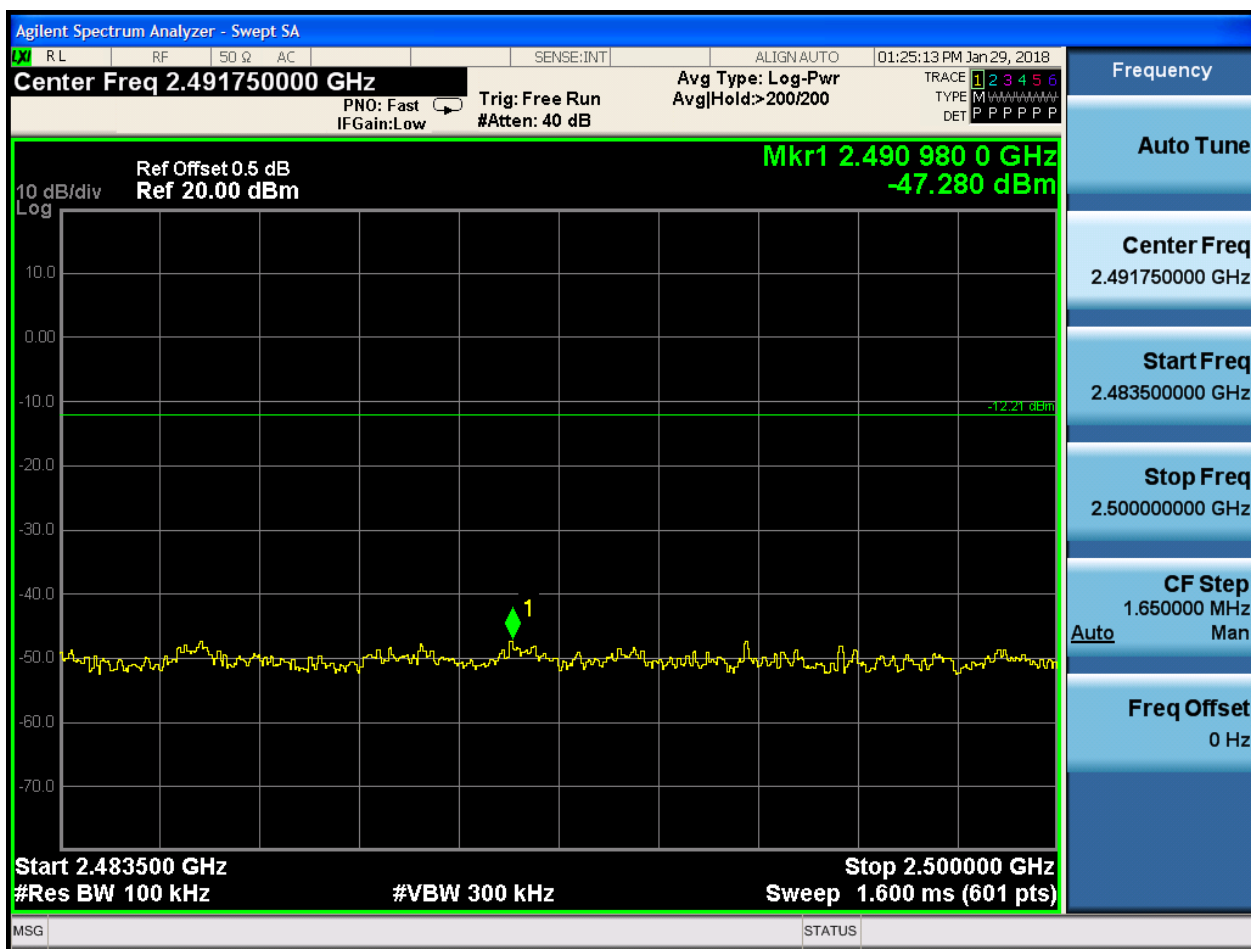
MSG STATUS ⚠ DC Coupled

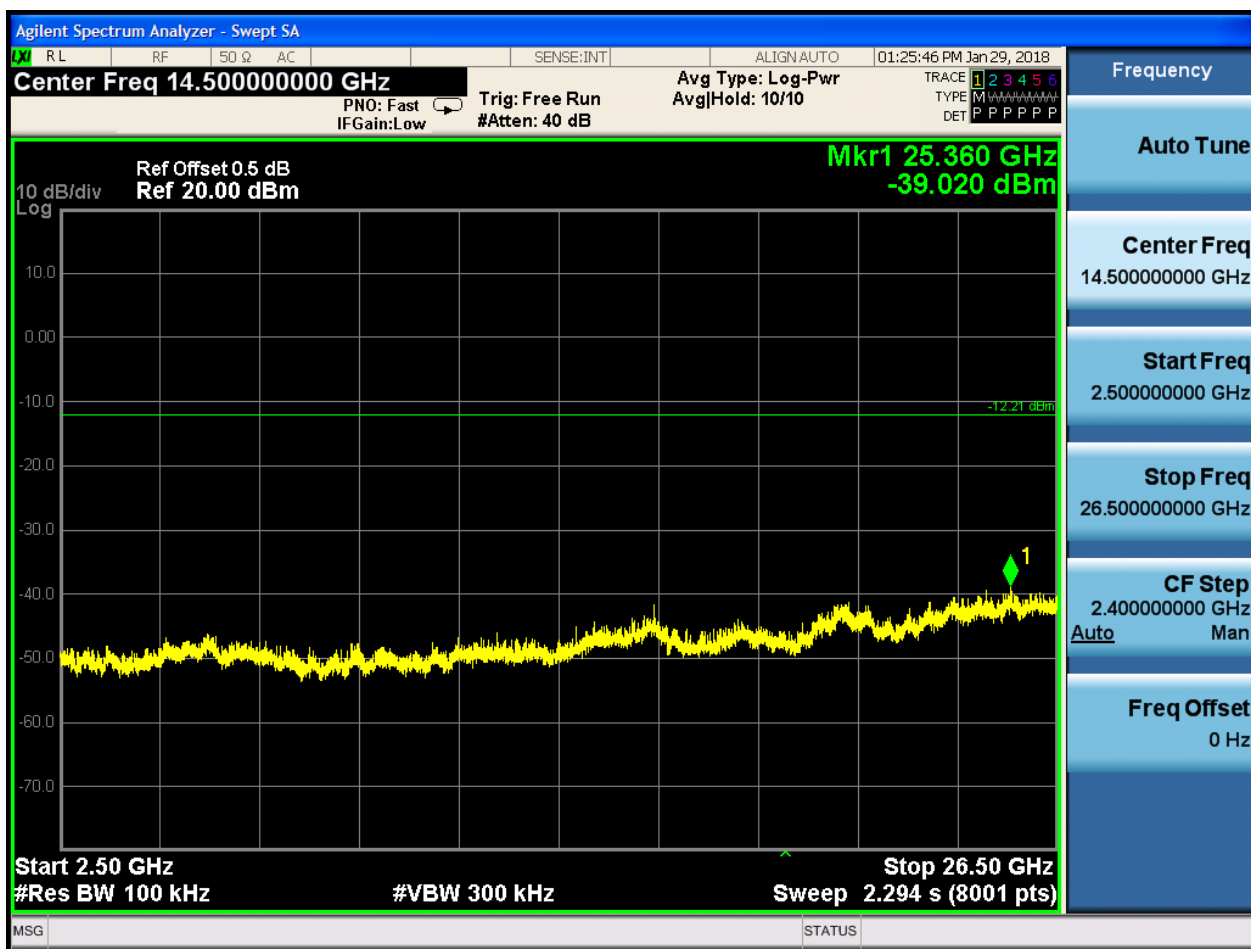
Frequency
Auto Tune
Center Freq 79.500 kHz
Start Freq 9.000 kHz
Stop Freq 150.000 kHz
CF Step 14.100 kHz Man
Freq Offset 0 Hz







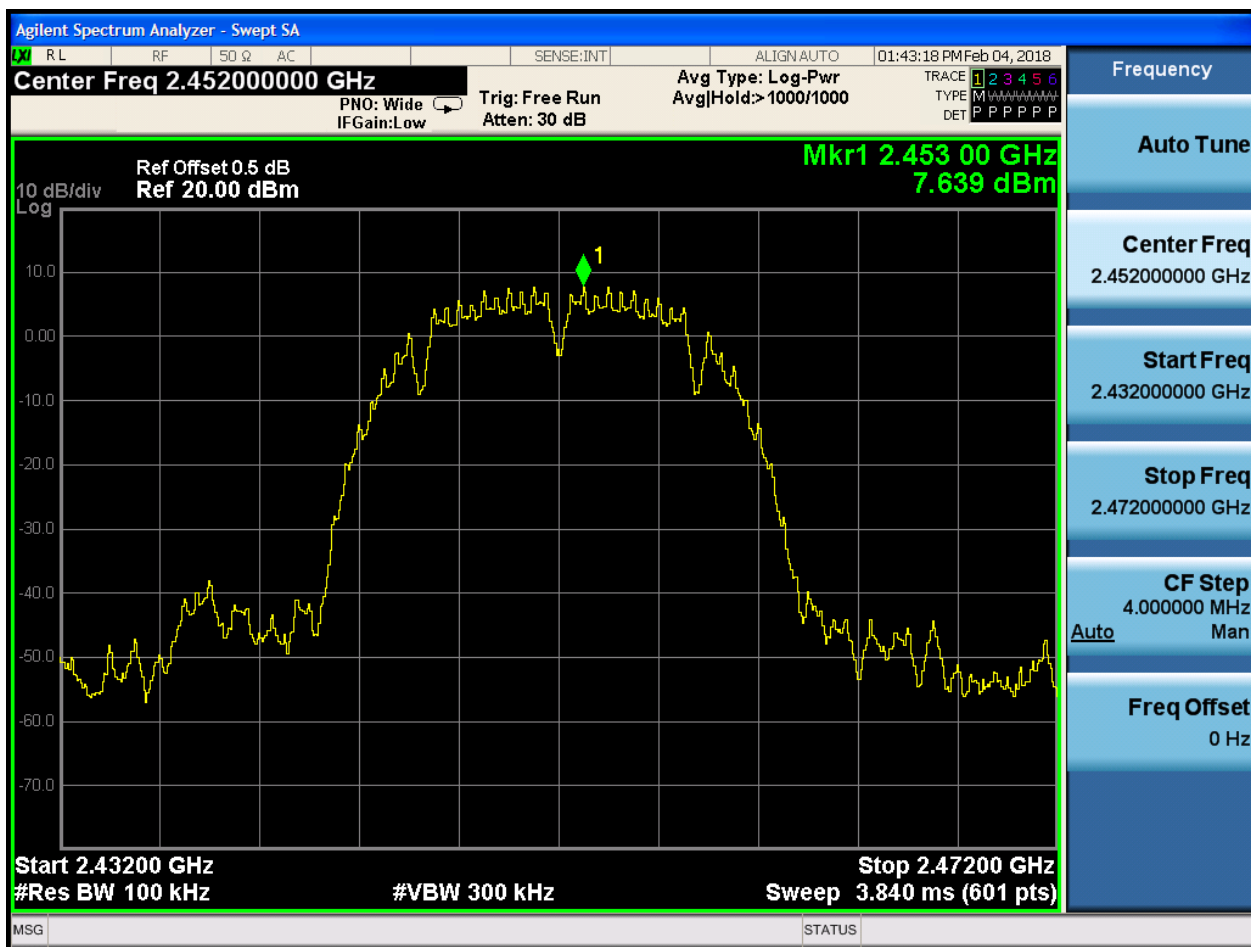






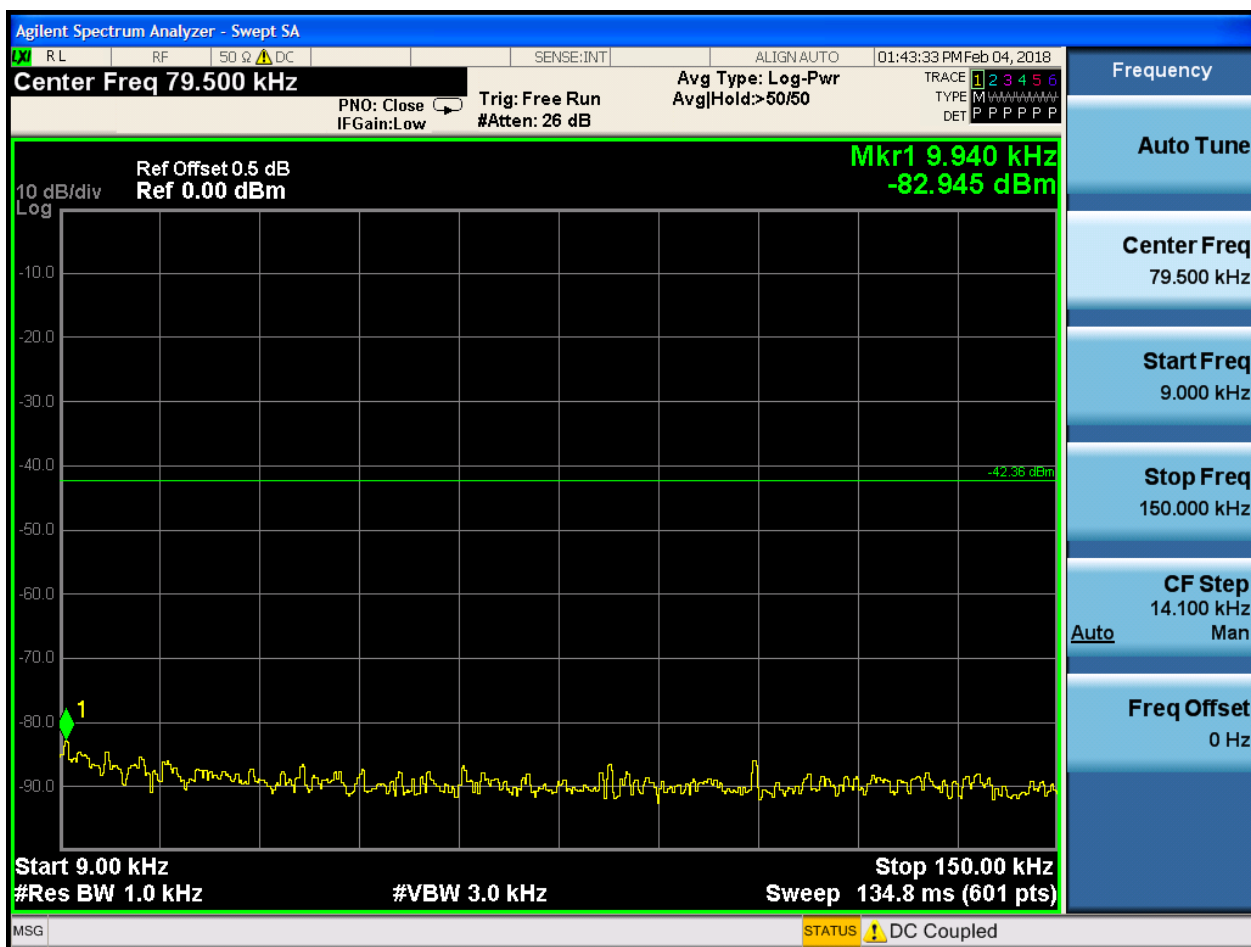
2.5 11B_H_2452@Ant 1

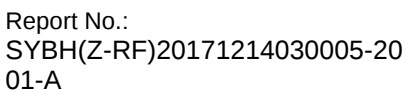
Pref:



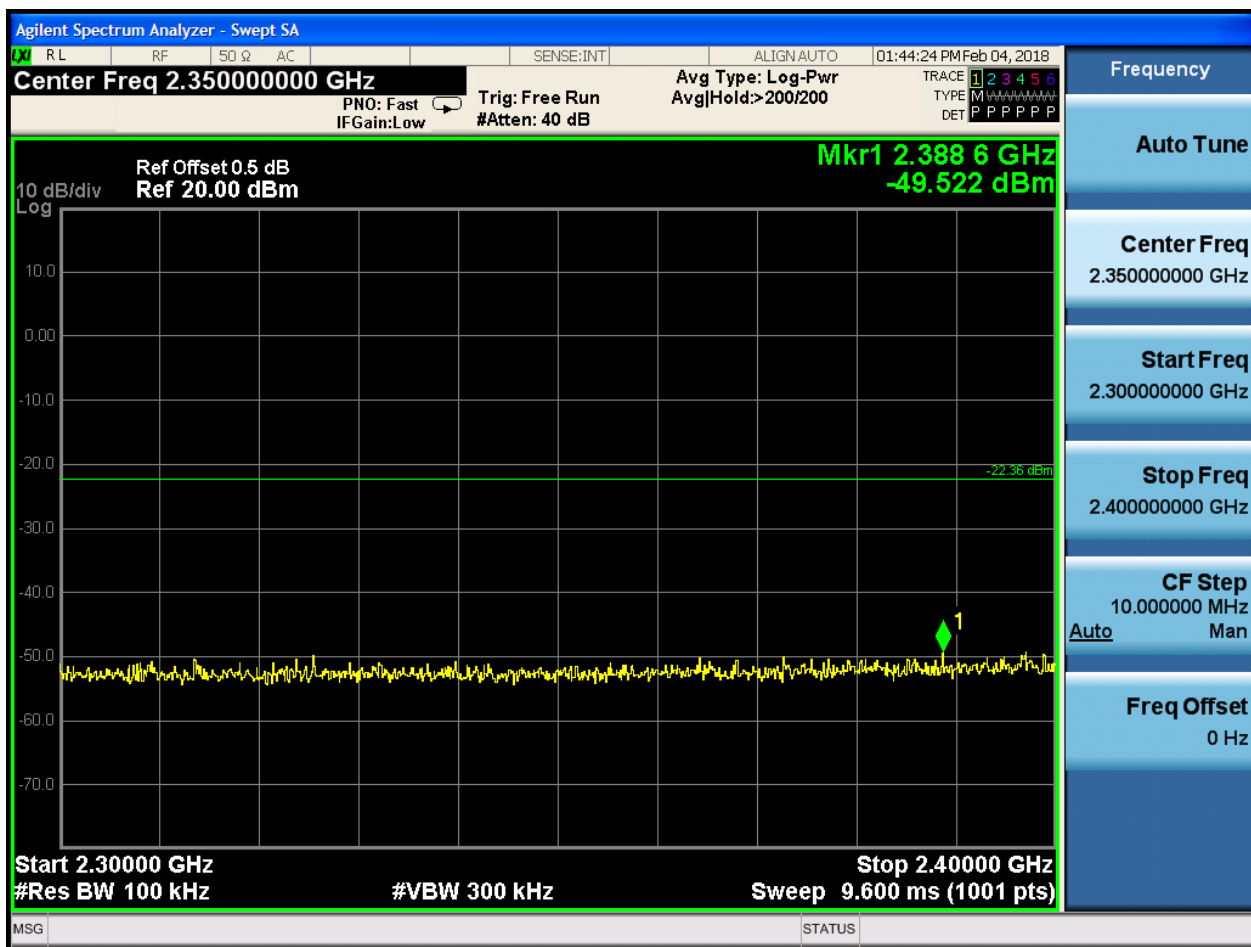


Puw:













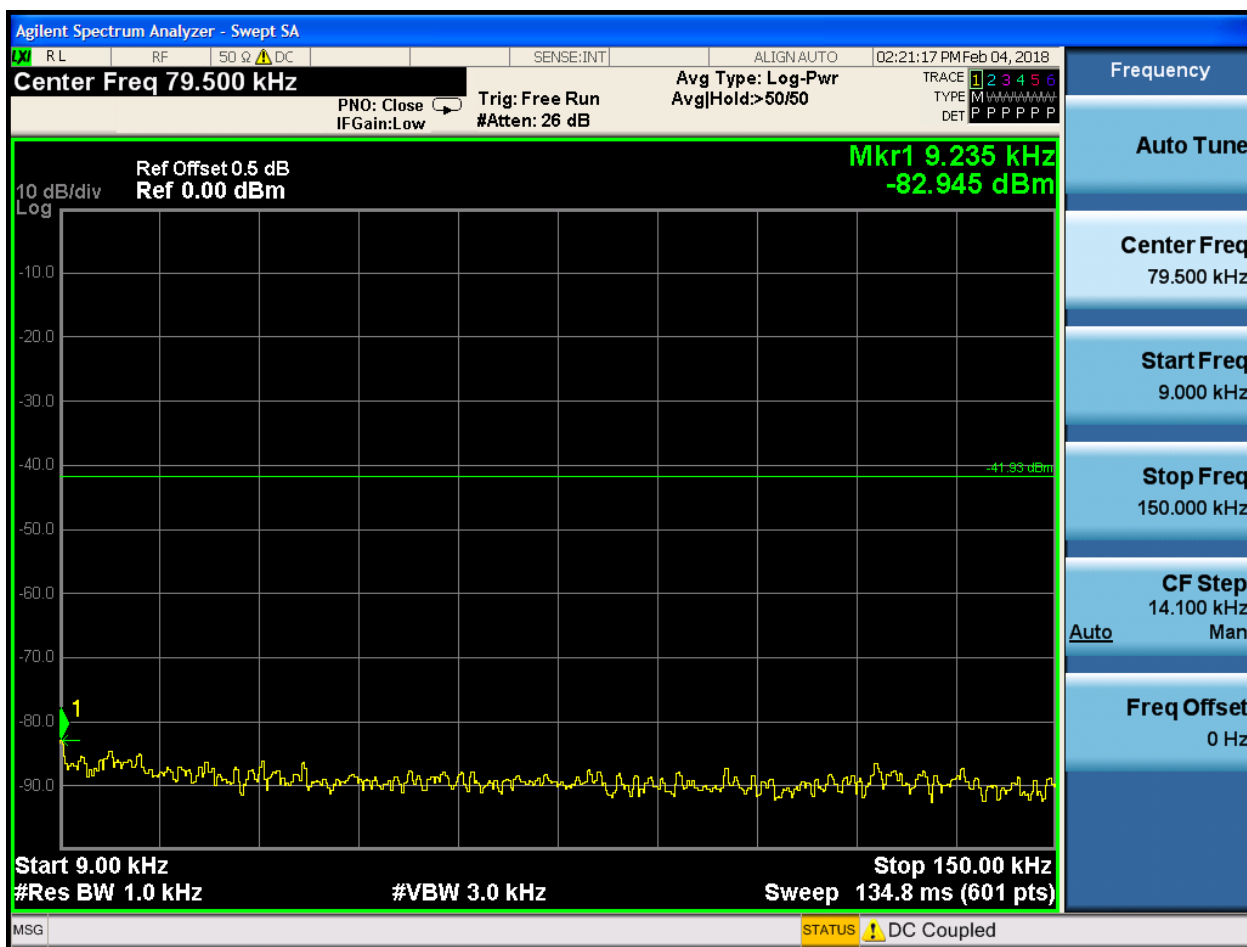


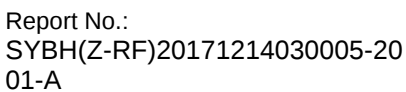
Pref:



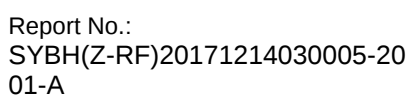


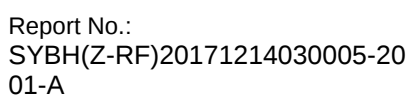
Puw:















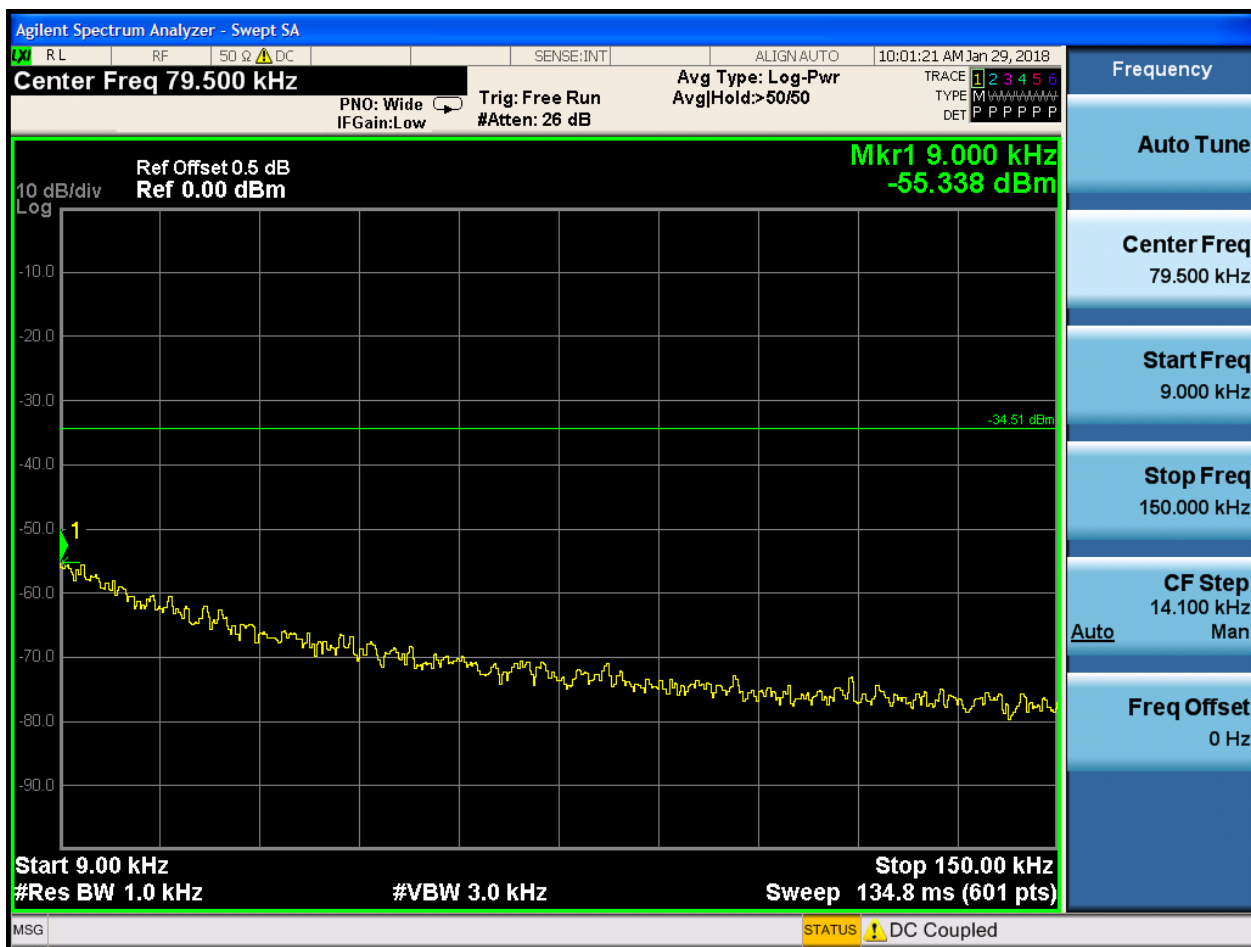
2.7 11B_H_2462@Ant 1

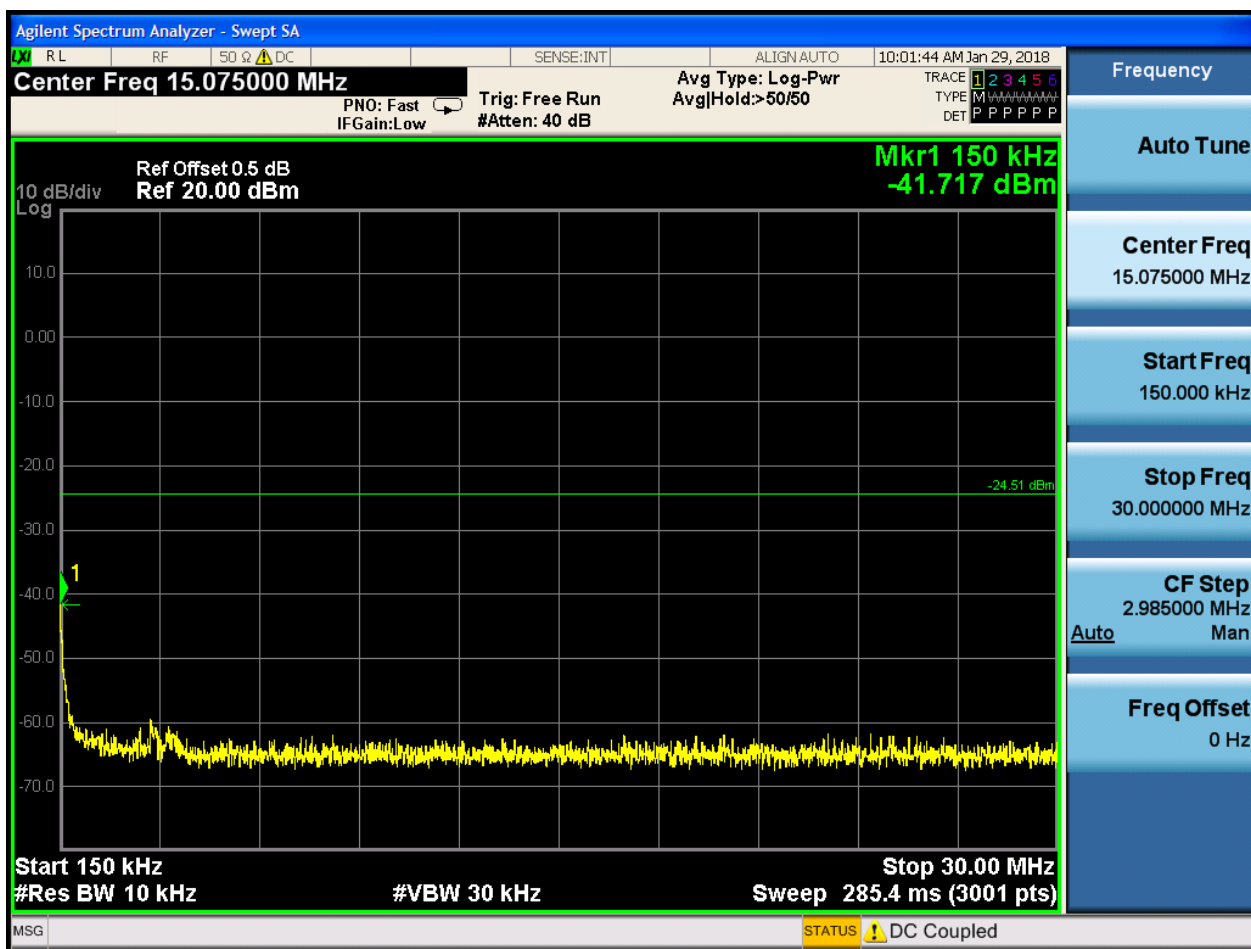
Pref:

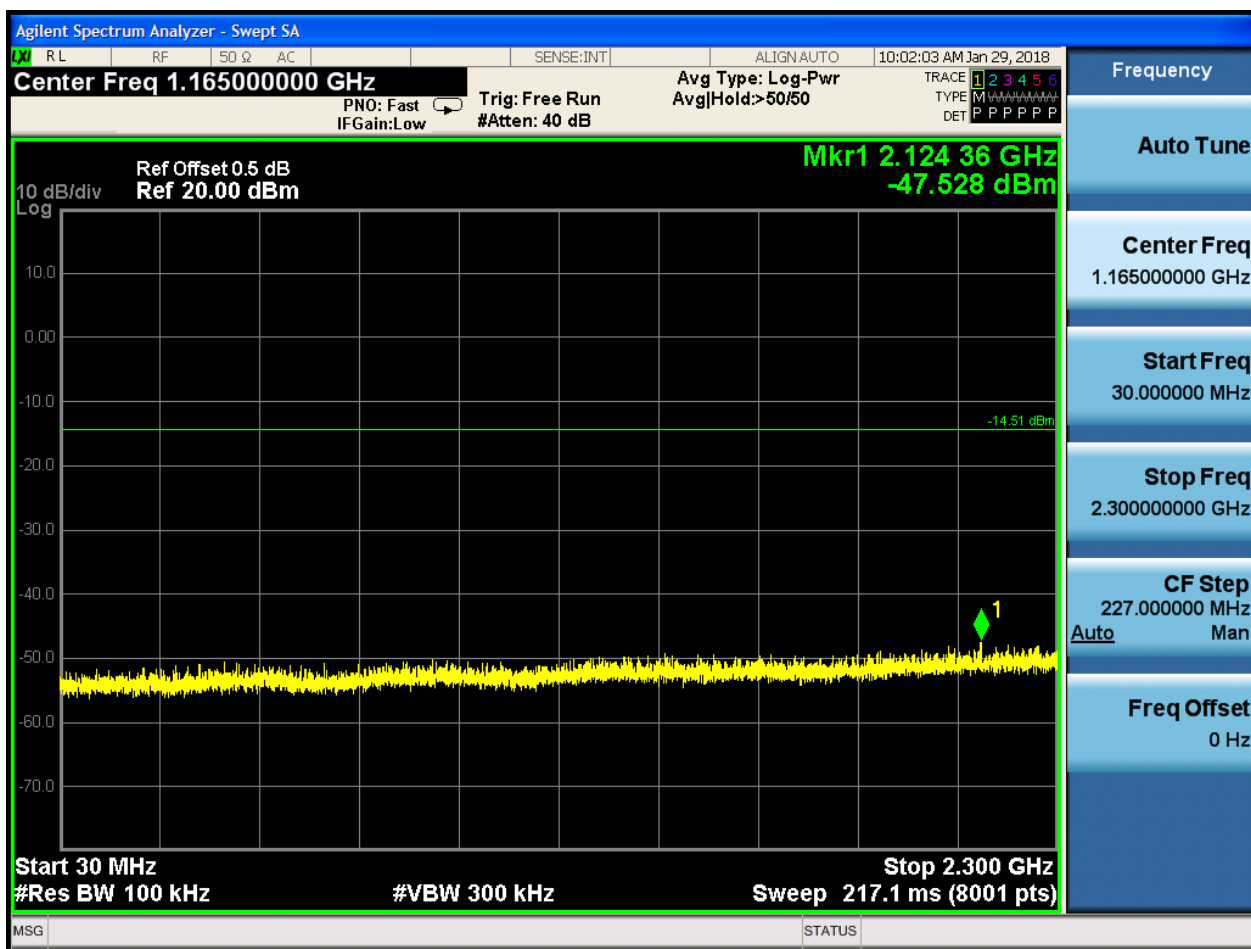


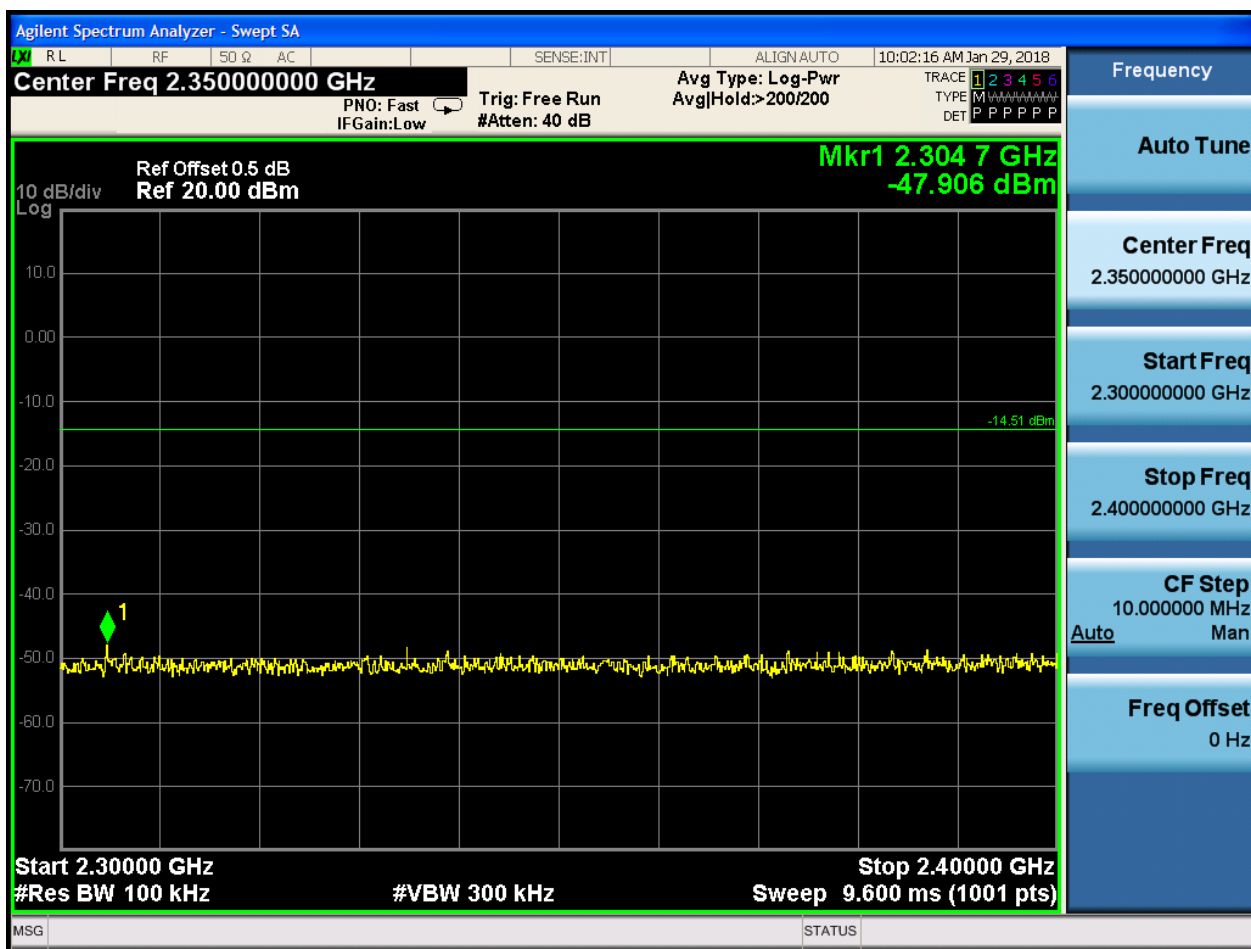


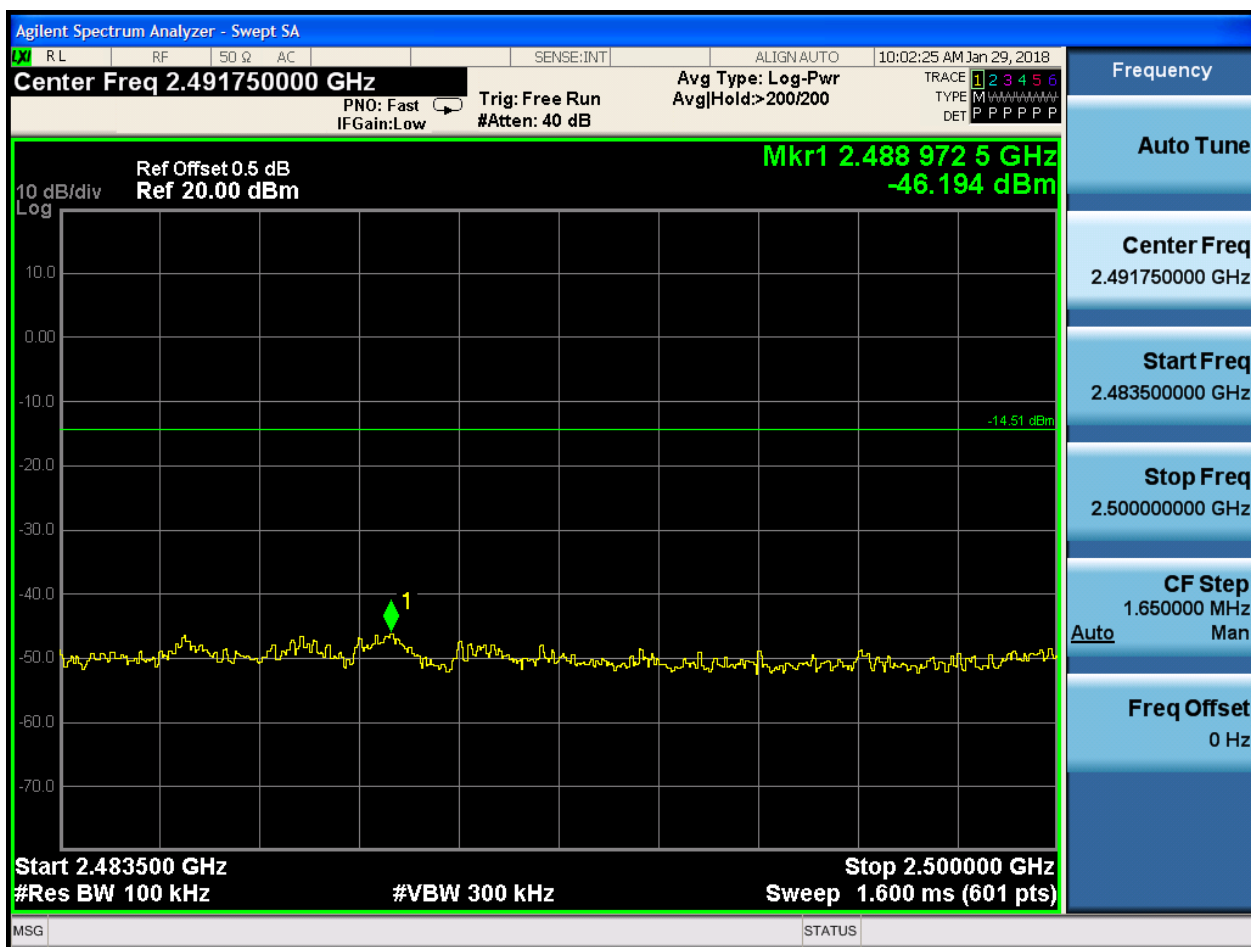
Puw:

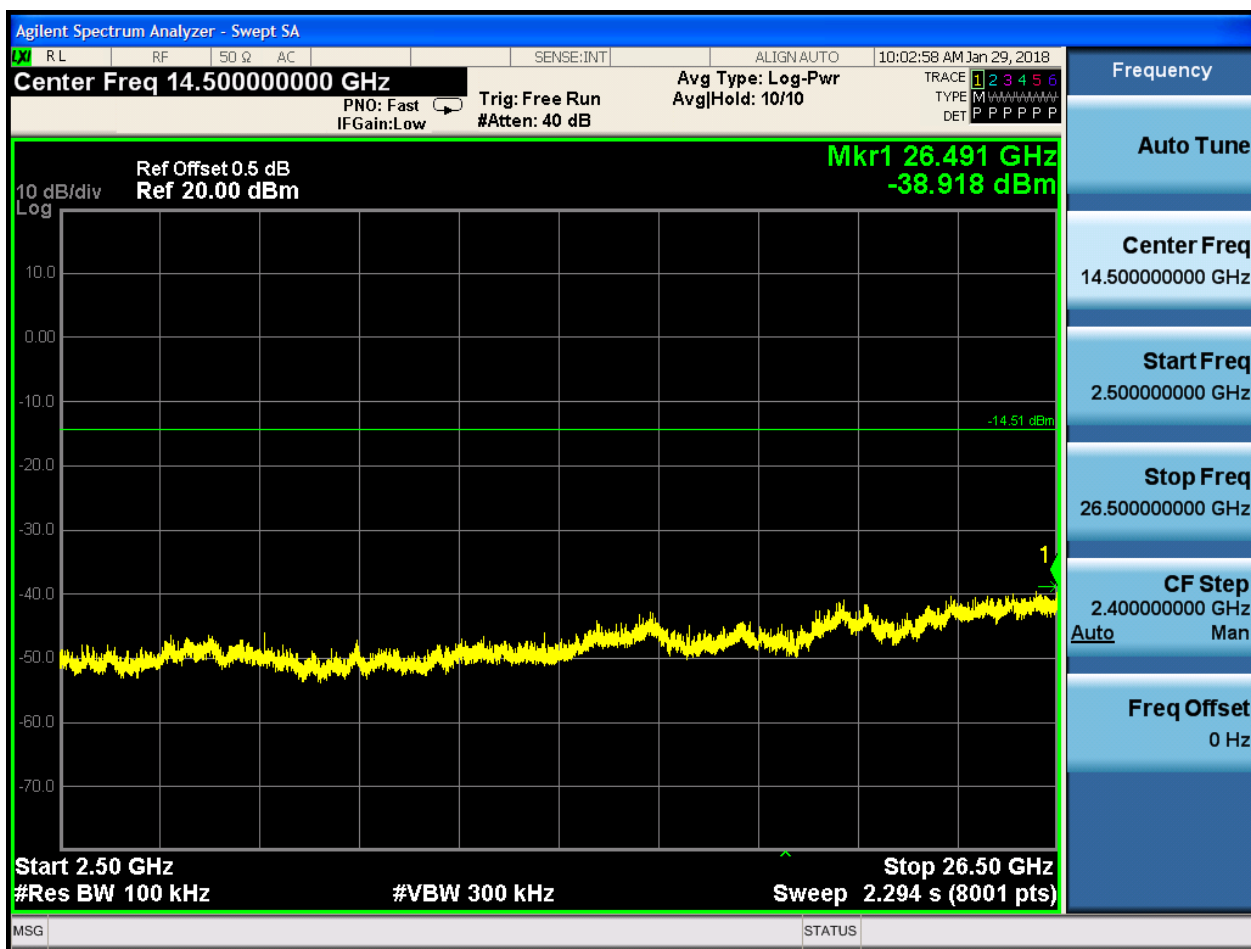














2.8 11B_H_2462@Ant 2

Pref:





Agilent Spectrum Analyzer - Swept SA

Center Freq 79.500 kHz

Ref Offset 0.5 dB
Ref 0.00 dBm

10 dB/div
Log

Mkr1 11.350 kHz
-54.500 dBm

Start 9.00 kHz
#Res BW 1.0 kHz

Stop 150.00 kHz
#VBW 3.0 kHz
Sweep 134.8 ms (601 pts)

Trig: Free Run
#Atten: 26 dB

Avg Type: Log-Pwr
Avg/Hold: >50/50

TRACE 1 2 3 4 5 6
TYPE M
DET P P P P P P

Frequency

Auto Tune

Center Freq
79.500 kHz

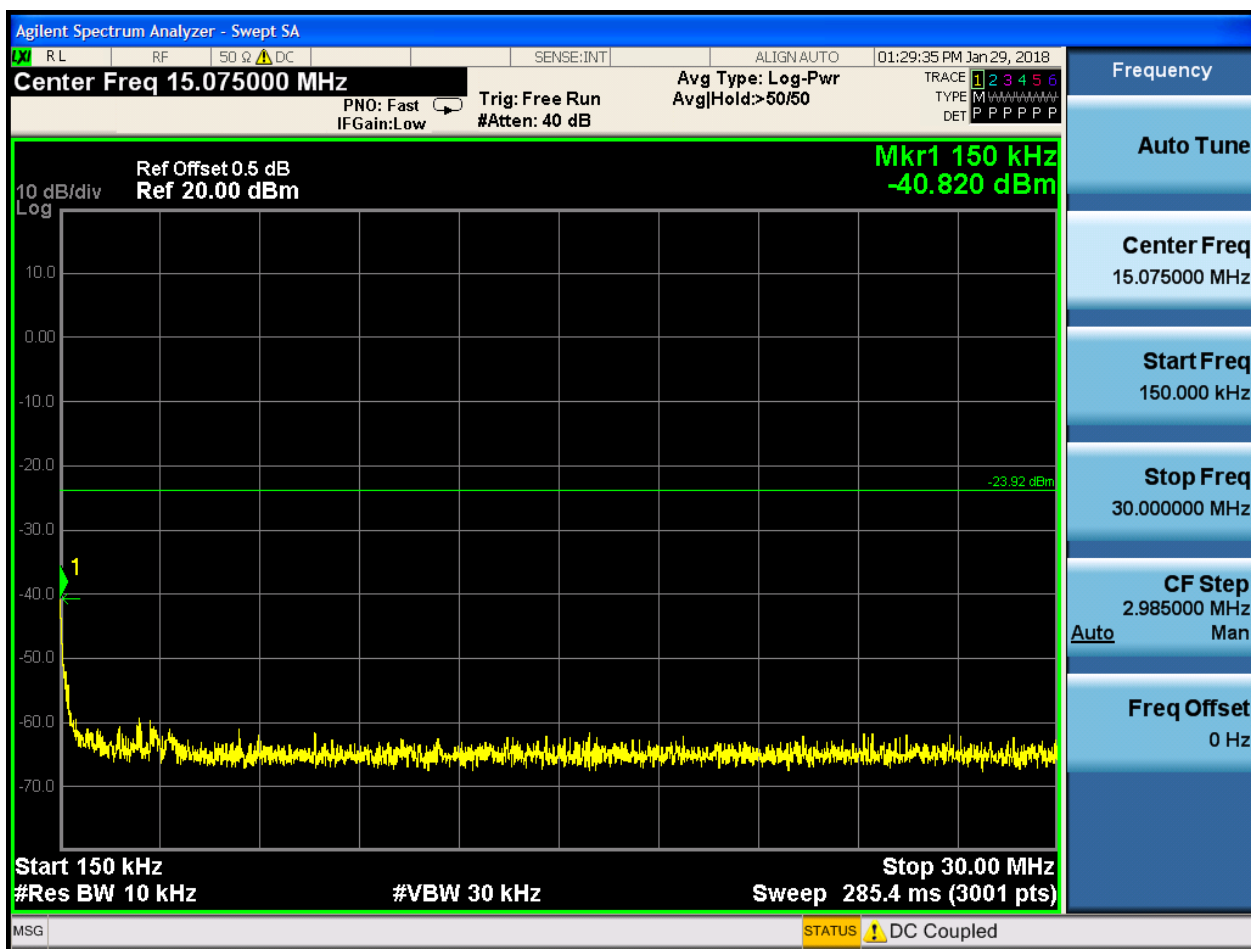
Start Freq
9.000 kHz

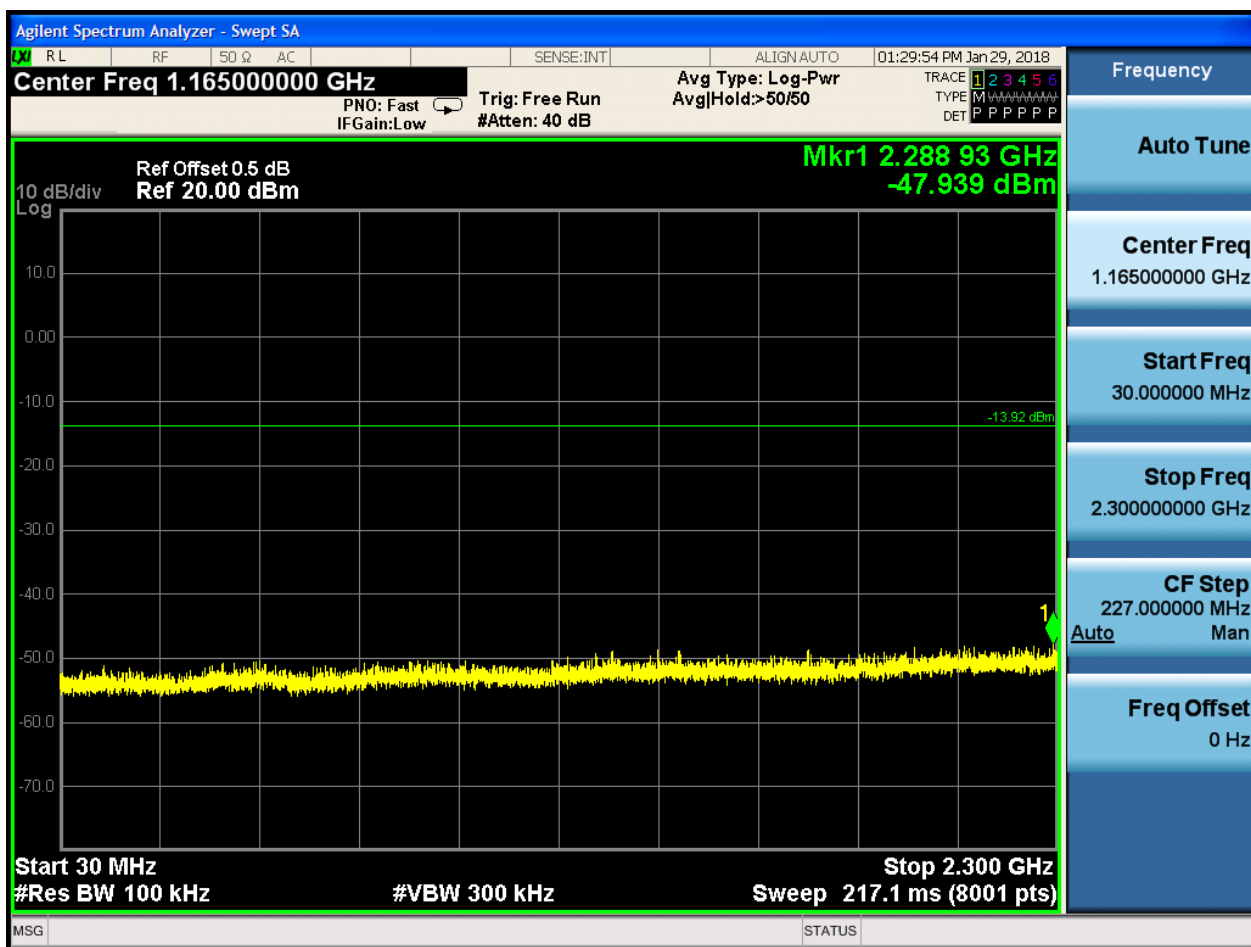
Stop Freq
150.000 kHz

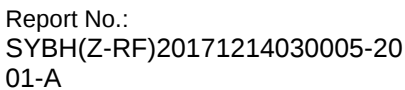
CF Step
14.100 kHz
Man

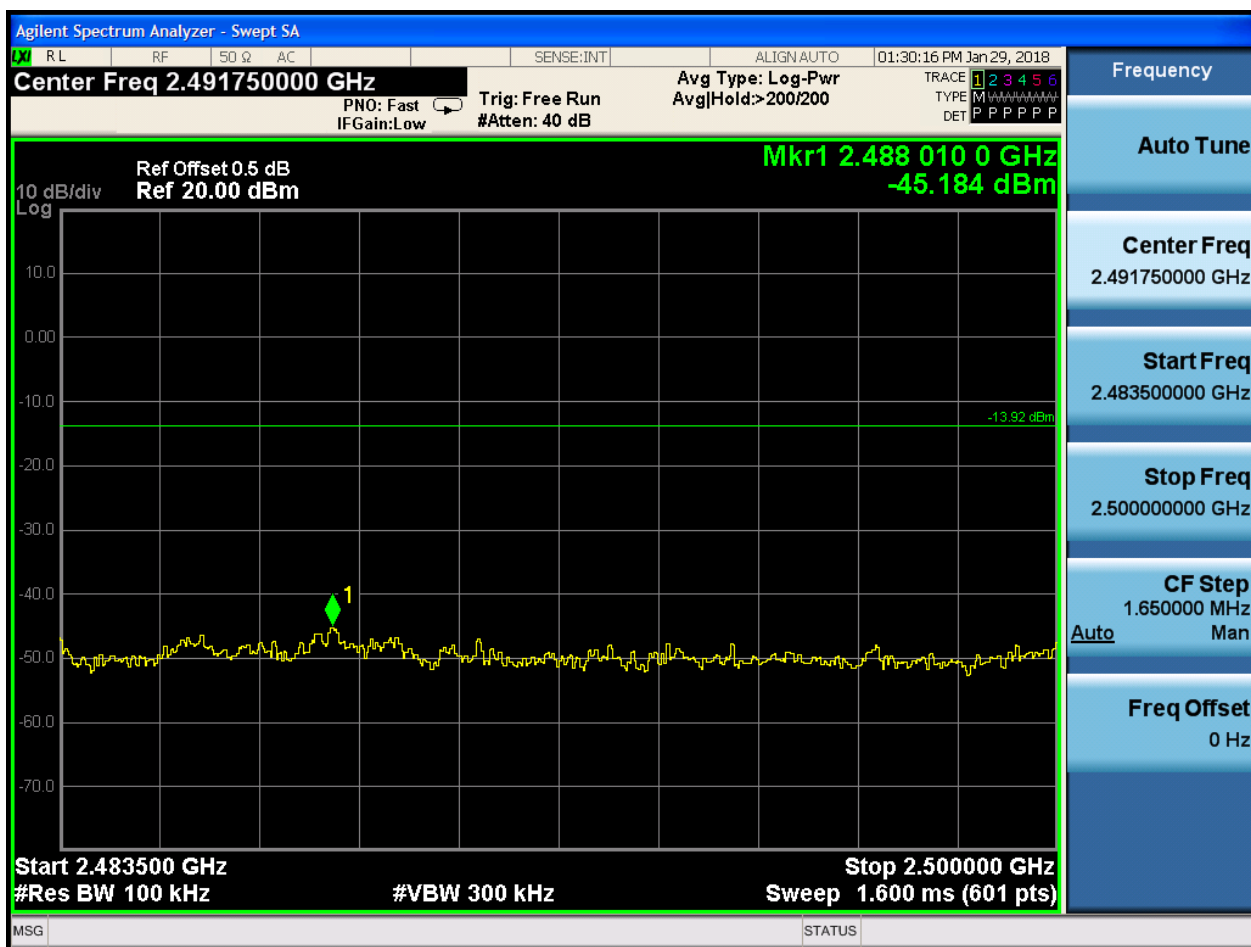
Auto

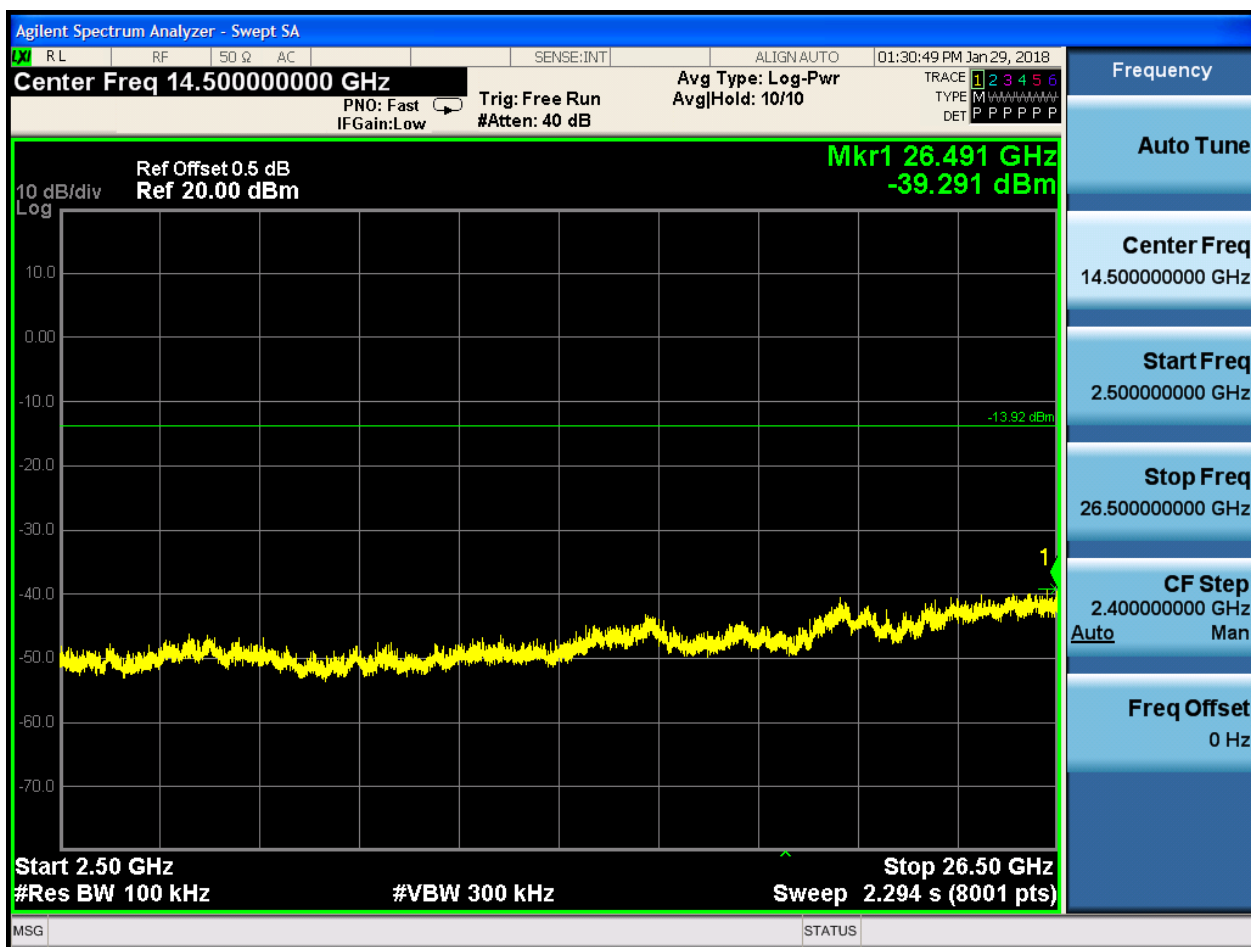
Freq Offset
0 Hz







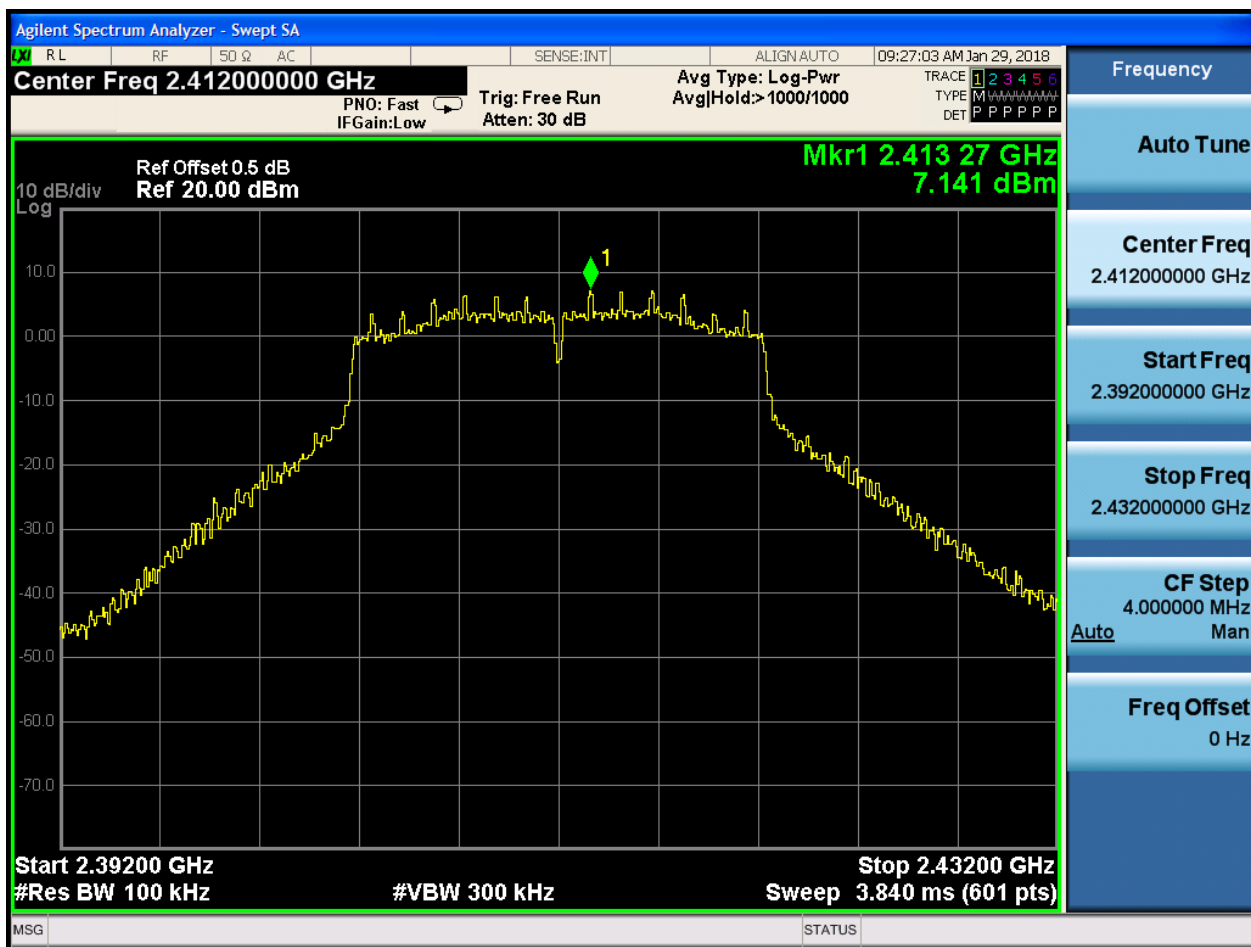






2.9 11G_L@Ant 1

Pref:





Agilent Spectrum Analyzer - Swept SA

R L RF 50 Ω DC SENSE:INT ALIGN:AUTO 09:27:18 AM Jan 29, 2018

Center Freq 79.500 kHz

PNO: Wide IFGain:Low Trig: Free Run #Atten: 26 dB Avg Type: Log-Pwr Avg/Hold:>50/50

TRACE TYPE DET 1 2 3 4 5 6 M U V W X Y Z P P P P P P

Ref Offset 0.5 dB Ref 0.00 dBm **Mkr1 9.940 kHz -54.044 dBm**

10 dB/div Log

The spectrum plot shows a noisy baseline starting at approximately -55 dBm at 9.00 kHz and decreasing to about -75 dBm at 150.00 kHz. A yellow marker labeled '1' points to the start frequency.

-32.86 dBm

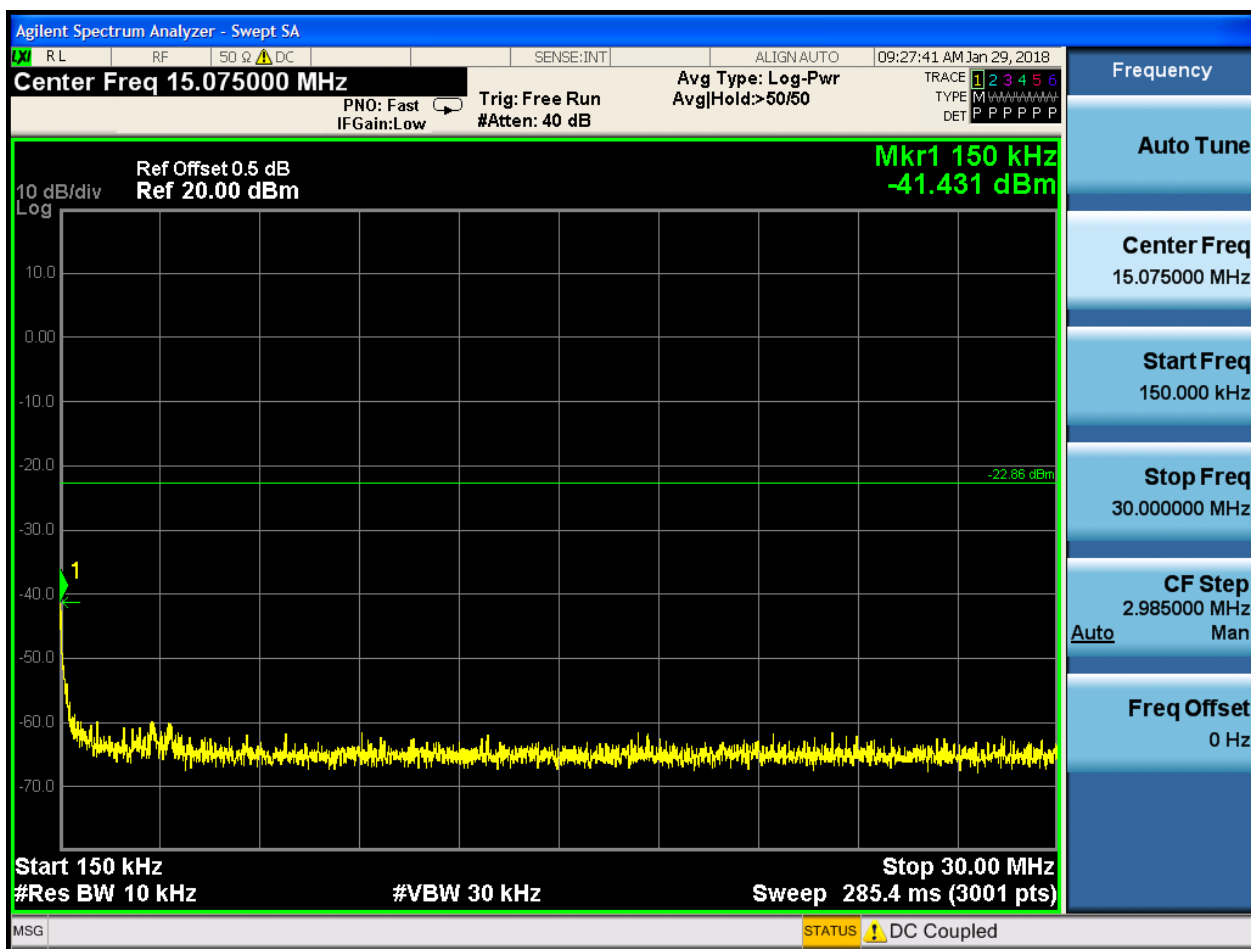
Start 9.00 kHz Stop 150.00 kHz

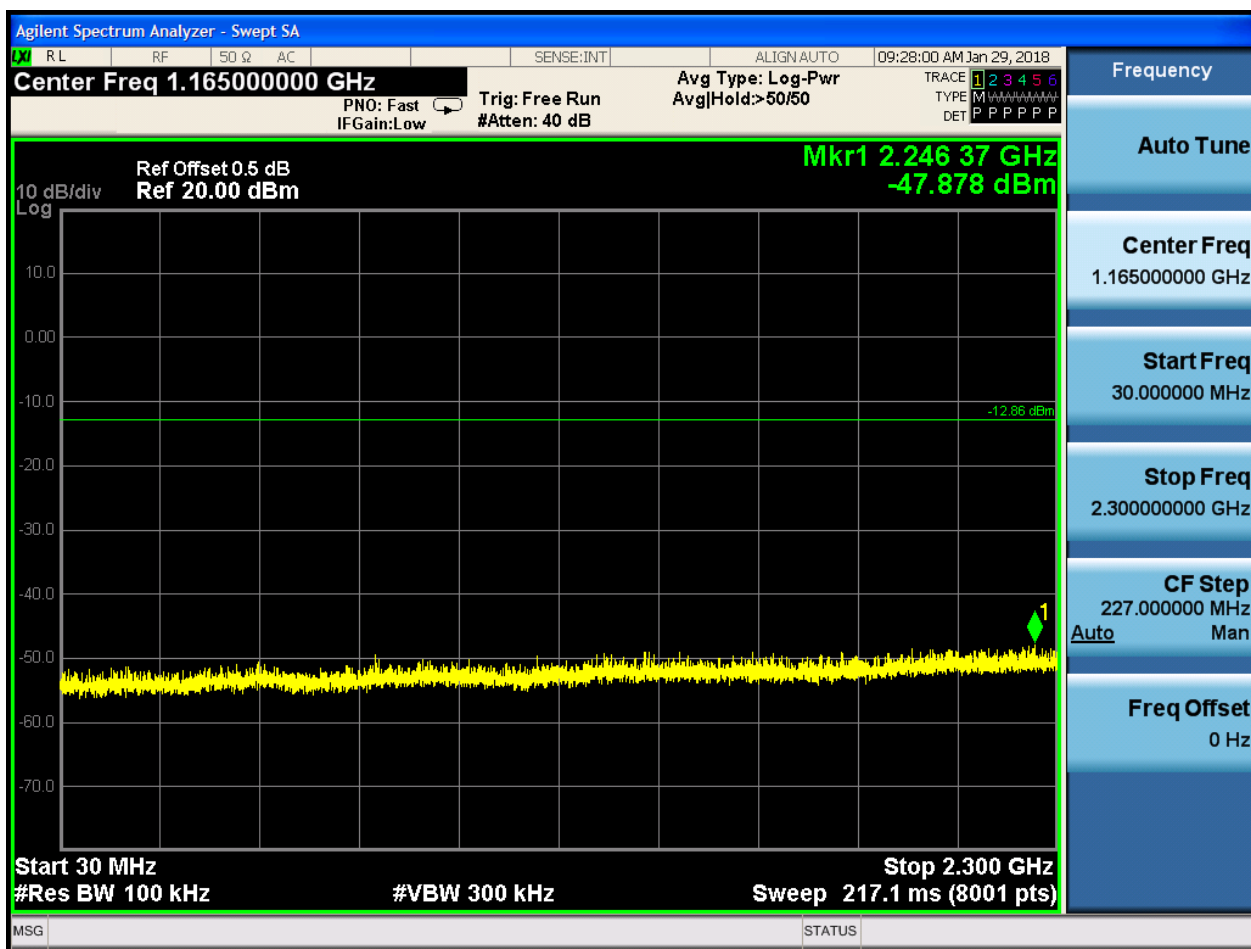
#Res BW 1.0 kHz #VBW 3.0 kHz Sweep 134.8 ms (601 pts)

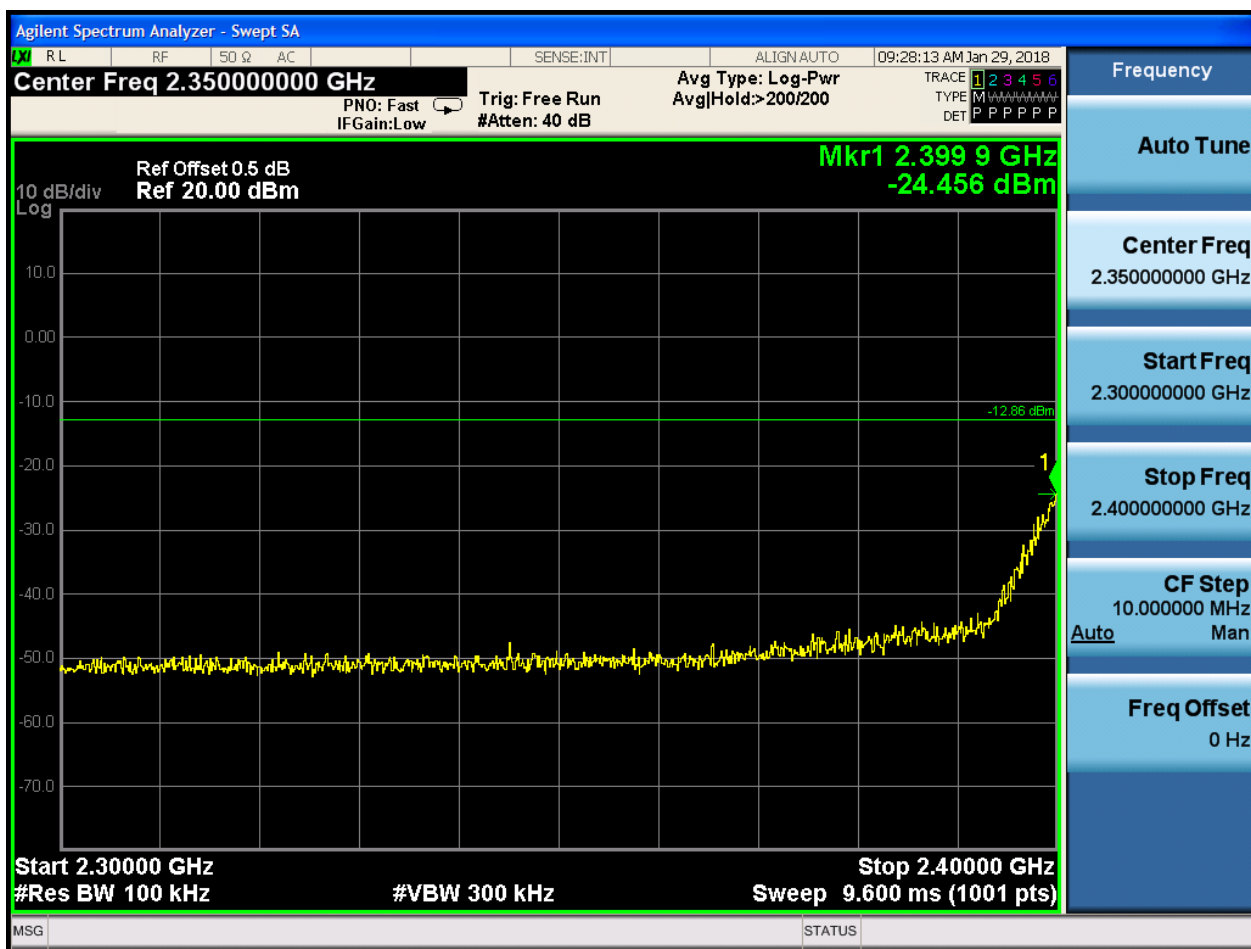
MSG STATUS ⚠️ DC Coupled

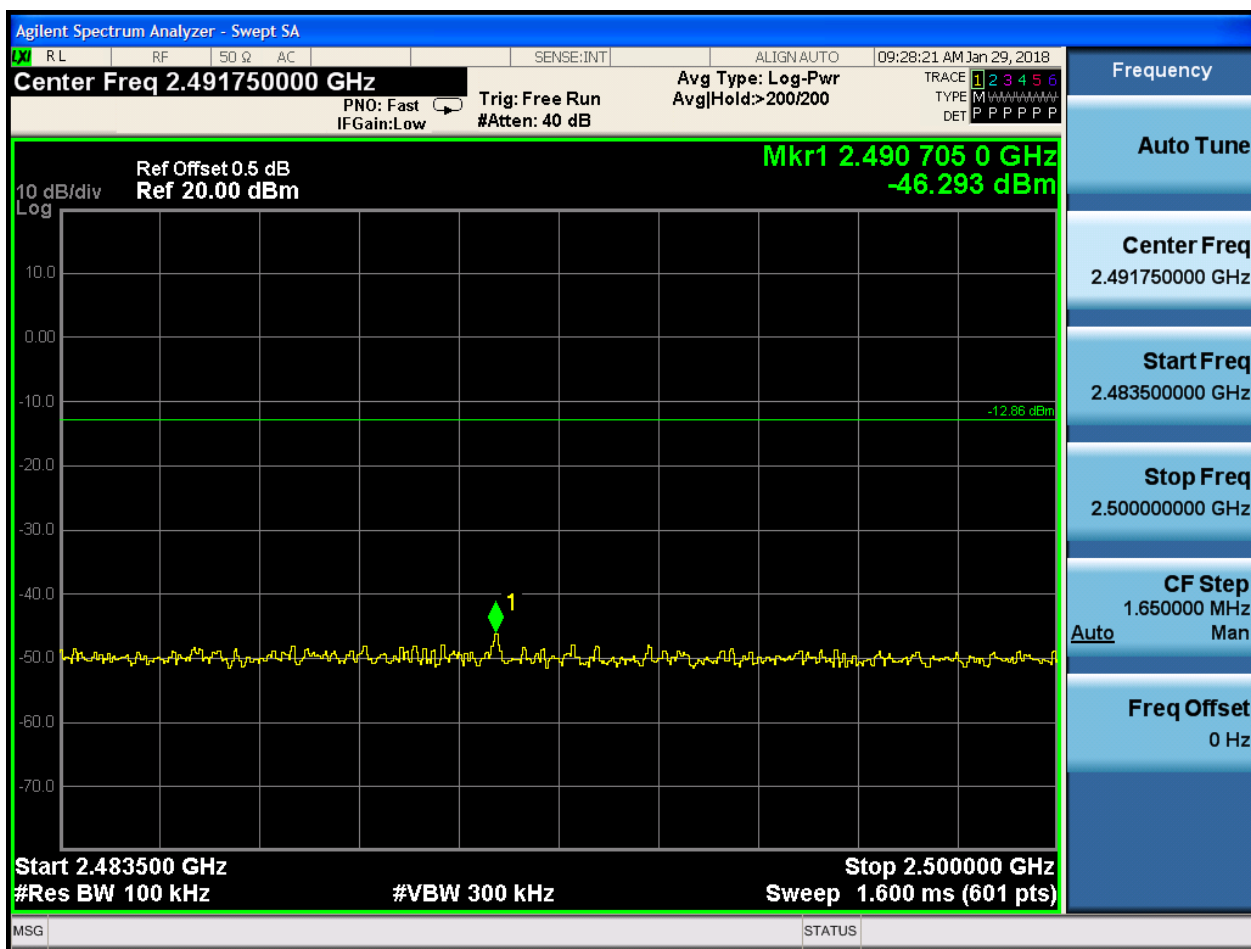
Frequency

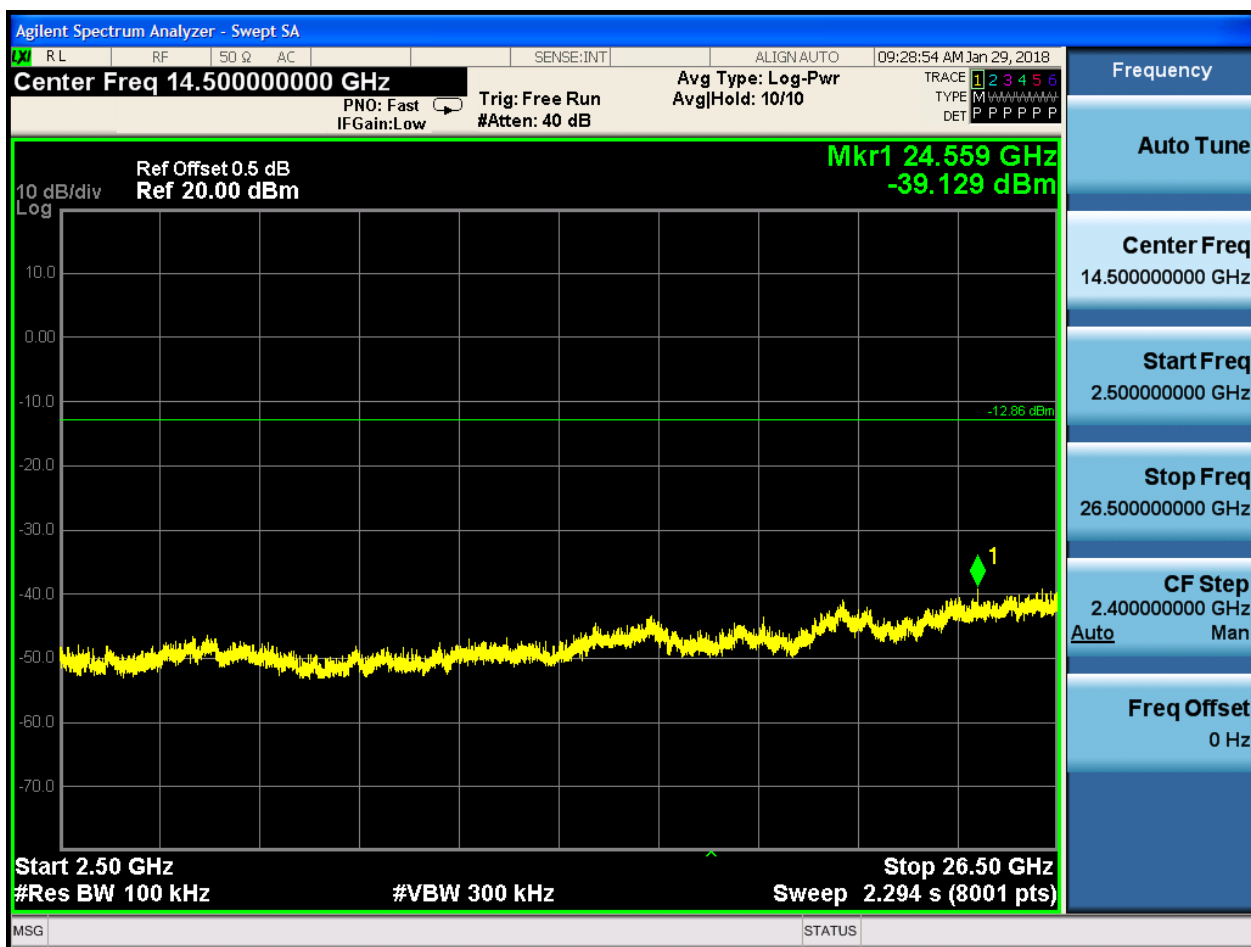
- Auto Tune
- Center Freq 79.500 kHz
- Start Freq 9.000 kHz
- Stop Freq 150.000 kHz
- CF Step 14.100 kHz Man
- Freq Offset 0 Hz













2.10 11G_L@Ant 2

Pref:

