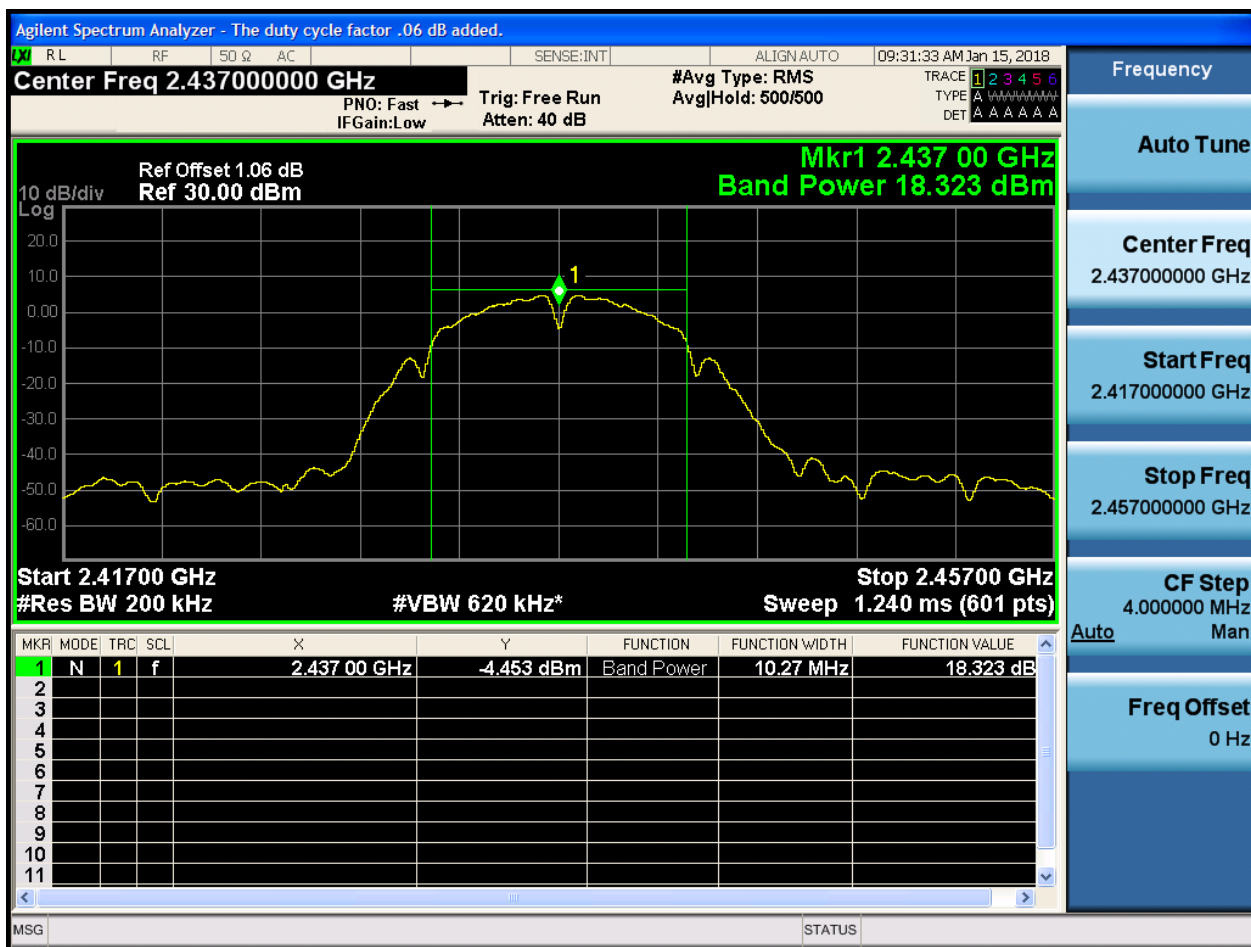


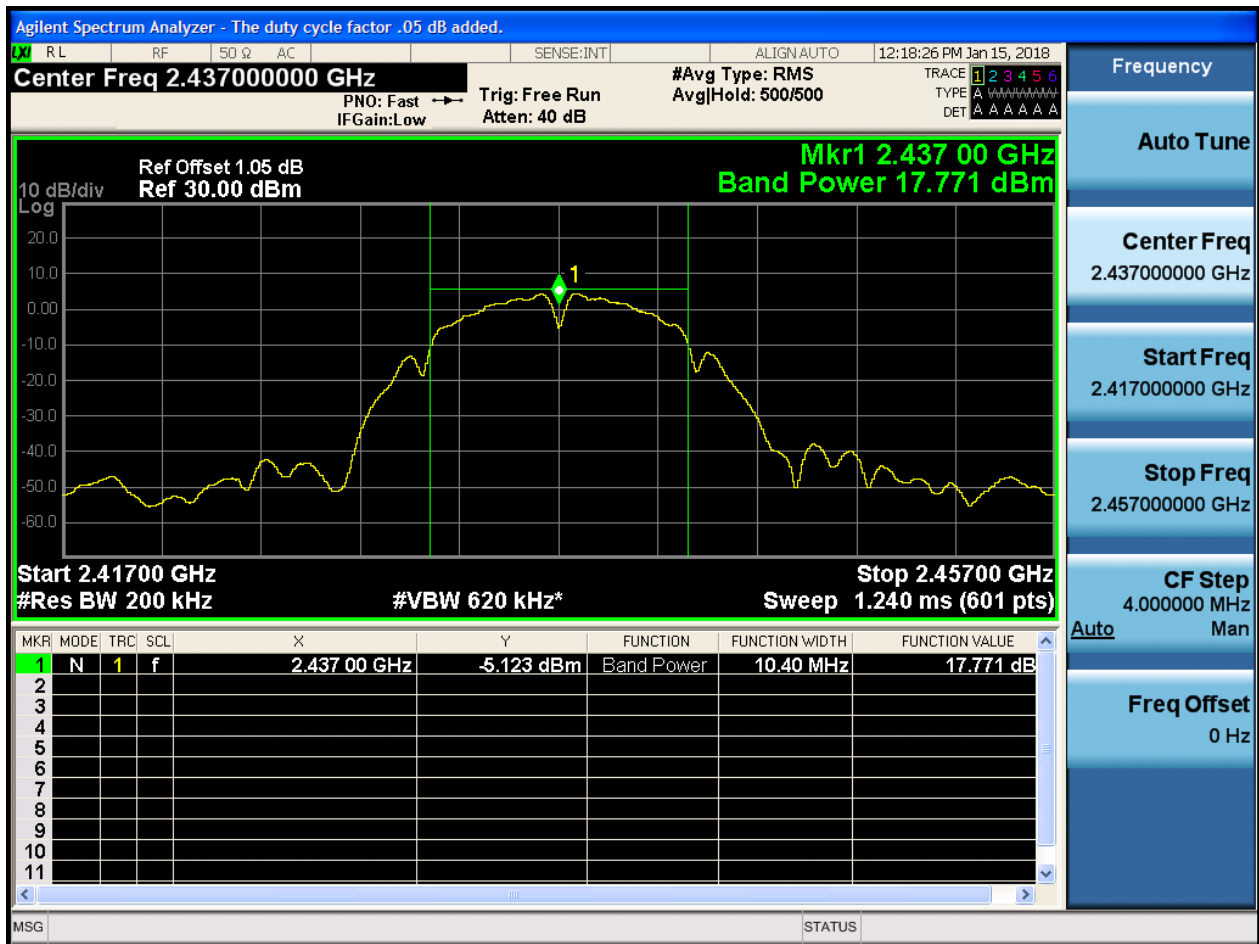


2.3 11B_M@Ant 1



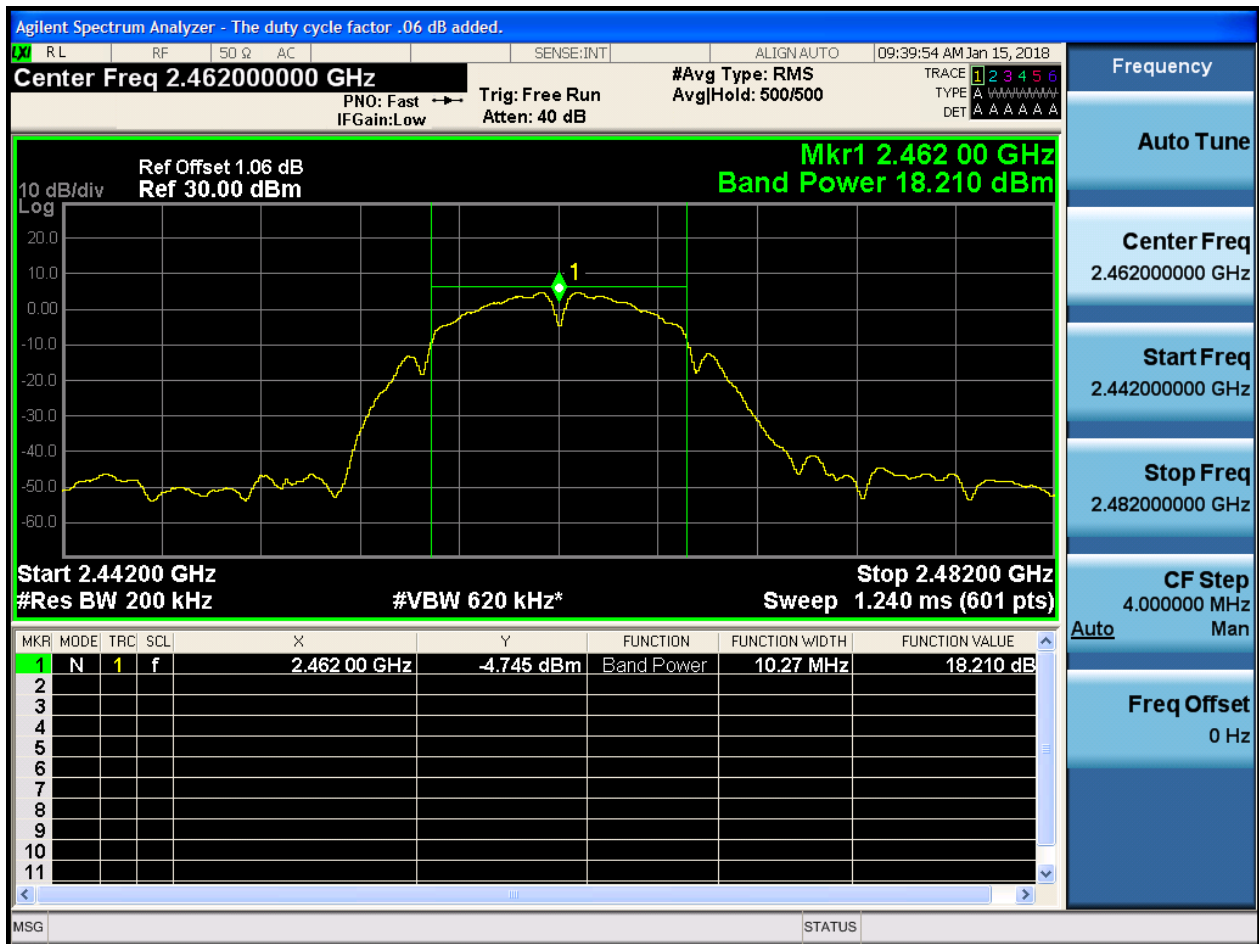


2.4 11B_M@Ant 2



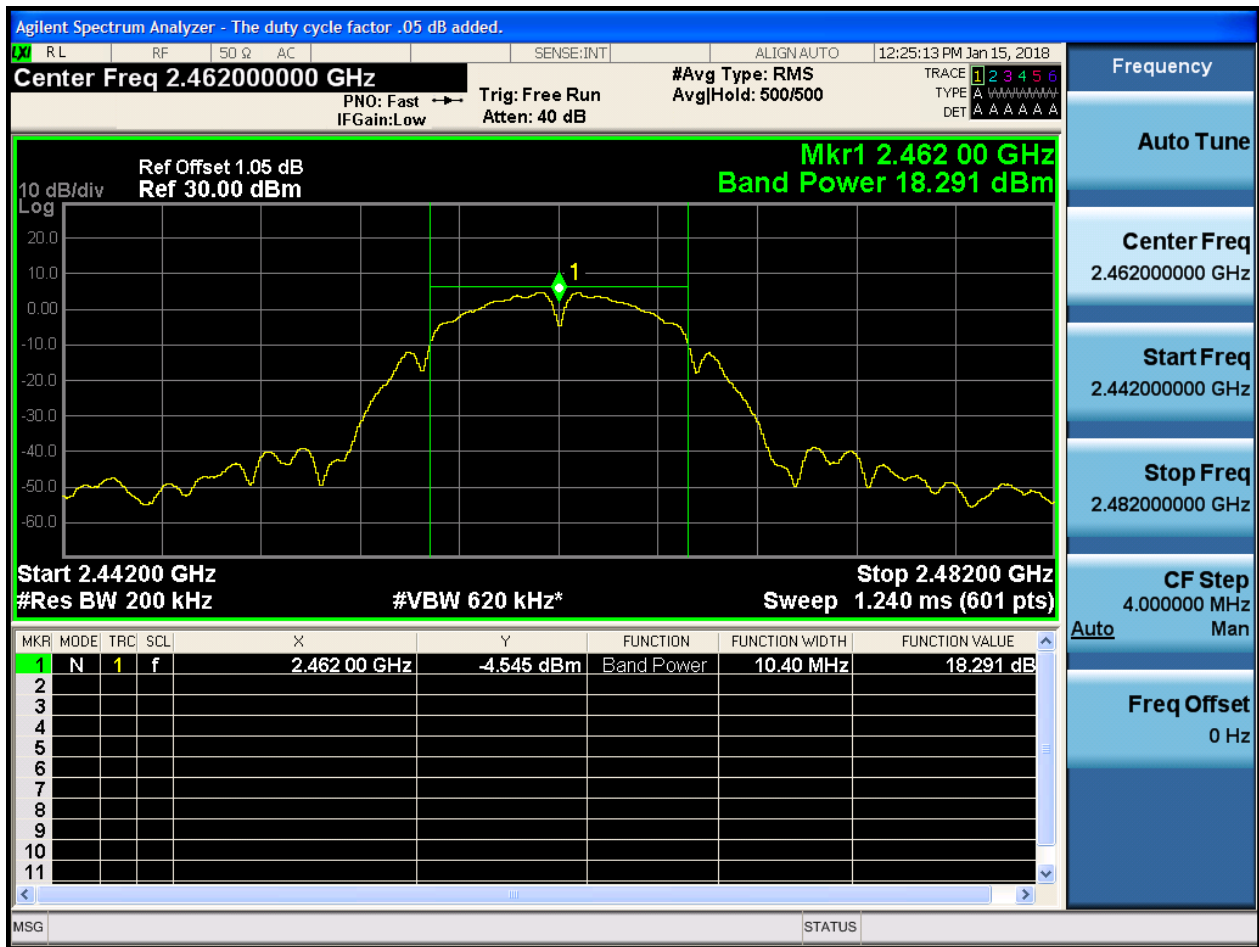


2.5 11B_H@Ant 1



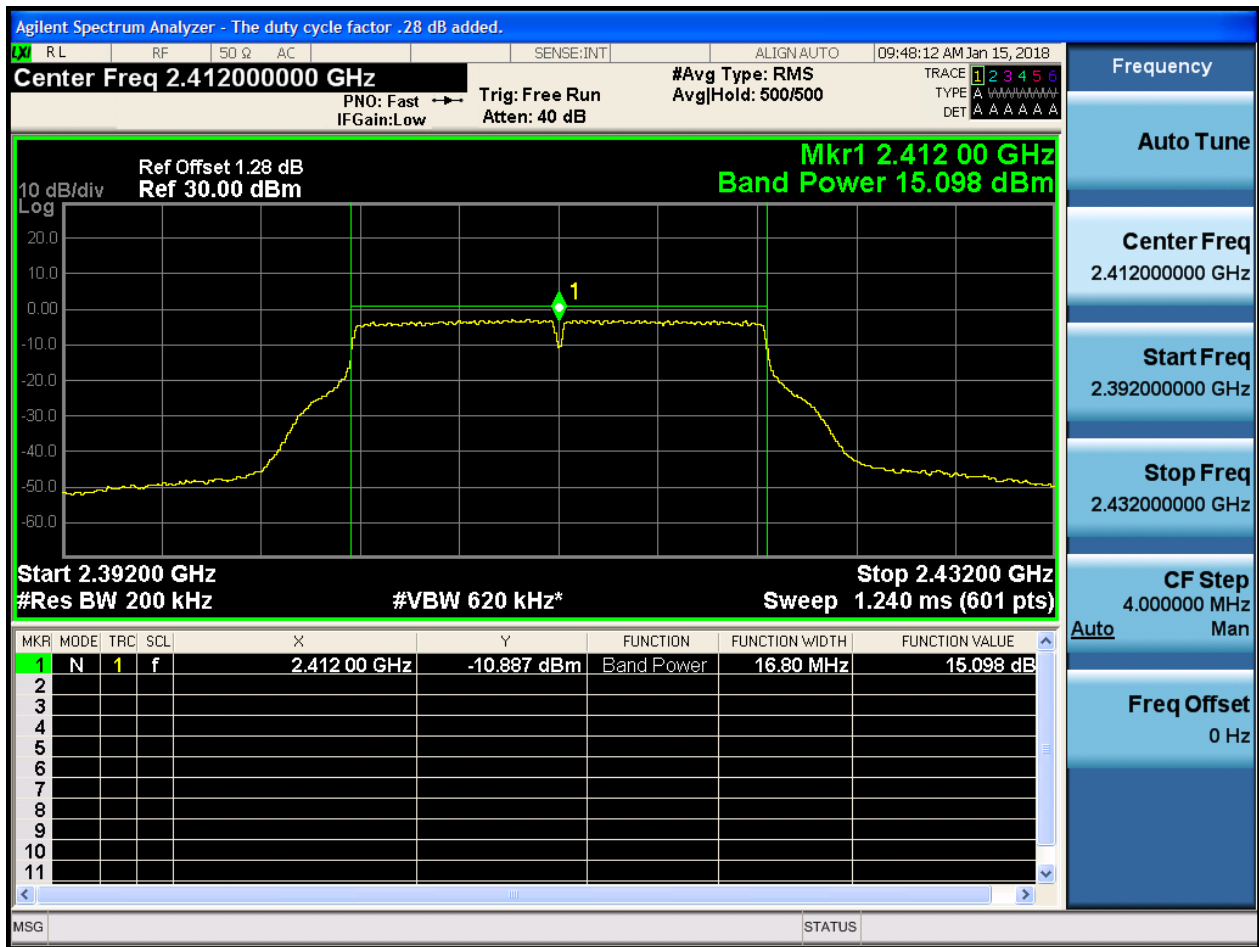


2.6 11B_H@Ant 2



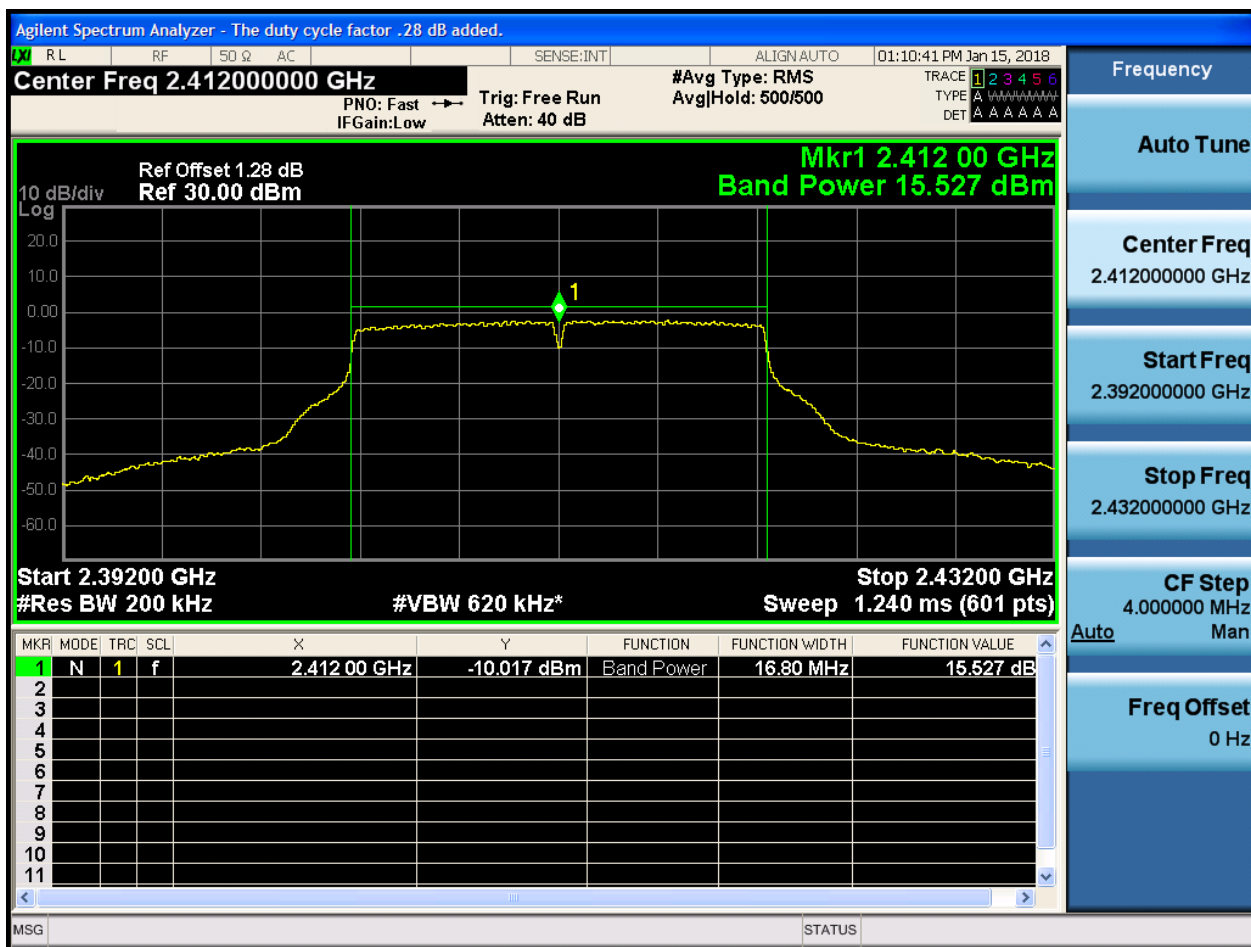


2.7 11G_L@Ant 1





2.8 11G_L@Ant 2





Agilent Spectrum Analyzer - The duty cycle factor .28 dB added.

Center Freq 2.43700000 GHz

#Avg Type: RMS
AvgHold: 500/500

Ref Offset 1.28 dB
Ref 30.00 dBm

Mkr1 2.437 00 GHz
Band Power 15.847 dBm

Start 2.41700 GHz
#Res BW 200 kHz

Stop 2.45700 GHz
Sweep 1.240 ms (601 pts)

#VBW 620 kHz*

Auto Tune

Center Freq
2.43700000 GHz

Start Freq
2.41700000 GHz

Stop Freq
2.45700000 GHz

CF Step
4.000000 MHz
Man

Auto

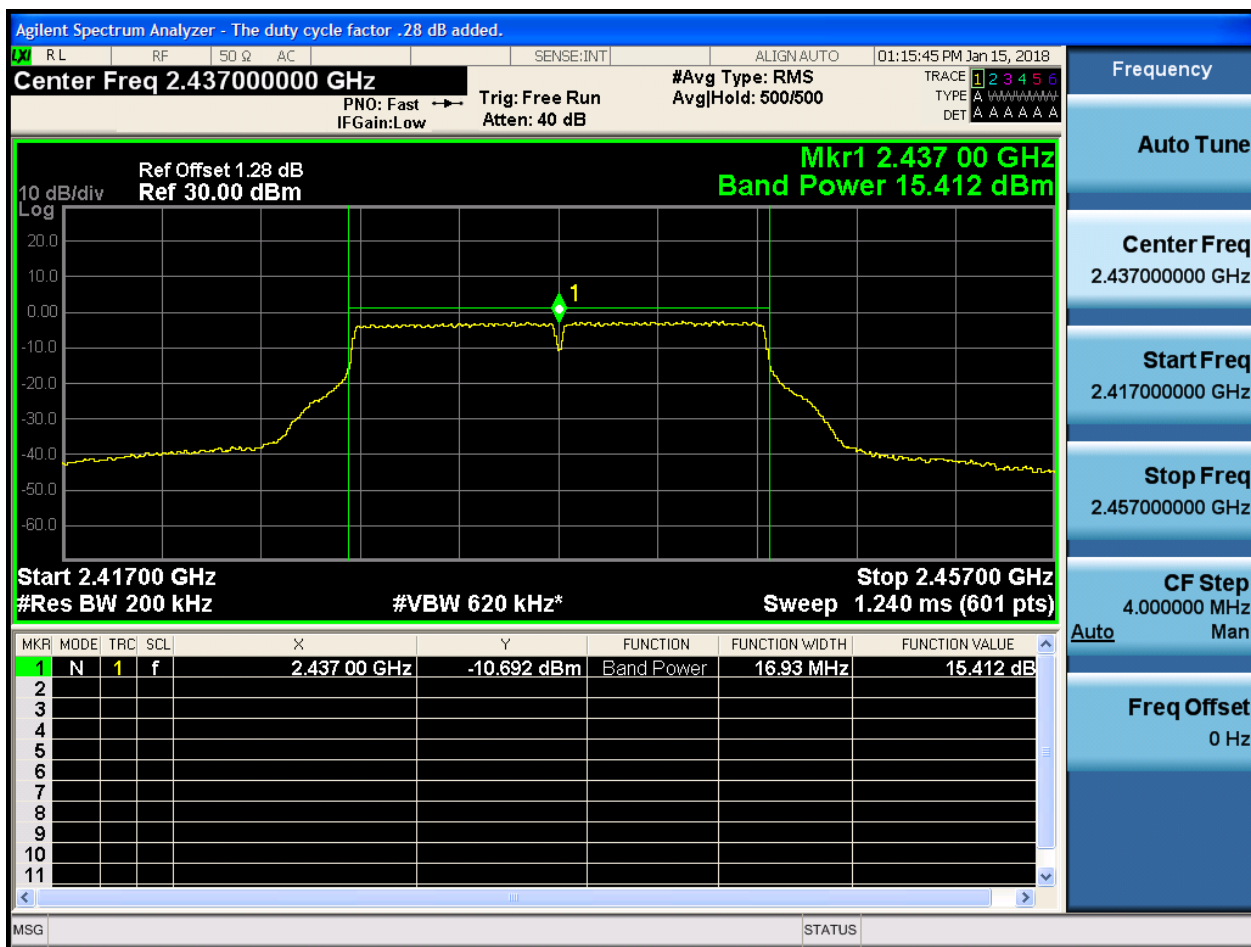
Freq Offset
0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.437 00 GHz	-10.343 dBm	Band Power	16.80 MHz	15.847 dB
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

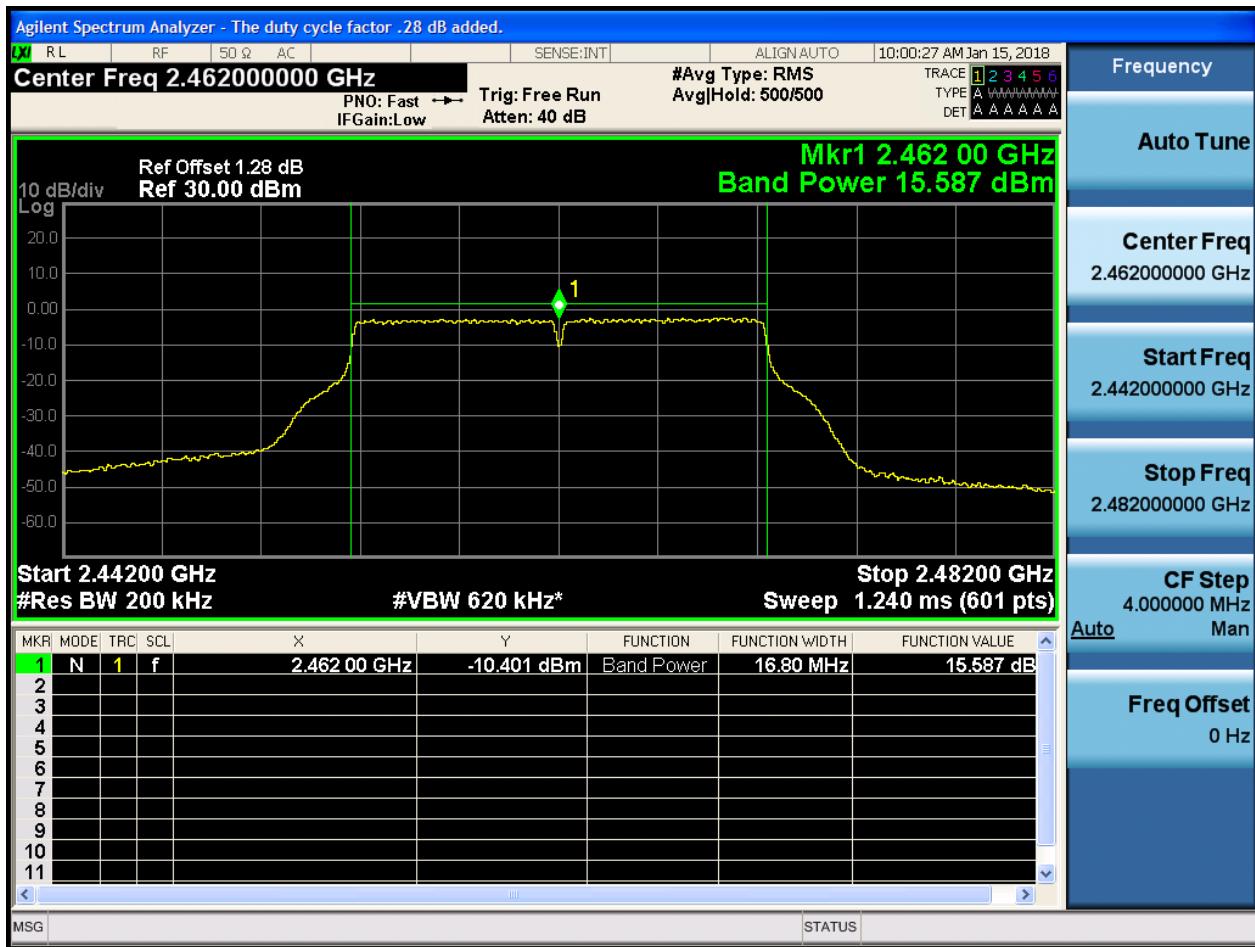


2.10 11G_M@Ant 2



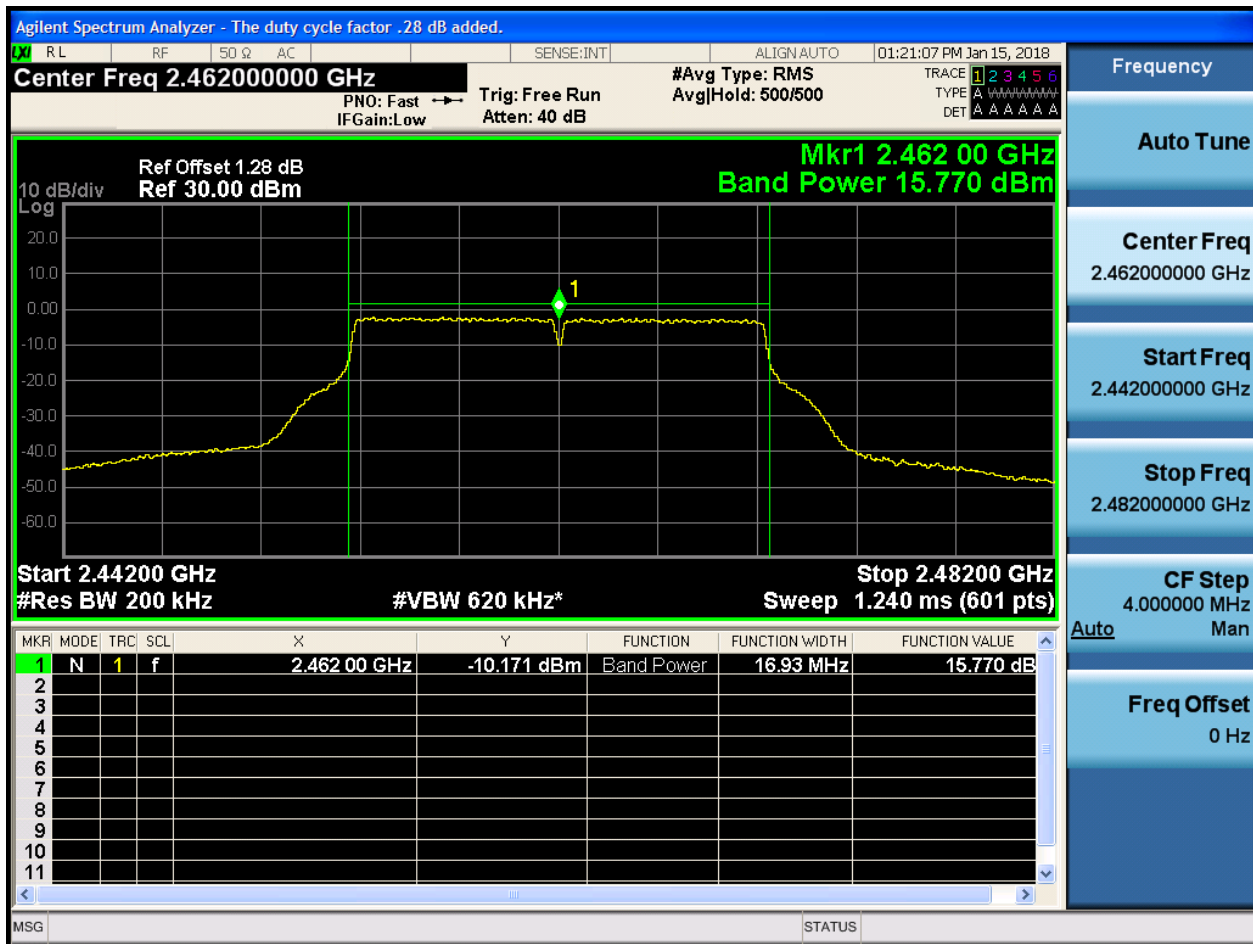


2.11 11G_H@Ant 1



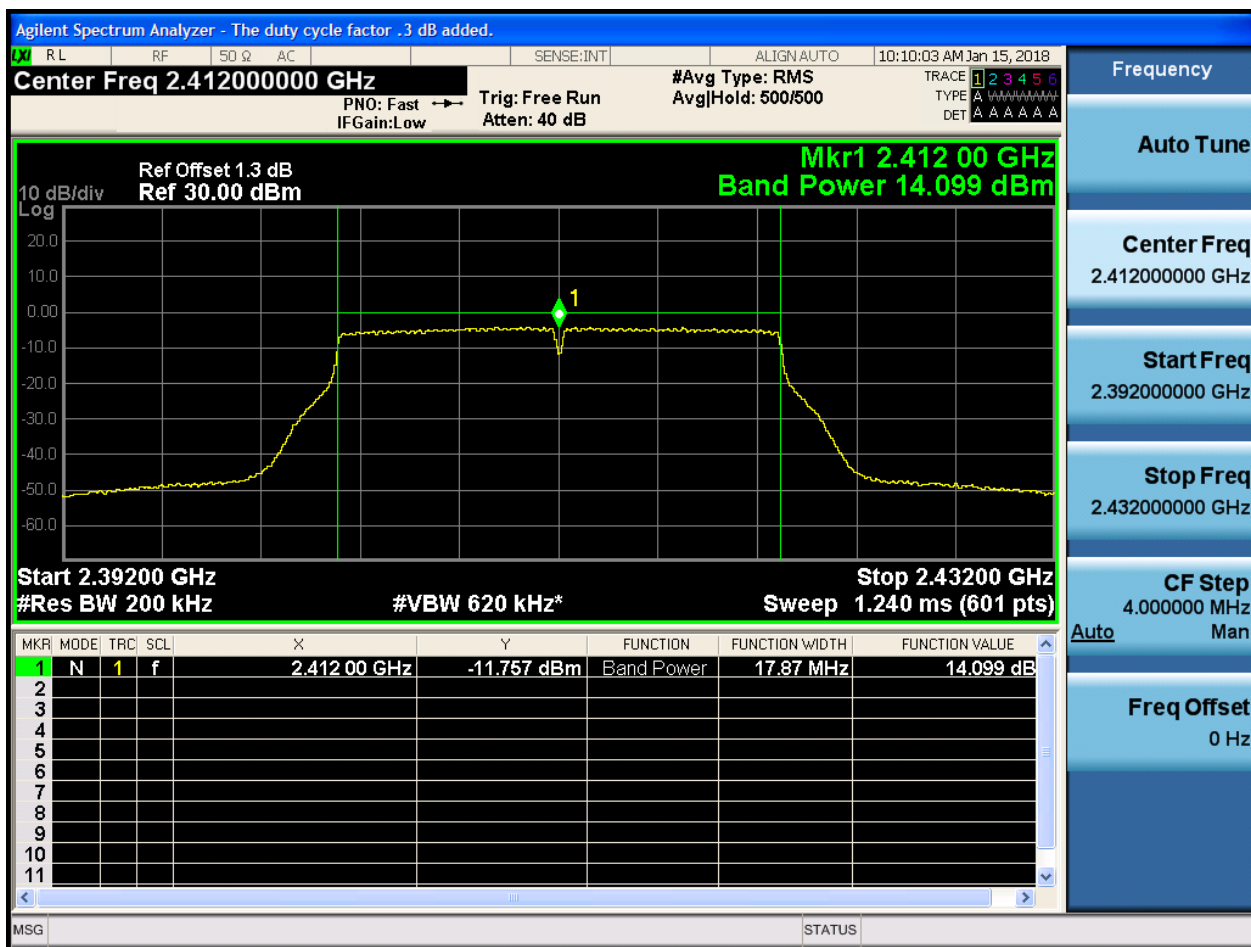


2.12 11G_H@Ant 2



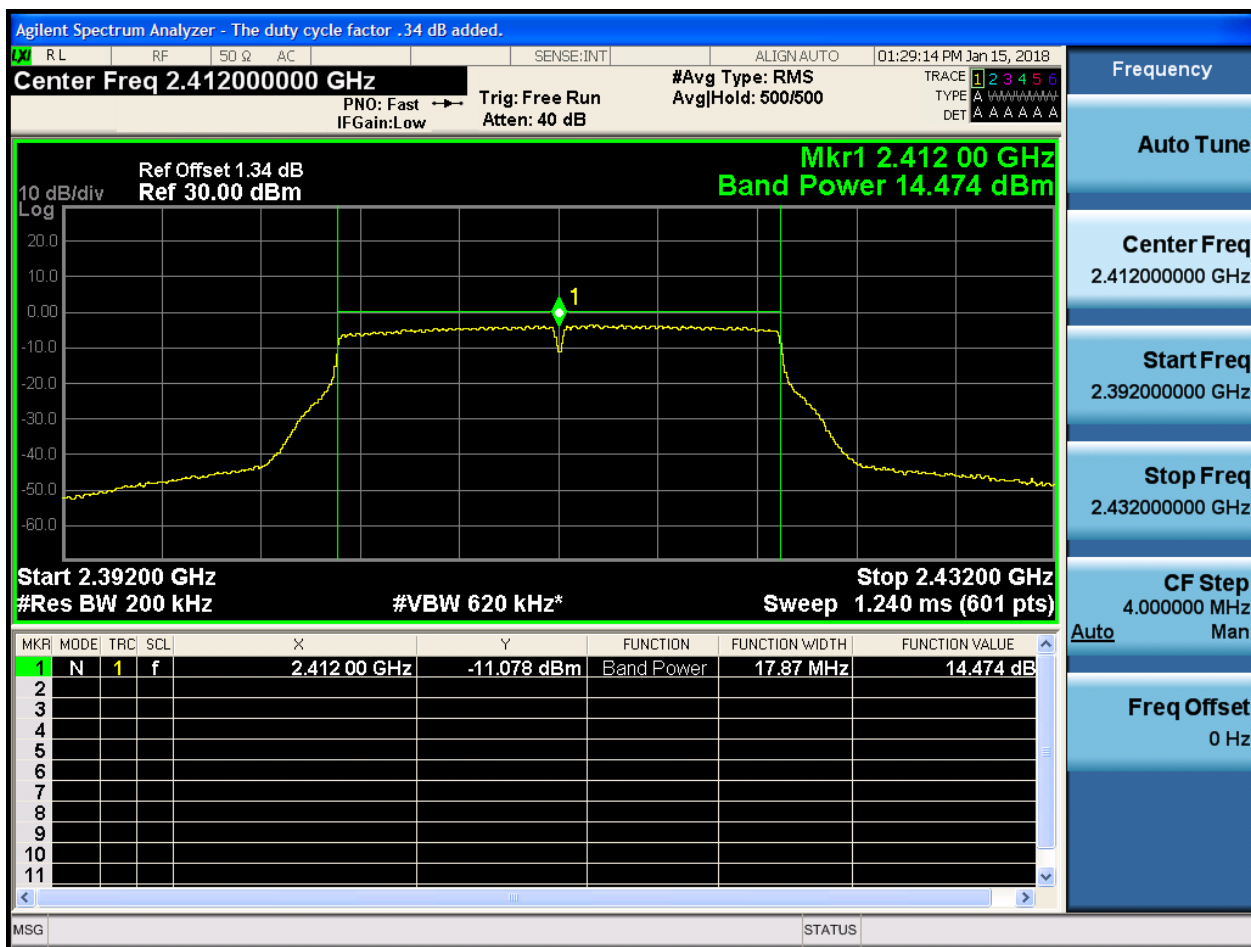


2.13 11N20_L@Ant 1



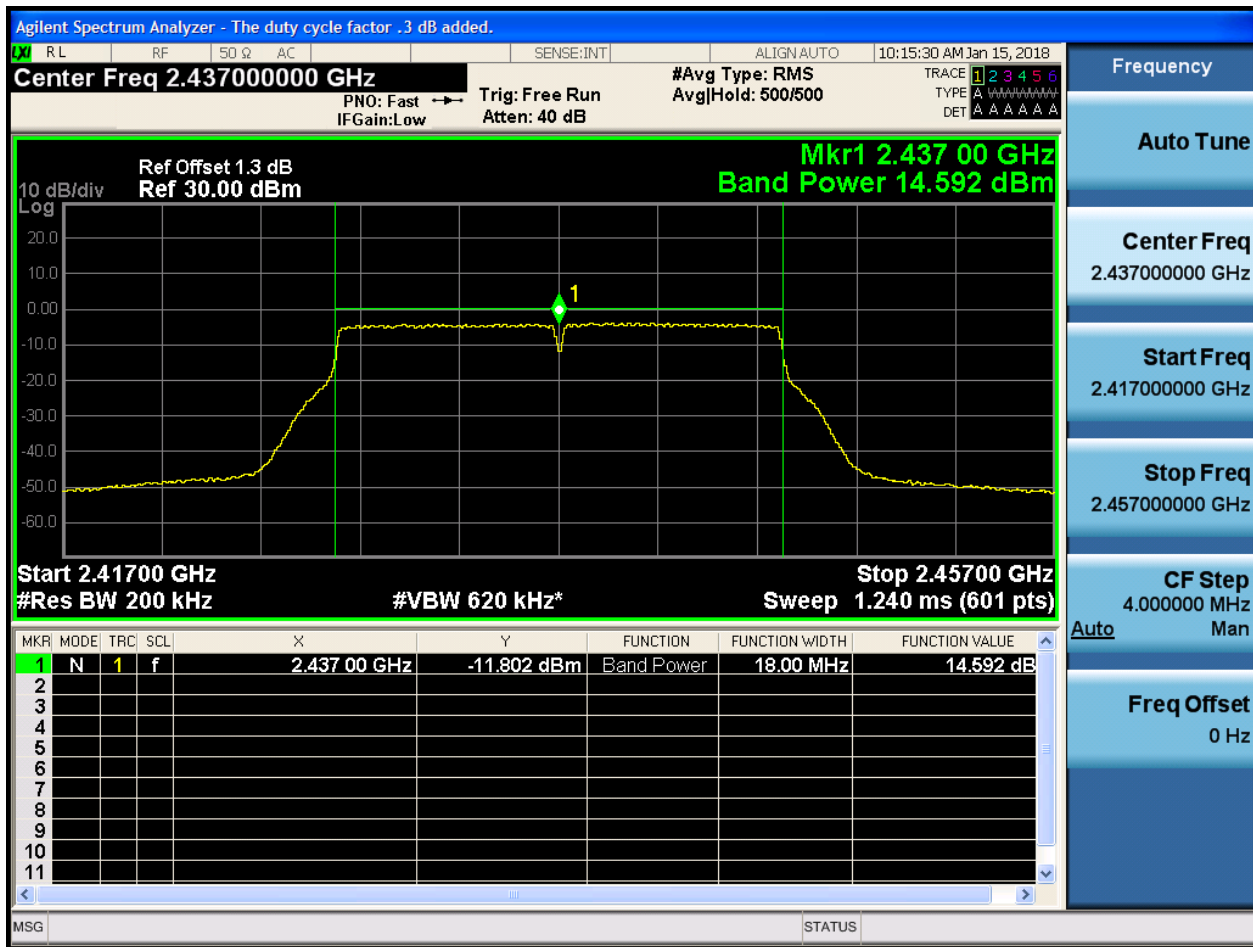


2.14 11N20_L@Ant 2





2.15 11N20_M@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .34 dB added.

Center Freq 2.43700000 GHz

#Avg Type: RMS
Avg/Hold: 500/500

Ref Offset 1.34 dB
Ref 30.00 dBm

Mkr1 2.437 00 GHz
Band Power 14.431 dBm

Start 2.41700 GHz
#Res BW 200 kHz

Stop 2.45700 GHz
Sweep 1.240 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.437 00 GHz	-12.024 dBm	Band Power	18.00 MHz	14.431 dB
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.437000000 GHz

Start Freq
2.417000000 GHz

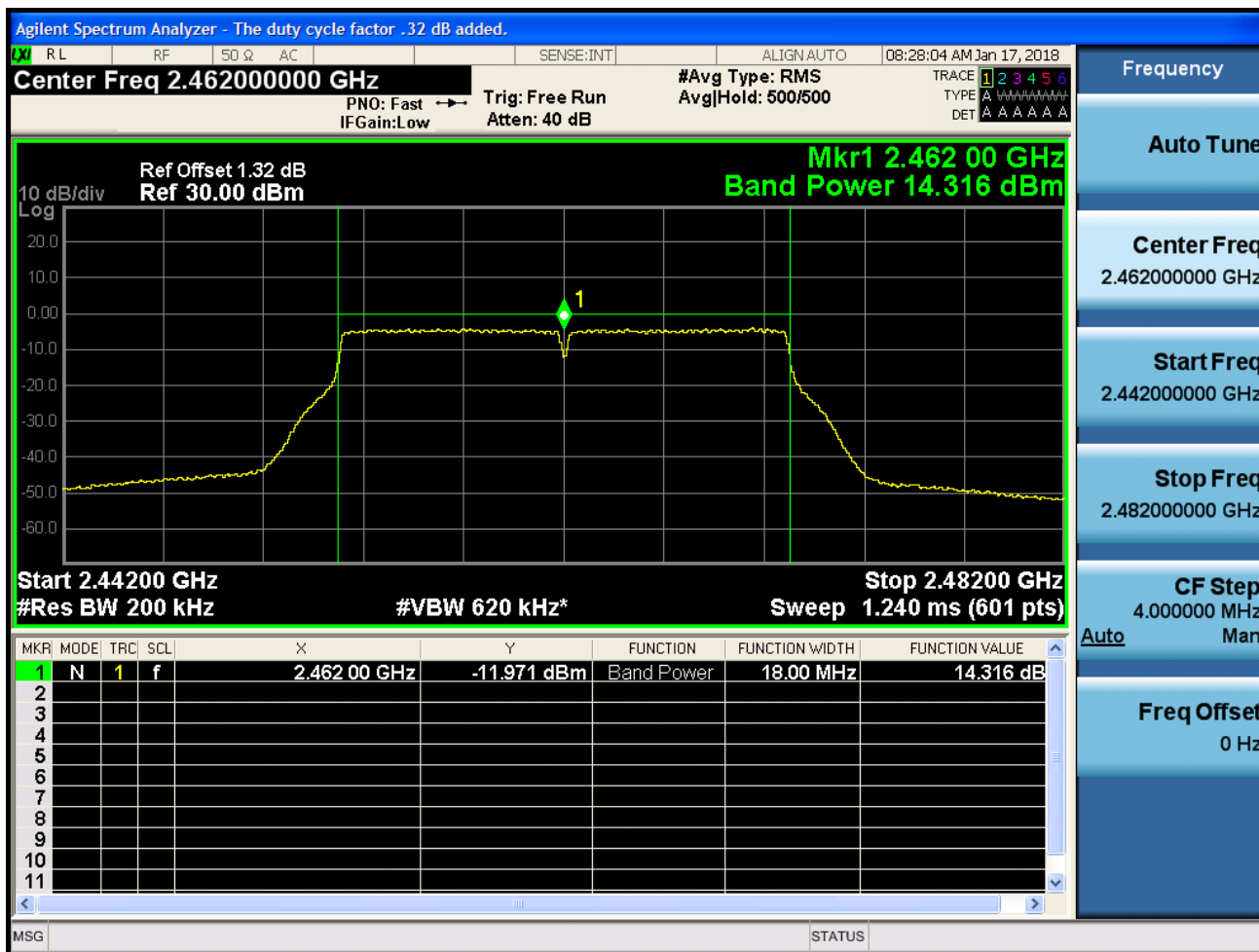
Stop Freq
2.457000000 GHz

CF Step
4.000000 MHz

Auto Man

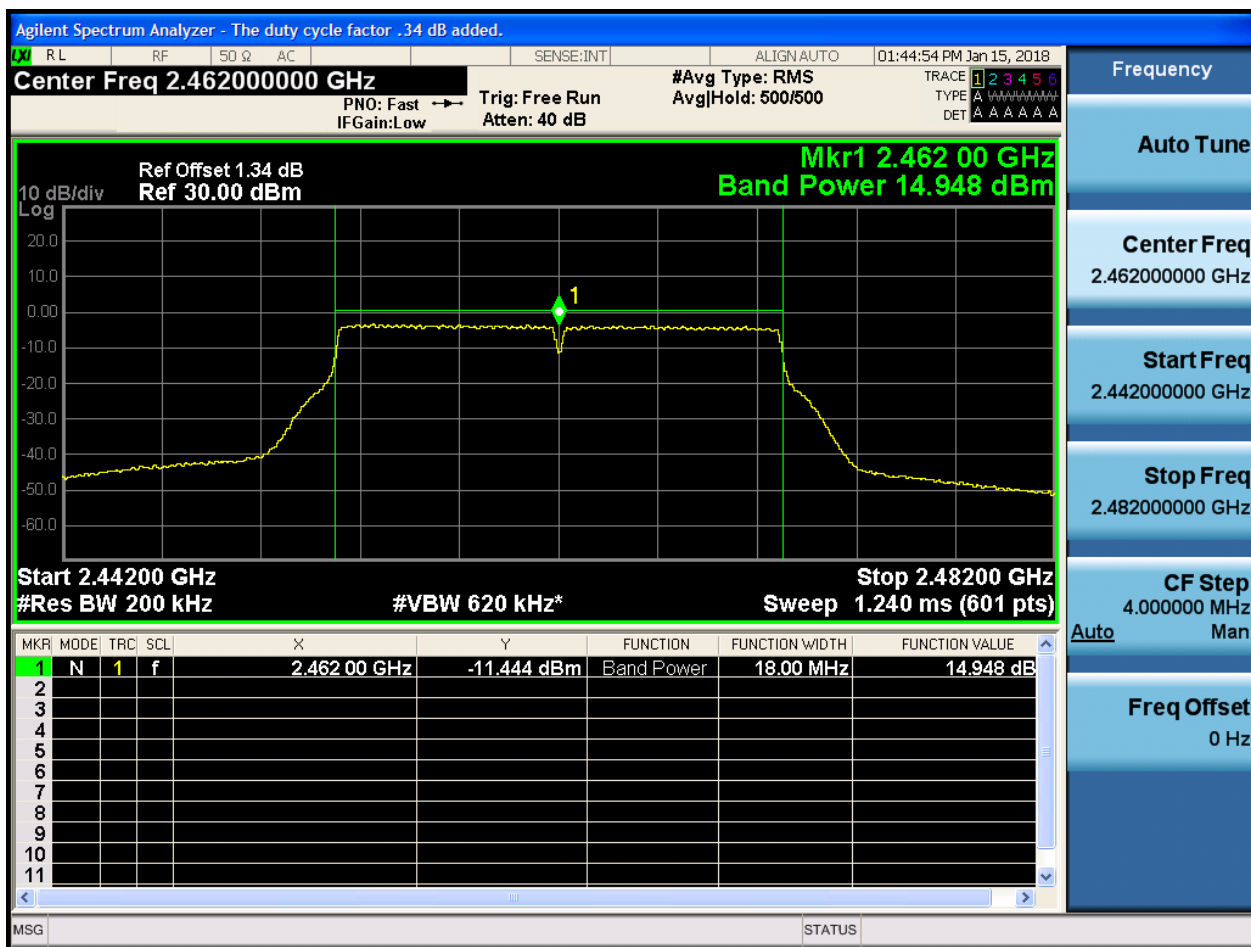
Freq Offset
0 Hz

2.17 11N20_H@Ant 1



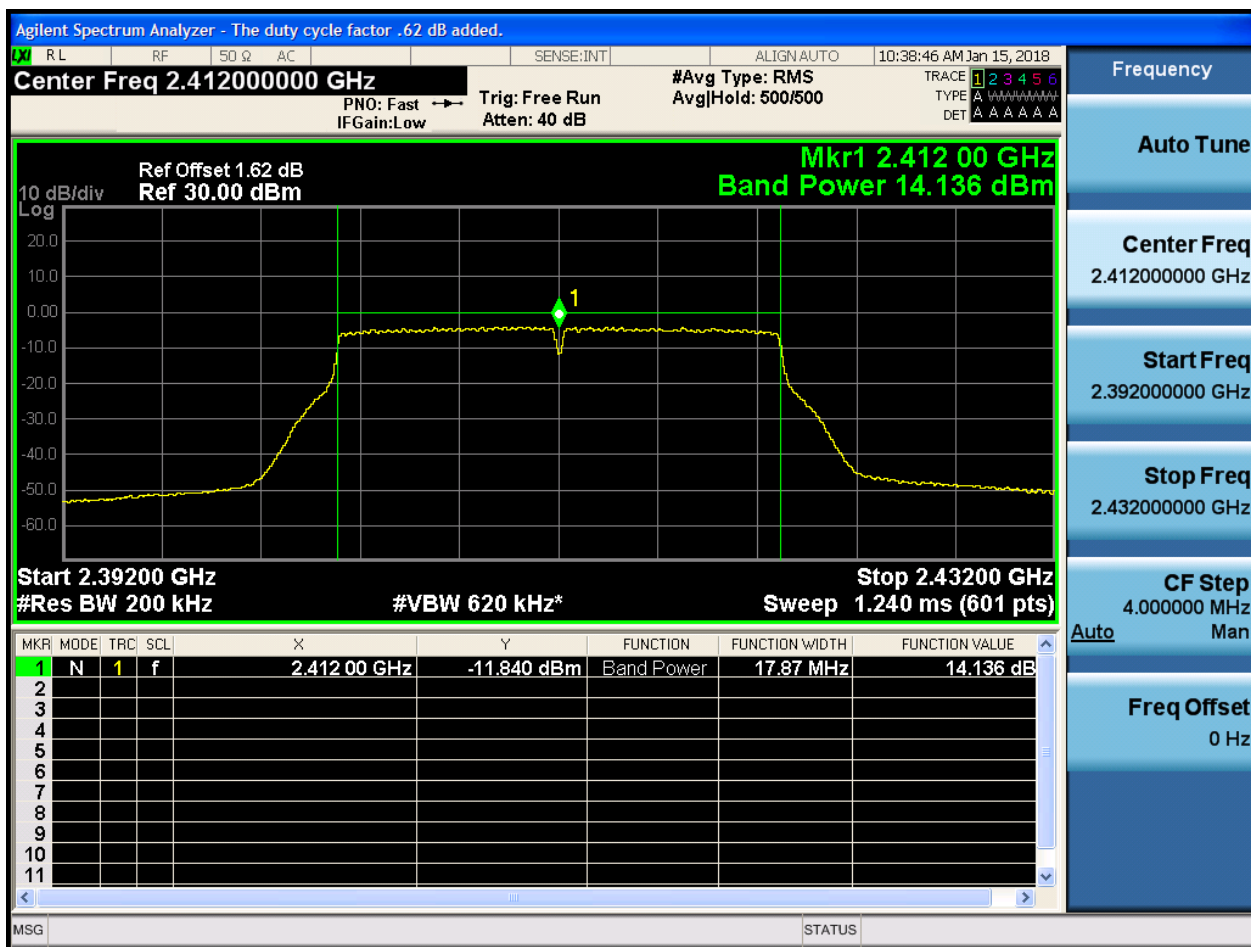


2.18 11N20_H@Ant 2





2.19 11N20m_L@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .58 dB added.

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:08:02 PM Jan 15, 2018

Center Freq 2.41200000 GHz #Avg Type: RMS Avg|Hold: 500/500
PNO: Fast Trg: Free Run
IFGain:Low Atten: 40 dB

TRACE 1 2 3 4 5 6
TYPE A A A A A A A
DET A A A A A A A

Ref Offset 1.58 dB
Ref 30.00 dBm

Mkr1 2.412 00 GHz
Band Power 14.927 dBm

10 dB/div
Log

Start 2.39200 GHz Stop 2.43200 GHz
#Res BW 200 kHz #VBW 620 kHz* Sweep 1.240 ms (601 pts)

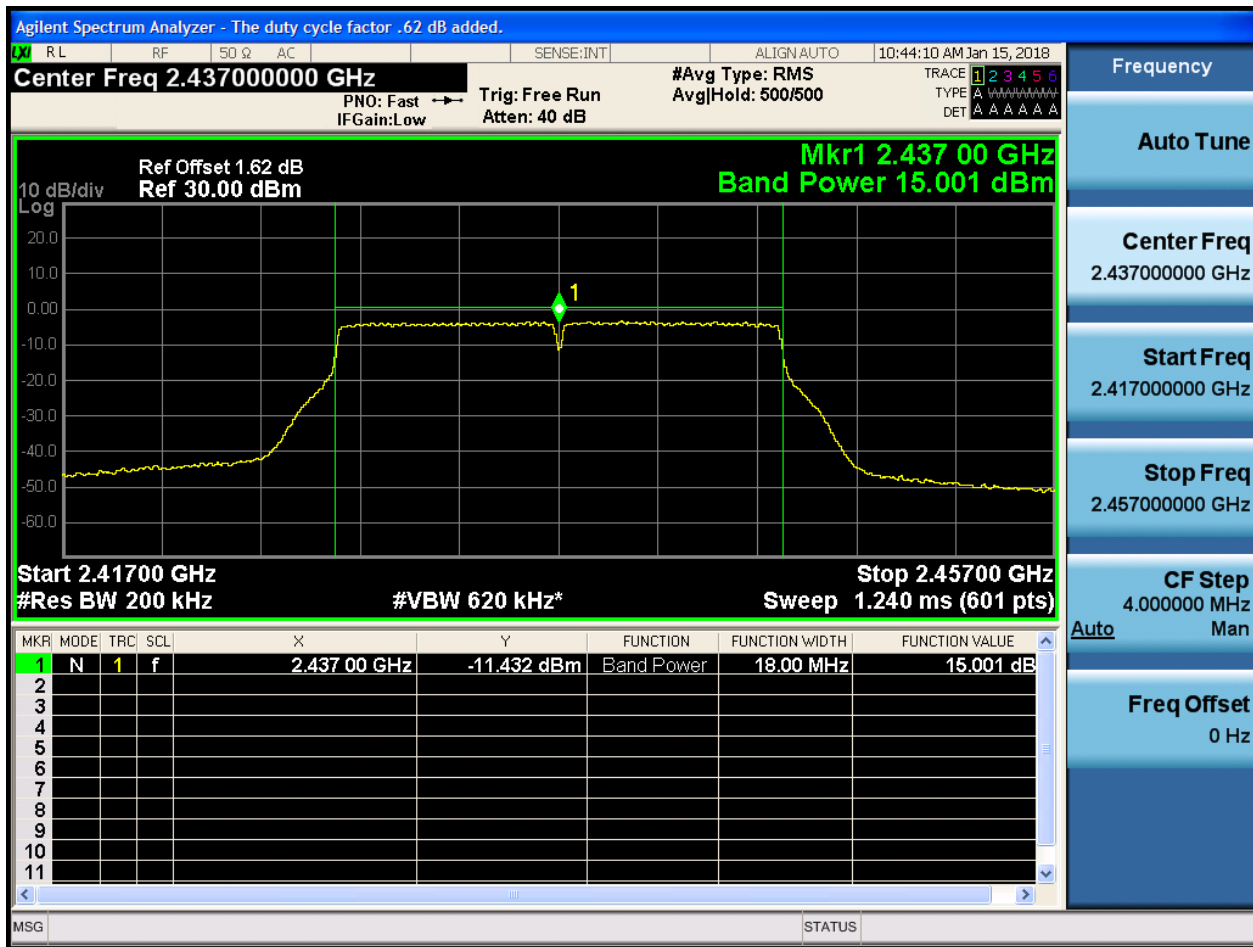
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.412 00 GHz	-10.688 dBm	Band Power	17.87 MHz	14.927 dB
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency
Auto Tune
Center Freq
2.41200000 GHz
Start Freq
2.39200000 GHz
Stop Freq
2.43200000 GHz
CF Step
4.000000 MHz
Auto Man
Freq Offset
0 Hz



2.21 11N20m_M@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .58 dB added.

Center Freq 2.437000000 GHz

#Avg Type: RMS
Avg/Hold: 500/500

Ref Offset 1.58 dB
Ref 30.00 dBm

Mkr1 2.437 00 GHz
Band Power 14.952 dBm

10 dB/div
Log

Start 2.41700 GHz
#Res BW 200 kHz

Stop 2.45700 GHz
Sweep 1.240 ms (601 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.437 00 GHz	-11.205 dBm	Band Power	18.00 MHz	14.952 dB
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.437000000 GHz

Start Freq
2.417000000 GHz

Stop Freq
2.457000000 GHz

CF Step
4.000000 MHz

Auto

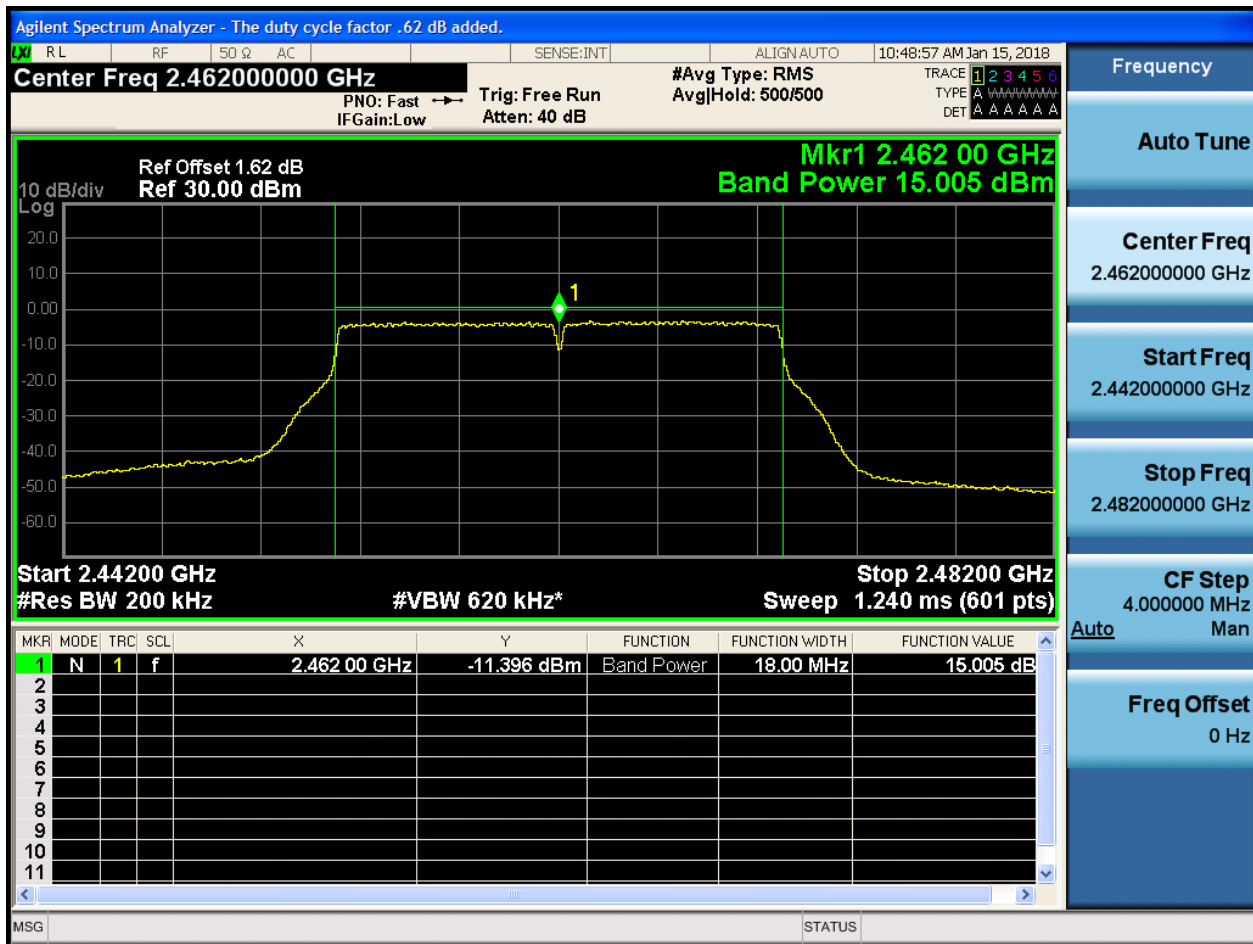
Freq Offset
0 Hz

MSG

STATUS

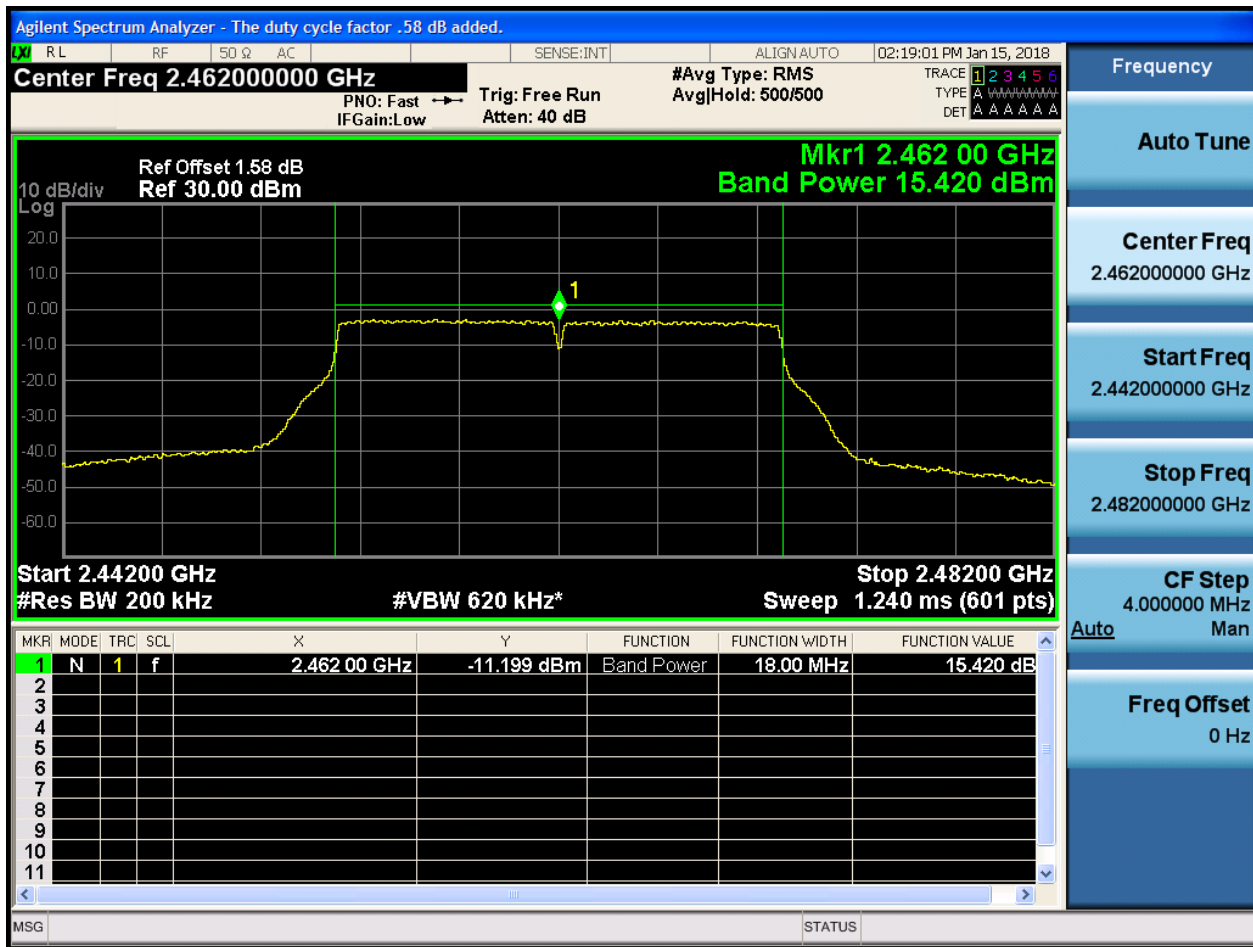


2.23 11N20m_H@Ant 1



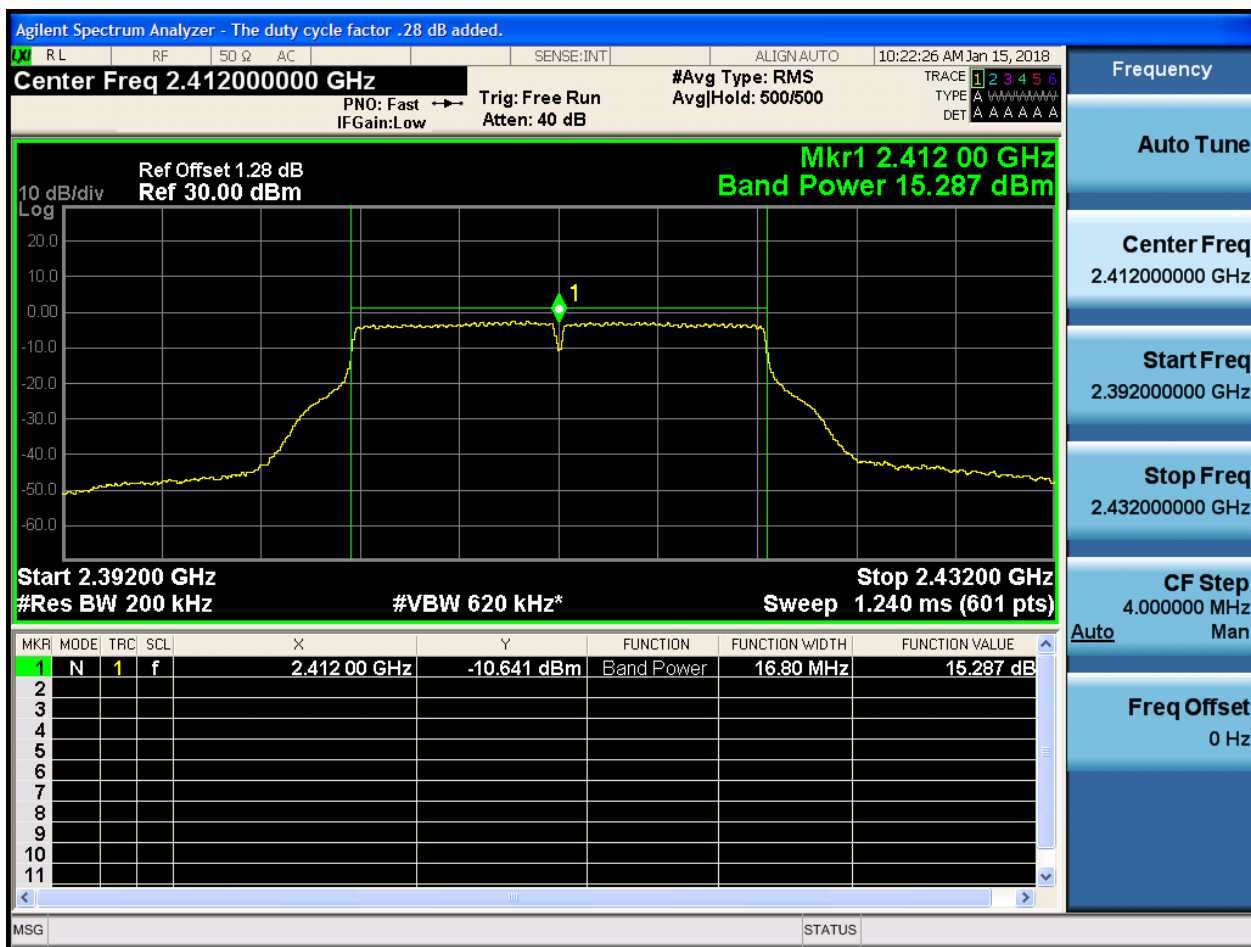


2.24 11N20m_H@Ant 2



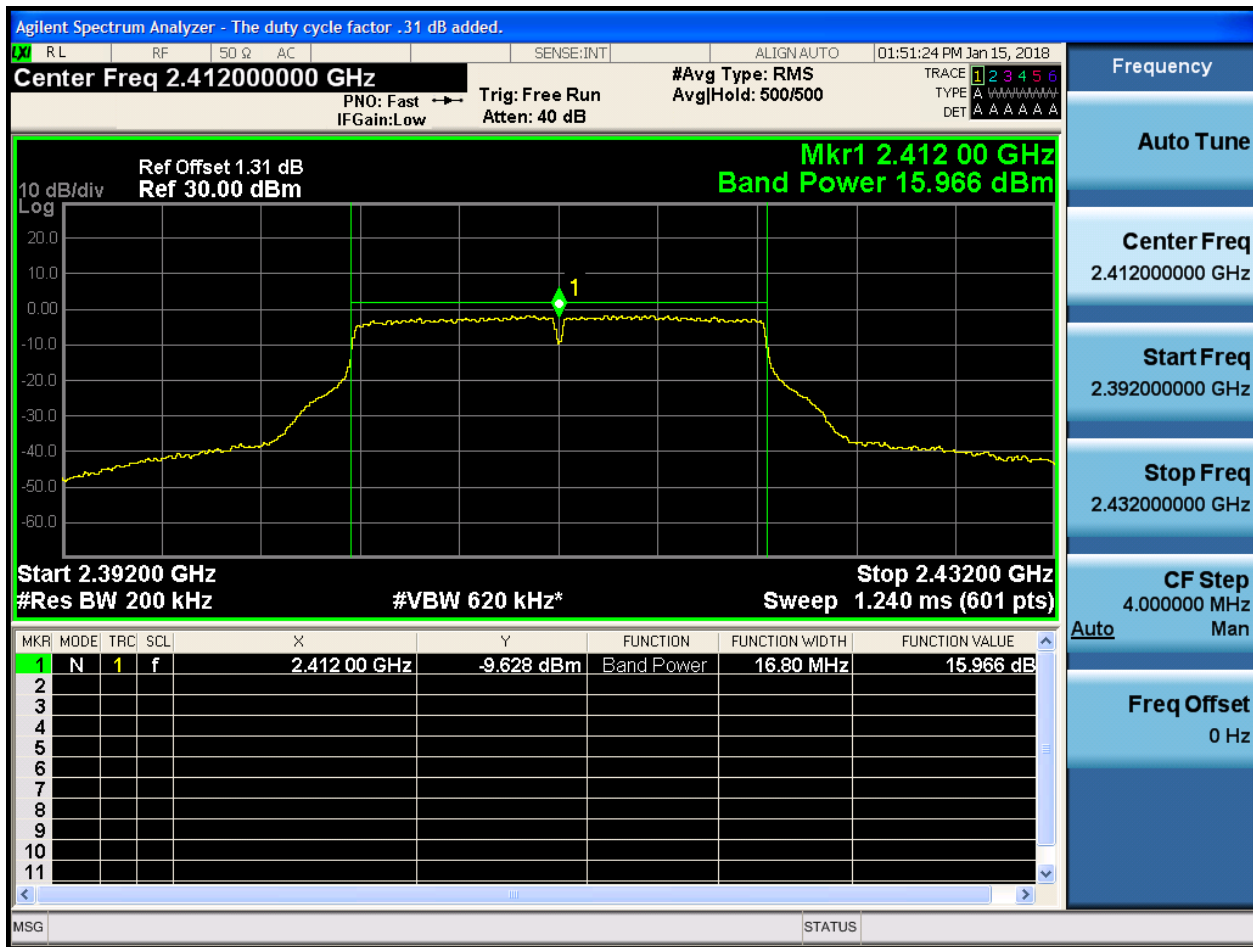


2.25 11G CDD L@Ant 1



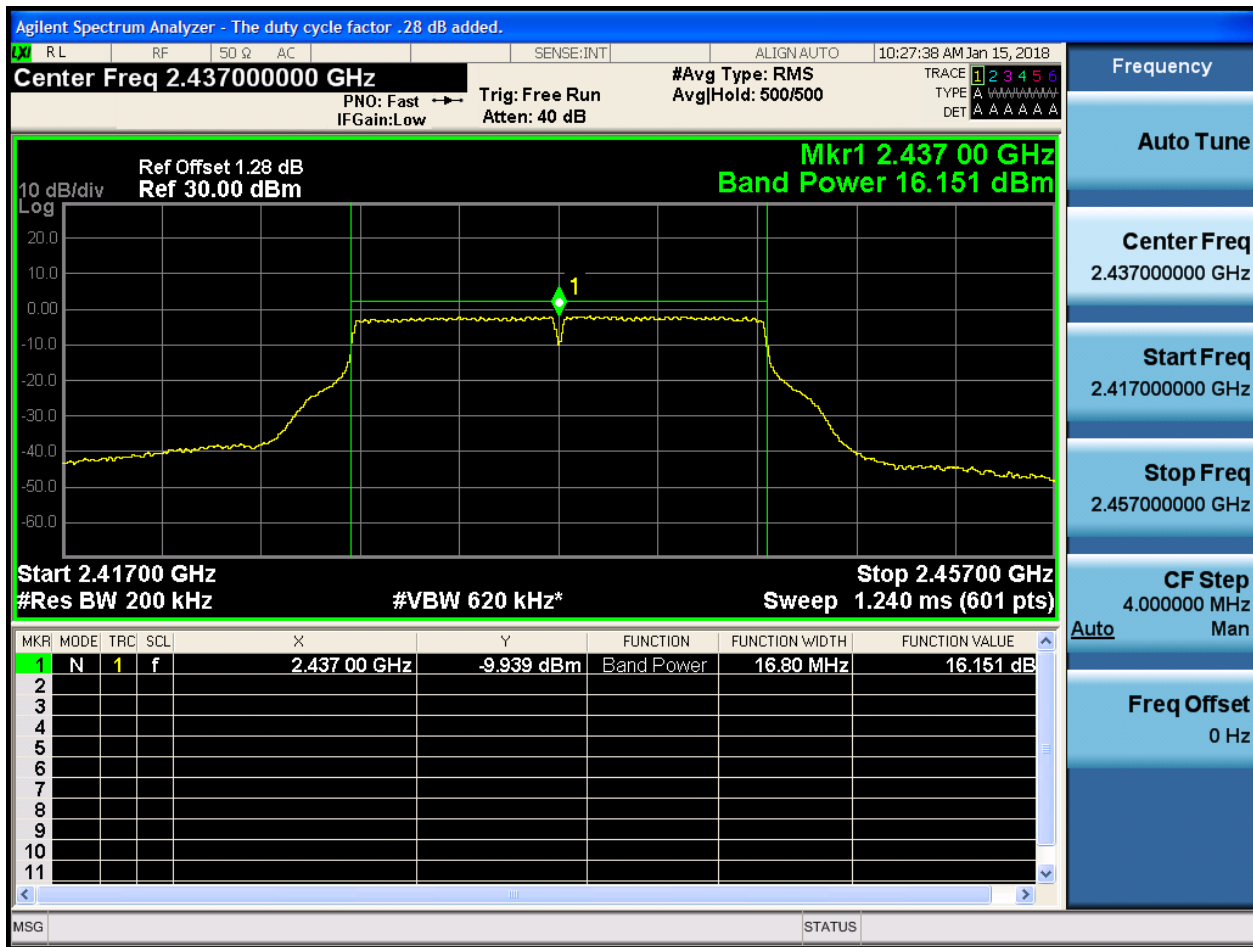


2.26 11G CDD L@Ant 2



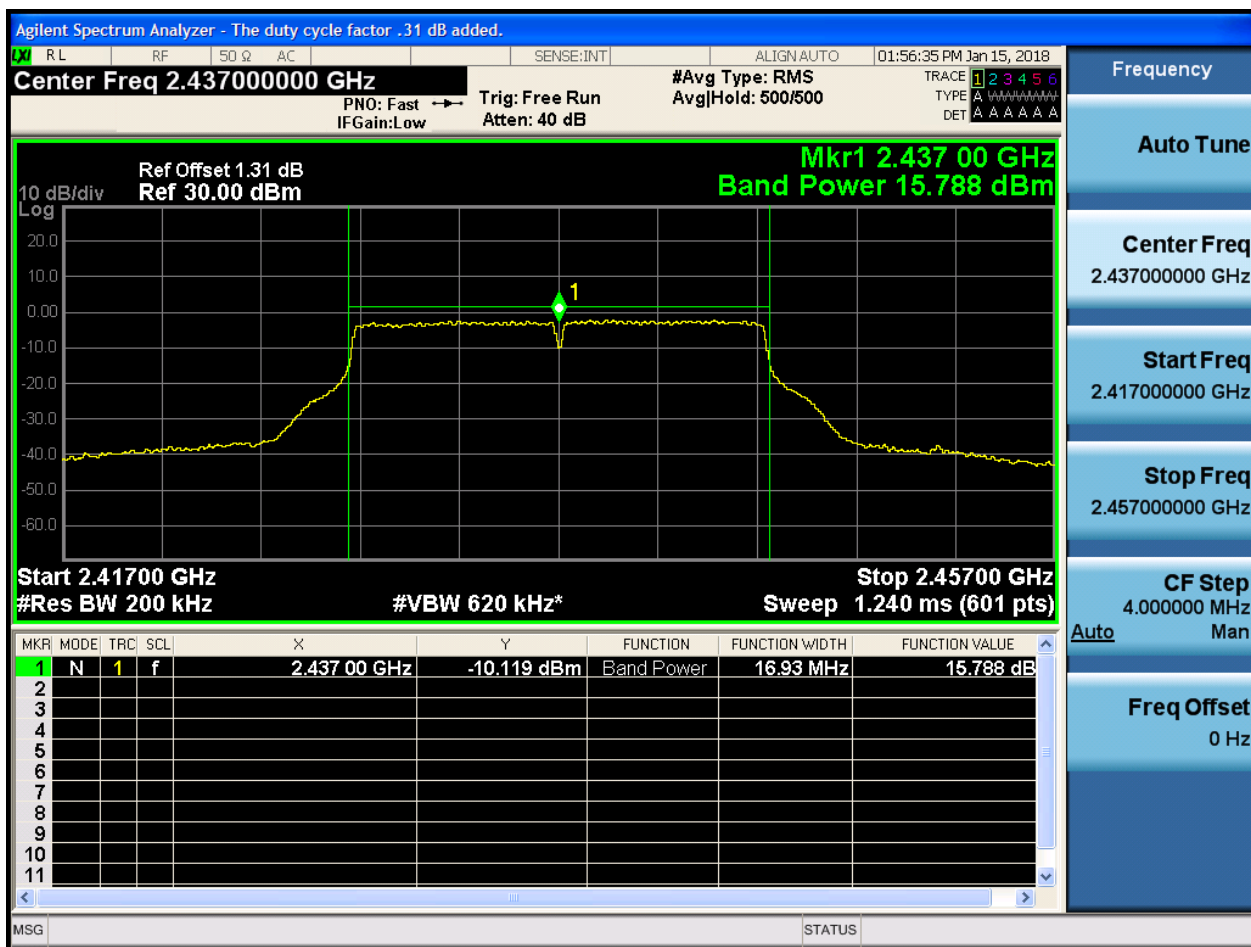


2.27 11G CDD M@Ant 1



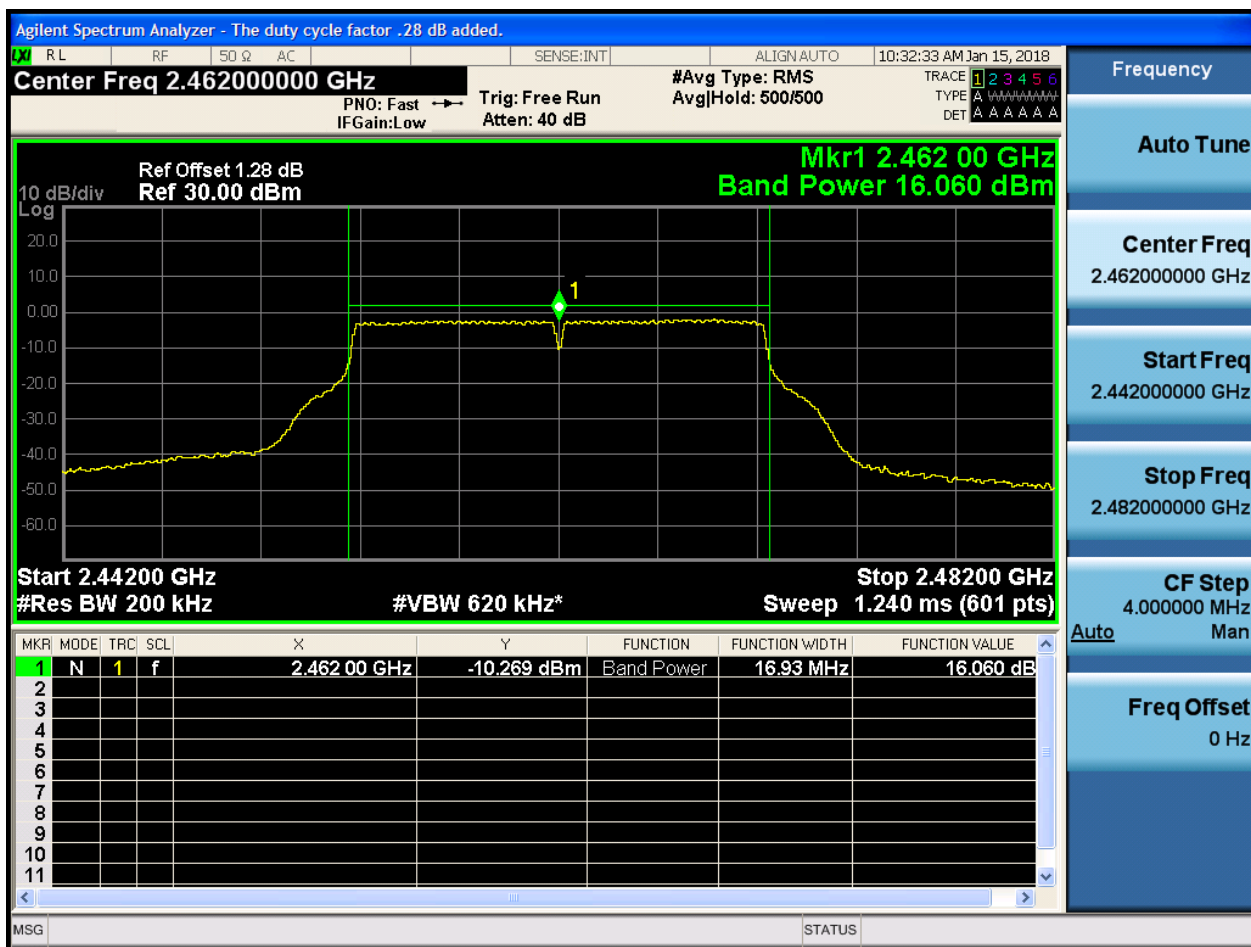


2.28 11G CDD M@Ant 2



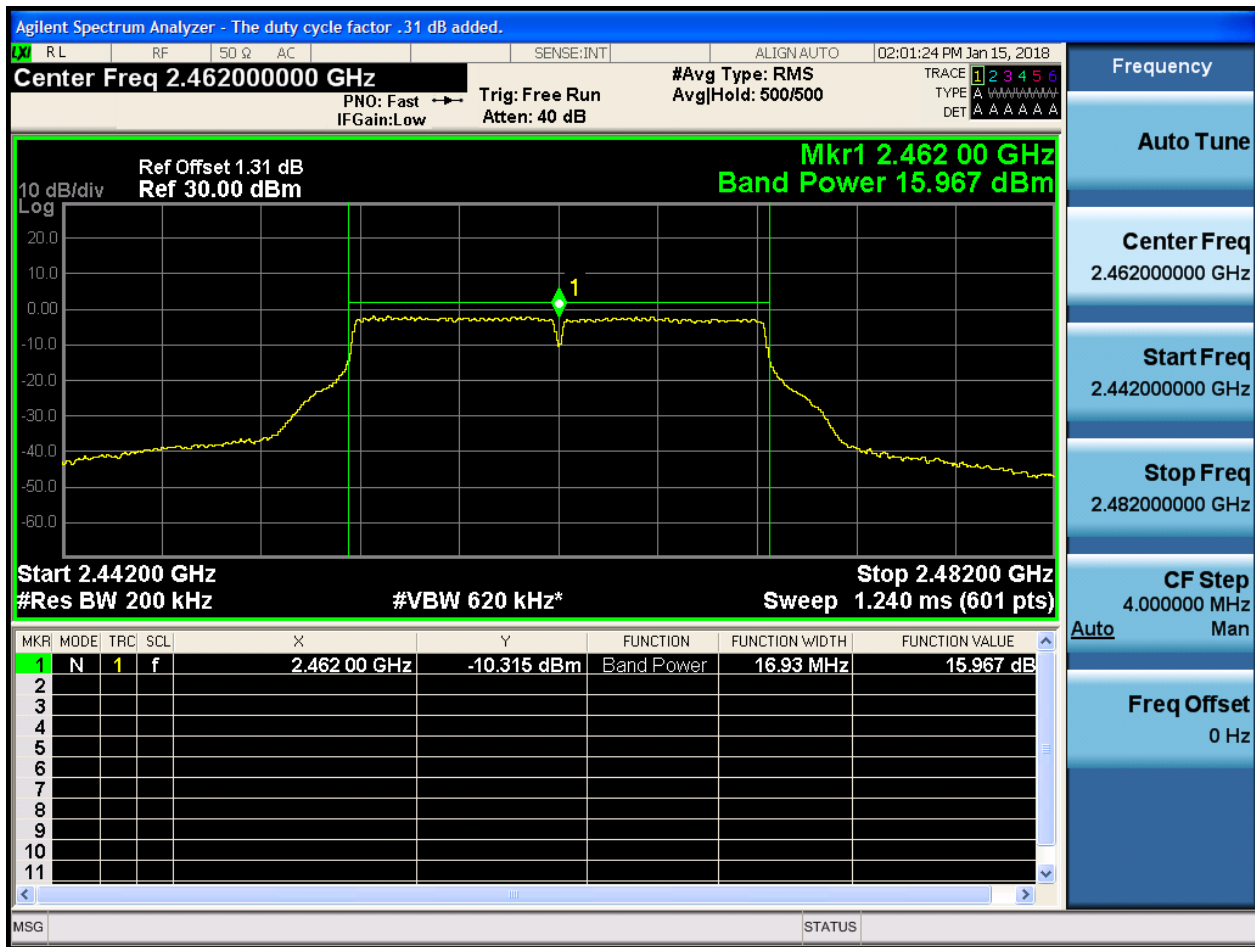


2.29 11G CDD H@Ant 1





2.30 11G CDD H@Ant 2



Appendix E: Maximum Power Spectral Density Level

Part I - Test Results

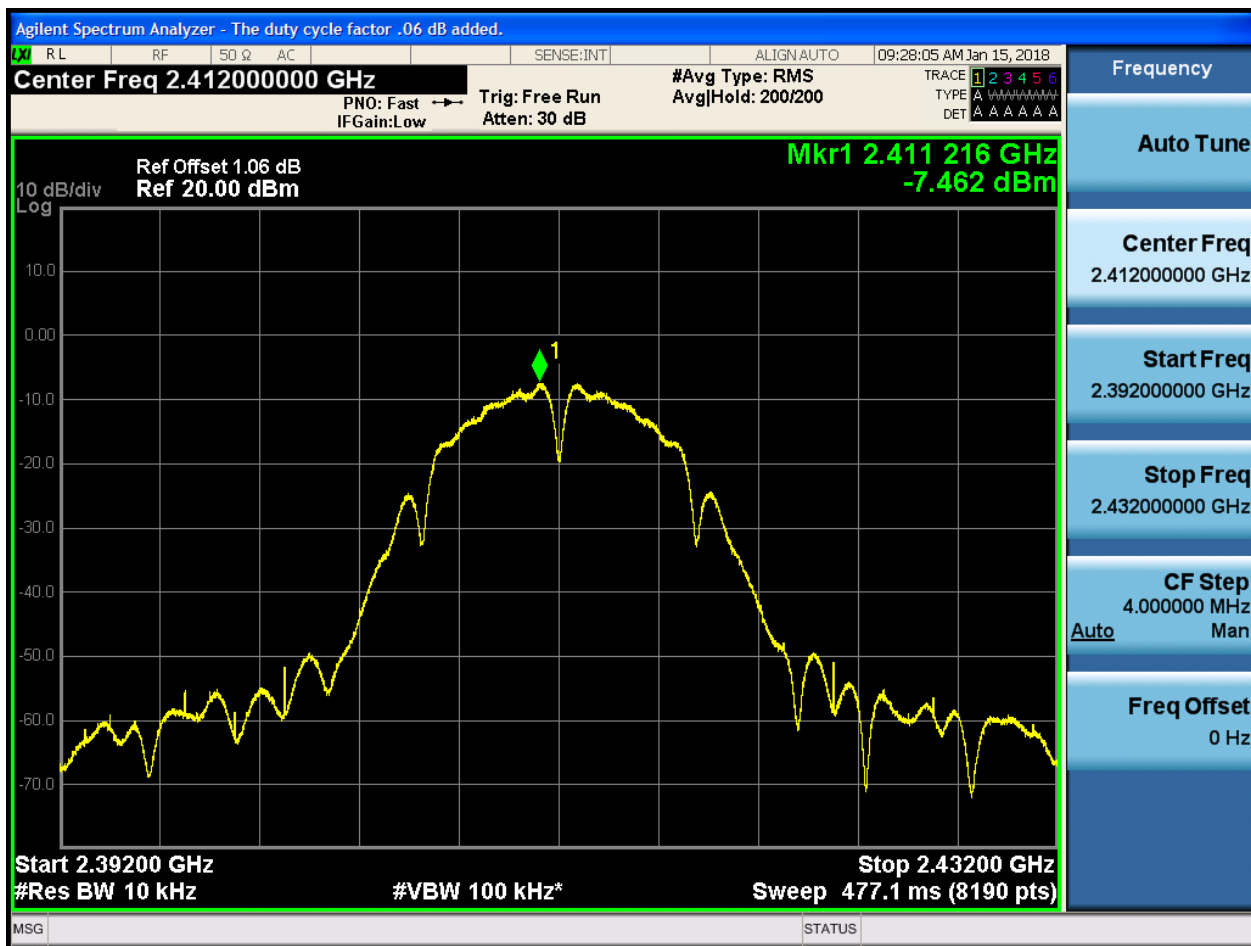
Test Mode	Test Channel	Frequency[MHz]	Ant	Duty Cycle [%]	PSD[dBm/10 kHz]	Verdict
11B	L	2412	Ant 1	99	-7.46	pass
11B	L	2412	Ant 2	99	-7.65	pass
11B	M	2437	Ant 1	99	-7.40	pass
11B	M	2437	Ant 2	99	-7.82	pass
11B	H	2462	Ant 1	99	-7.74	pass
11B	H	2462	Ant 2	99	-7.48	pass
11G	L	2412	Ant 1	94	-12.43	pass
11G	L	2412	Ant 2	94	-12.31	pass
11G	M	2437	Ant 1	94	-11.83	pass
11G	M	2437	Ant 2	94	-12.33	pass
11G	H	2462	Ant 1	94	-12.03	pass
11G	H	2462	Ant 2	94	-11.99	pass
11N20	L	2412	Ant 1	93	-14.90	pass
11N20	L	2412	Ant 2	92	-14.57	pass
11N20	M	2437	Ant 1	93	-14.29	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	Duty Cycle [%]	PSD[dBm/10 kHz]	Verdict
11N20	M	2437	Ant 2	92	-14.83	pass
11N20	H	2462	Ant 1	93	-14.87	pass
11N20	H	2462	Ant 2	92	-14.33	pass
11N20m	L	2412	Ant 1	87	-14.98	pass
11N20m	L	2412	Ant 2	87	-12.74	pass
11N20m	L	2412	SUM	87	-10.71	pass
11N20m	M	2437	Ant 1	87	-14.18	pass
11N20m	M	2437	Ant 2	87	-13.50	pass
11N20m	M	2437	SUM	87	-10.82	pass
11N20m	H	2462	Ant 1	87	-13.87	pass
11N20m	H	2462	Ant 2	87	-13.00	pass
11N20m	H	2462	SUM	87	-10.4	pass
11G CDD	L	2412	Ant 1	94	-14.87	pass
11G CDD	L	2412	Ant 2	94	-11.28	pass
11G CDD	L	2412	SUM	94	-9.7	pass
11G CDD	M	2437	Ant 1	94	-11.69	pass
11G CDD	M	2437	Ant 2	94	-11.95	pass

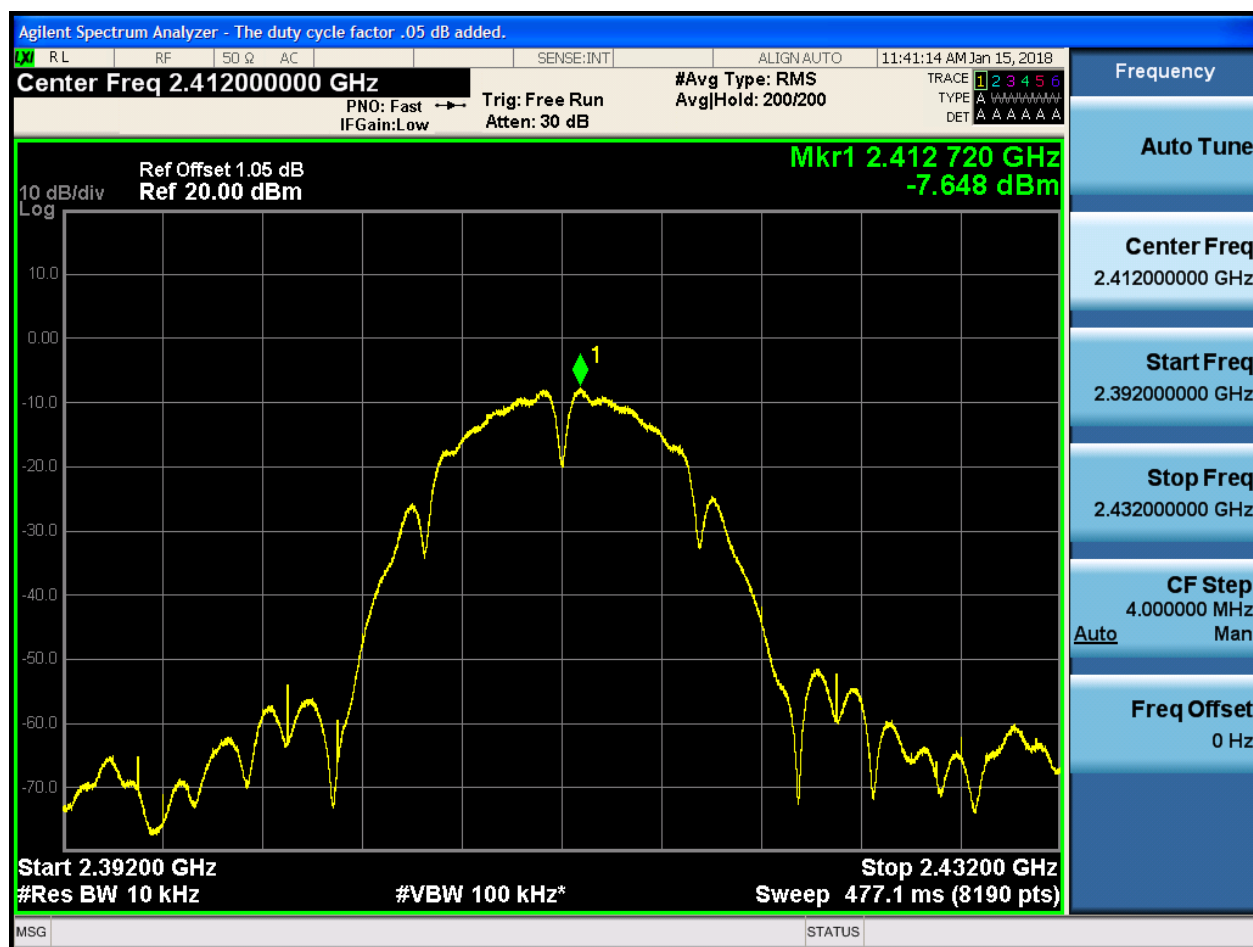
Test Mode	Test Channel	Frequency[MHz]	Ant	Duty Cycle [%]	PSD[dBm/10 kHz]	Verdict
11G CDD	M	2437	SUM	94	-8.81	pass
11G CDD	H	2462	Ant 1	94	-11.85	pass
11G CDD	H	2462	Ant 2	94	-11.80	pass
11G CDD	H	2462	SUM	94	-8.81	pass

Part II - Test Plots

2.1 11B_L@Ant 1

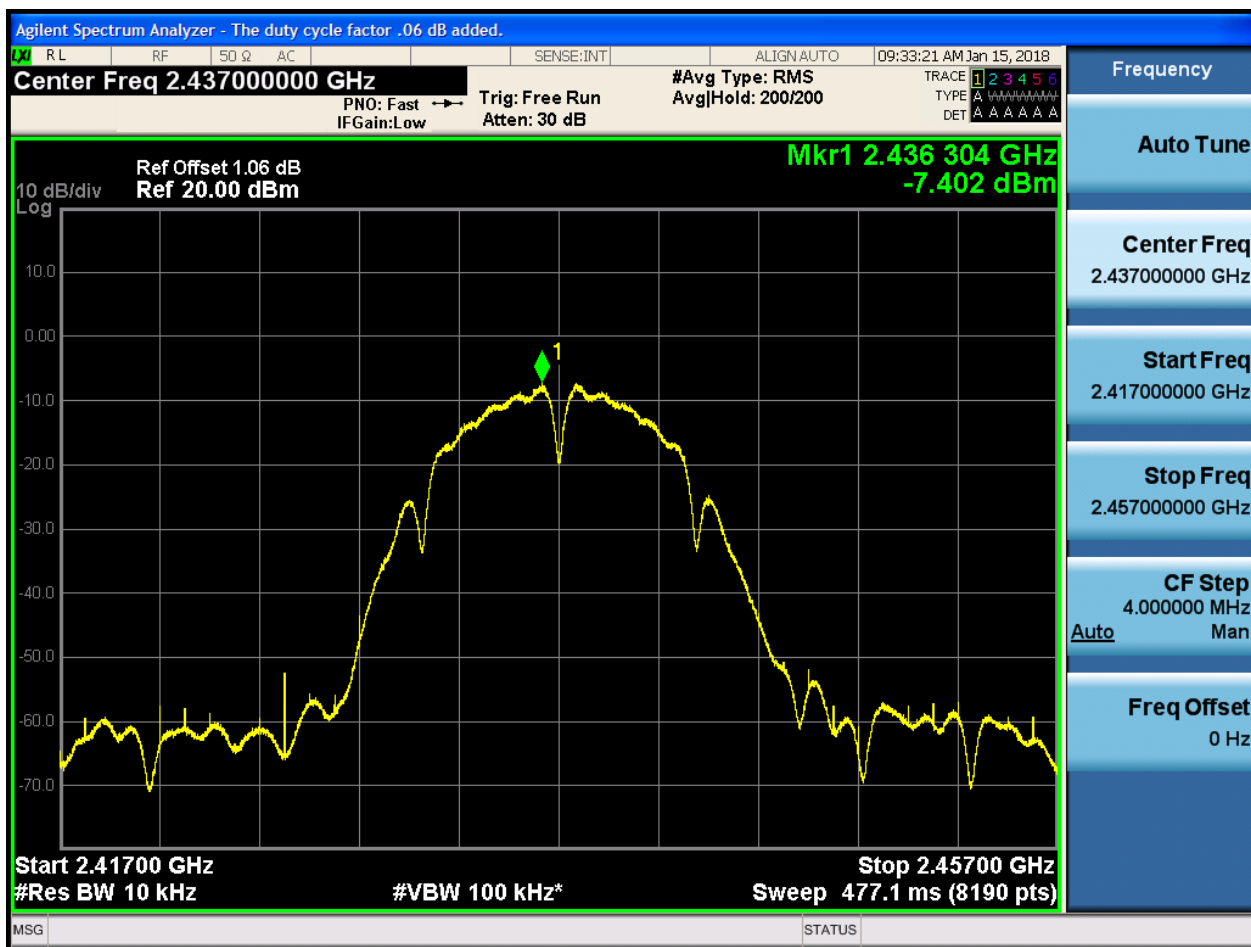


2.2 11B_L@Ant 2



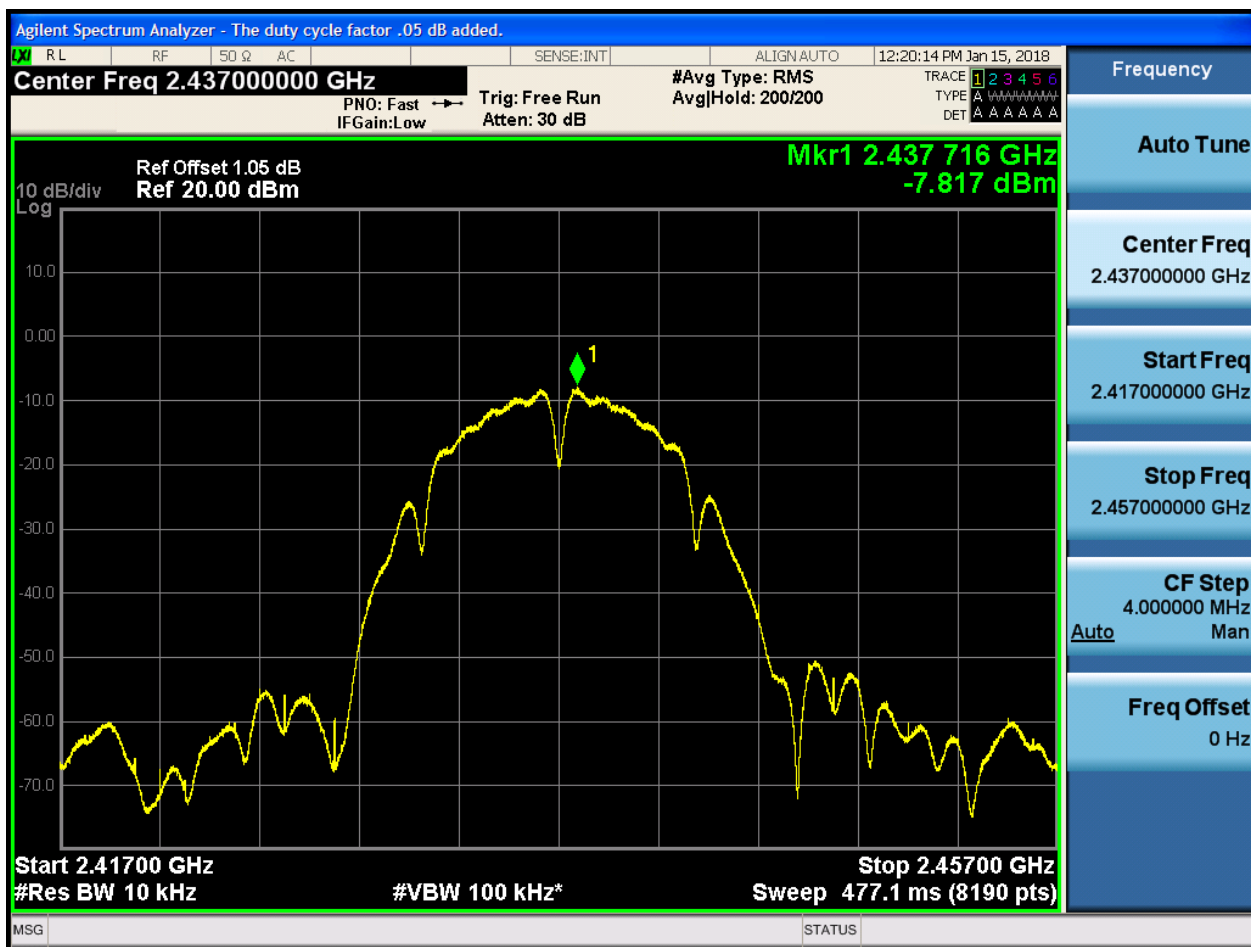


2.3 11B_M@Ant 1



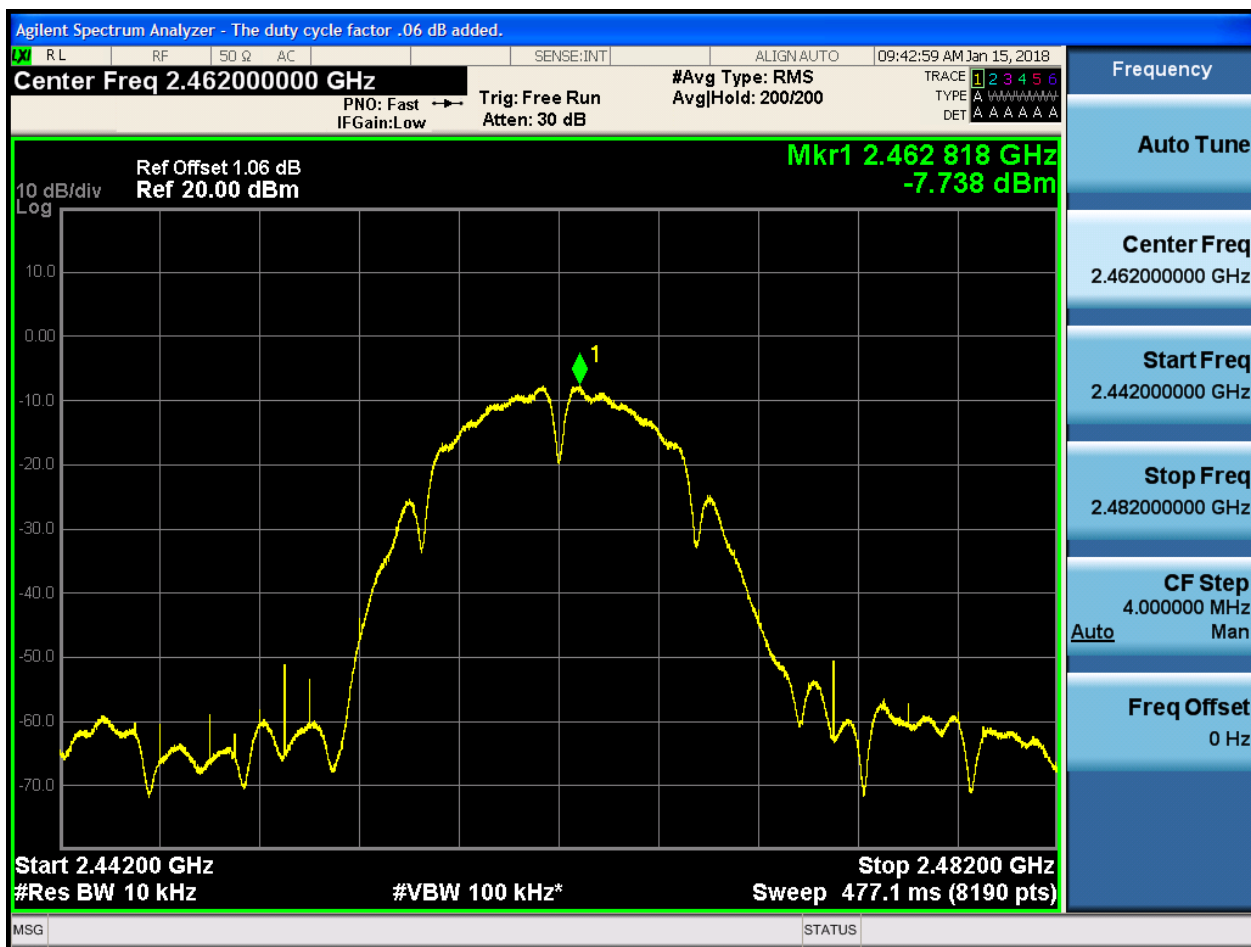


2.4 11B_M@Ant 2



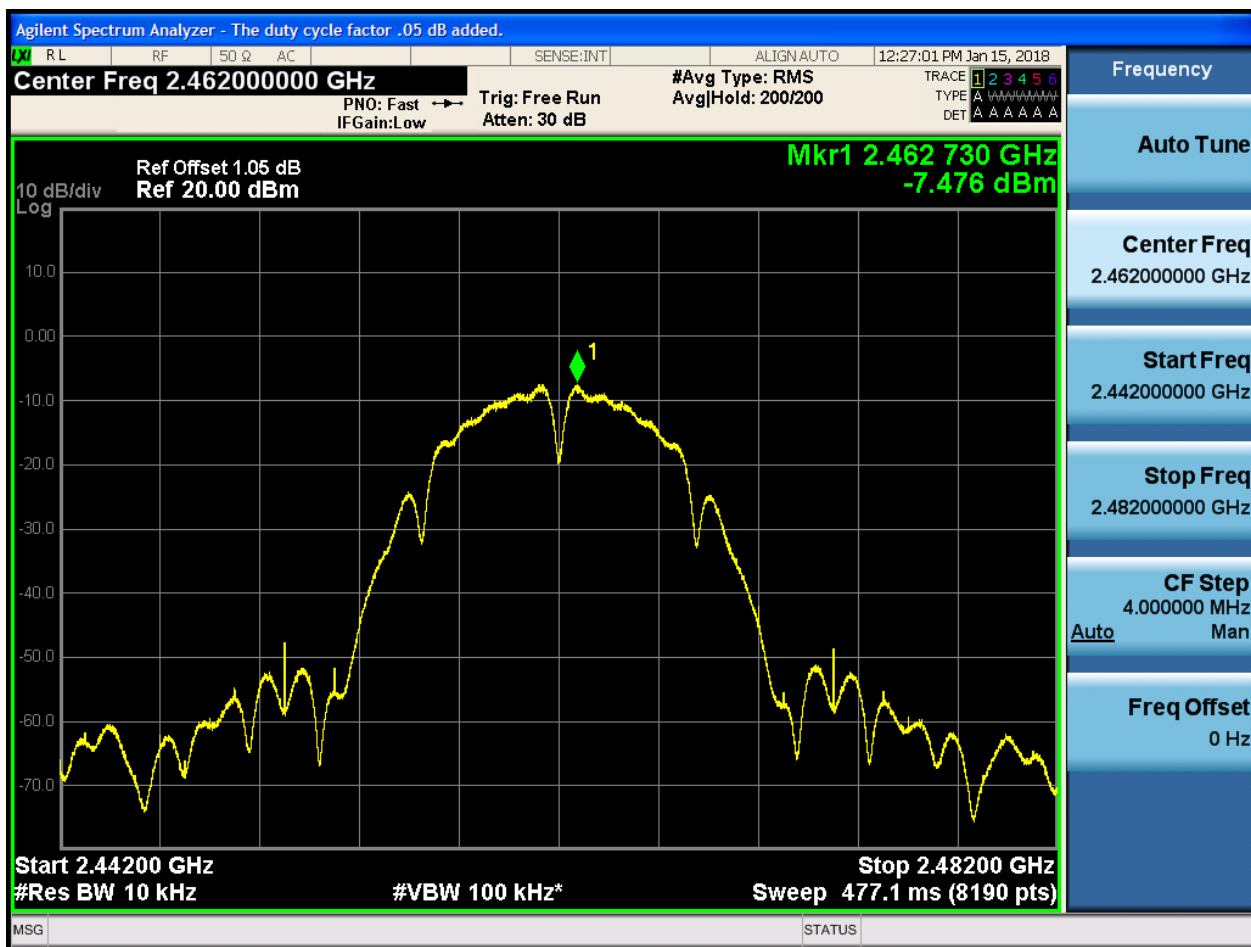


2.5 11B_H@Ant 1



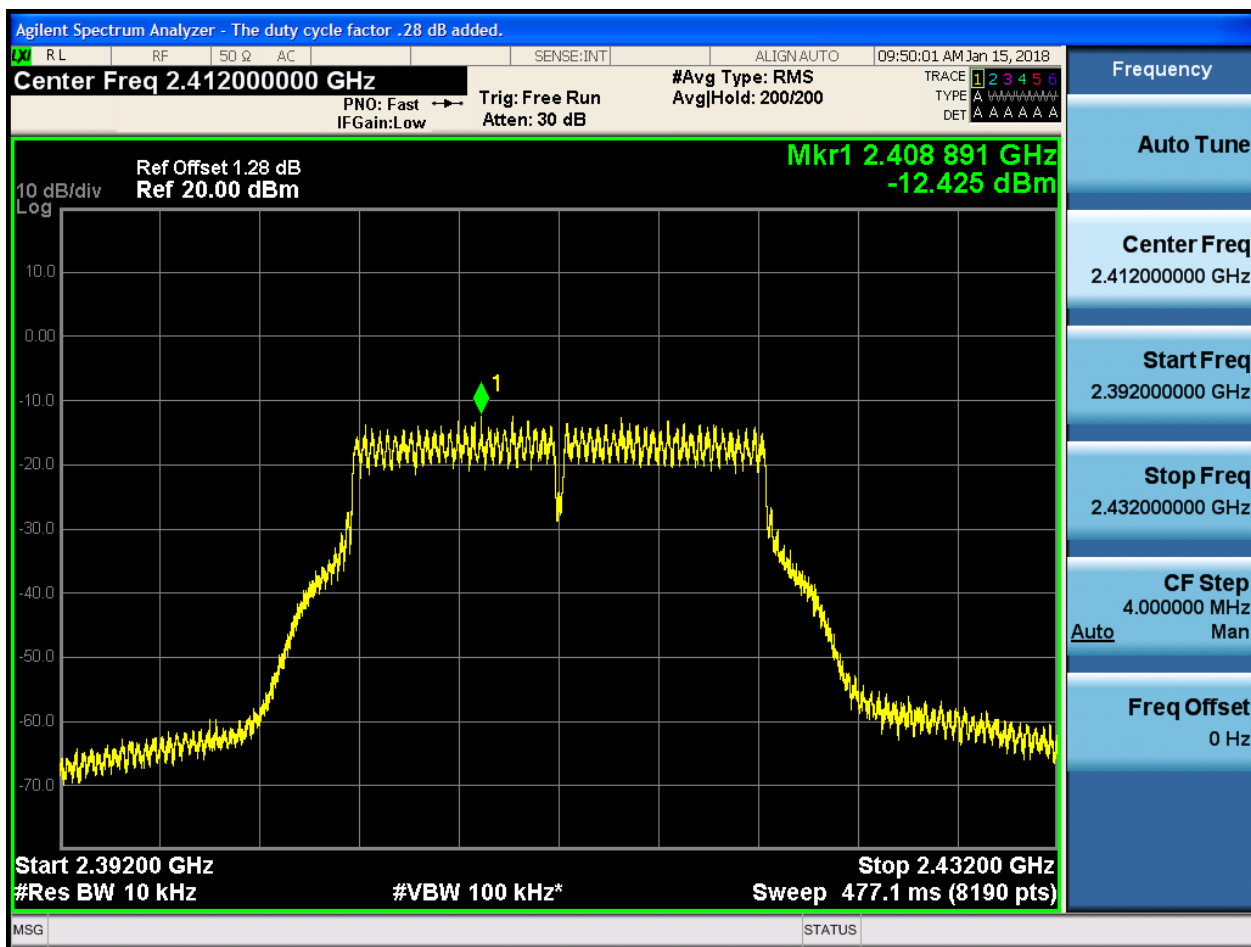


2.6 11B_H@Ant 2

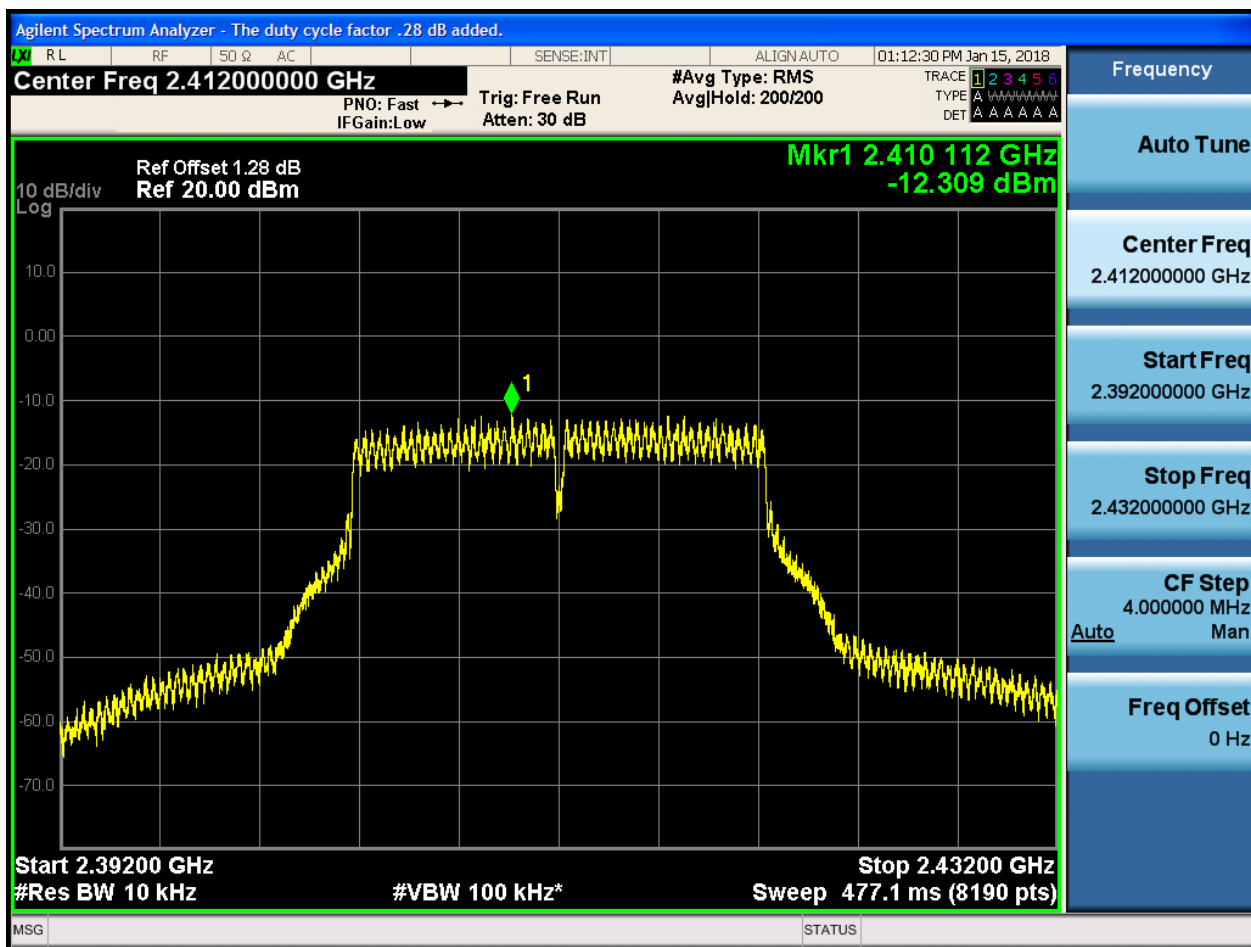




2.7 11G_L@Ant 1



2.8 11G_L@Ant 2





Agilent Spectrum Analyzer - The duty cycle factor .28 dB added.

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 09:57:25 AM Jan 15, 2018

Center Freq 2.437000000 GHz #Avg Type: RMS Avg/Hold: 200/200
PNO: Fast Trig: Free Run
IFGain:Low Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE A W W W W W W W W
DET A A A A A A

Ref Offset 1.28 dB
Ref 20.00 dBm

**Mkr1 2.433 896 GHz
-11.826 dBm**

10 dB/div
Log

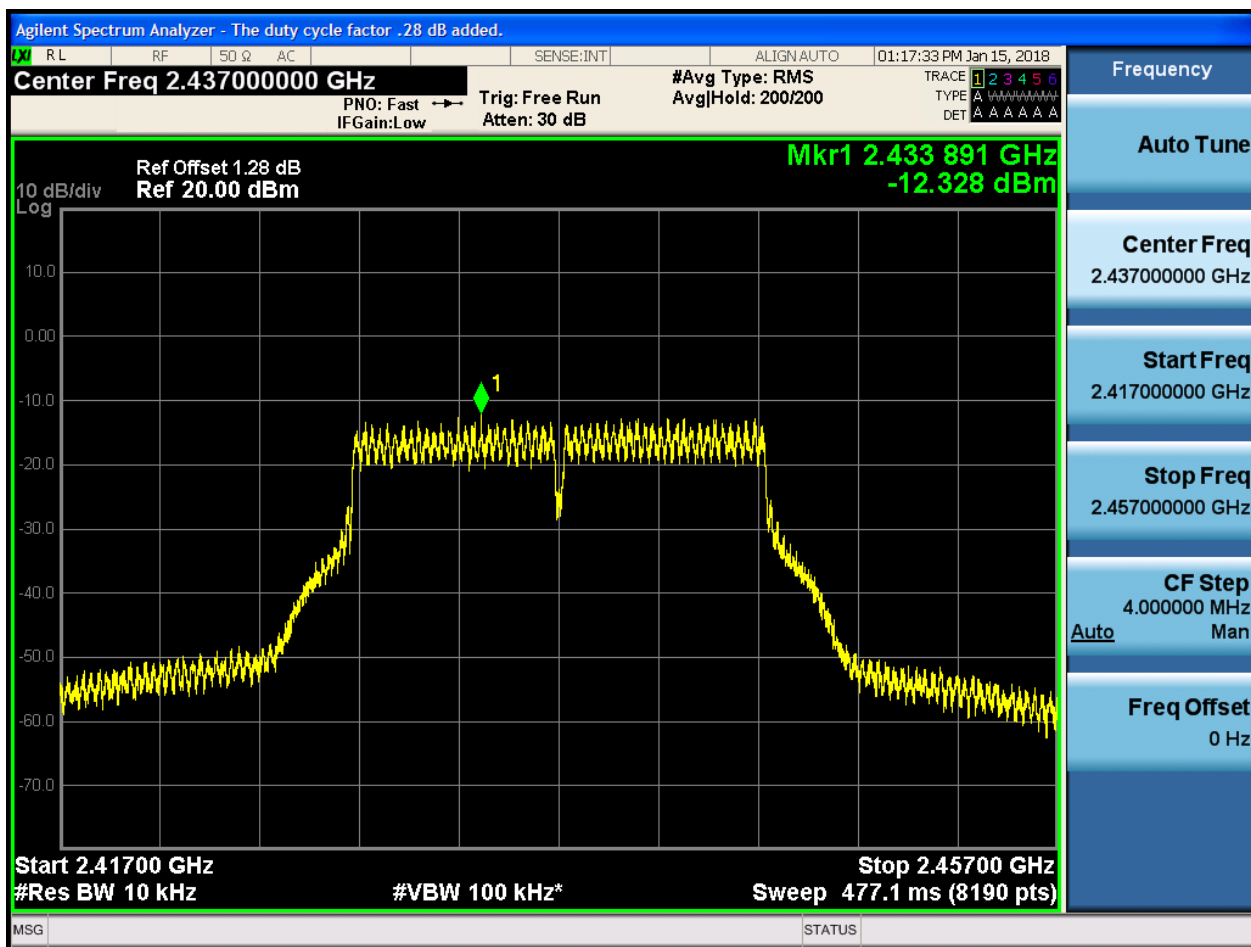
Start 2.41700 GHz #Res BW 10 kHz #VBW 100 kHz* Stop 2.45700 GHz Sweep 477.1 ms (8190 pts)

MSG STATUS

Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.417000000 GHz
Stop Freq 2.457000000 GHz
CF Step 4.000000 MHz <u>Auto</u> Man
Freq Offset 0 Hz

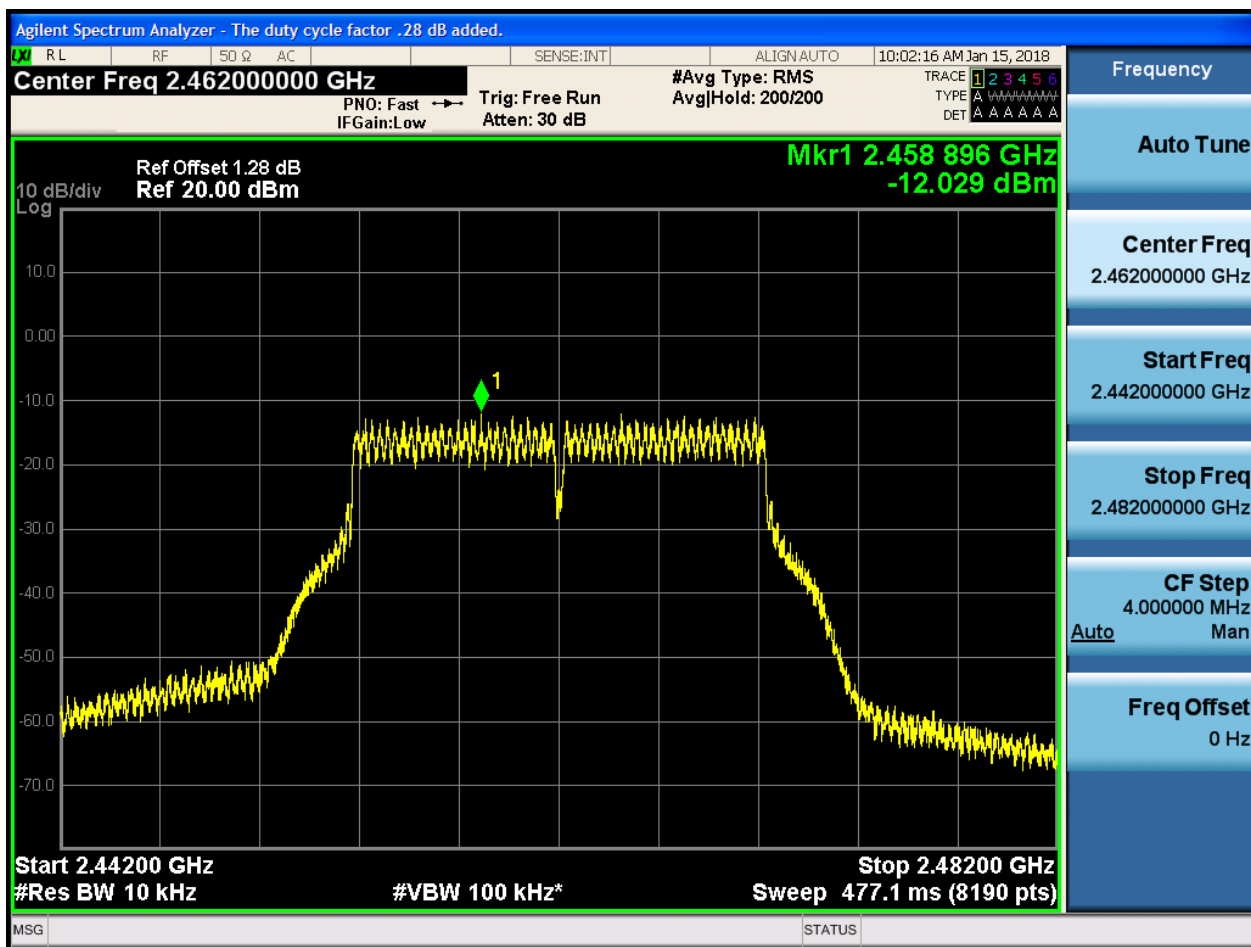


2.10 11G_M@Ant 2

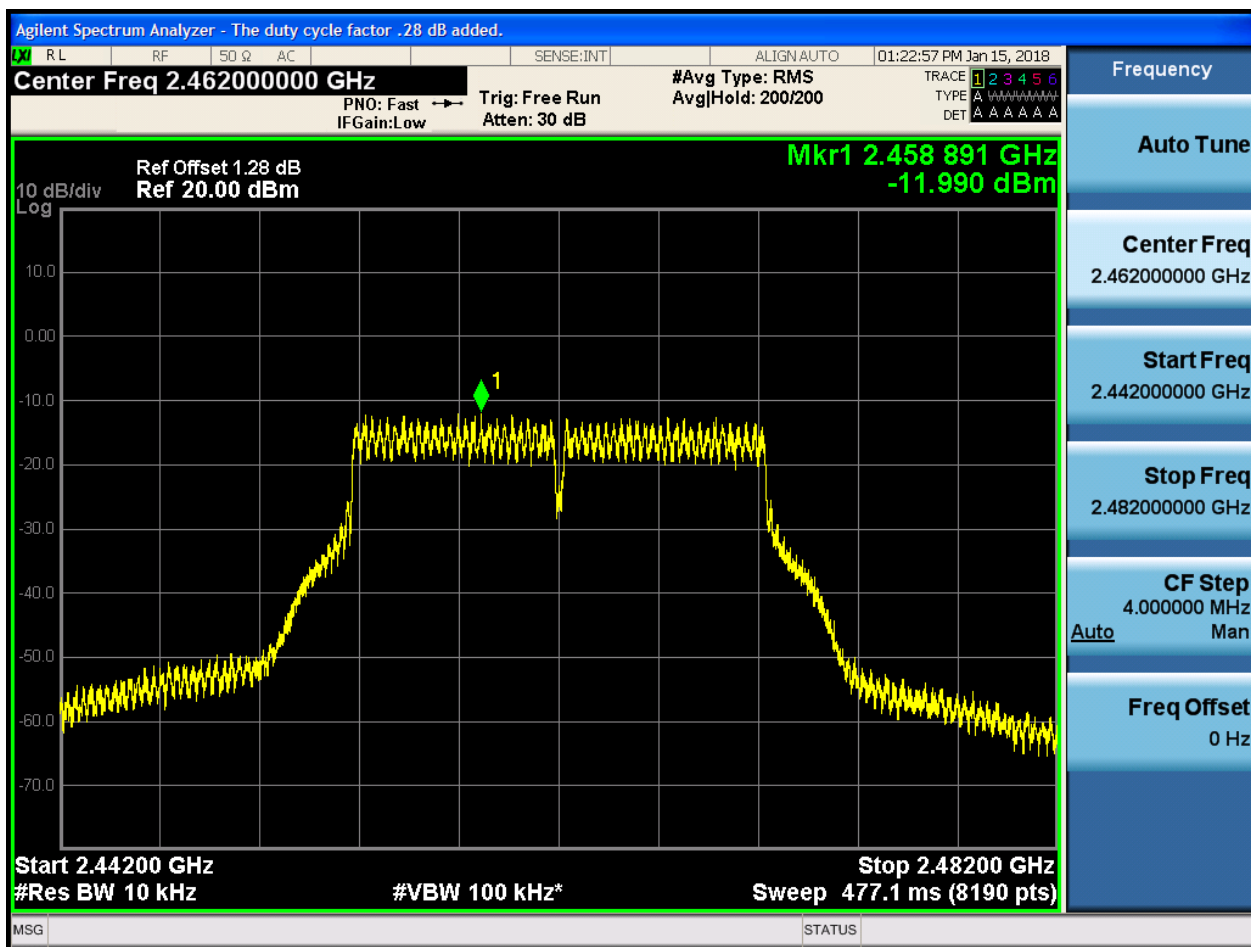




2.11 11G_H@Ant 1

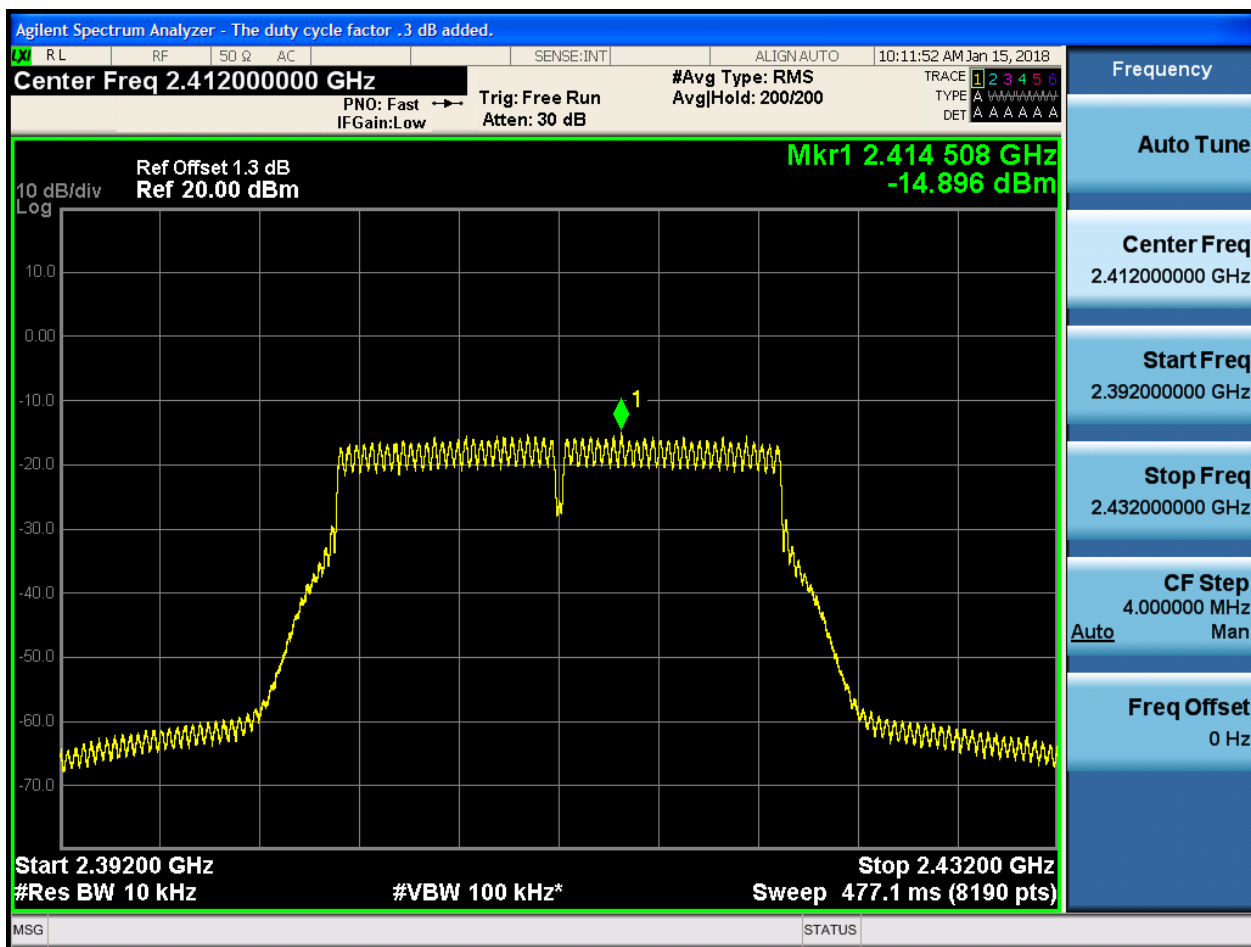


2.12 11G_H@Ant 2

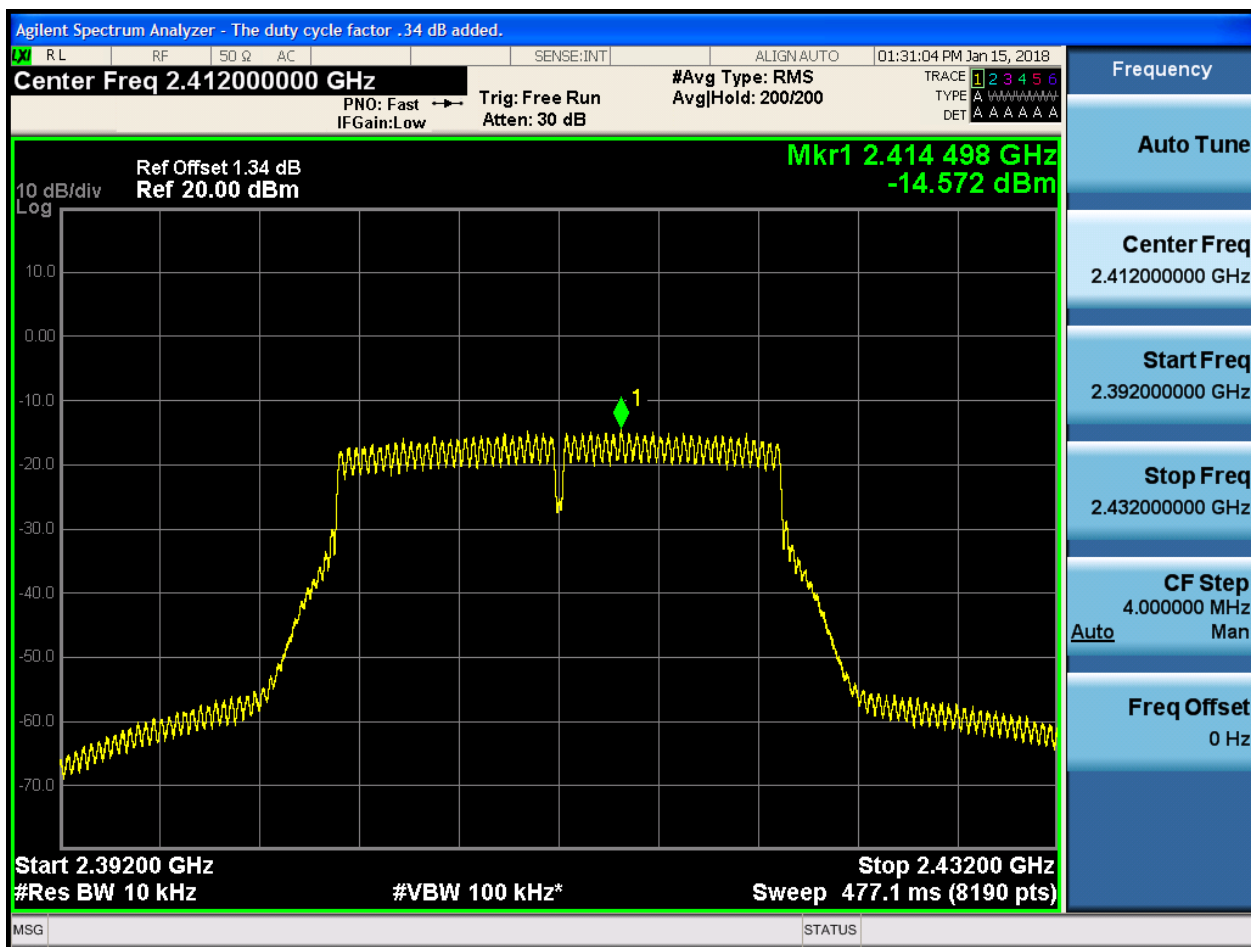




2.13 11N20_L@Ant 1

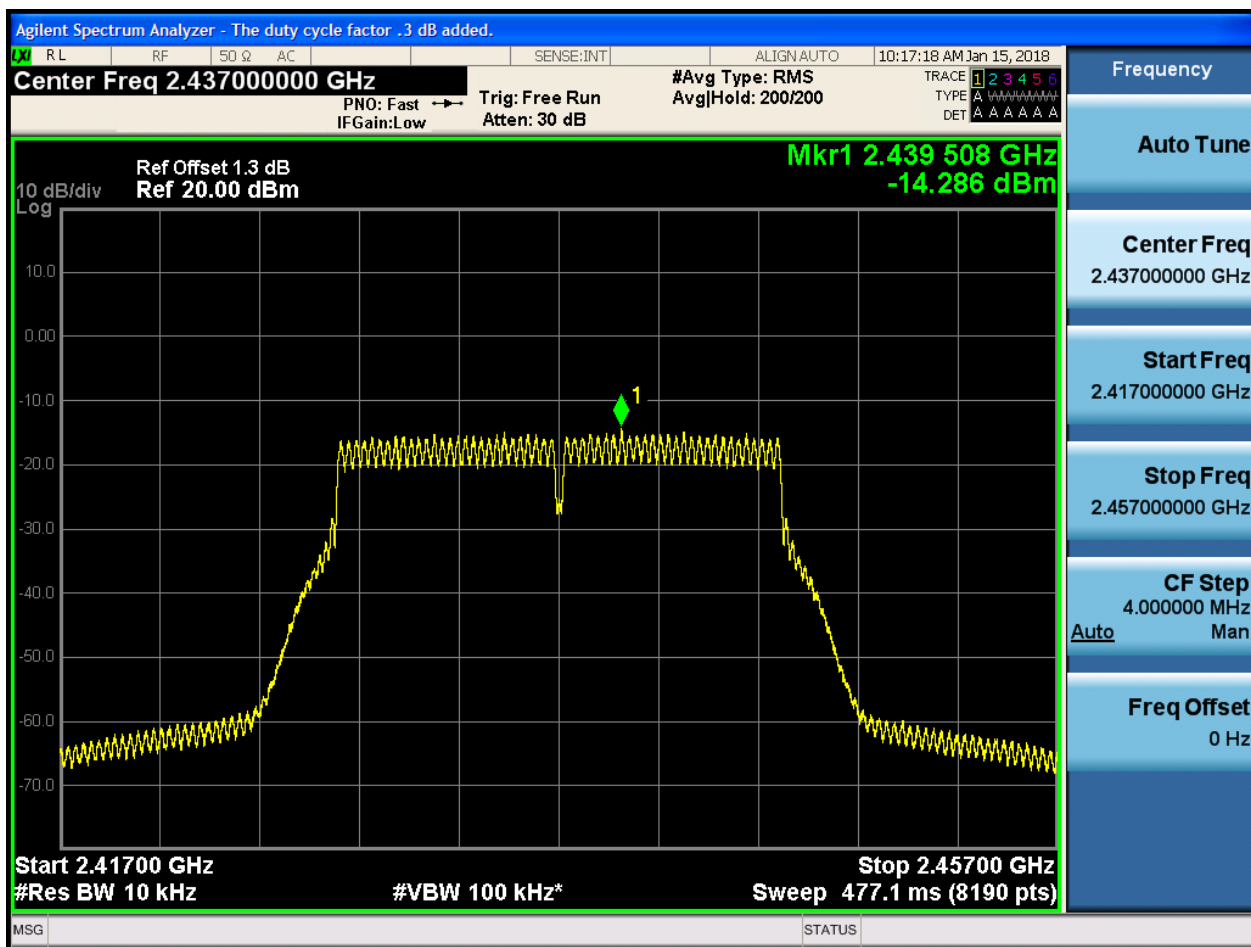


2.14 11N20_L@Ant 2





2.15 11N20_M@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .34 dB added.

Center Freq 2.437000000 GHz

PNO: Fast → Trig: Free Run
IFGain:Low Atten: 30 dB

#Avg Type: RMS
AvgHold: 200/200

TRACE 1 2 3 4 5 6
TYPE A W W W W W W W W
DET A A A A A A

Ref Offset 1.34 dB
Ref 20.00 dBm

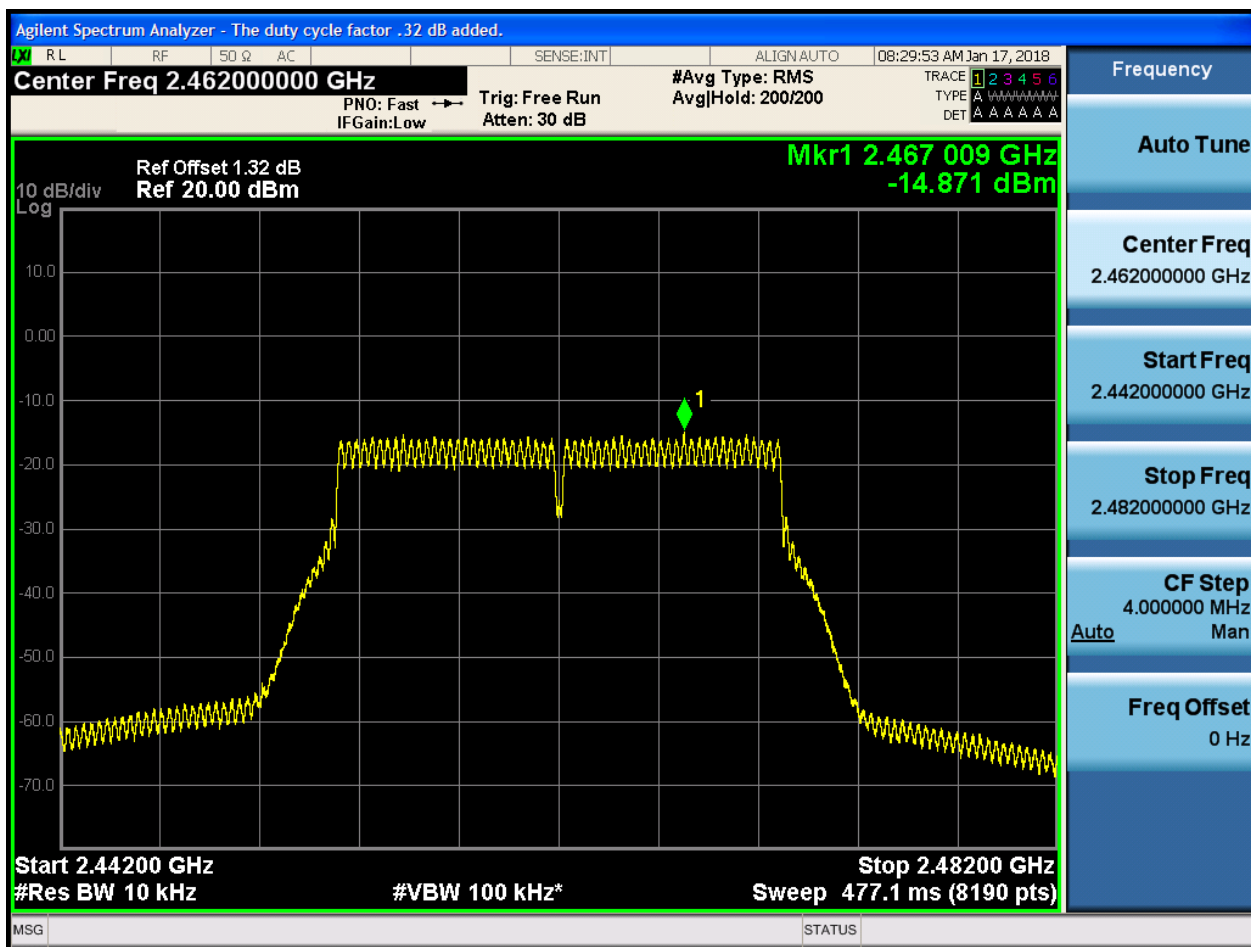
Mkr1 2.435 752 GHz
-14.829 dBm

Start 2.41700 GHz #Res BW 10 kHz #VBW 100 kHz* Stop 2.45700 GHz Sweep 477.1 ms (8190 pts)

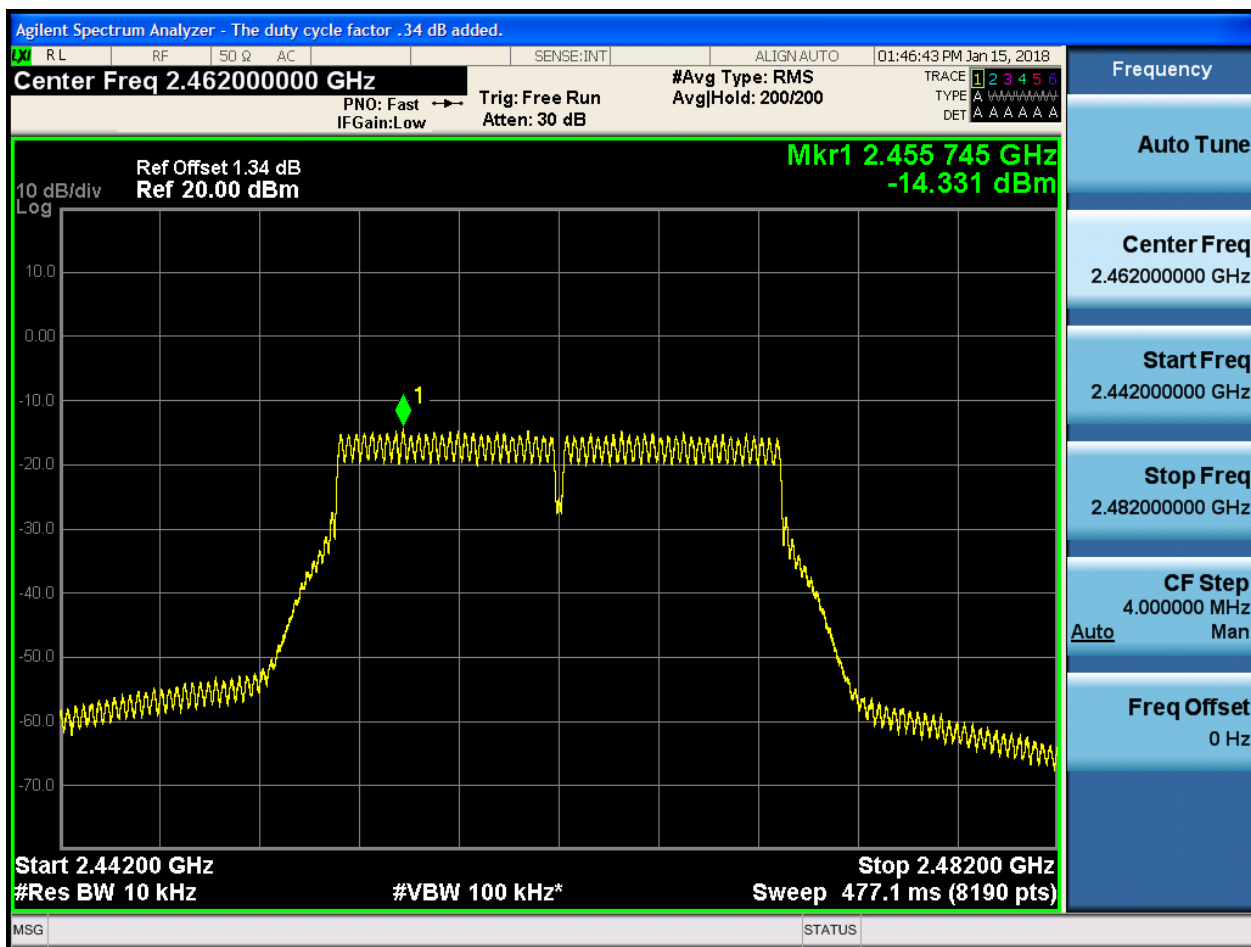
Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.417000000 GHz
Stop Freq 2.457000000 GHz
CF Step 4.000000 MHz <u>Auto</u> Man
Freq Offset 0 Hz



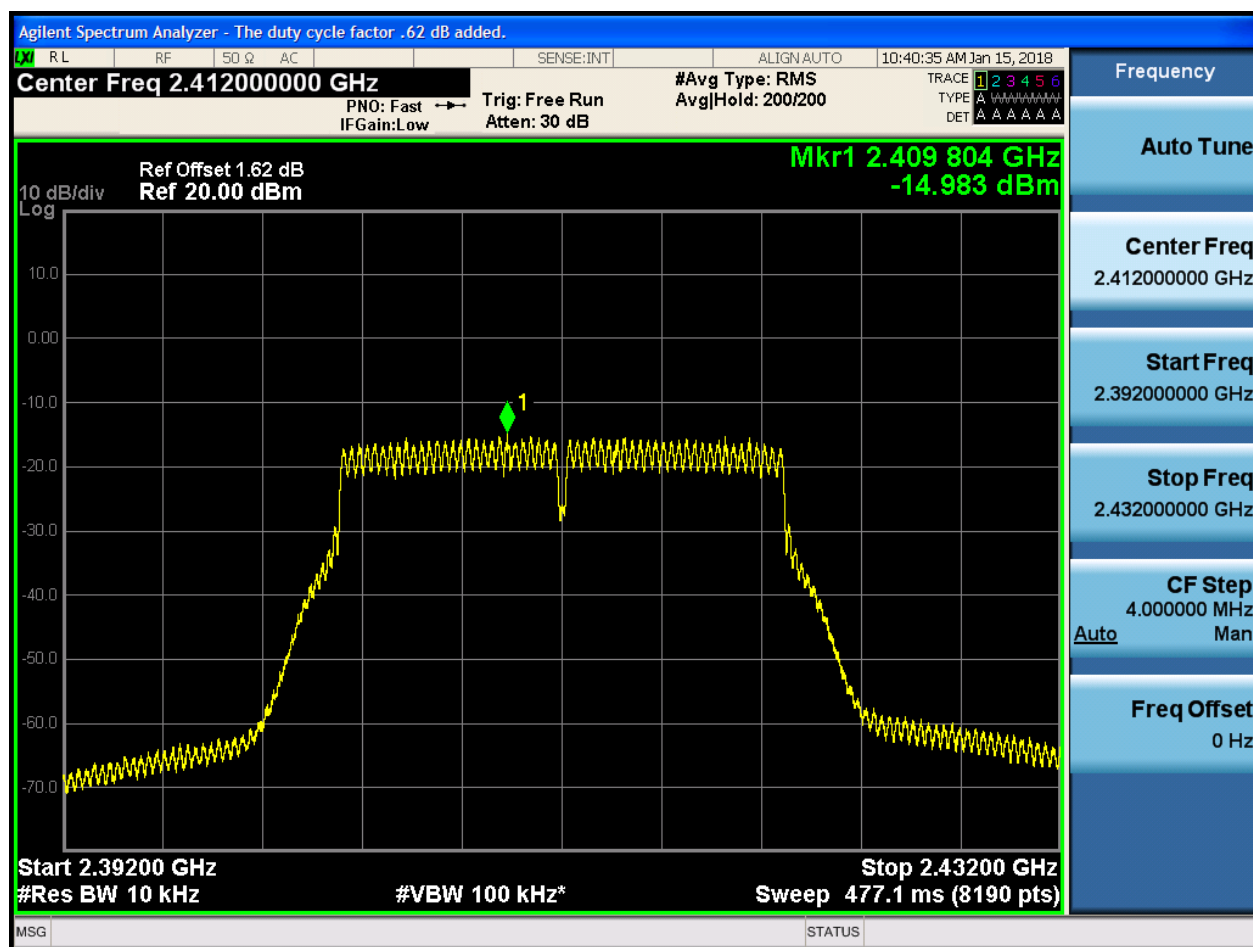
2.17 11N20_H@Ant 1



2.18 11N20_H@Ant 2

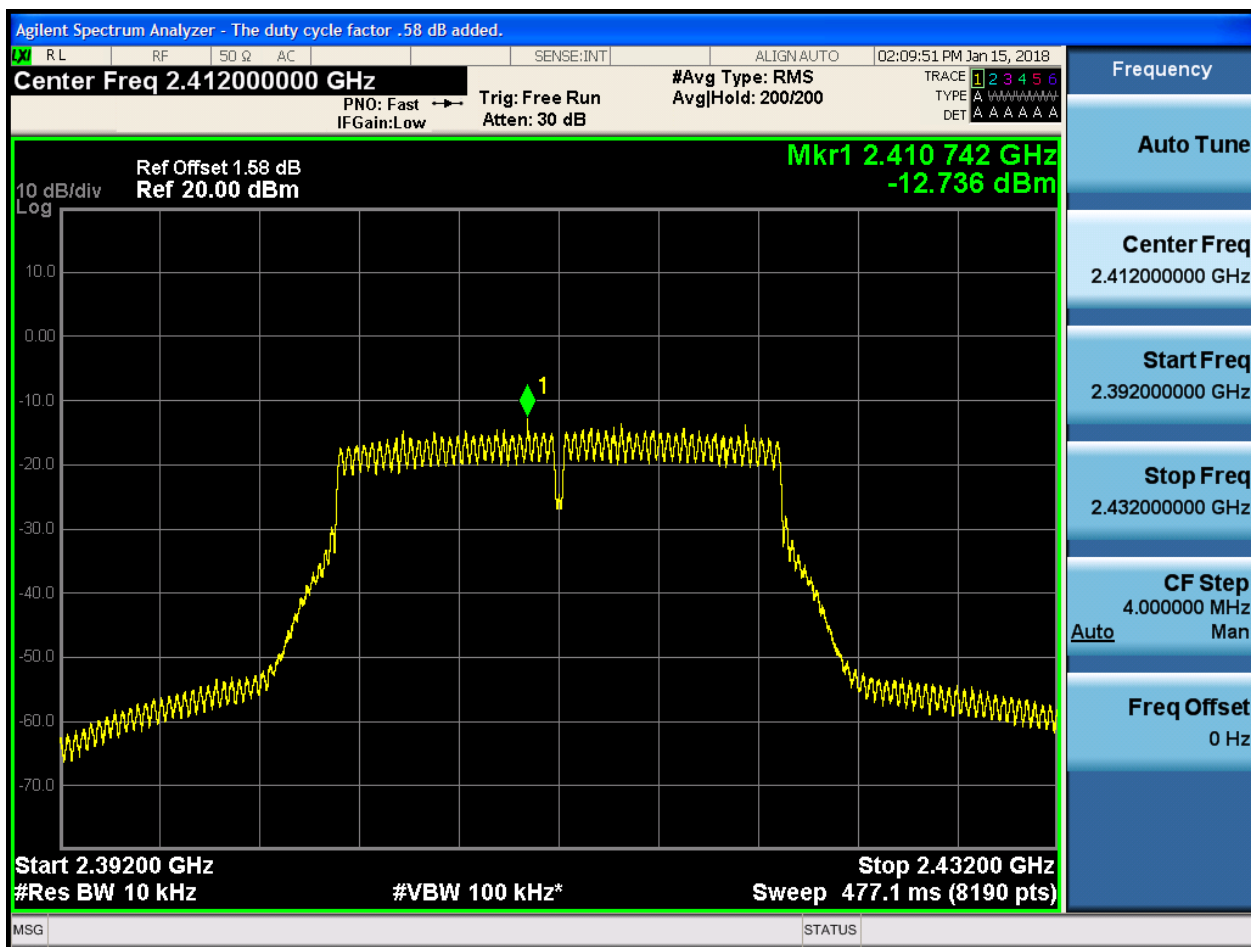


2.13 11N20m_L@Ant 1



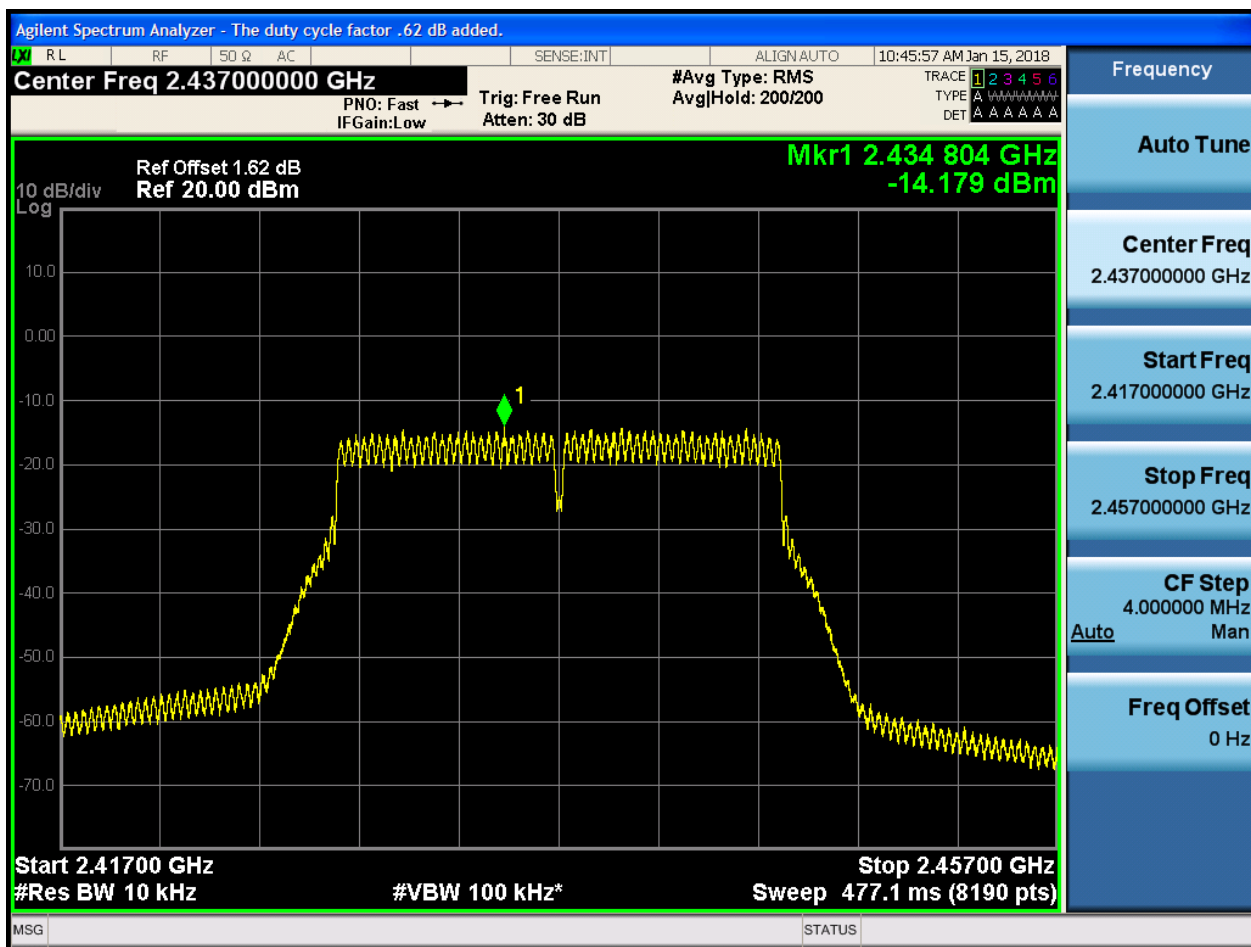


2.14 11N20m_L@Ant 2

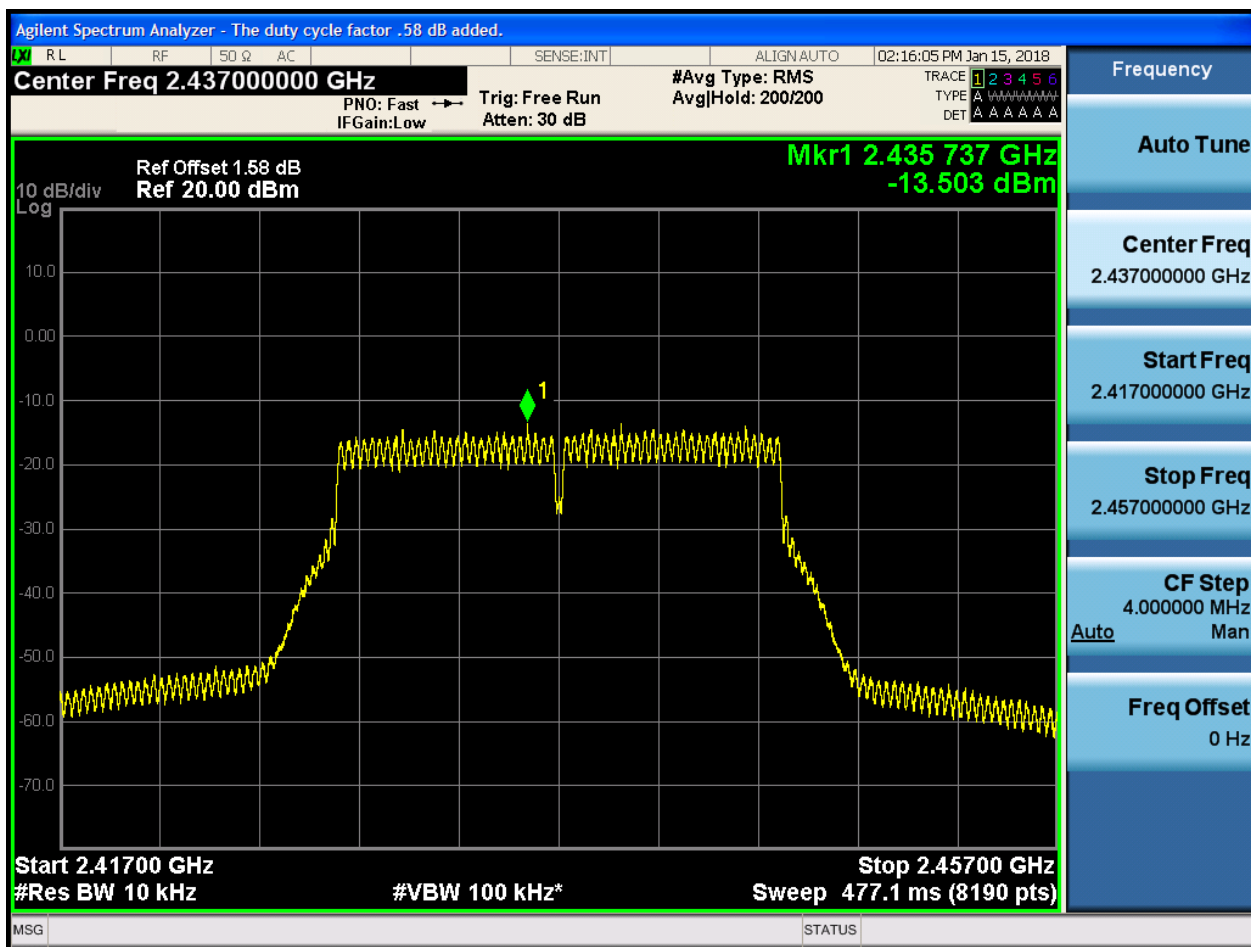




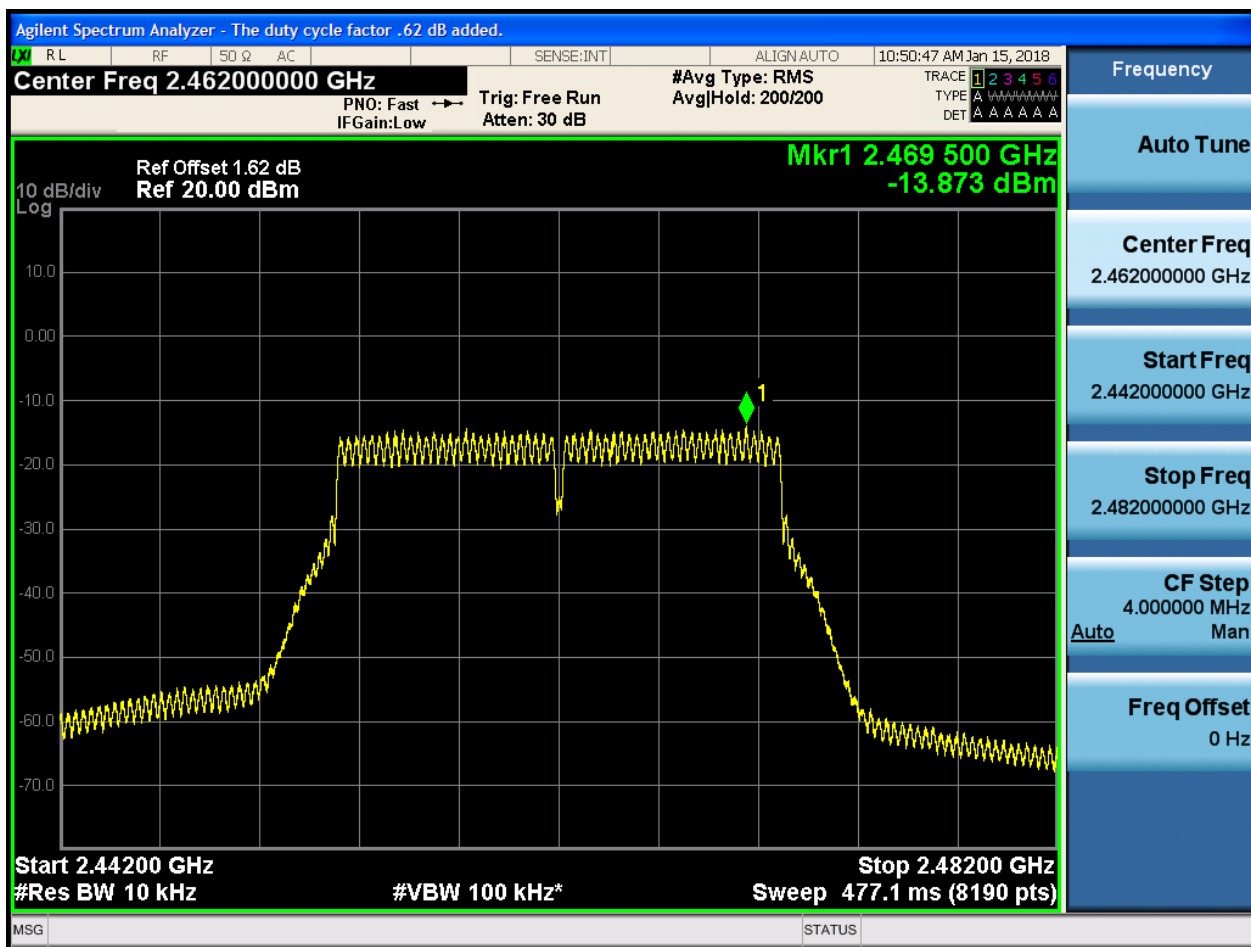
2.15 11N20m_M@Ant 1



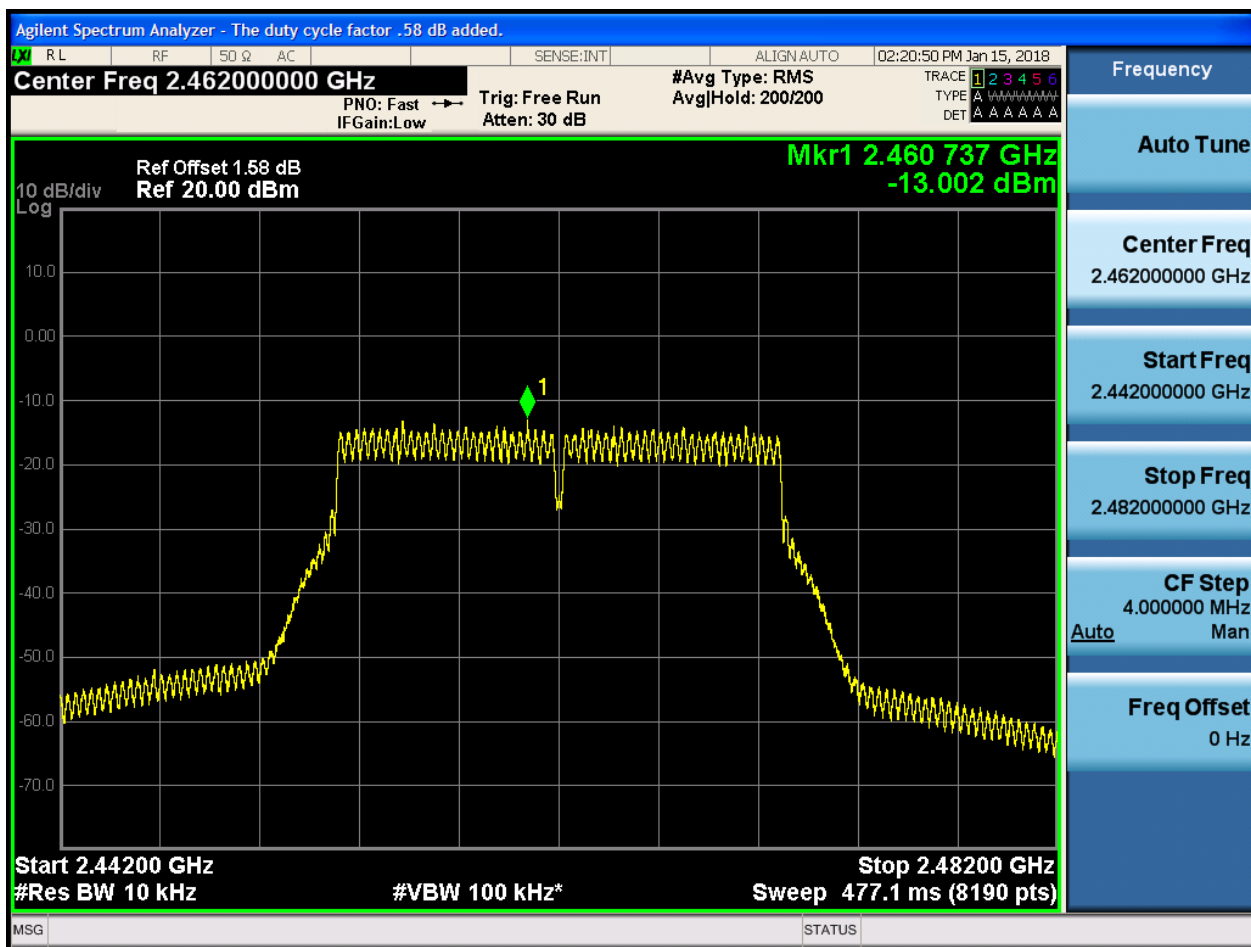
2.16 11N20m_M@Ant 2



2.17 11N20m_H@Ant 1

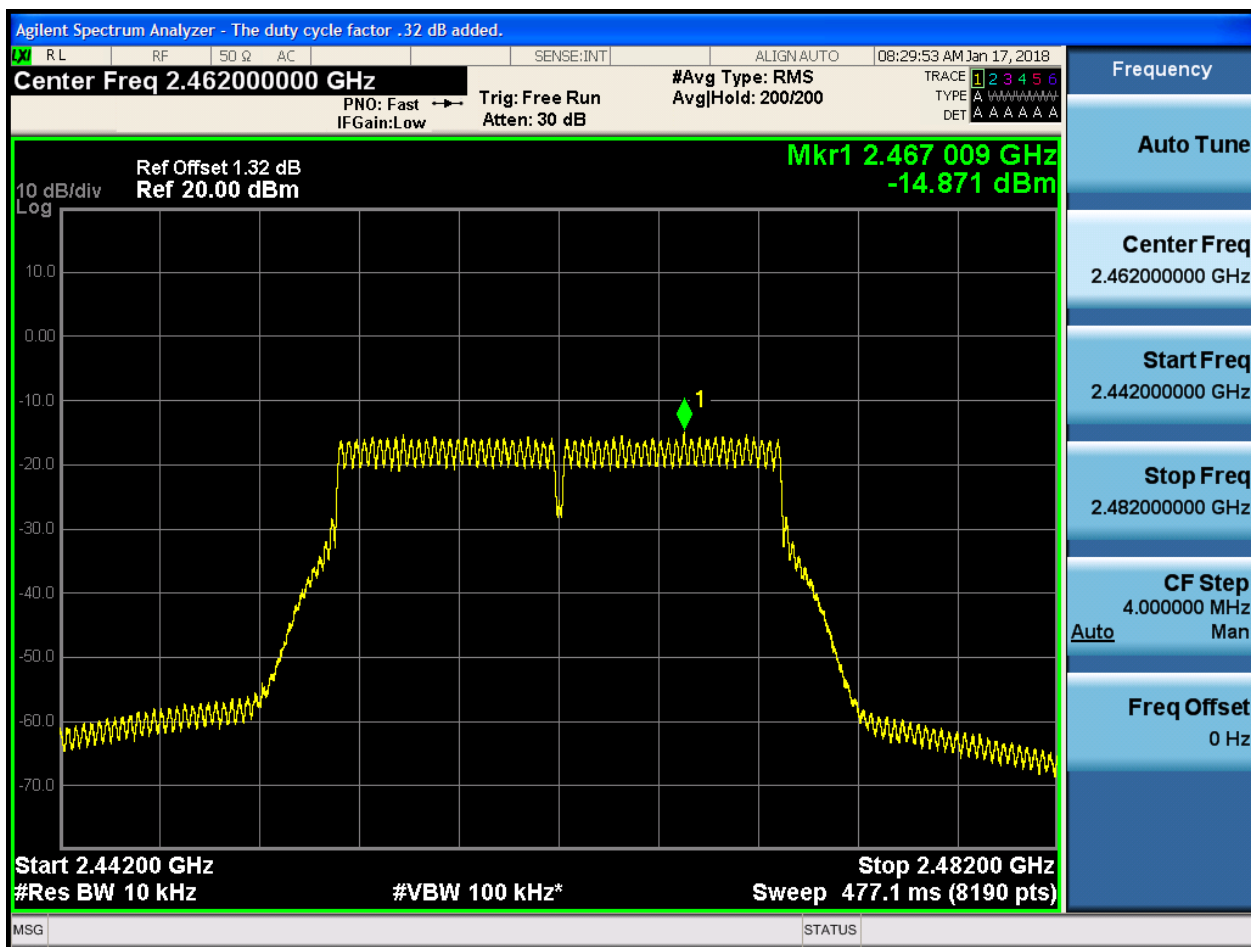


2.18 11N20m_H@Ant 2





2.25 11G CDD L@Ant 1





Agilent Spectrum Analyzer - The duty cycle factor .31 dB added.

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 01:53:13 PM Jan 15, 2018

Center Freq 2.412000000 GHz #Avg Type: RMS AvgHold: 200/200
PNO: Fast → Trig: Free Run
IFGain:Low Atten: 30 dB

TRACE 1 2 3 4 5 6
TYPE A W W W W W W W W
DET A A A A A A

Ref Offset 1.31 dB
Ref 20.00 dBm

**Mkr1 2.416 364 GHz
-11.282 dBm**

10 dB/div
Log

Start 2.39200 GHz Stop 2.43200 GHz
#Res BW 10 kHz #VBW 100 kHz* Sweep 477.1 ms (8190 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.412000000 GHz

Start Freq
2.392000000 GHz

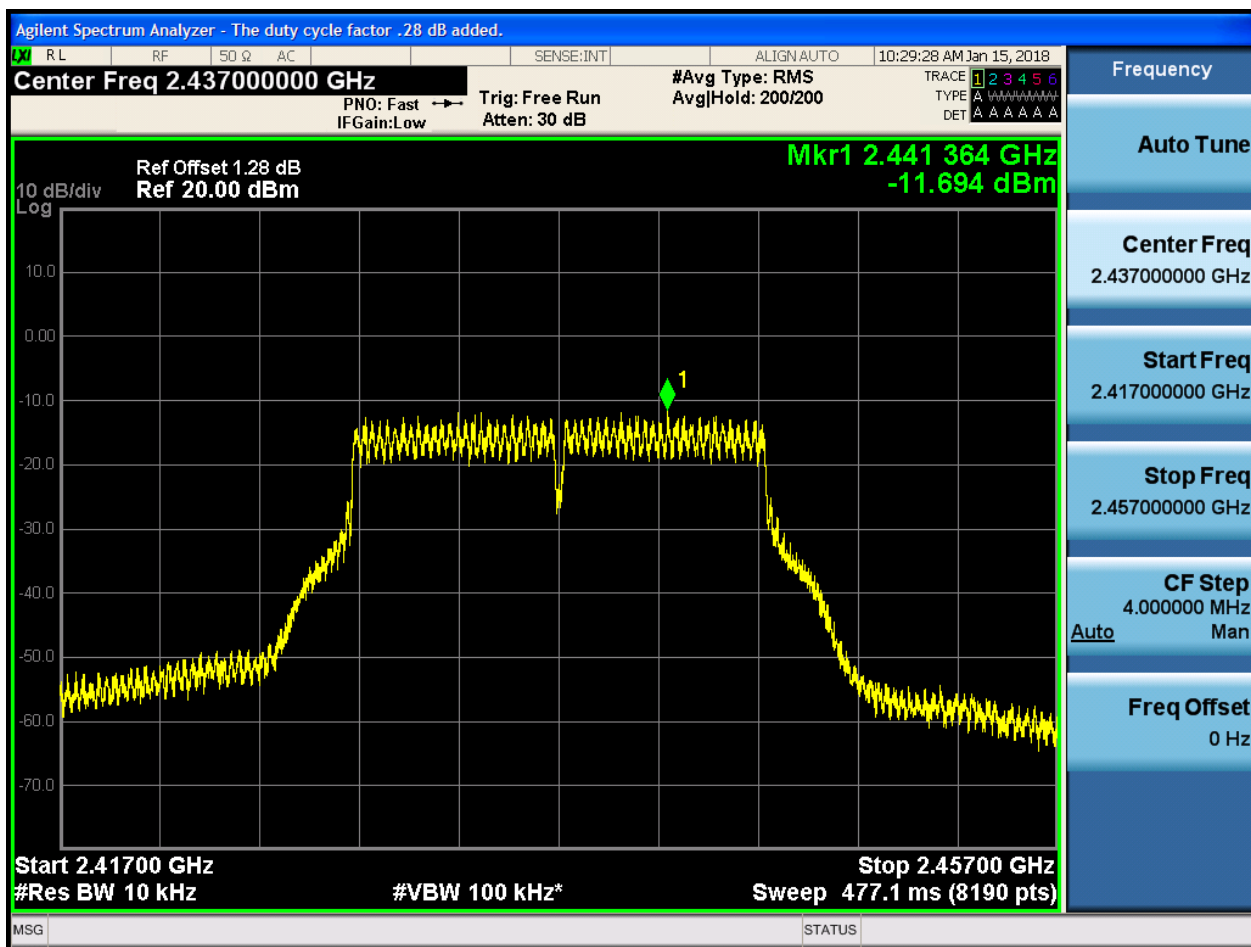
Stop Freq
2.432000000 GHz

CF Step
4.000000 MHz
Auto Man

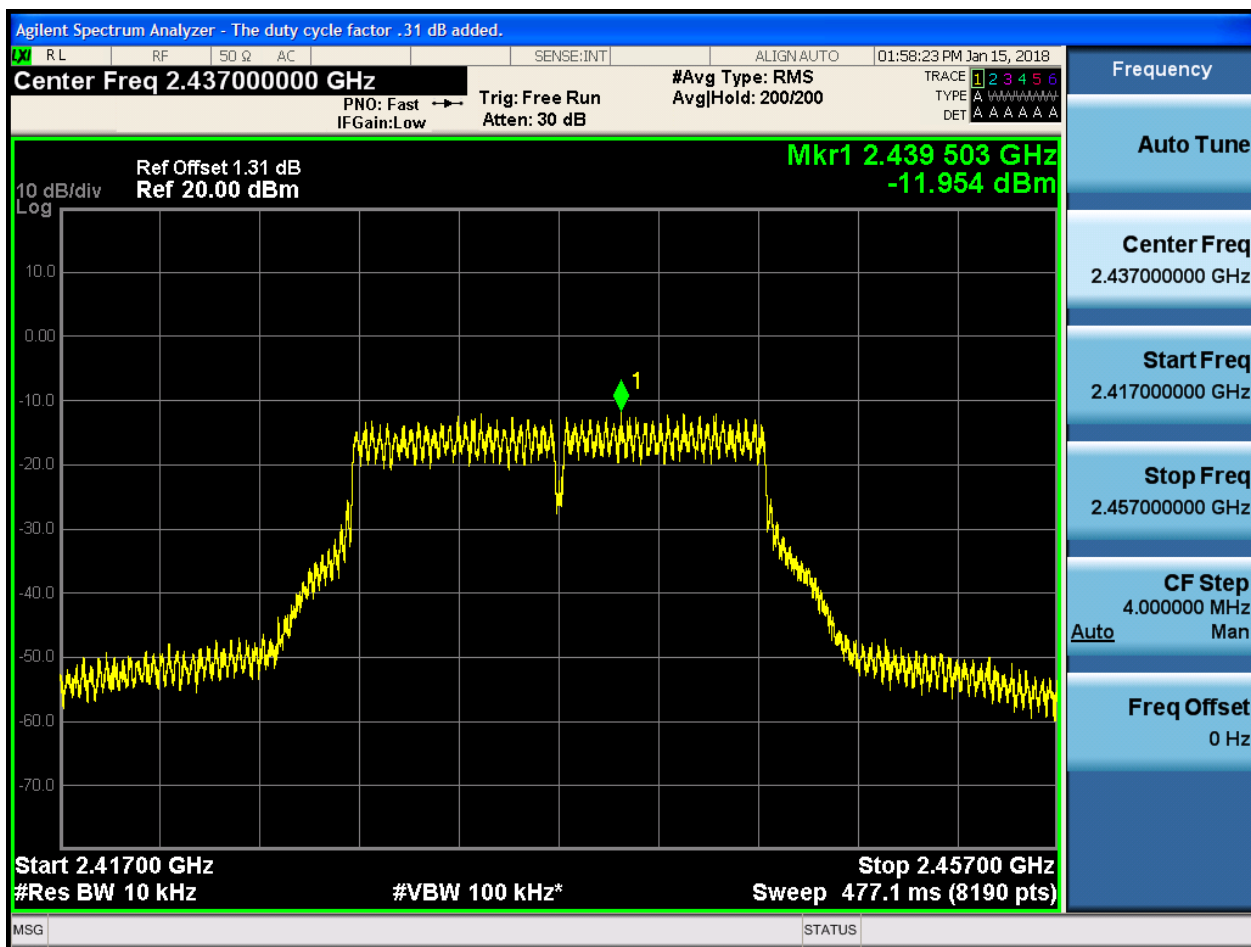
Freq Offset
0 Hz



2.27 11G CDD M@Ant 1

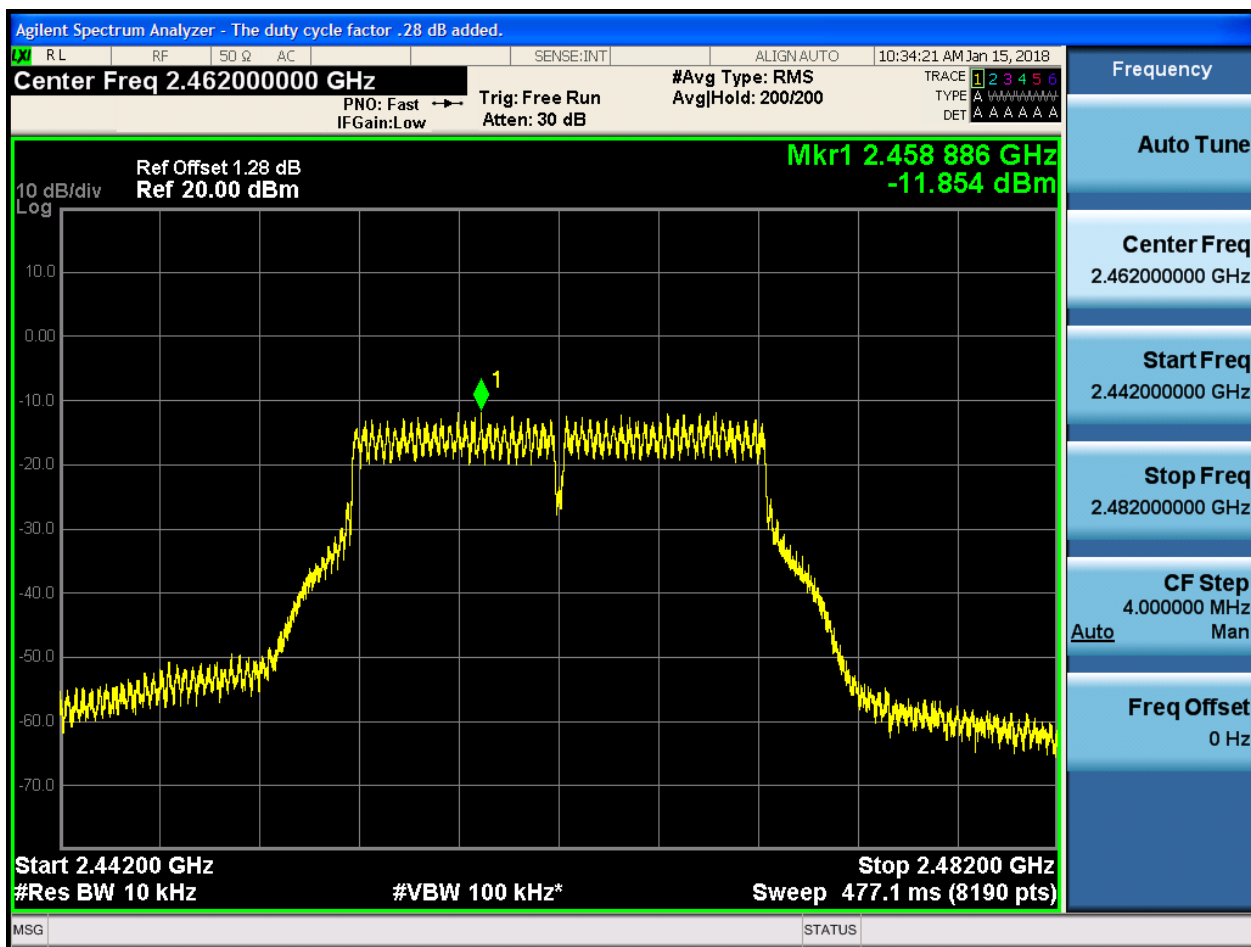


2.28 11G CDD M@Ant 2



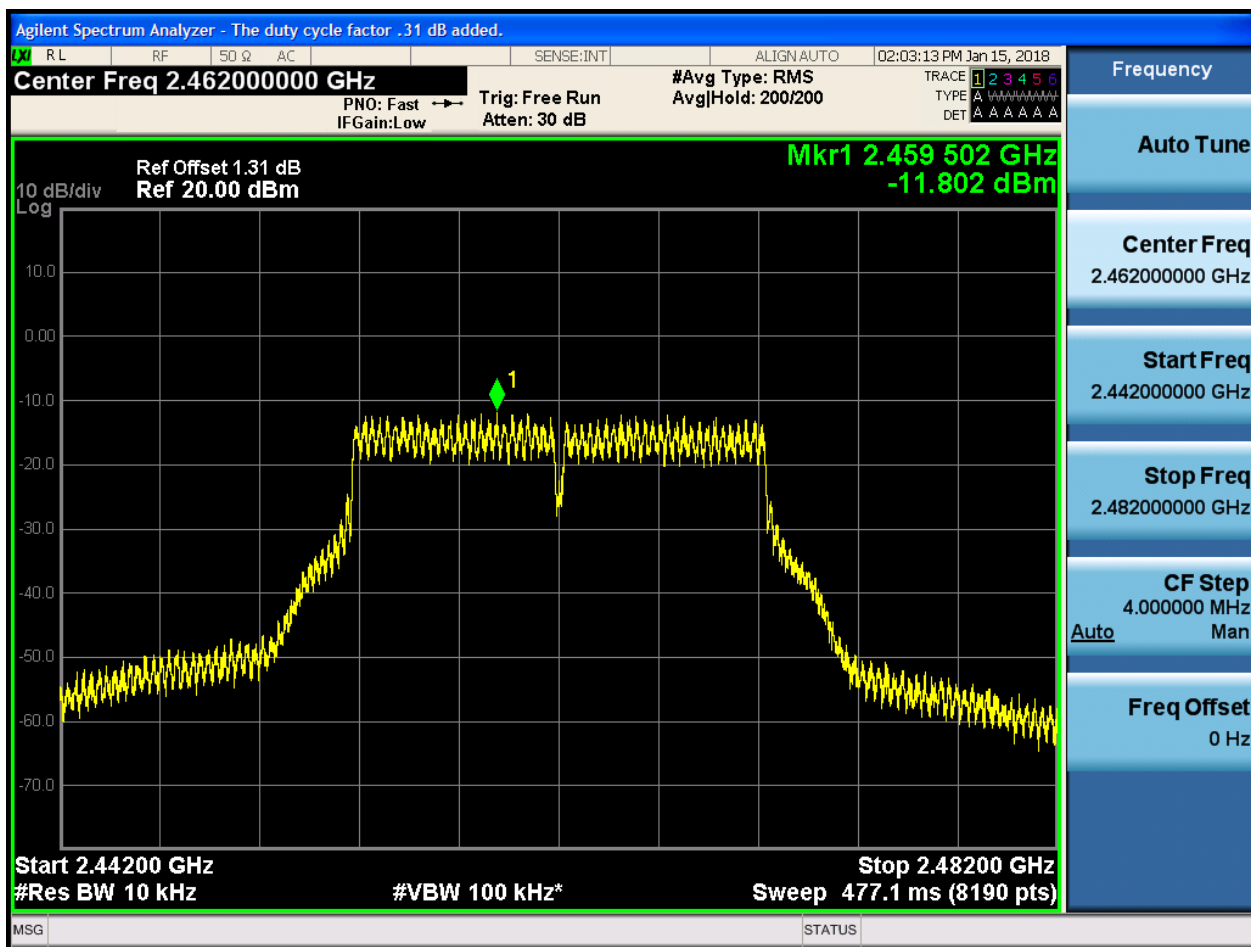


2.29 11G CDD H@Ant 1





2.30 11G CDD H@Ant 2



Appendix F: 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	10.80	-35.10	pass
11B	L	2412	Ant 2	10.60	-39.14	pass
11B	H	2462	Ant 1	10.74	-49.08	pass
11B	H	2462	Ant 2	10.80	-48.74	pass
11G	L	2412	Ant 1	3.53	-40.13	pass
11G	L	2412	Ant 2	4.33	-32.64	pass
11G	H	2462	Ant 1	4.21	-39.78	pass
11G	H	2462	Ant 2	4.66	-38.39	pass
11N20	L	2412	Ant 1	2.63	-38.34	pass
11N20	L	2412	Ant 2	3.29	-36.47	pass
11N20	H	2462	Ant 1	3.03	-44.2	pass
11N20	H	2462	Ant 2	3.89	-37.14	pass
11N20m	L	2412	Ant 1	2.86	-41.39	pass
11N20m	L	2412	Ant 2	3.78	-30.72	pass
11N20m	H	2462	Ant 1	3.57	-43.37	pass
11N20m	H	2462	Ant 2	3.98	-37.93	pass
11G CDD	L	2412	Ant 1	4.04	-33.50	pass
11G CDD	L	2412	Ant 2	4.76	-31.51	pass
11G CDD	H	2462	Ant 1	4.66	-38.21	pass
11G CDD	H	2462	Ant 2	4.58	-36.23	pass



Part II - Test Plots

2.1 11B_L@Ant 1



2.2 11B_L@Ant 2



2.3 11B_H@Ant 1

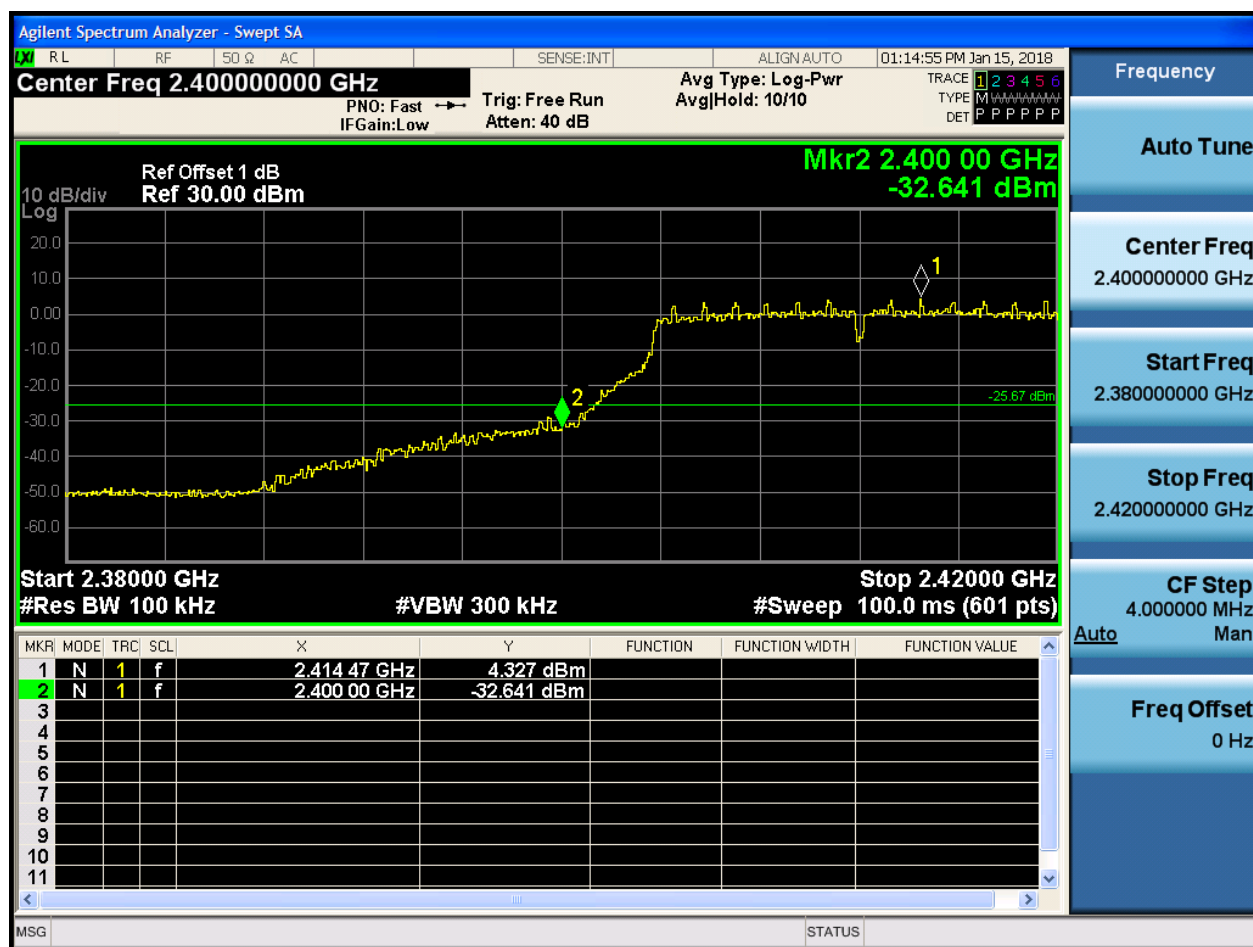


2.4 11B_H@Ant 2



[illegible]

2.6 11G_L@Ant 2



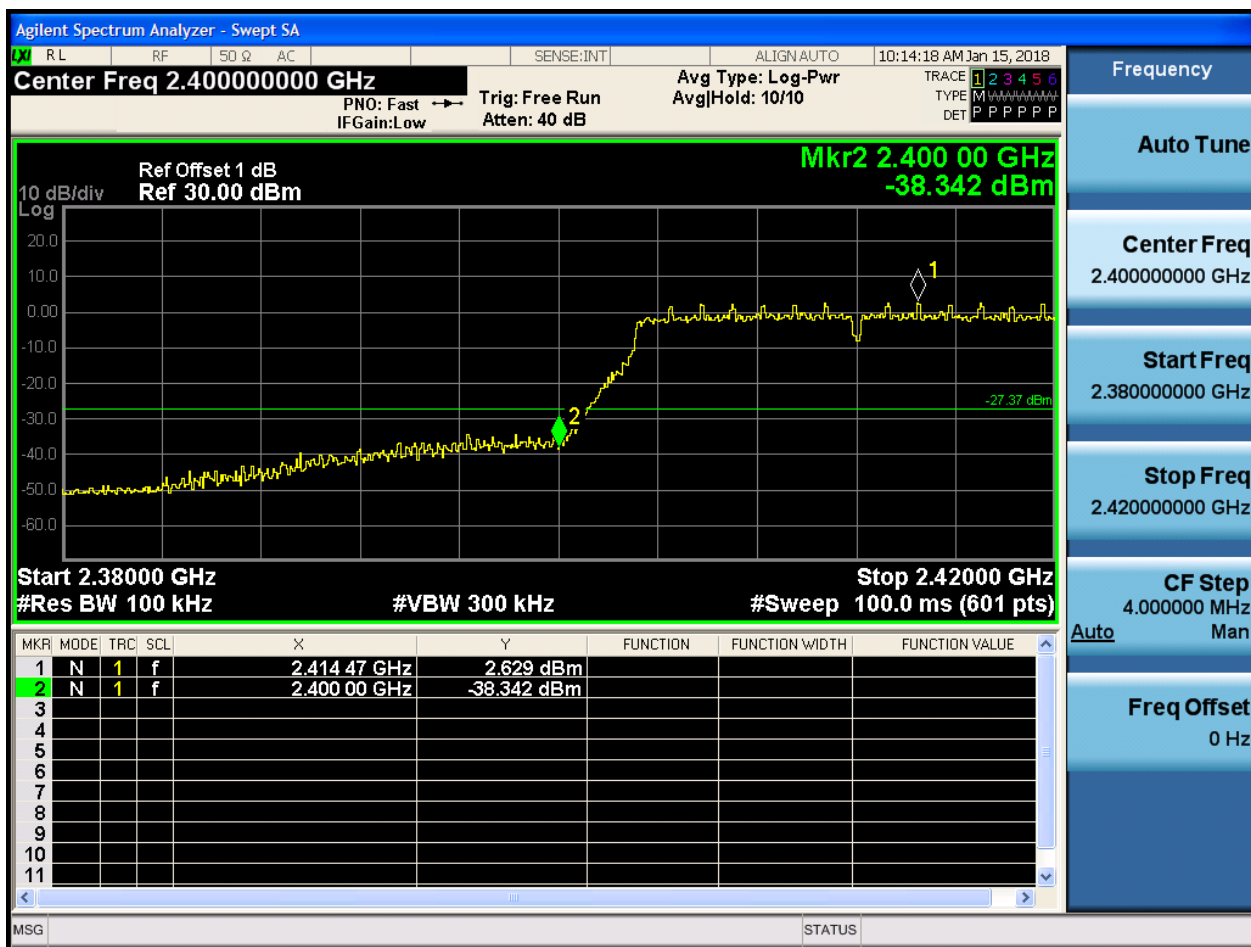
2.7 11G_H@Ant 1



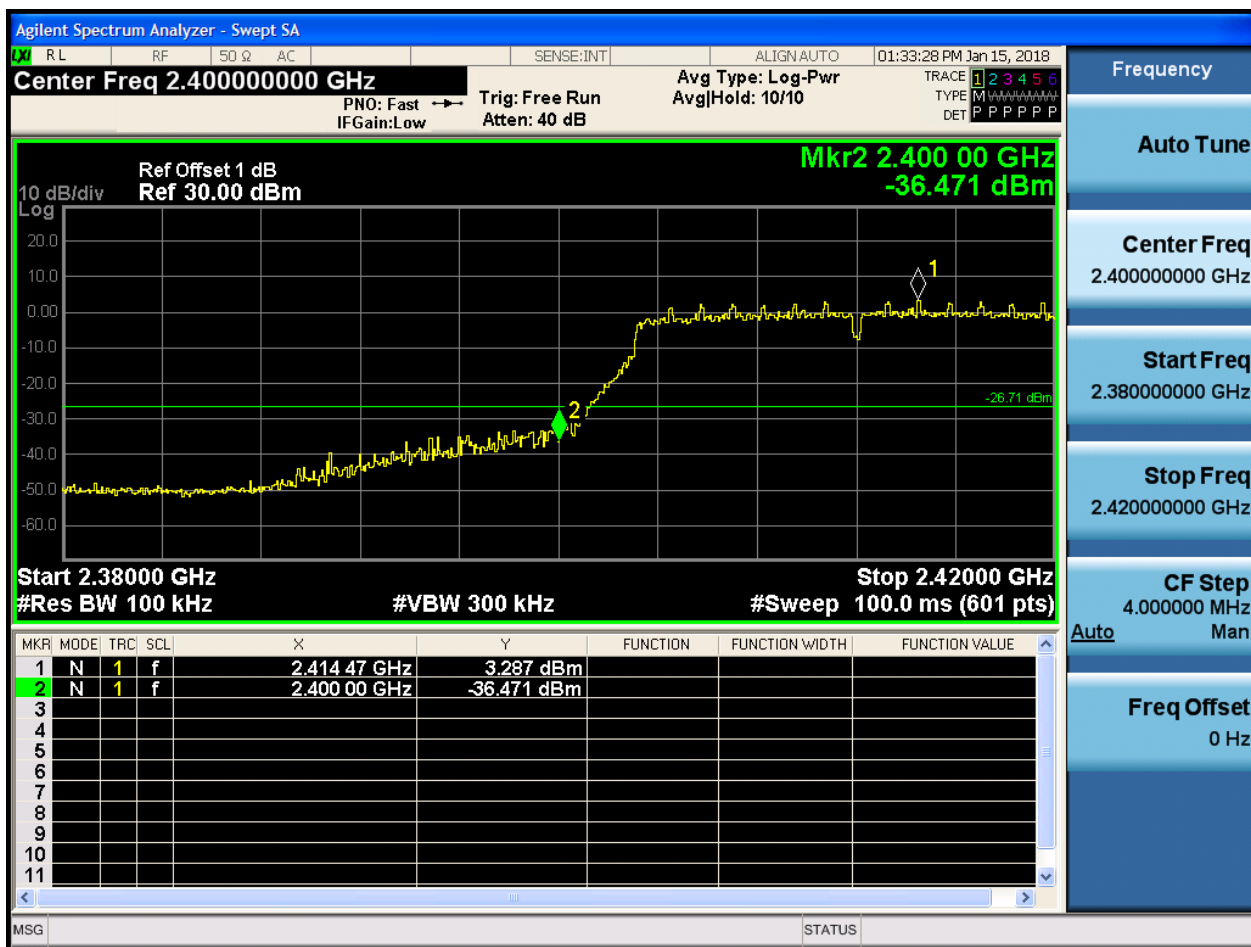
2.8 11G_H@Ant 2



2.9 11N20_L@Ant 1



2.10 11N20_L@Ant 2





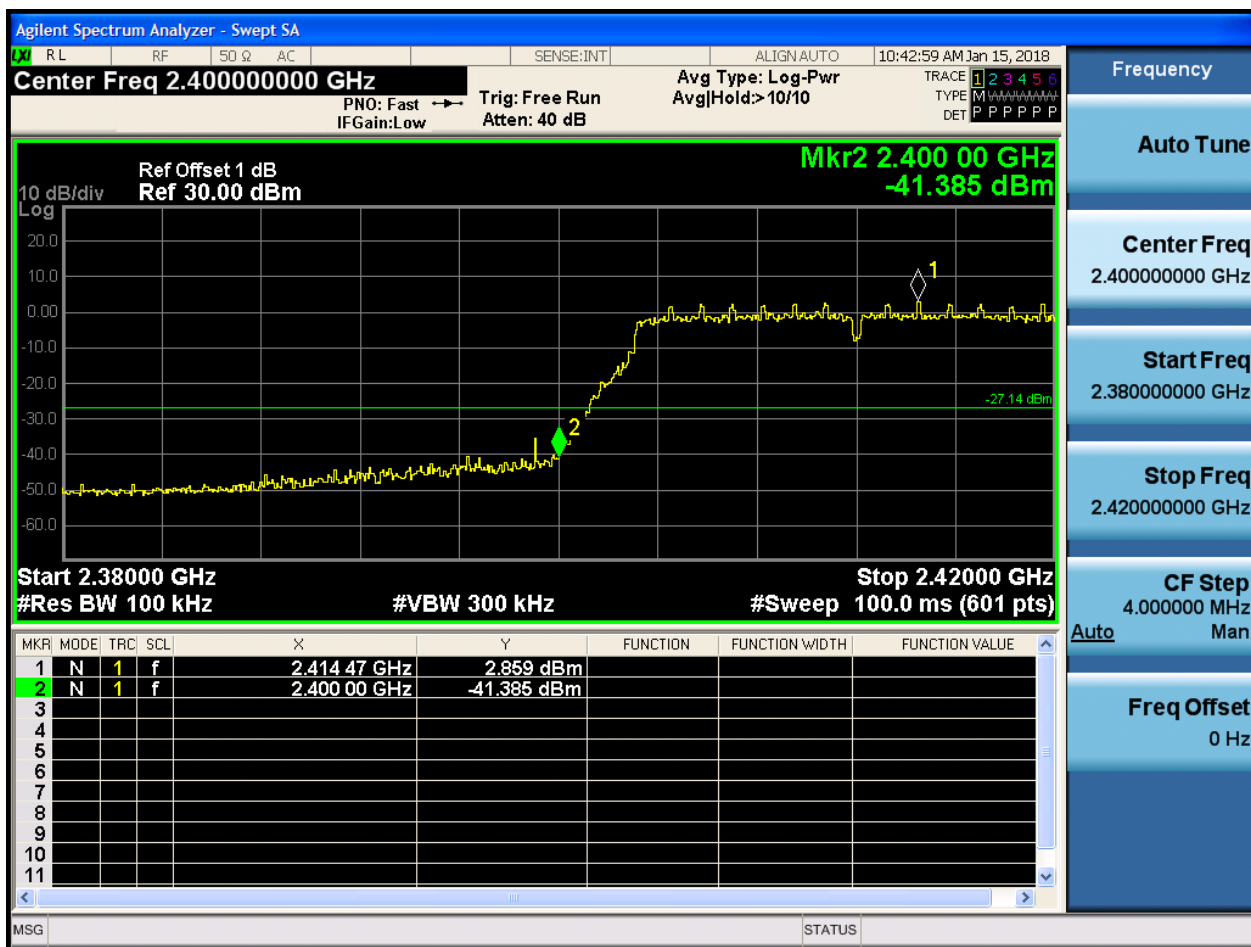
2.11 11N20_H@Ant 1



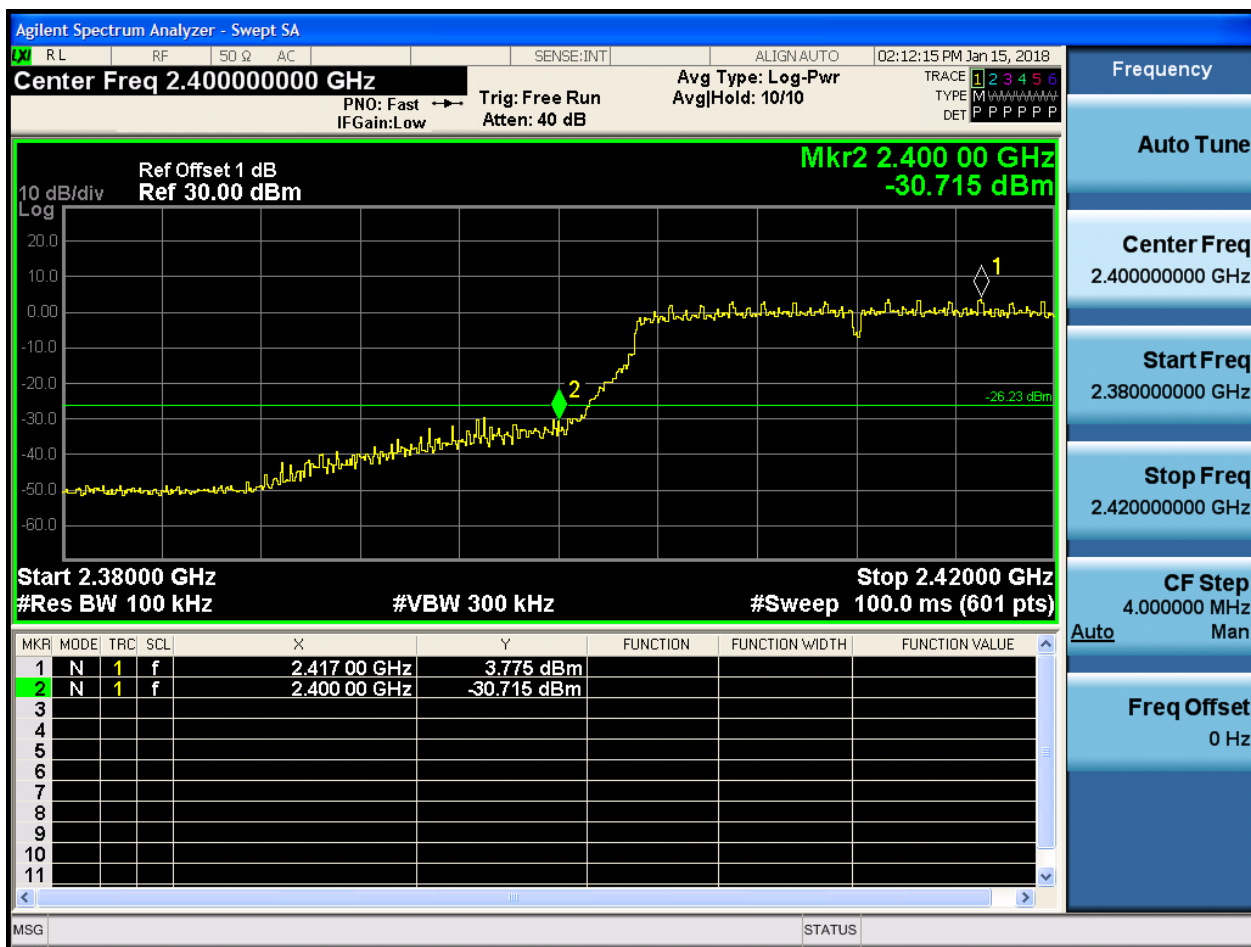
2.12 11N20_H@Ant 2



2.13 11N20m_L@Ant 1



2.14 11N20m_L@Ant 2



2.15 11N20m_H@Ant 1

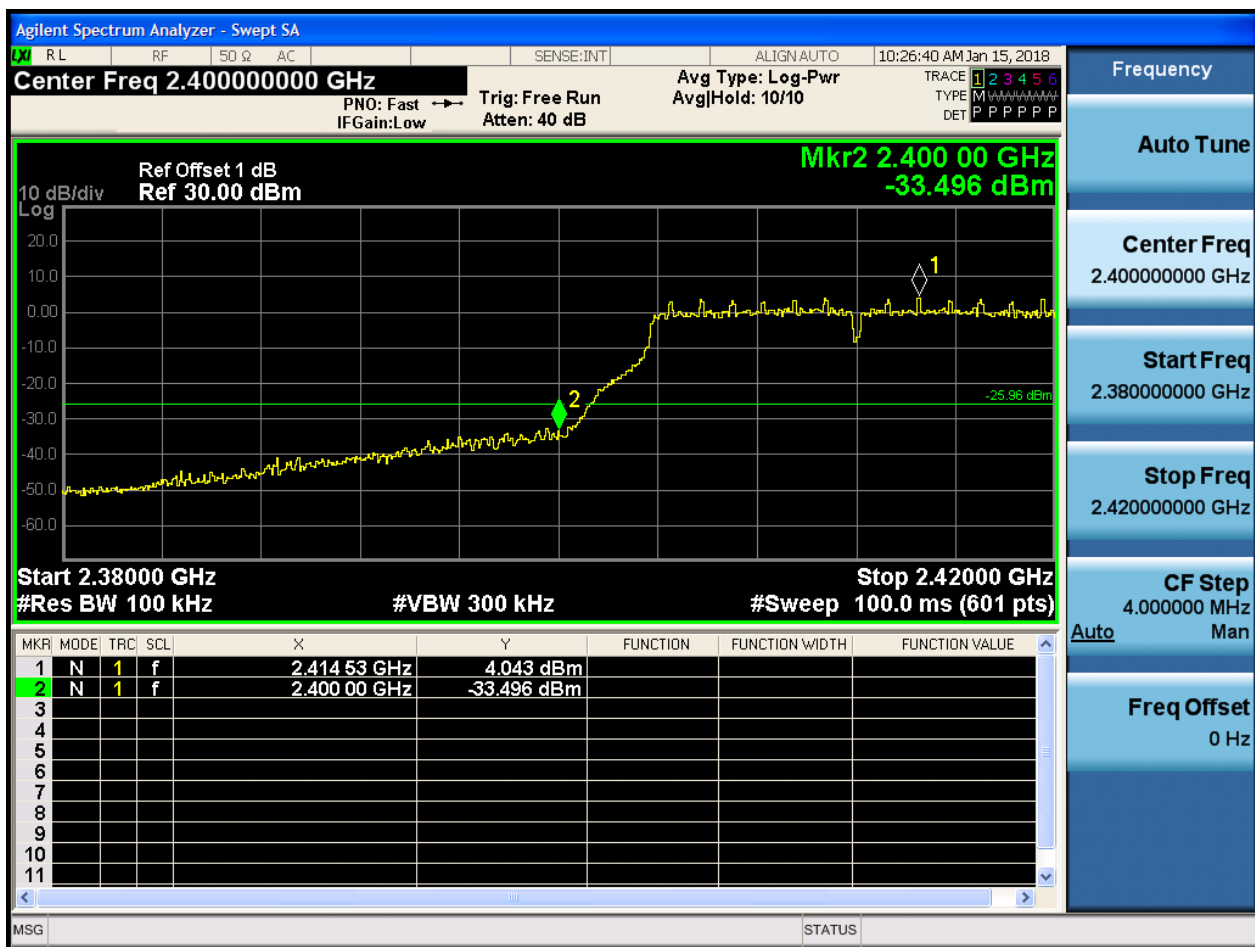


2.16 11N20m_H@Ant 2





2.17 11G CDD L@Ant 1



2.18 11G CDD L@Ant 2

