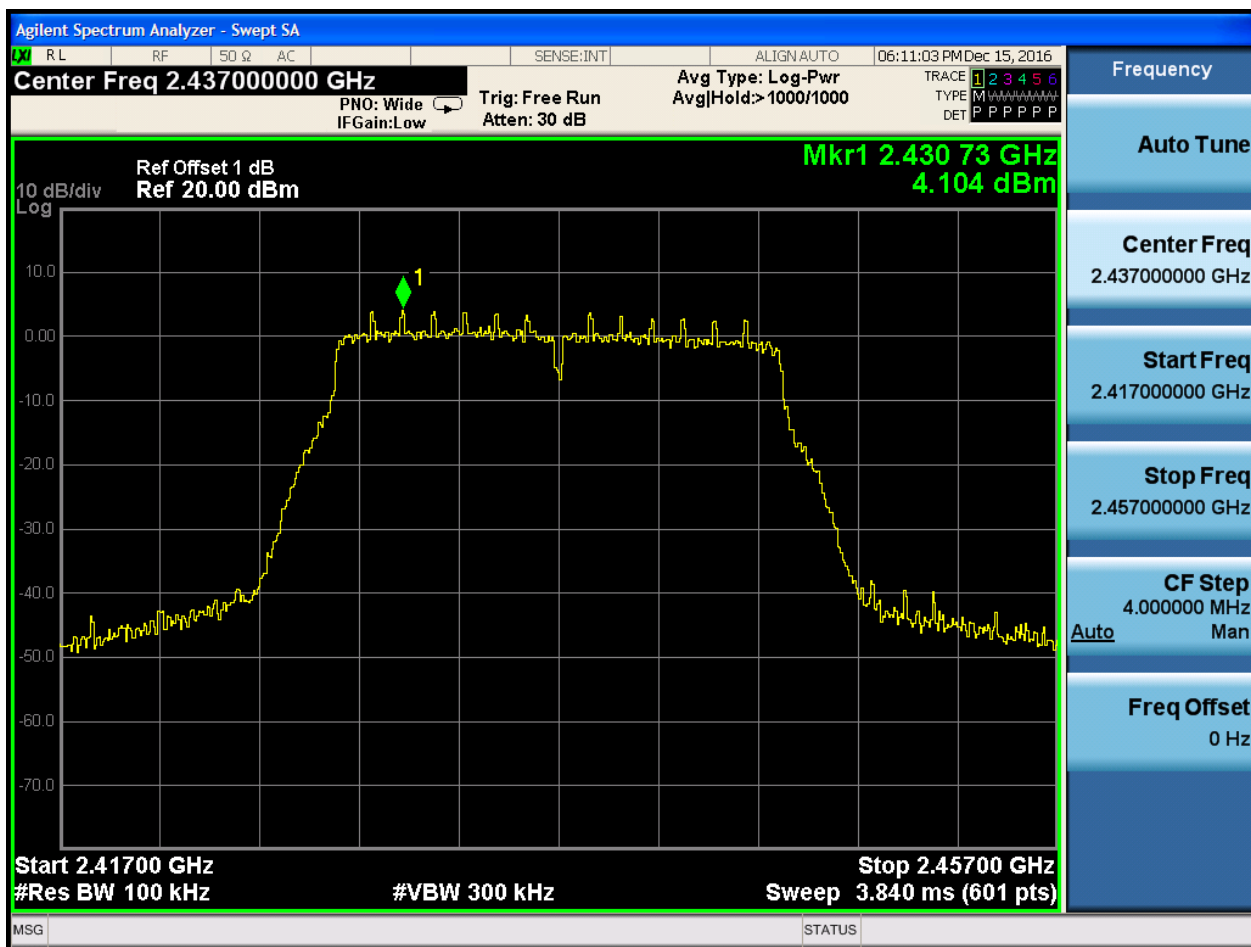




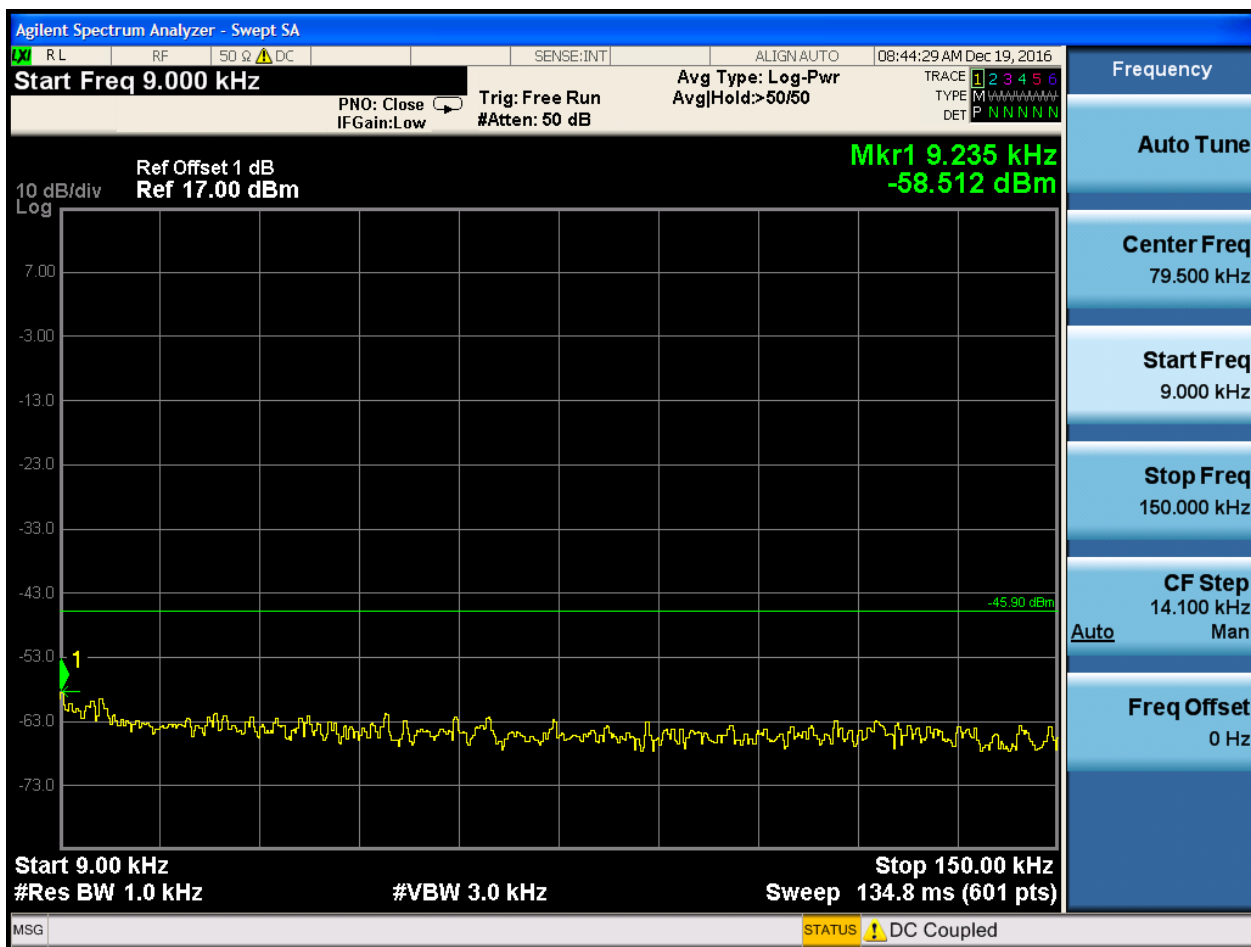
2.15 11N20_M@Ant 1

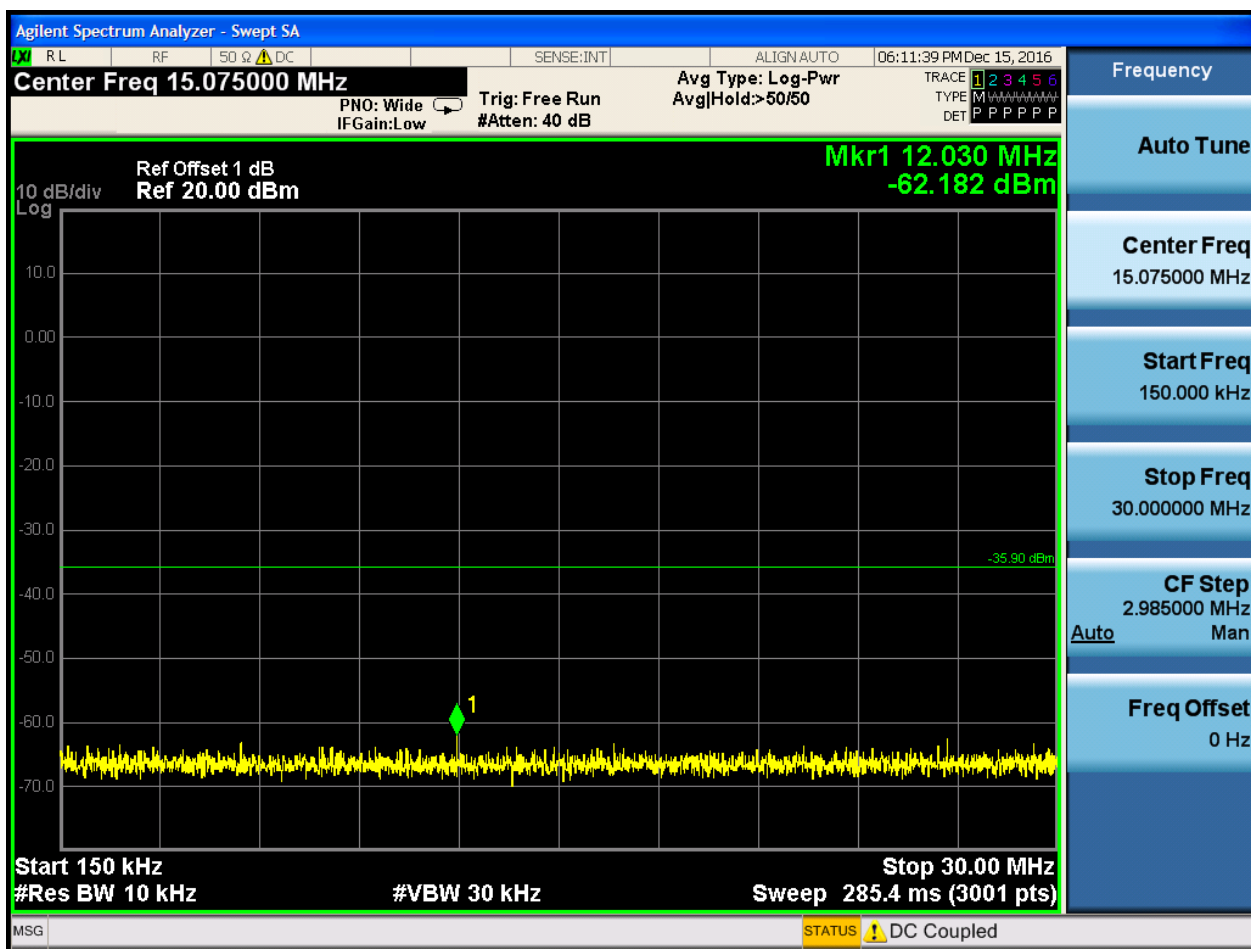
Pref:

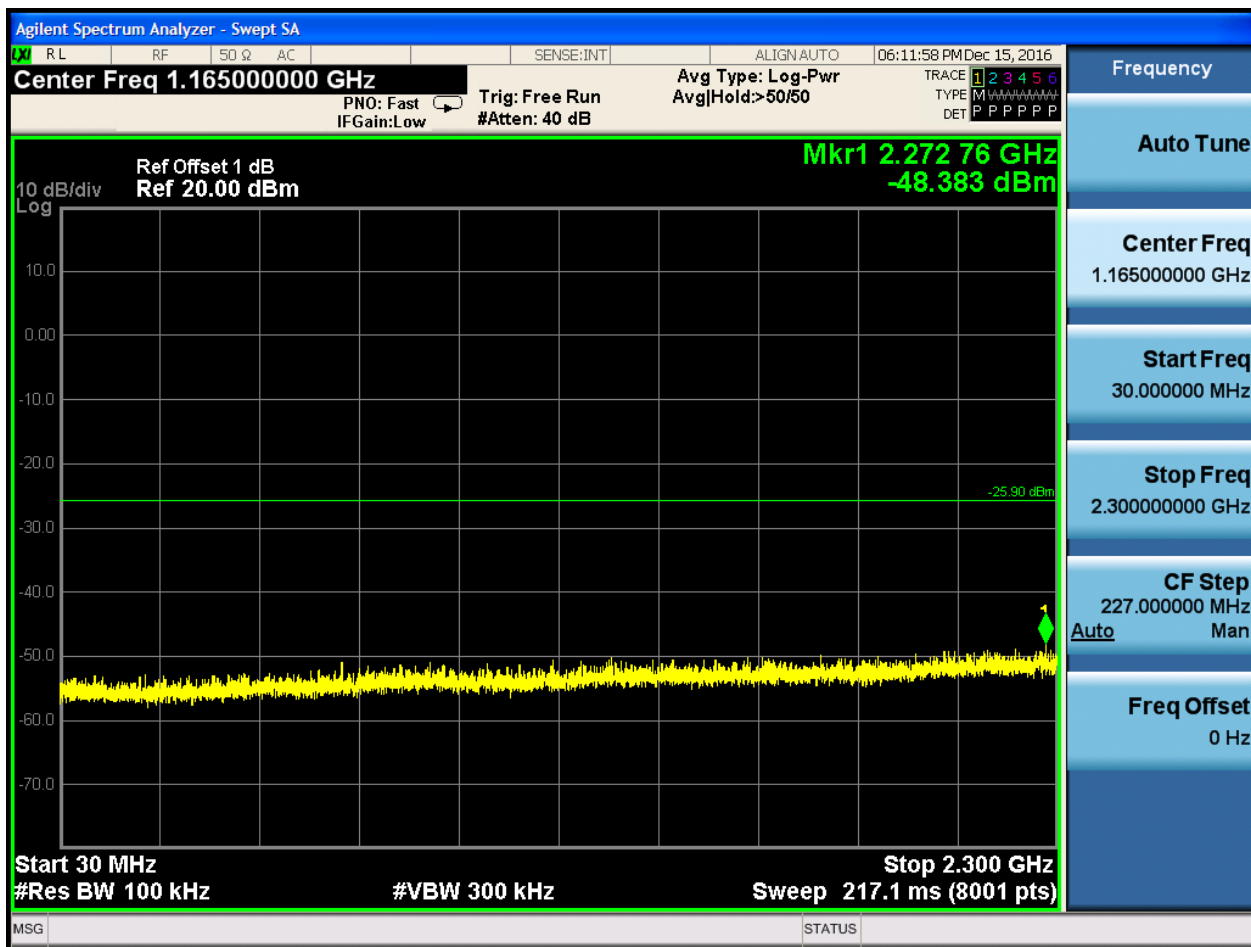


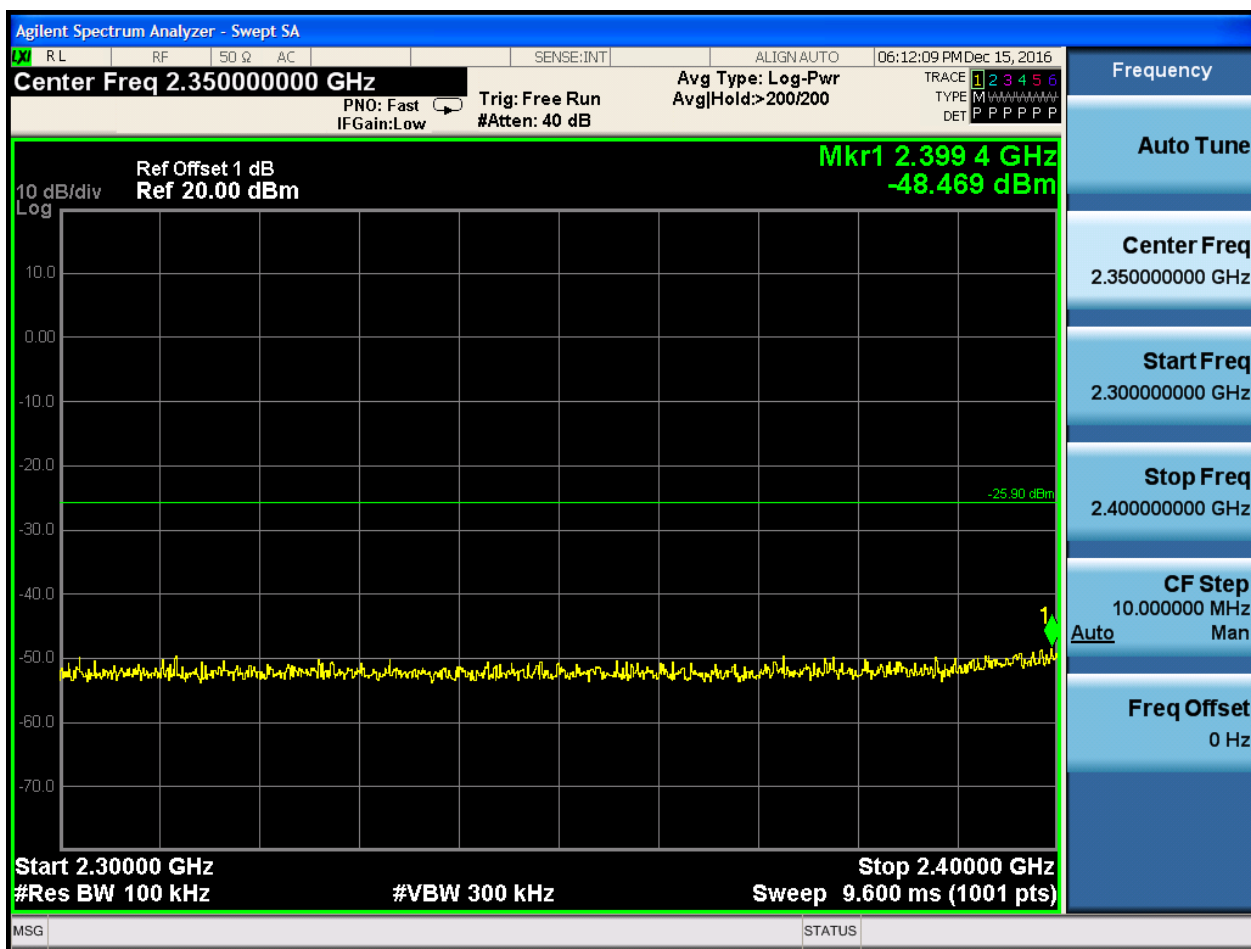


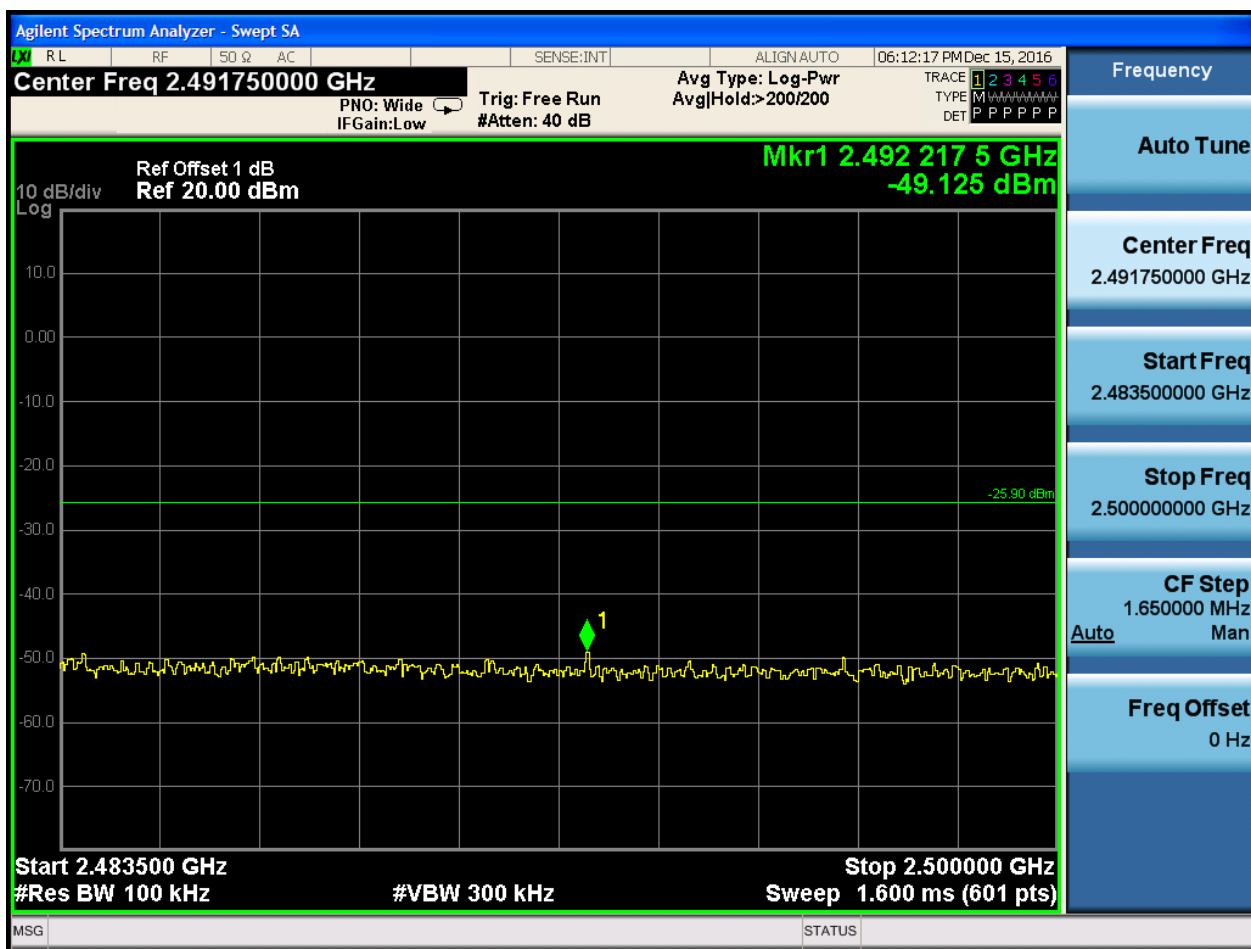
Puw:









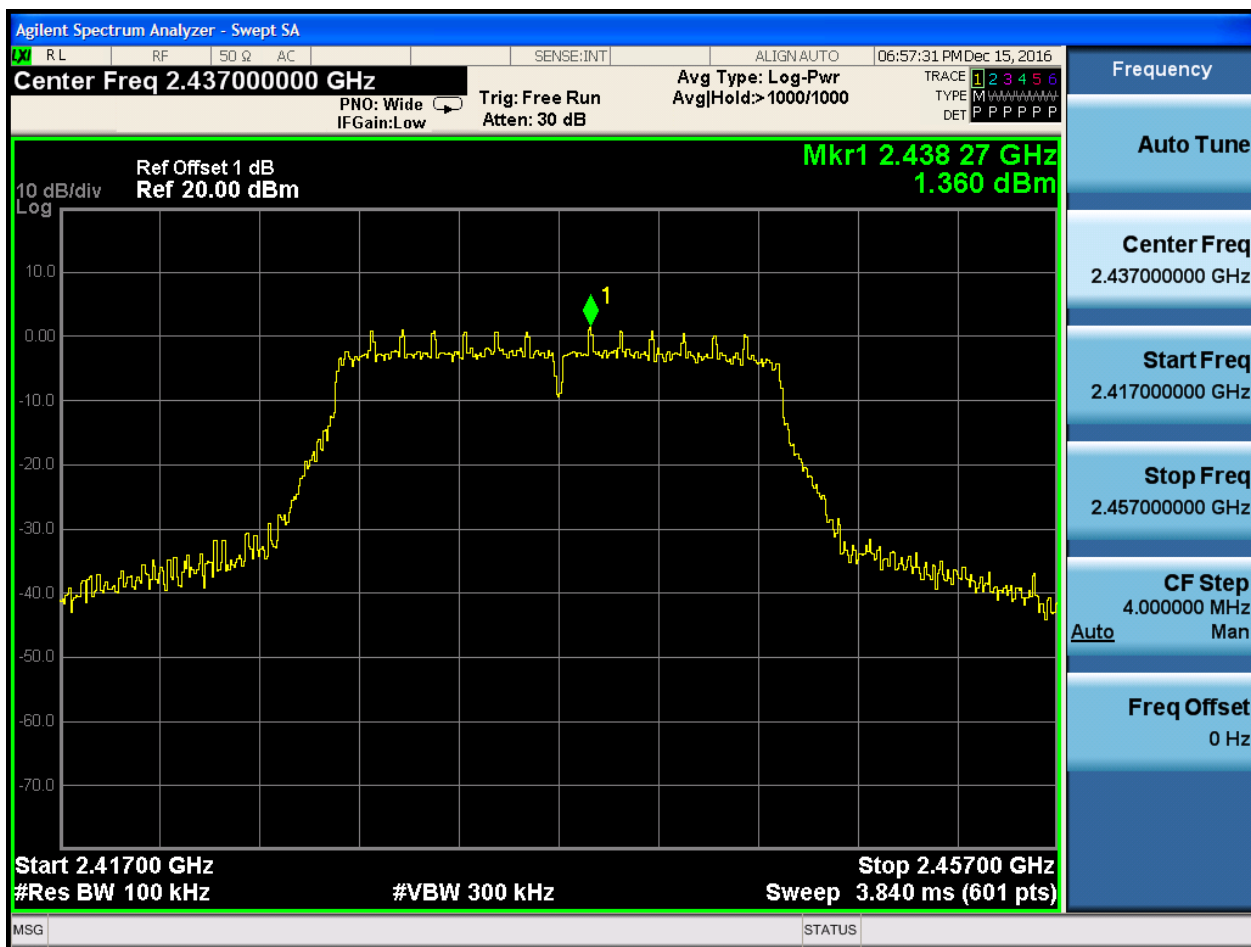






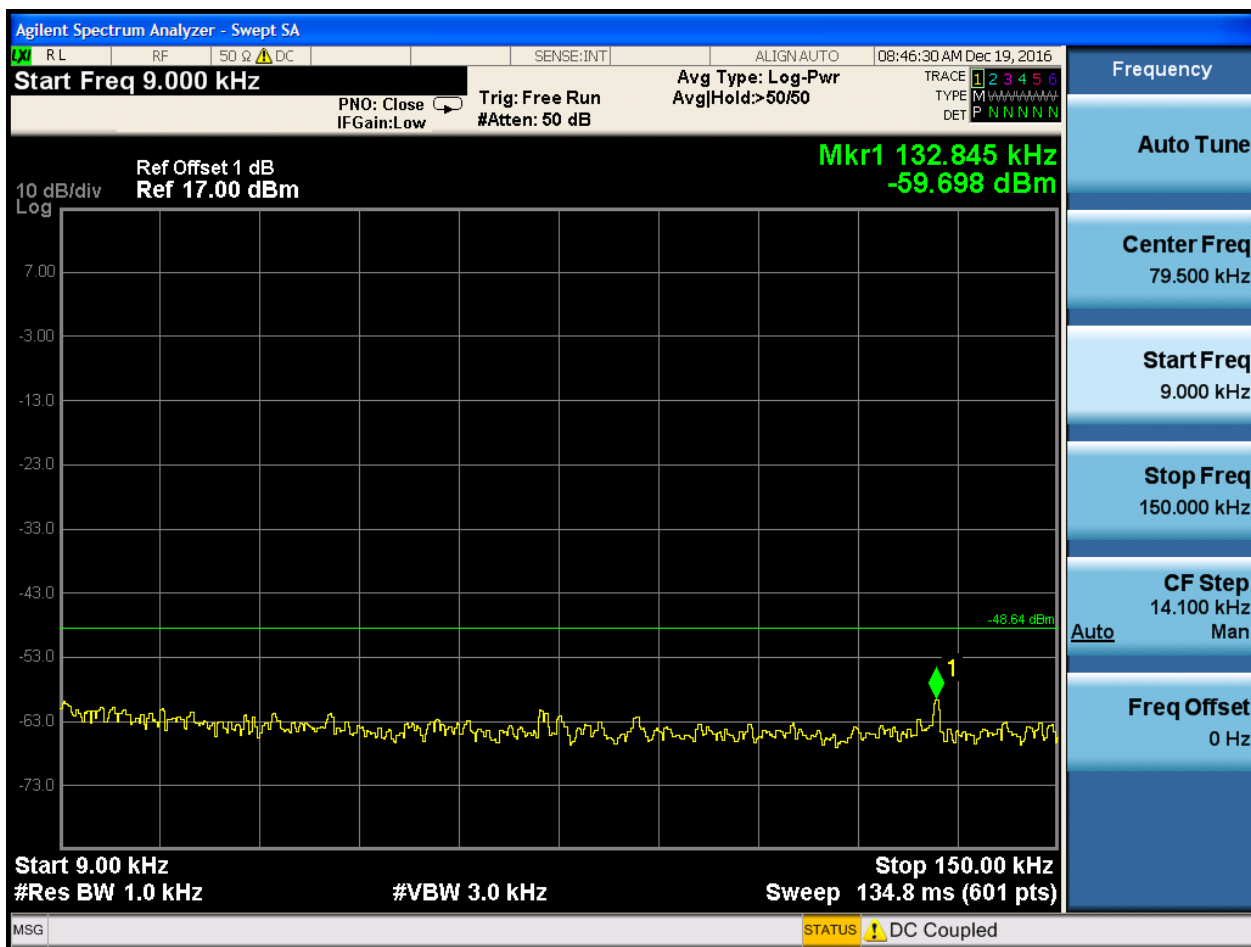
2.16 11N20_M@Ant 2

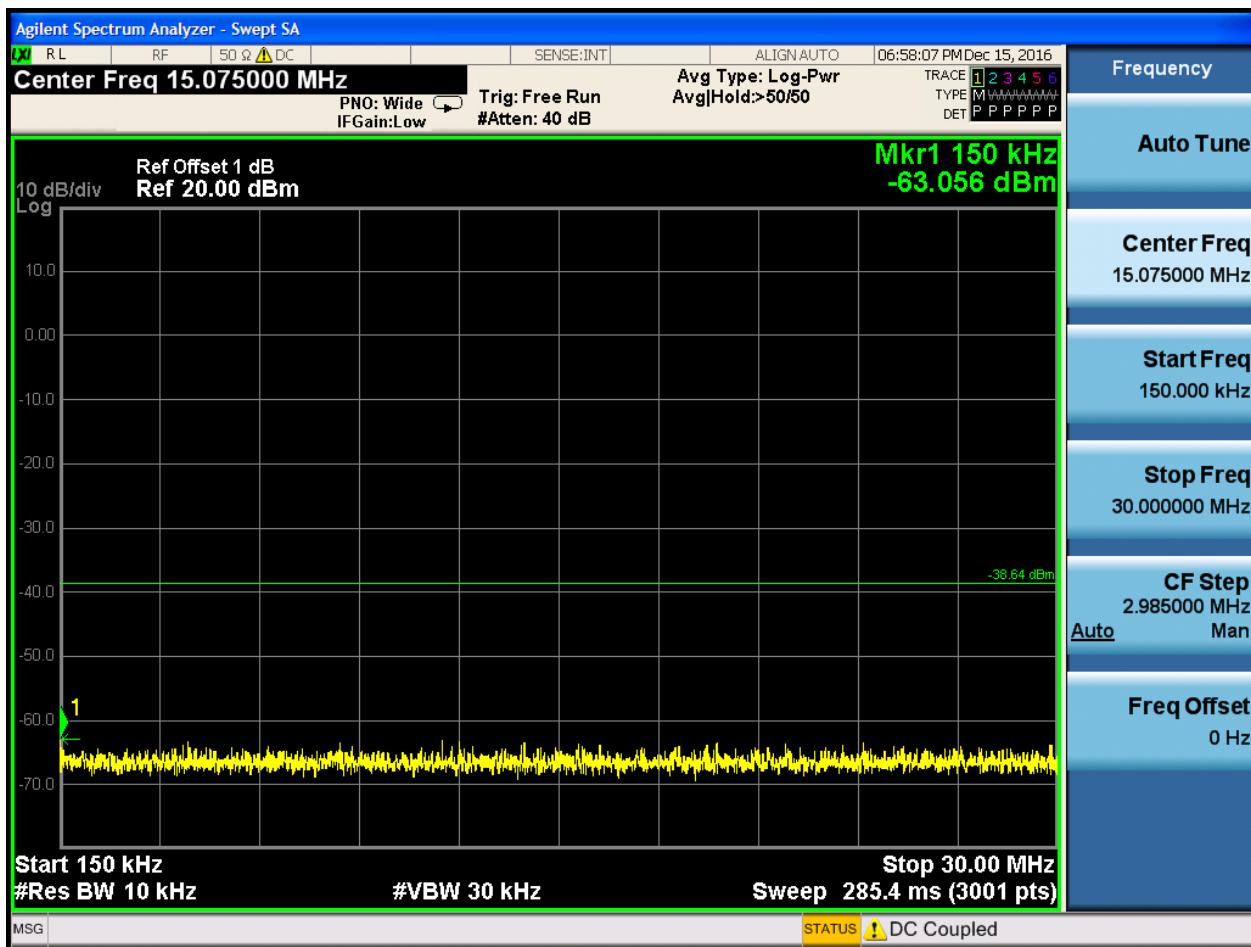
Pref:

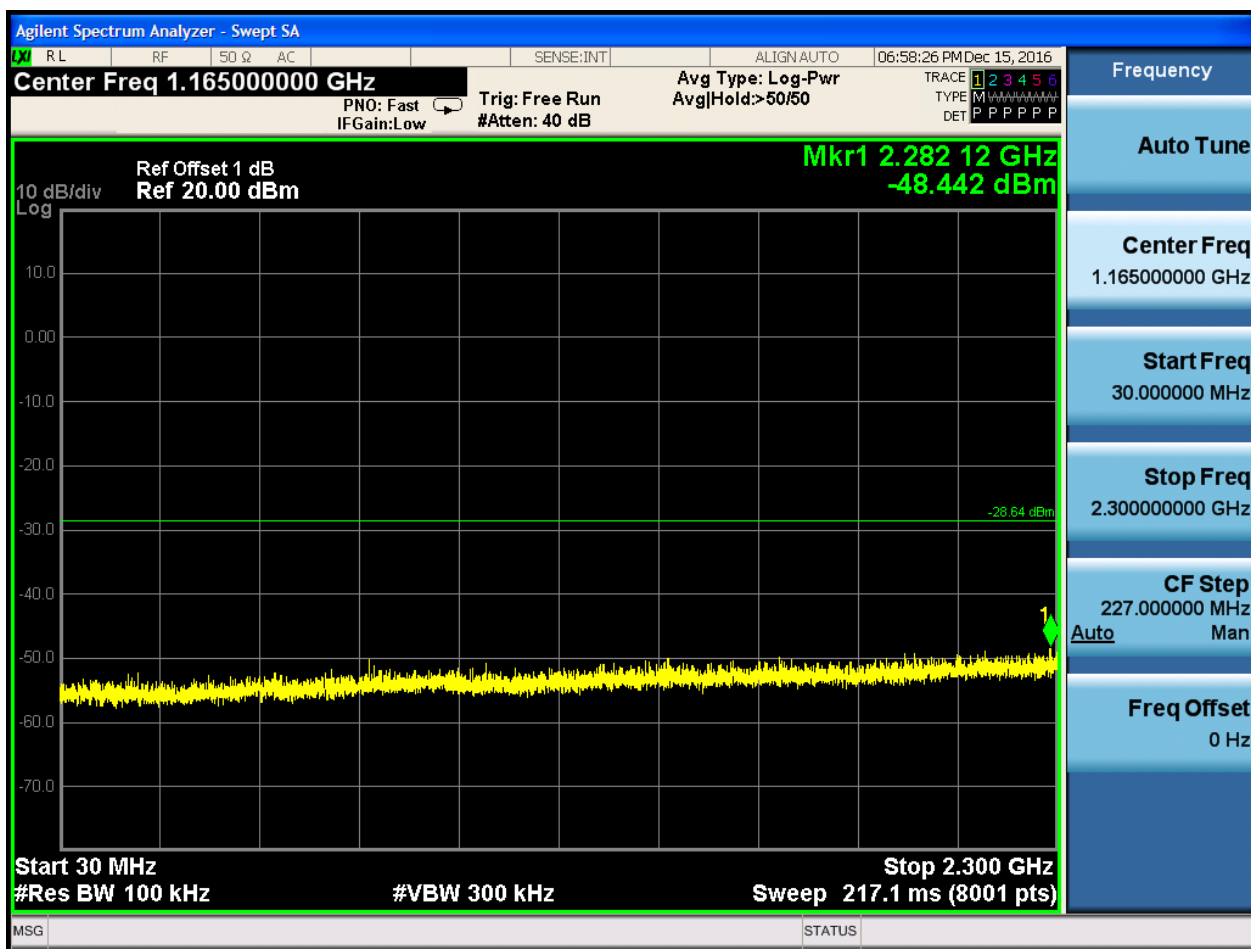


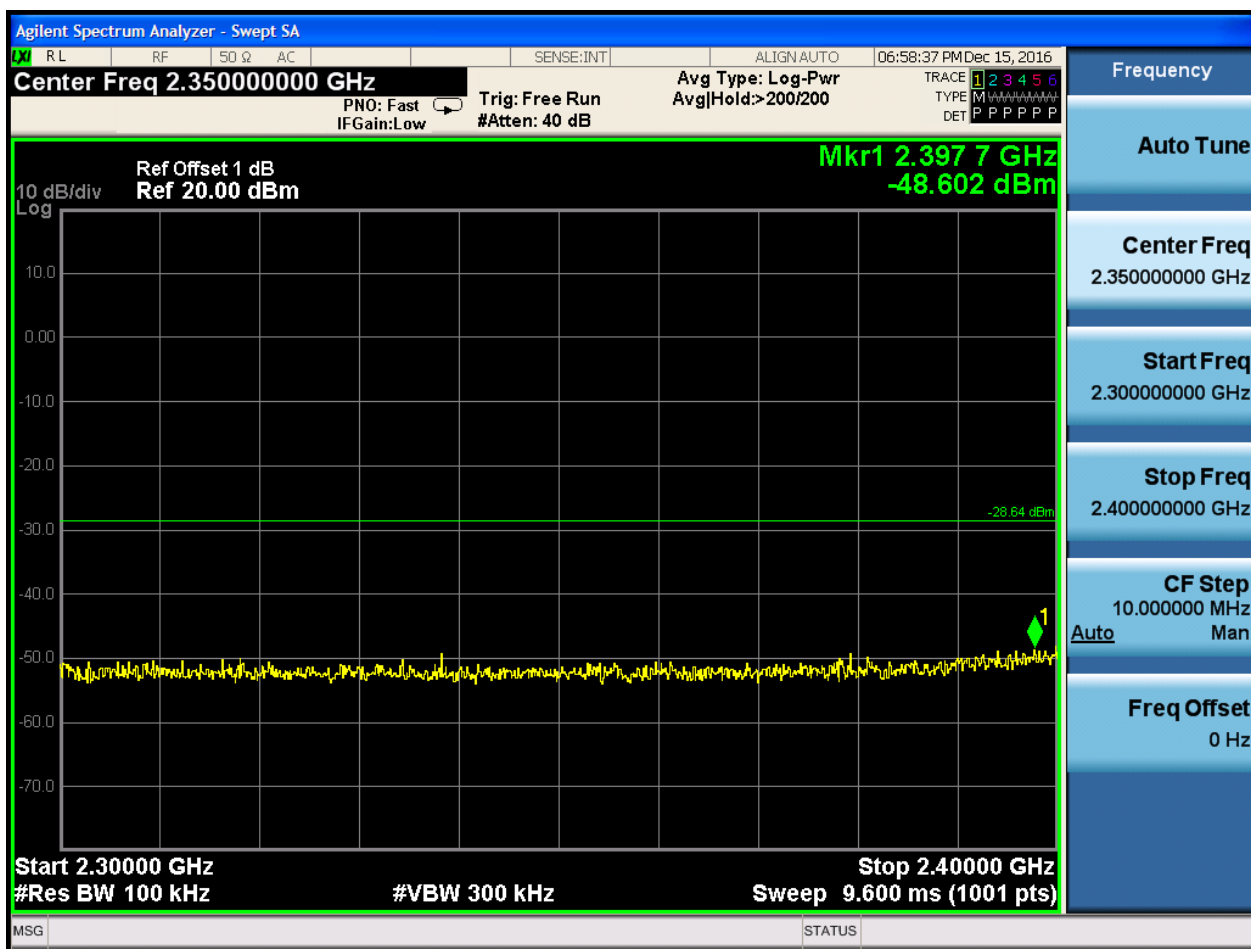


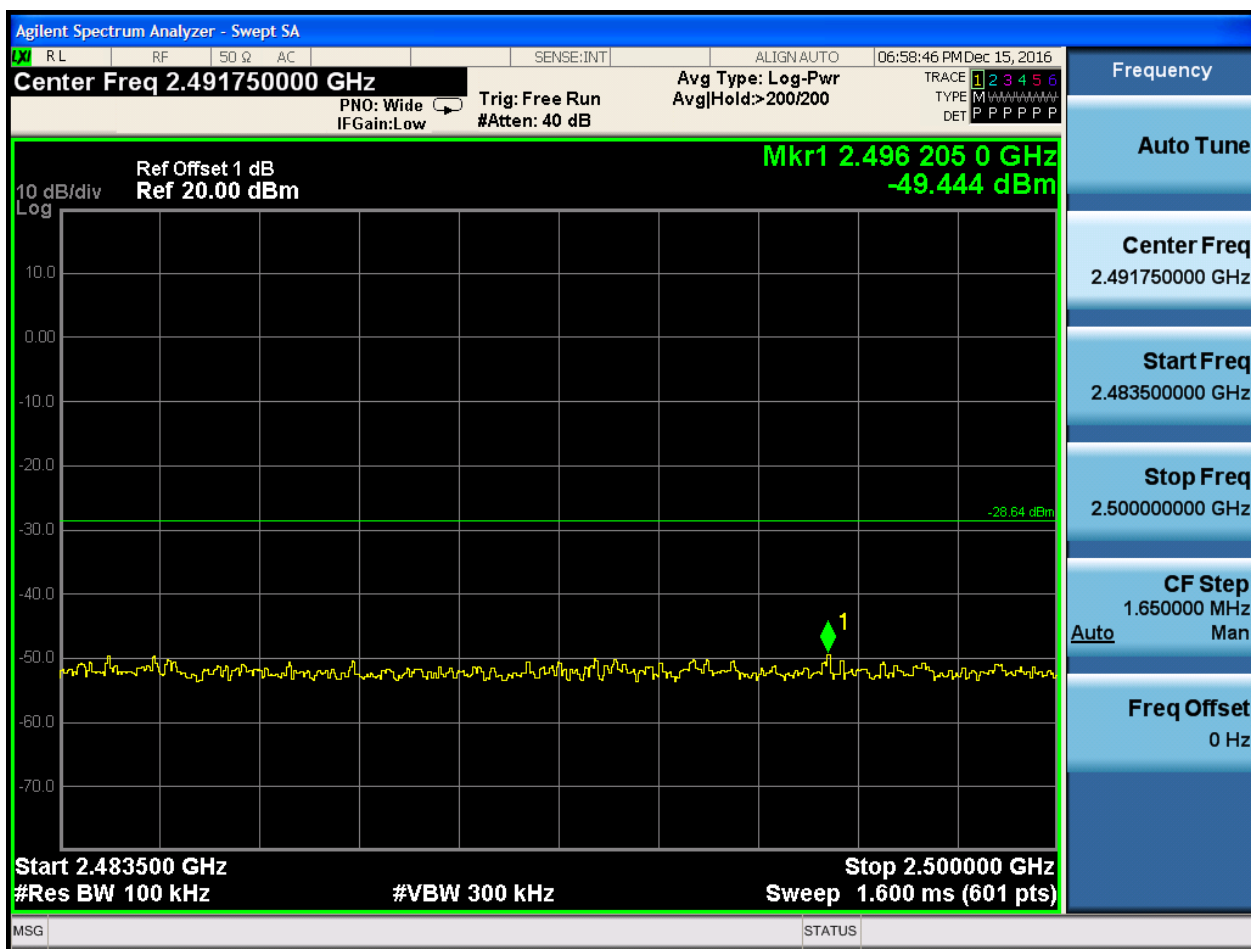
Puw:









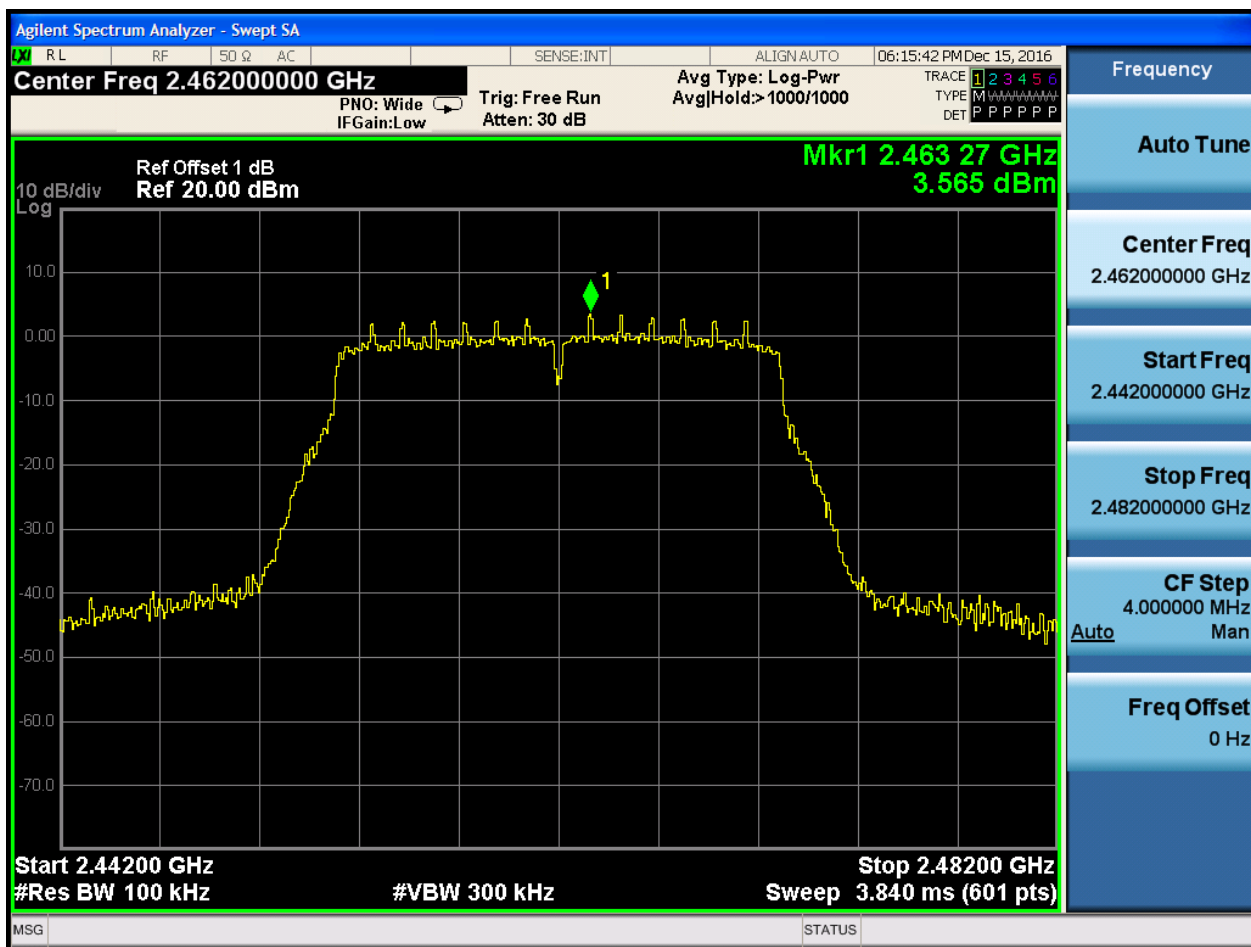






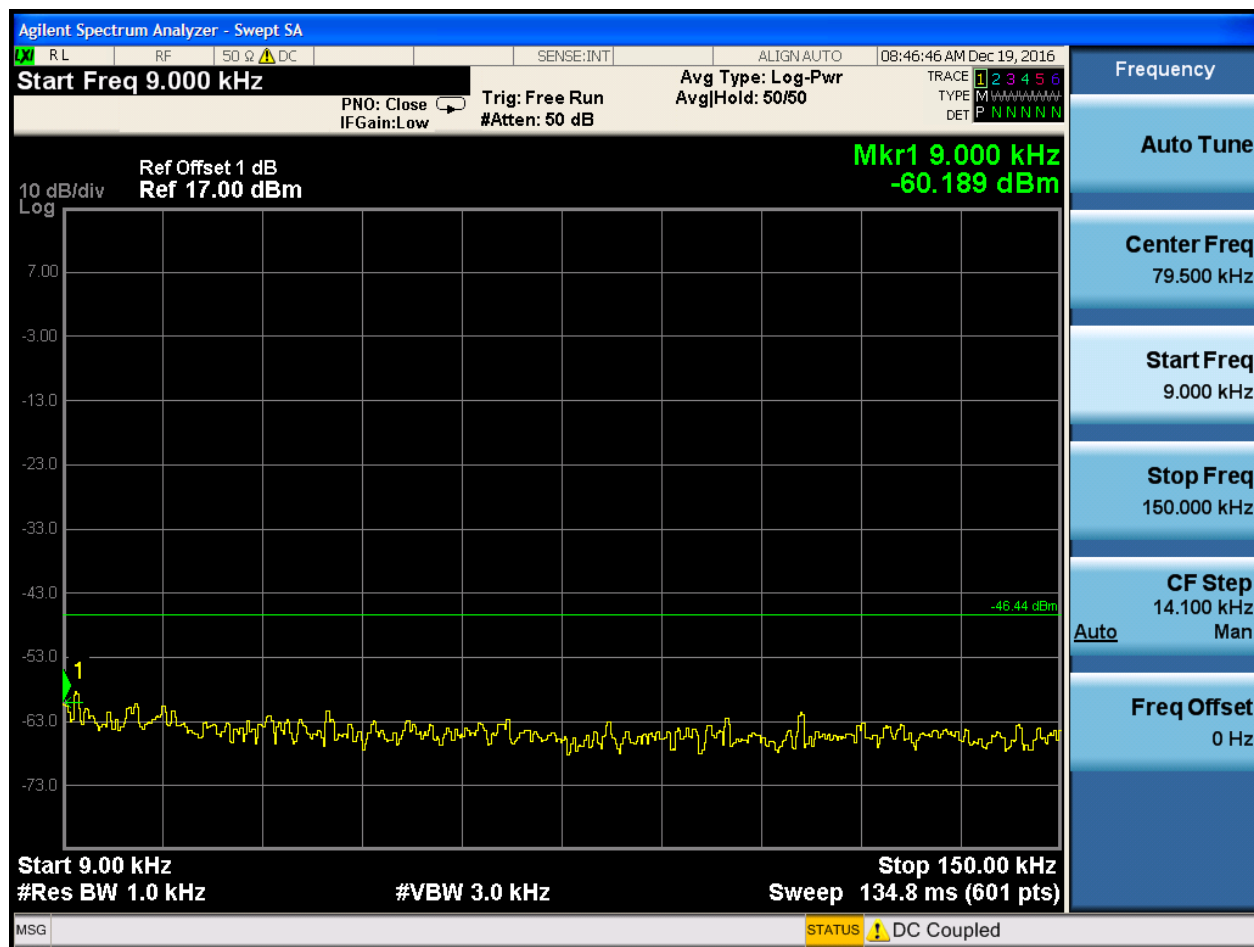
2.17 11N20_H@Ant 1

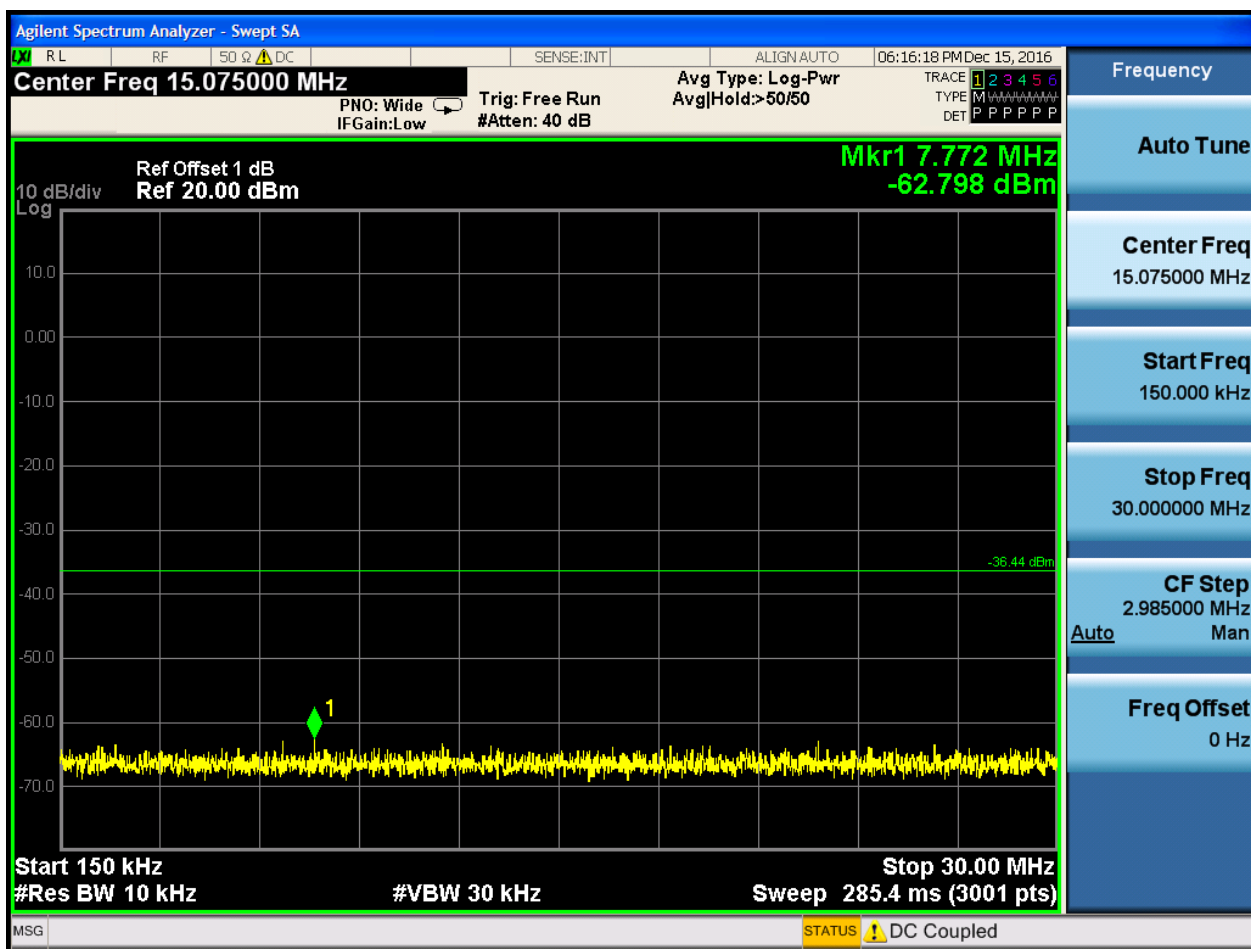
Pref:

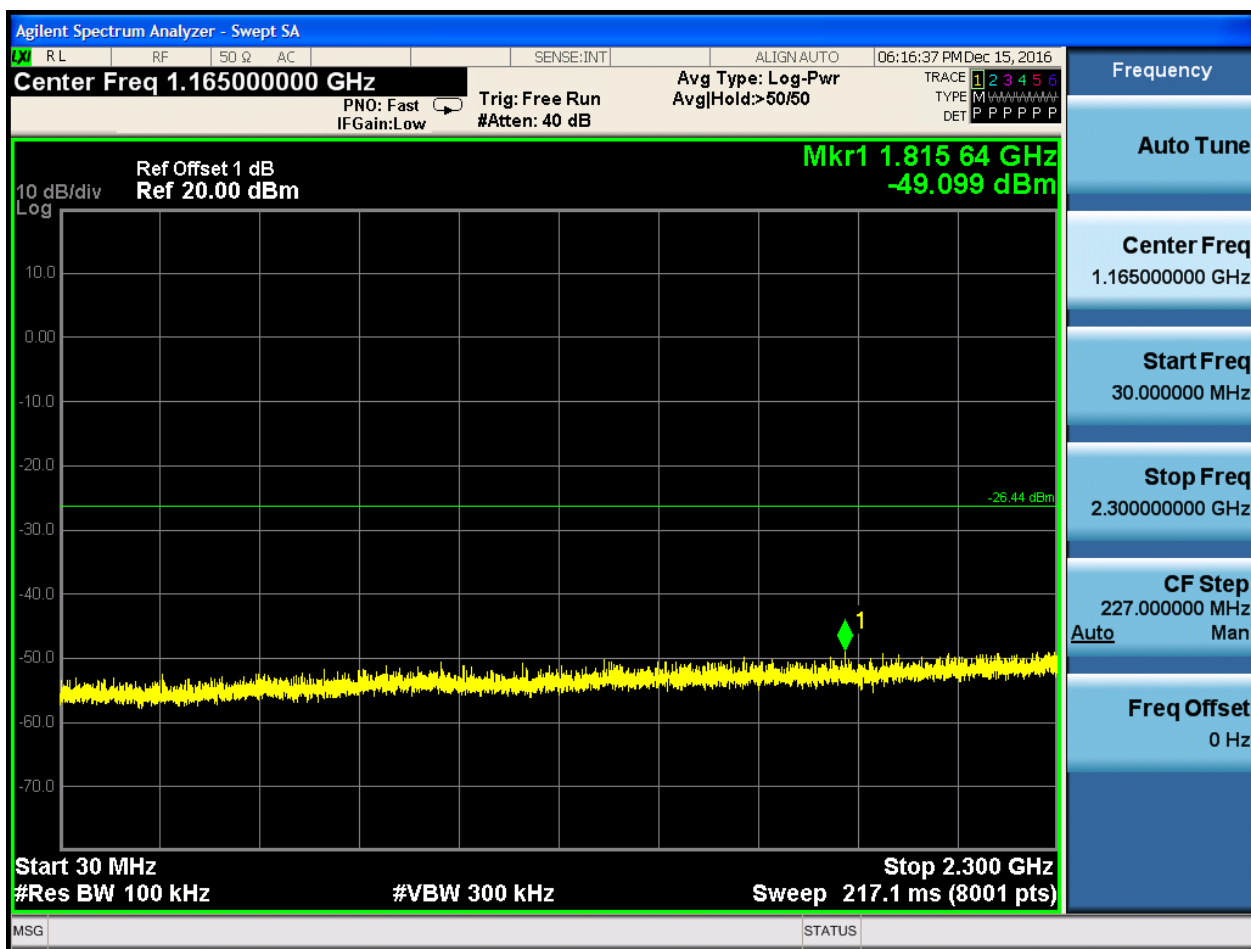


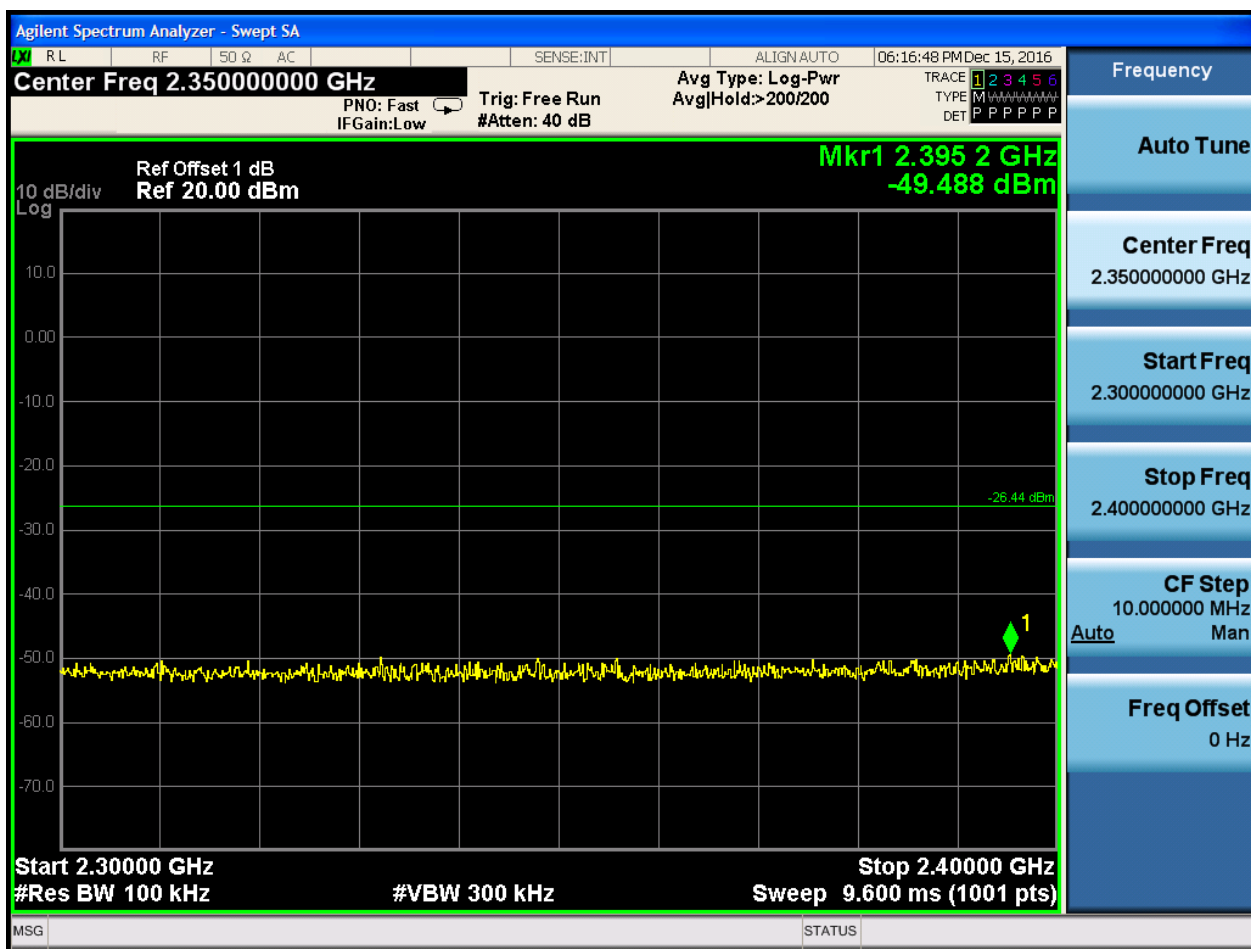


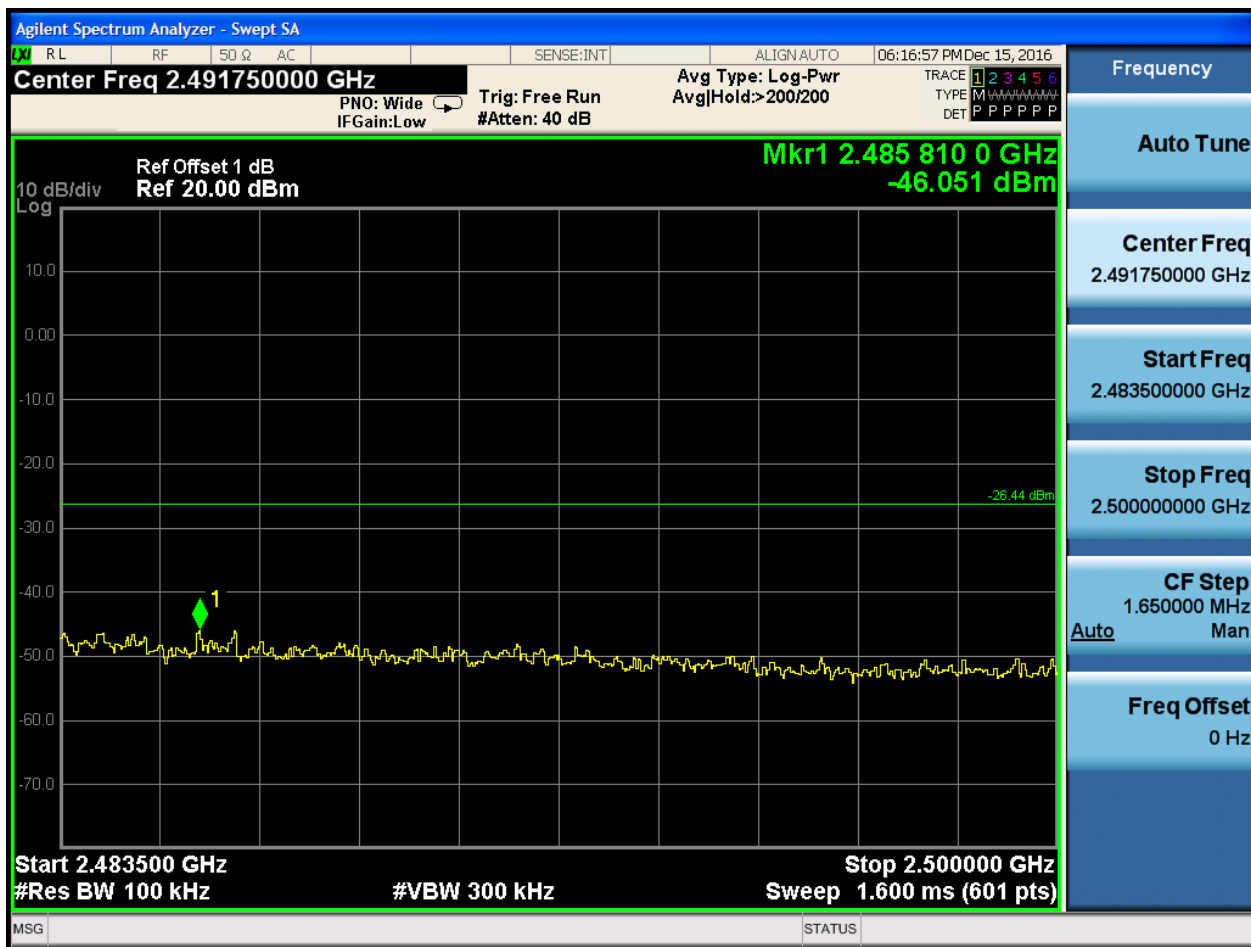
Puw:

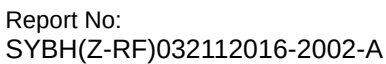








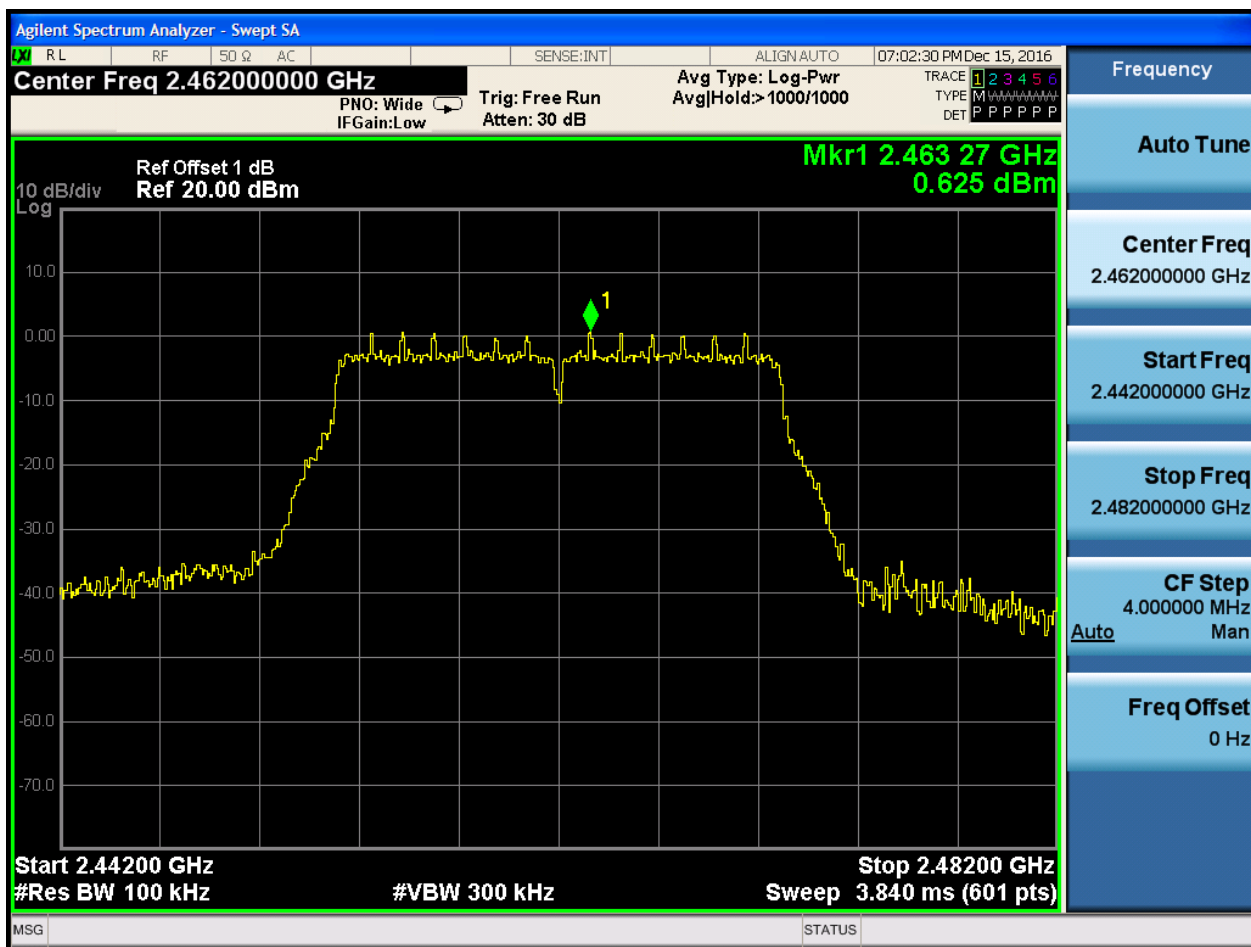






2.18 11N20_H@Ant 2

Pref:





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN AUTO 08:47:12 AM Dec 19, 2016

Start Freq 9.000 kHz Avg Type: Log-Pwr PNO: Close Trig: Free Run IFGain:Low #Atten: 50 dB

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

Ref Offset 1 dB Ref 17.00 dBm Mkr1 11.350 kHz -59.609 dBm

10 dB/div Log

7.00 -3.00 -13.0 -23.0 -33.0 -43.0 -53.0 -63.0 -73.0

-49.38 dBm

1

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

Frequency

Auto Tune

Center Freq 79.500 kHz

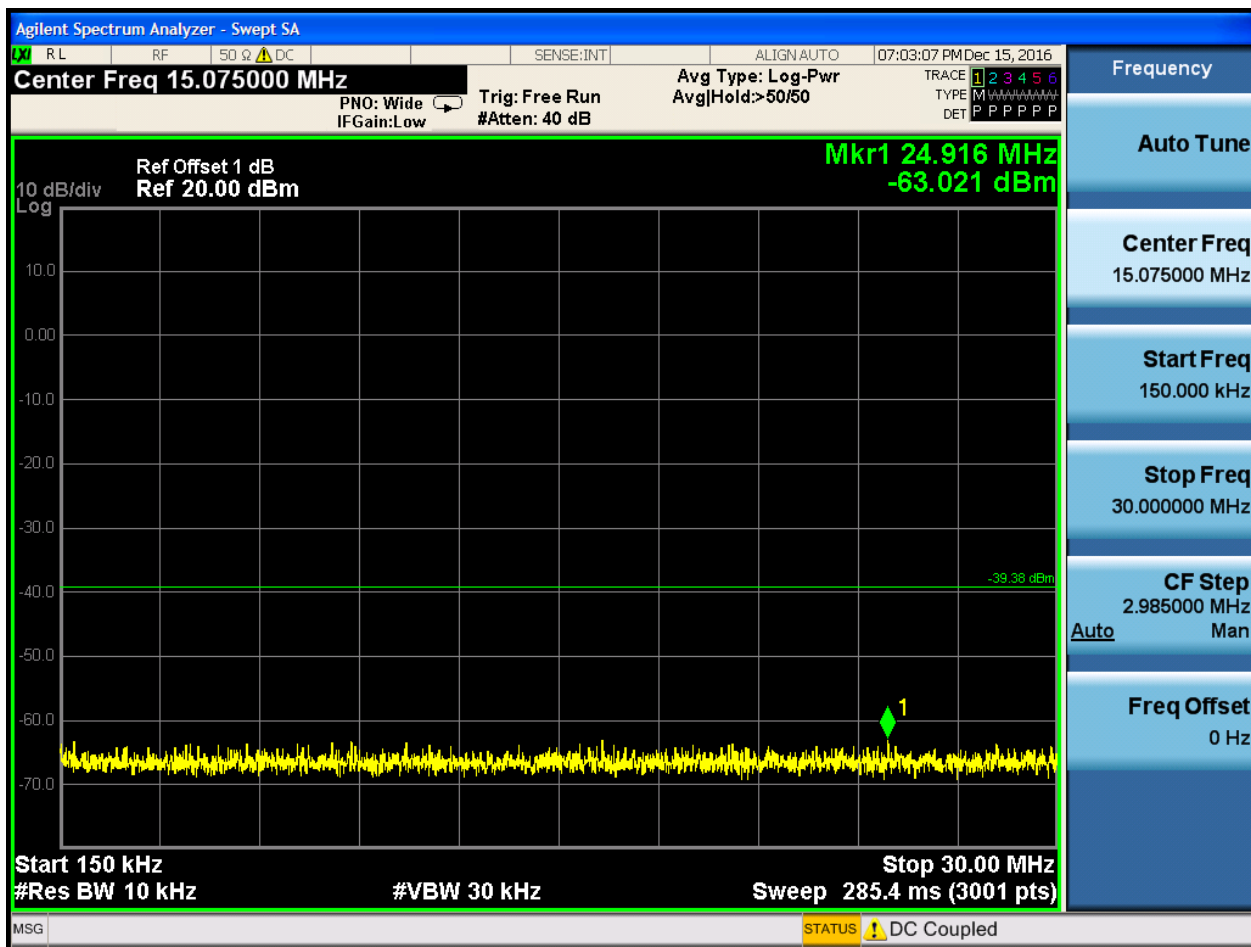
Start Freq 9.000 kHz

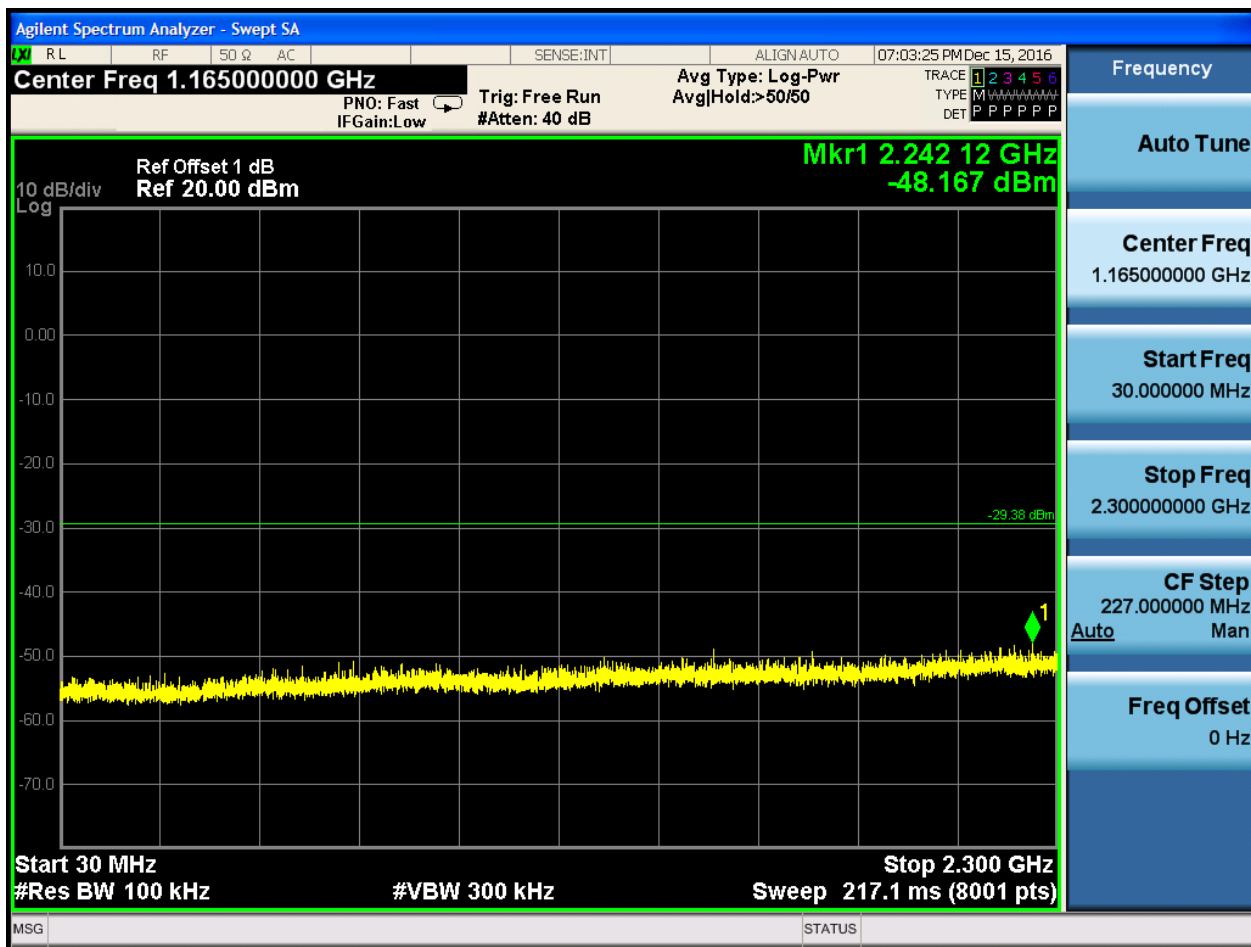
Stop Freq 150.000 kHz

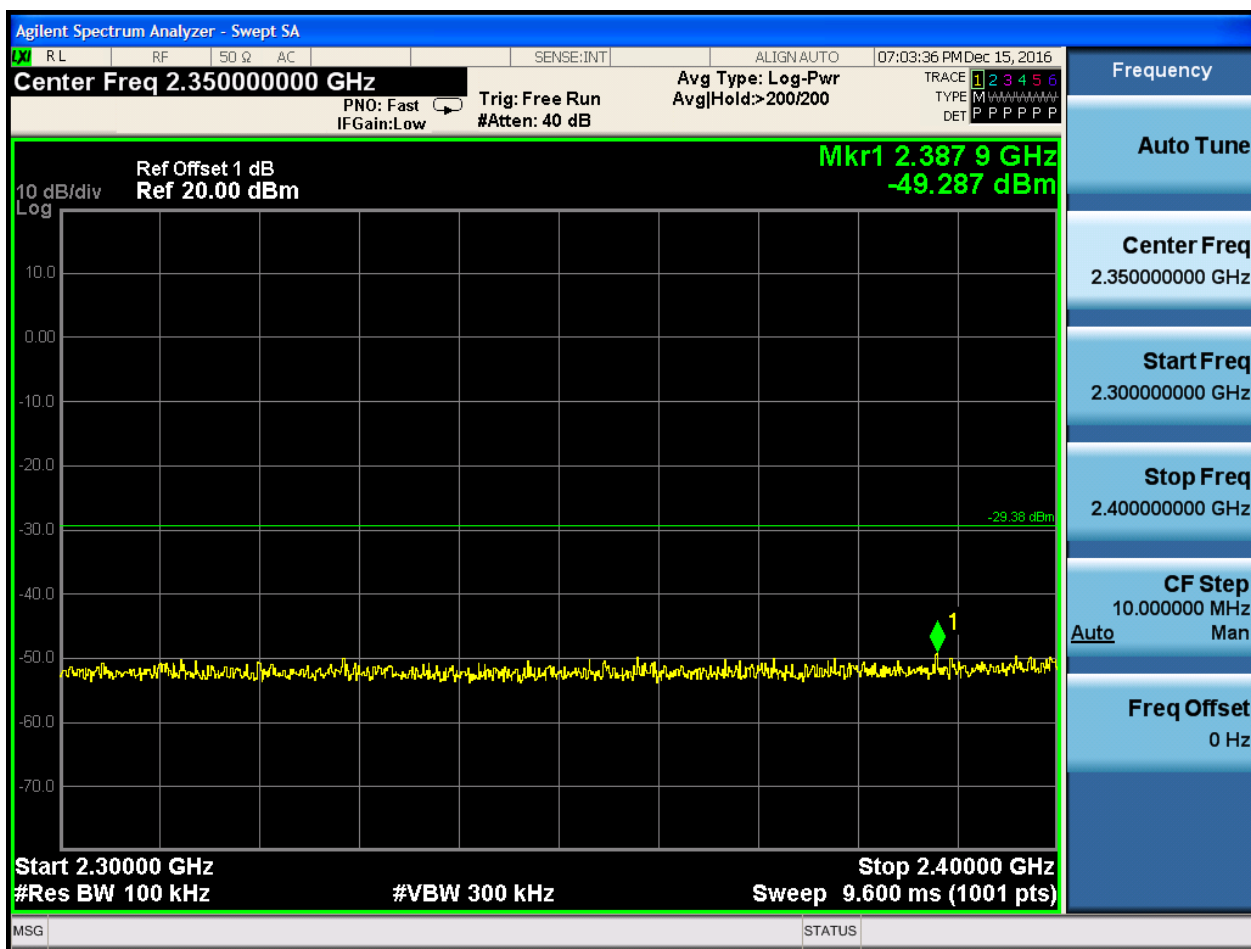
CF Step 14.100 kHz Man

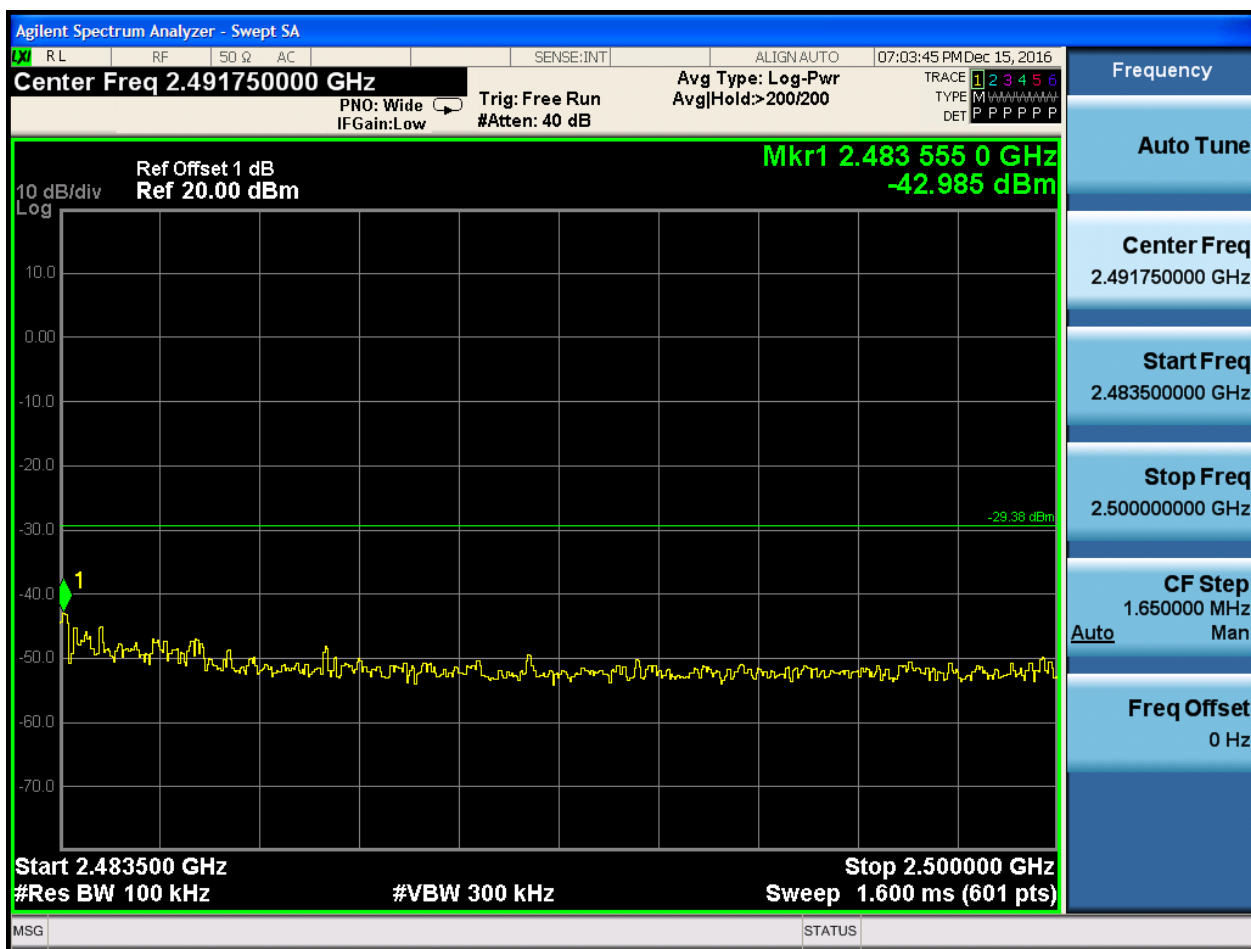
Auto

Freq Offset 0 Hz







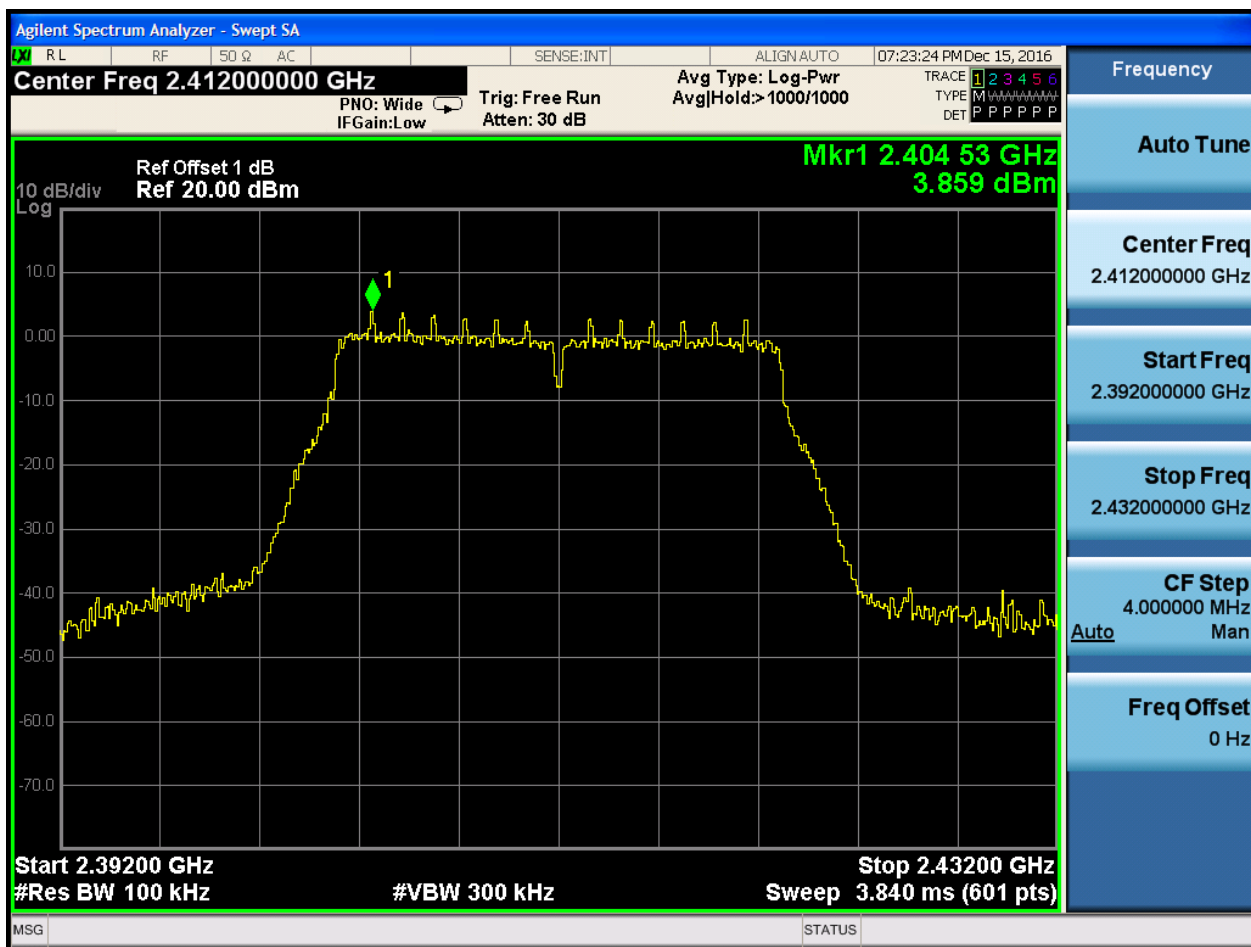






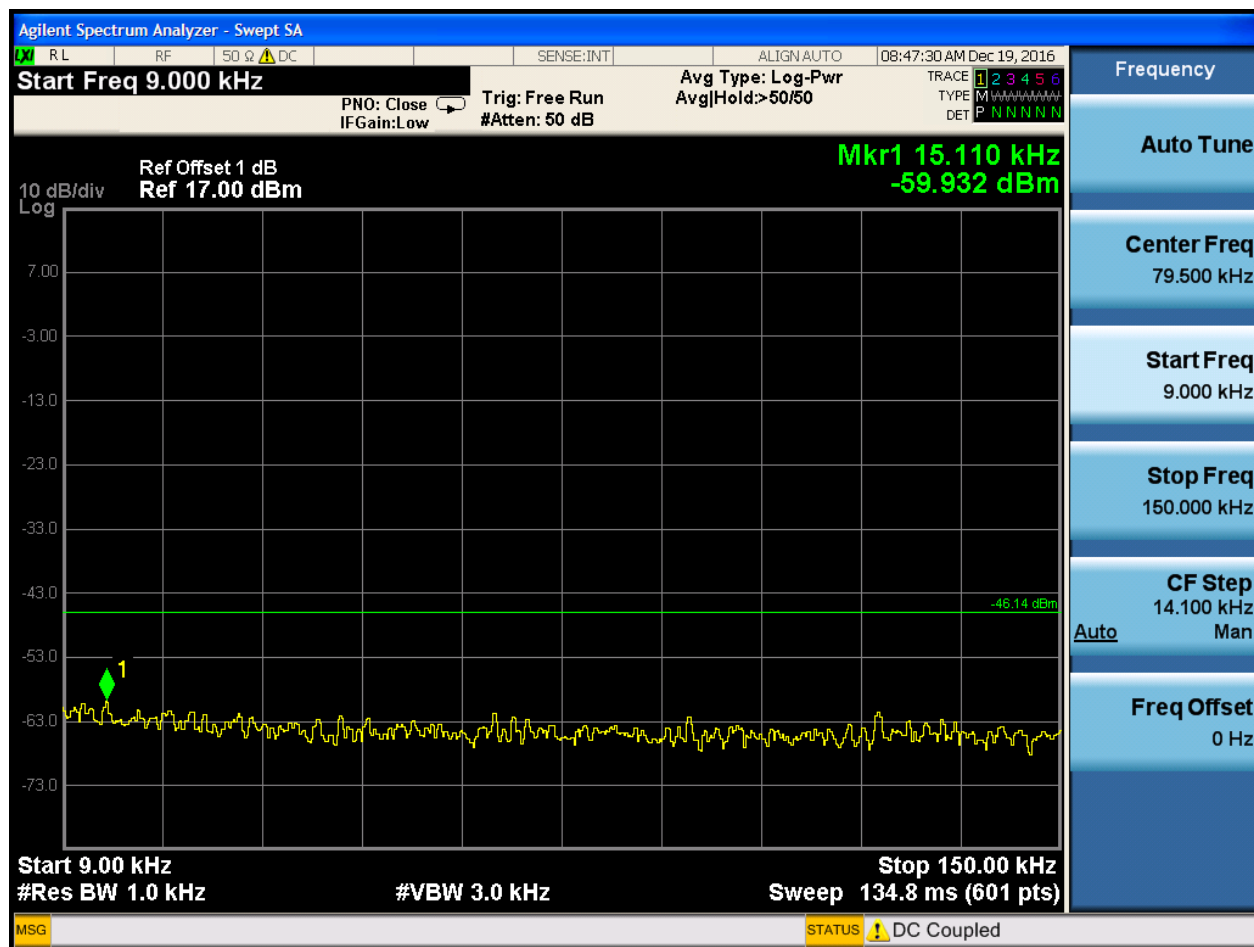
2.19 11N20m_L@Ant 1

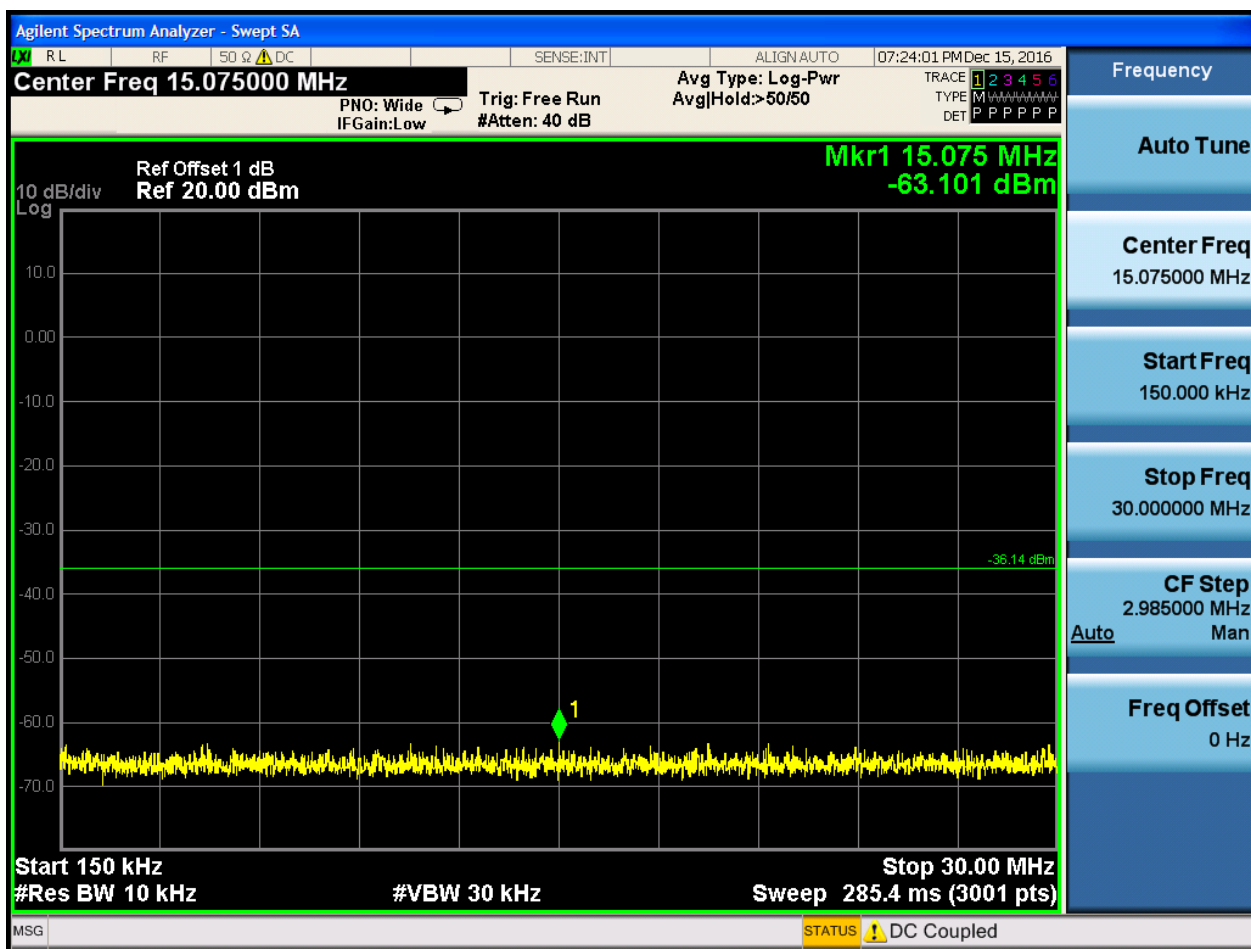
Pref:

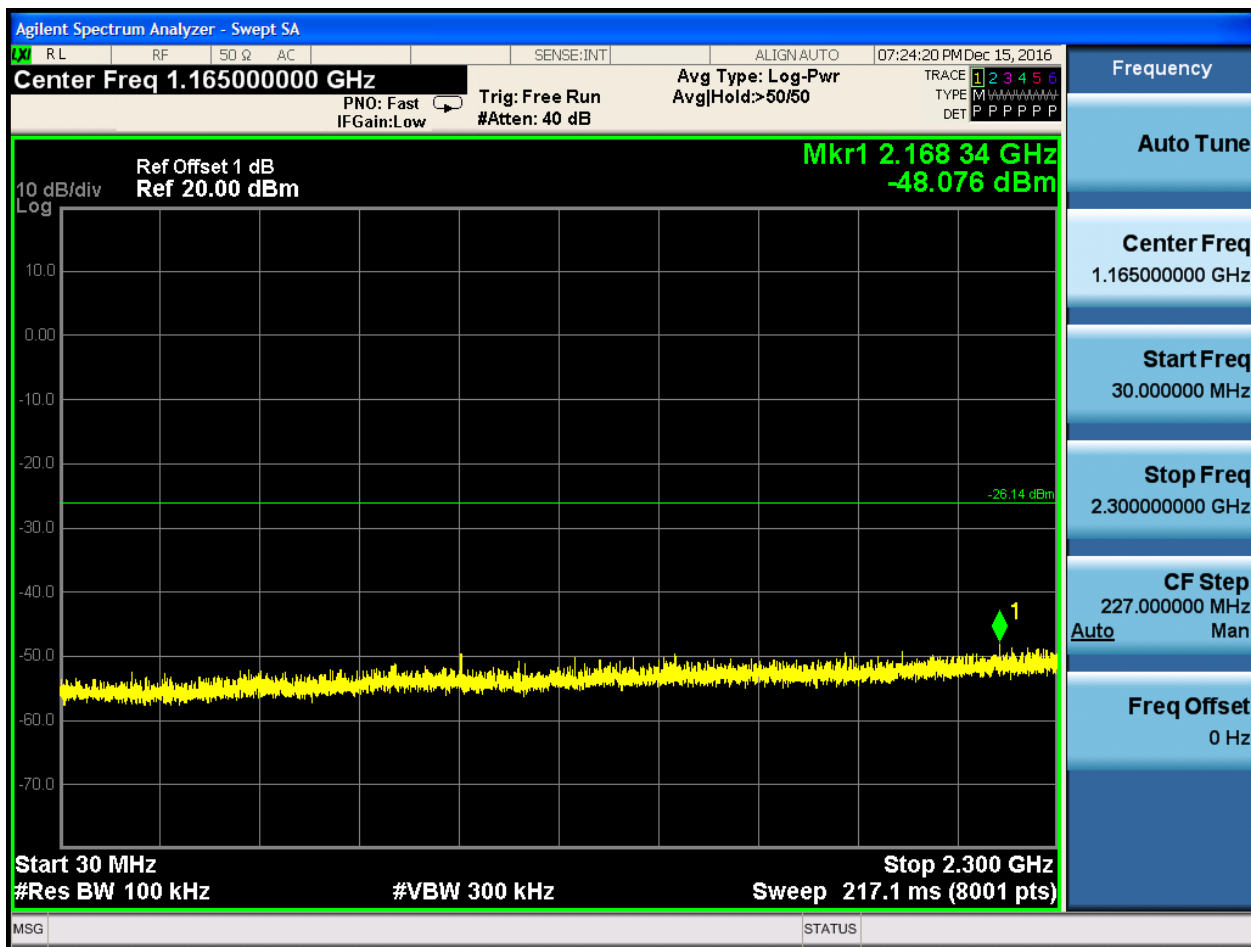


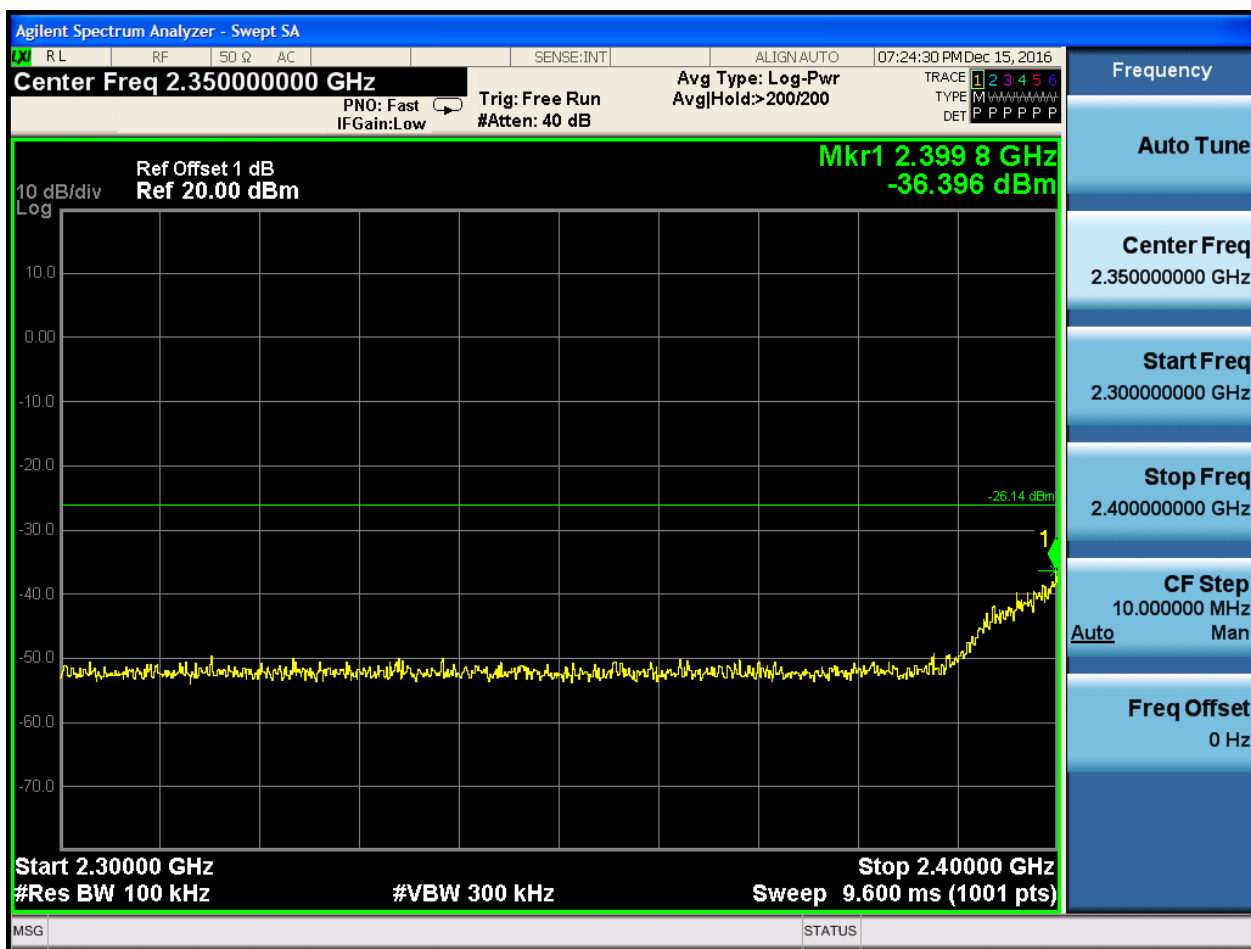


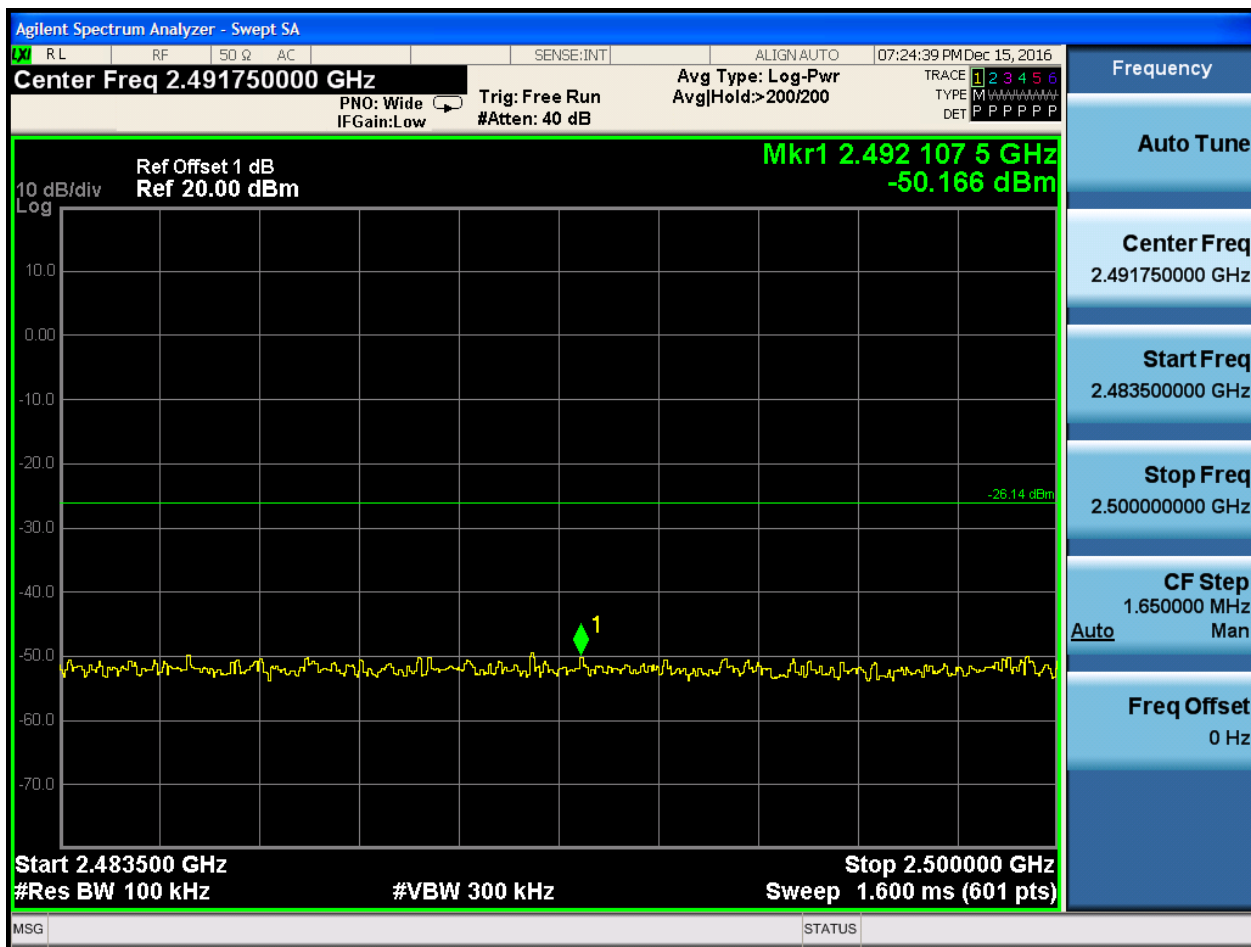
Puw:

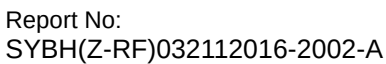








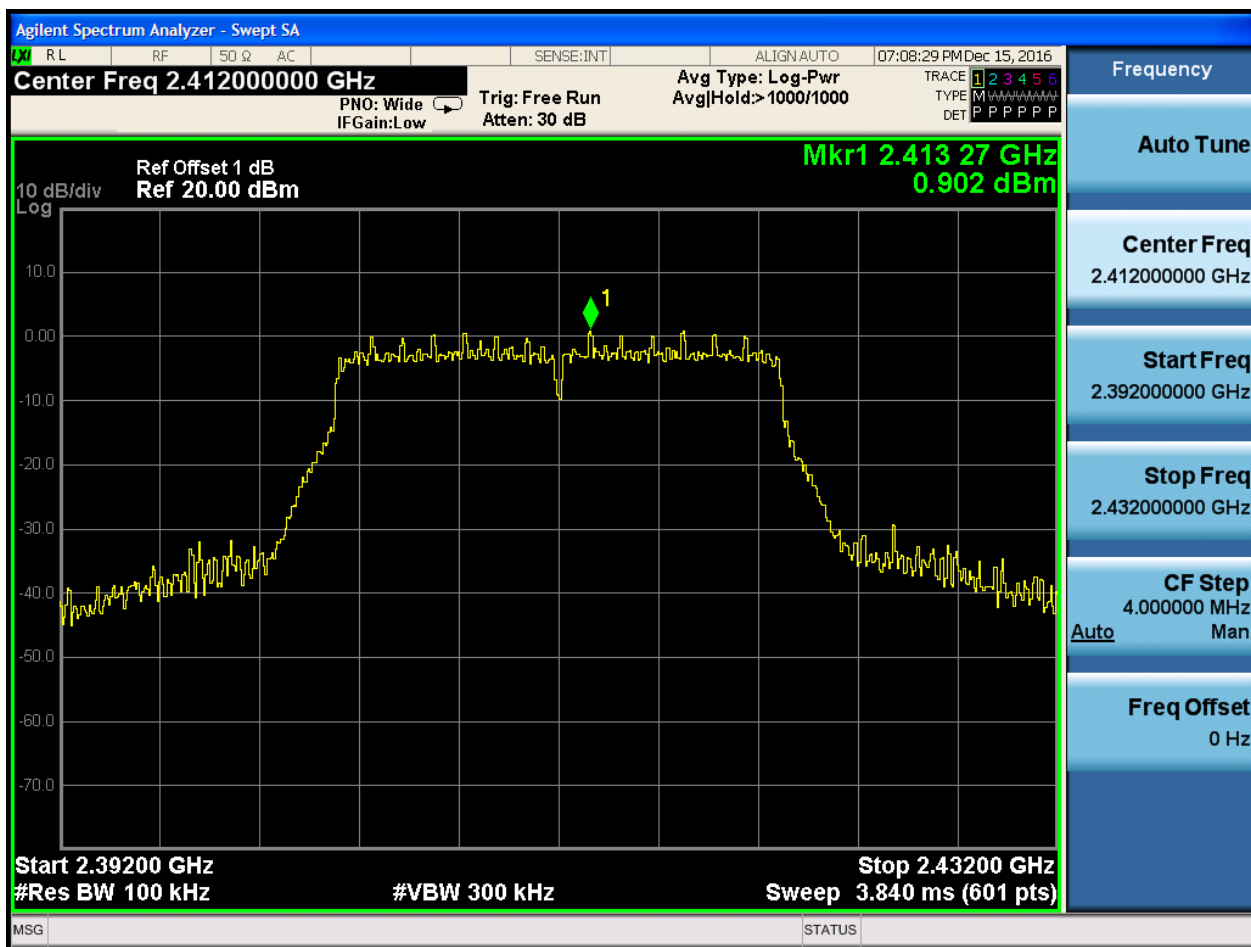






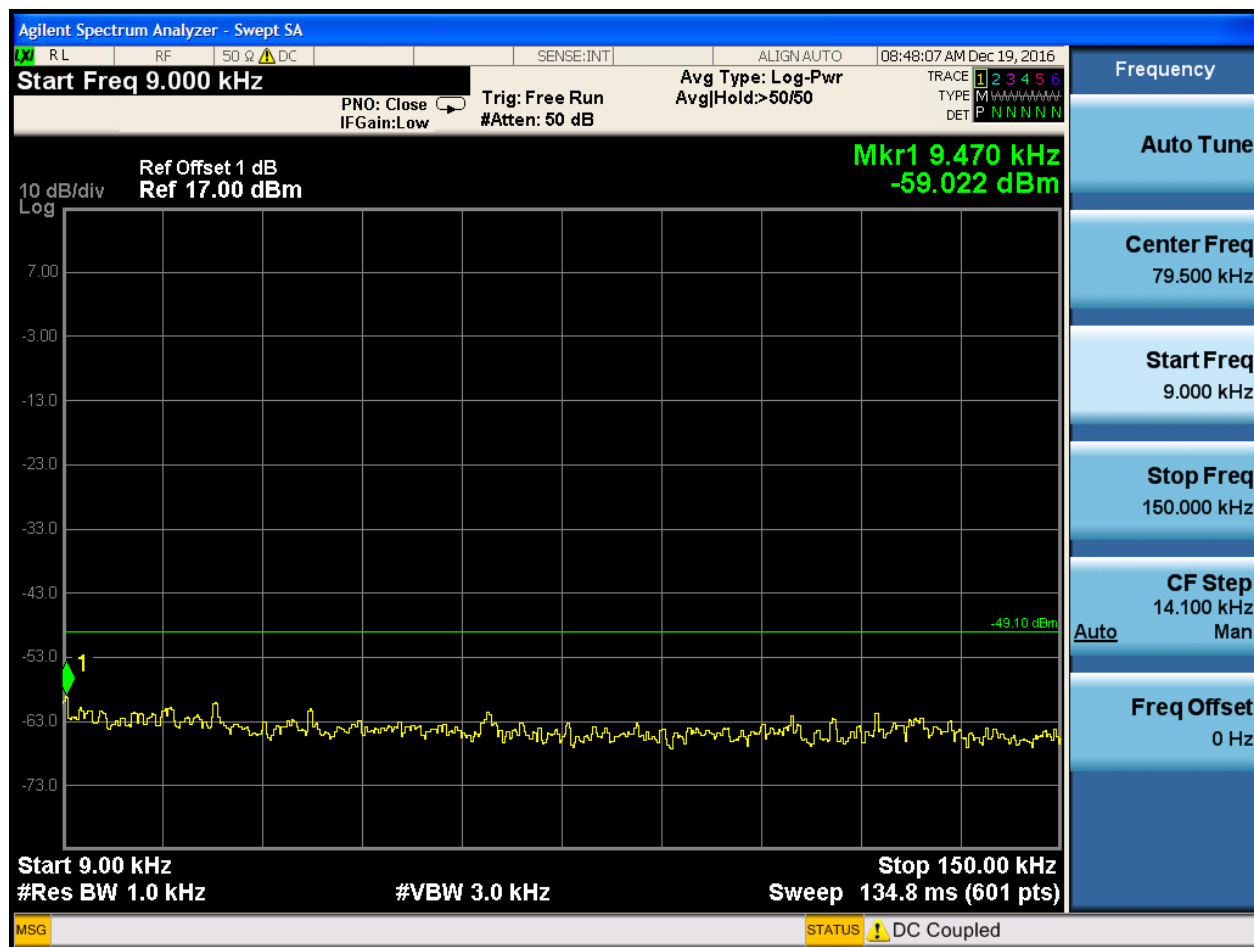
2.20 11N20m_L@Ant 2

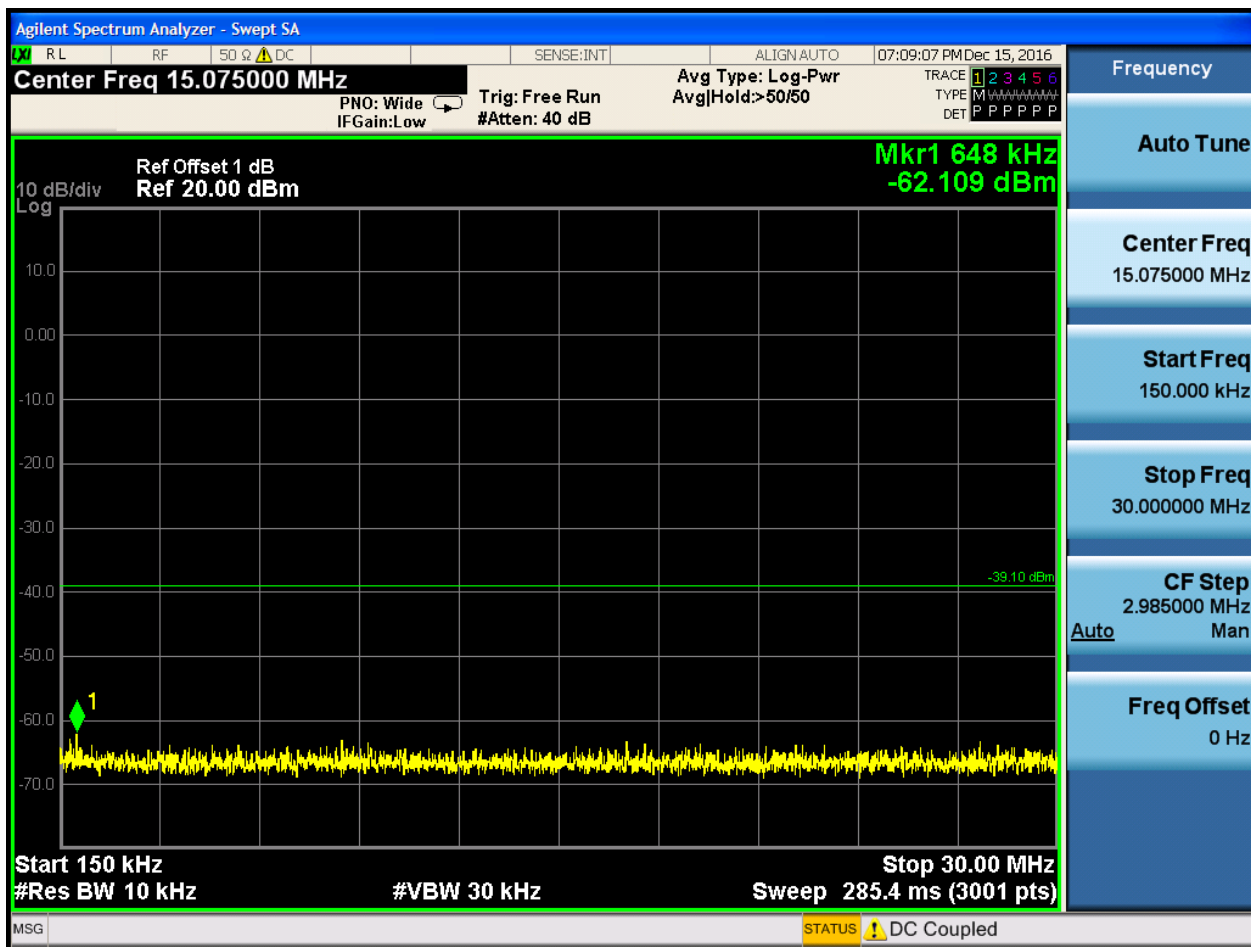
Pref:

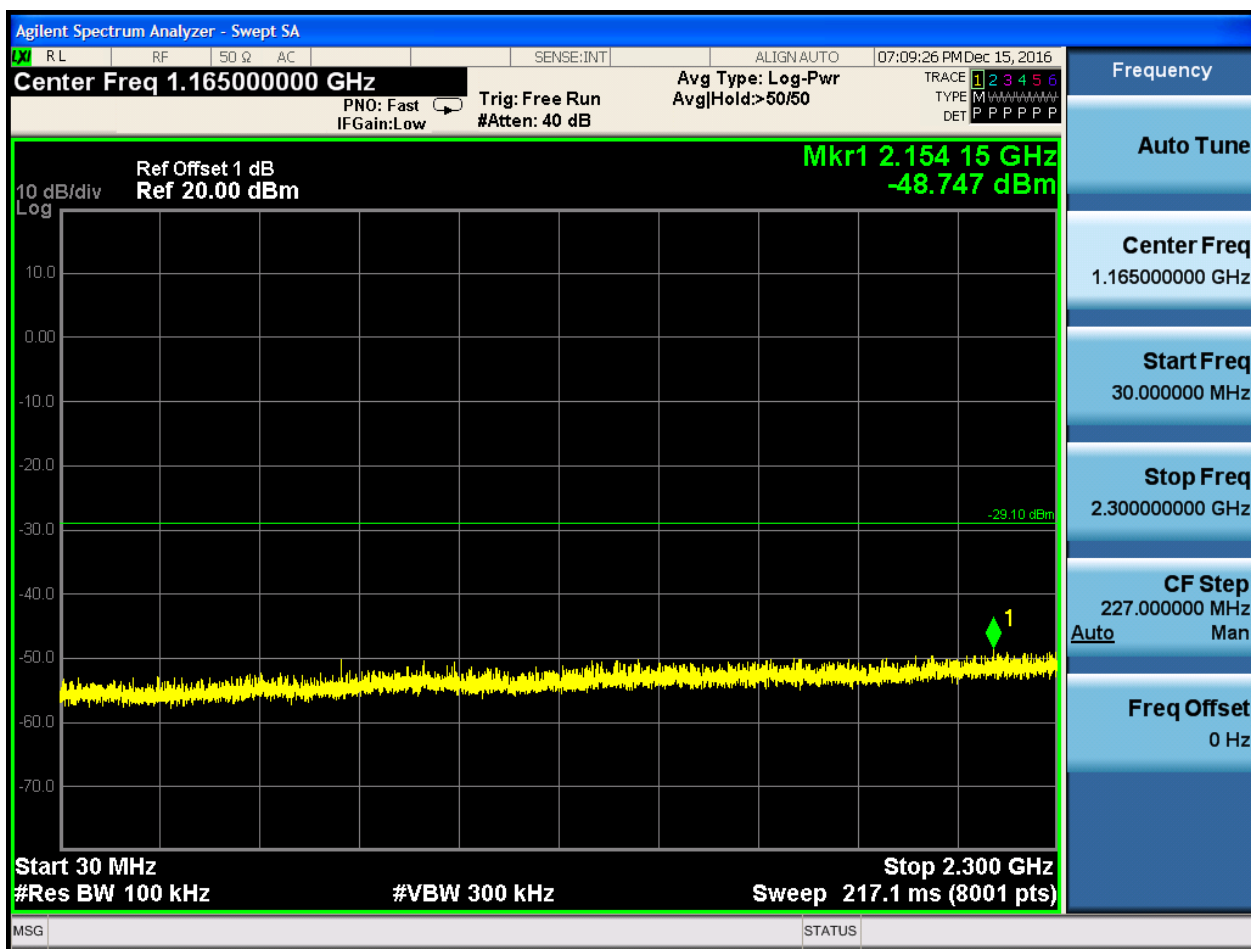


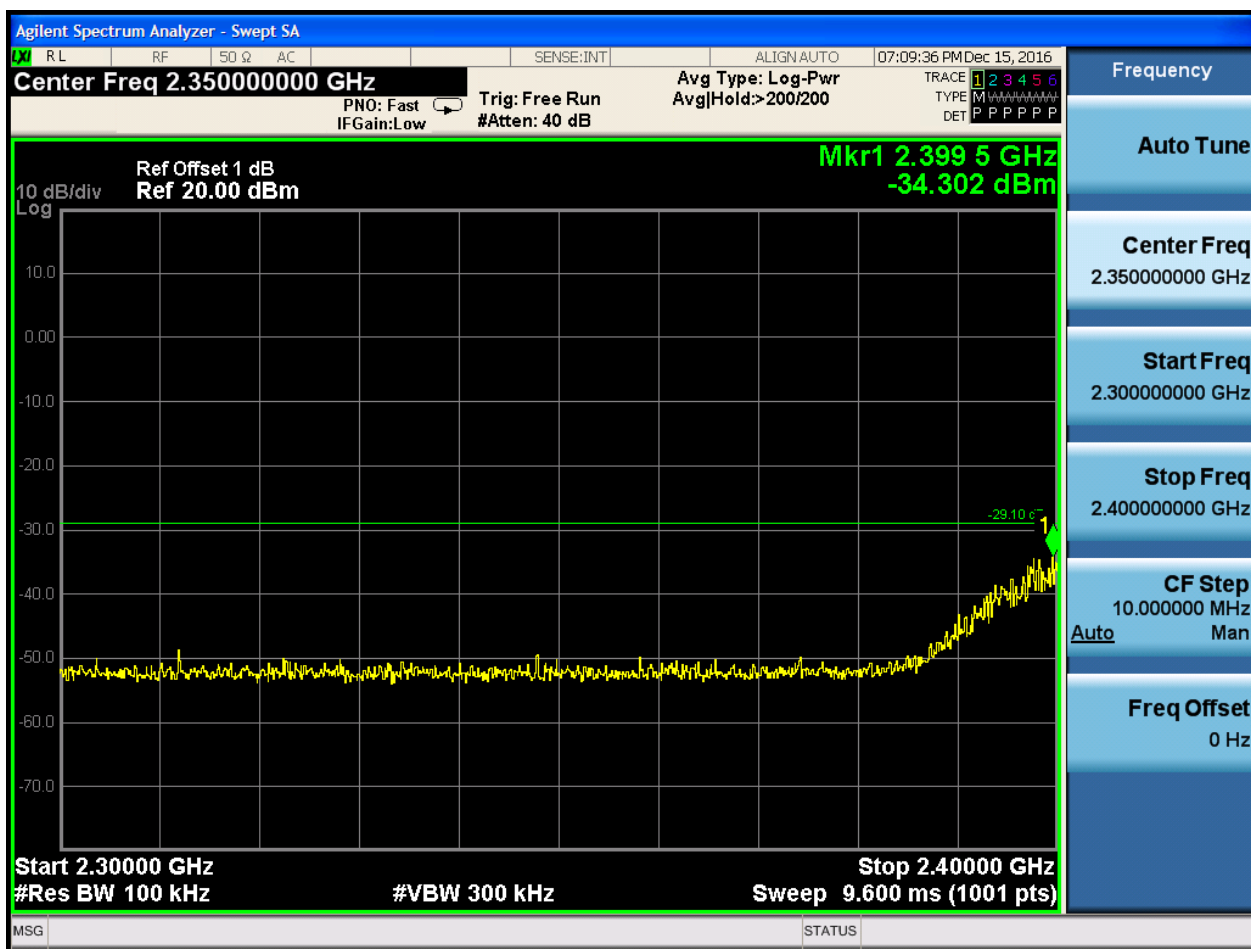


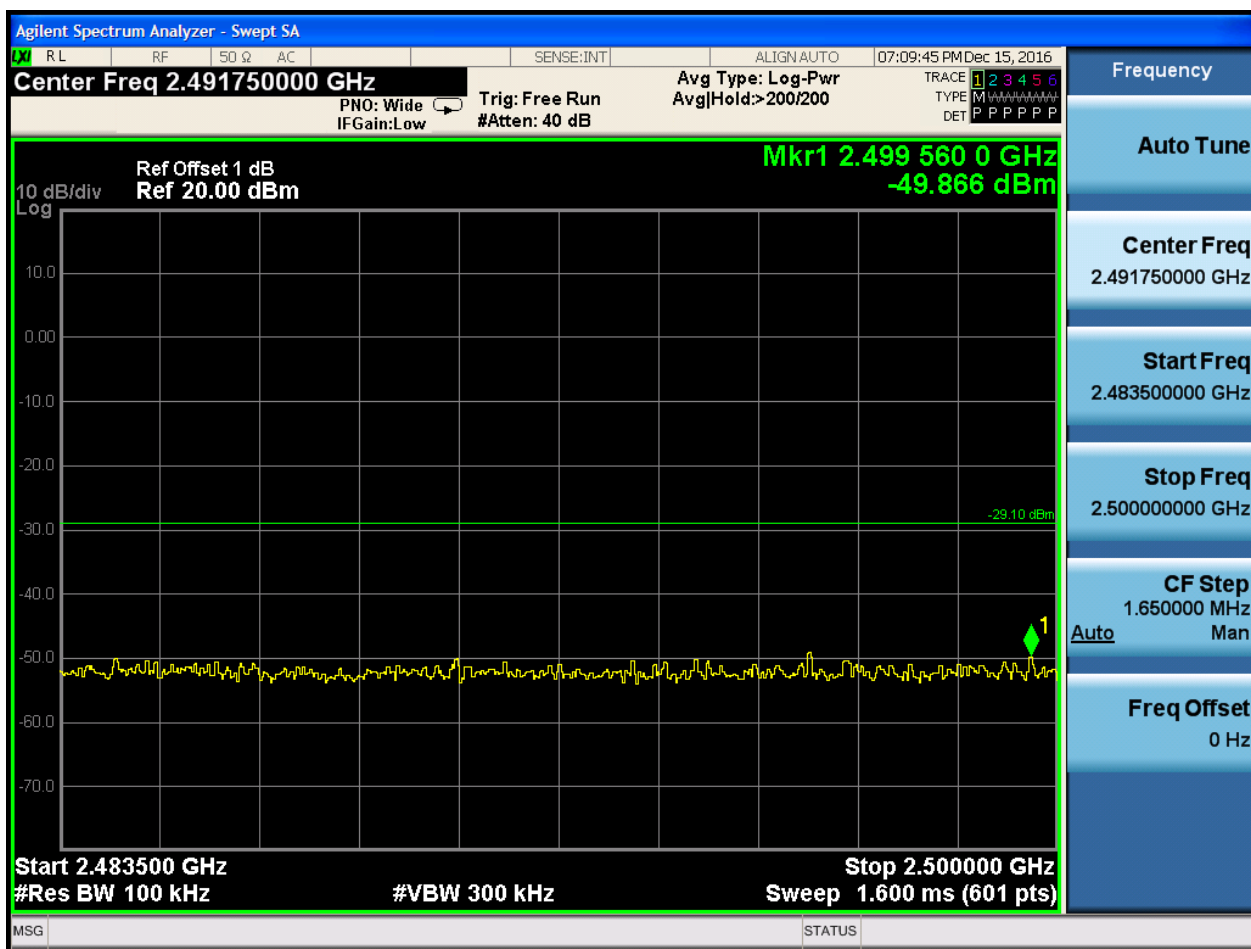
Puw:















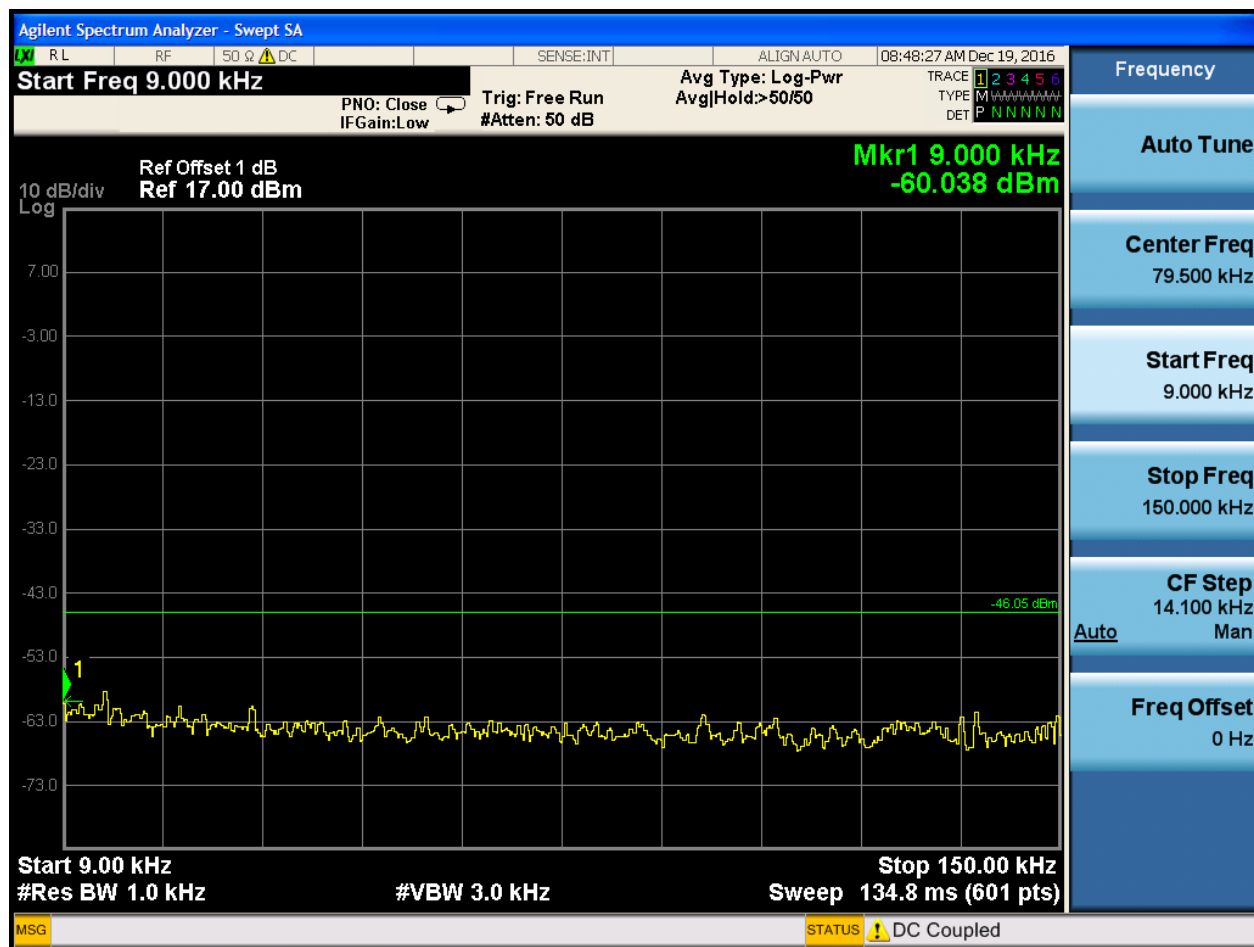
2.21 11N20m_M@Ant 1

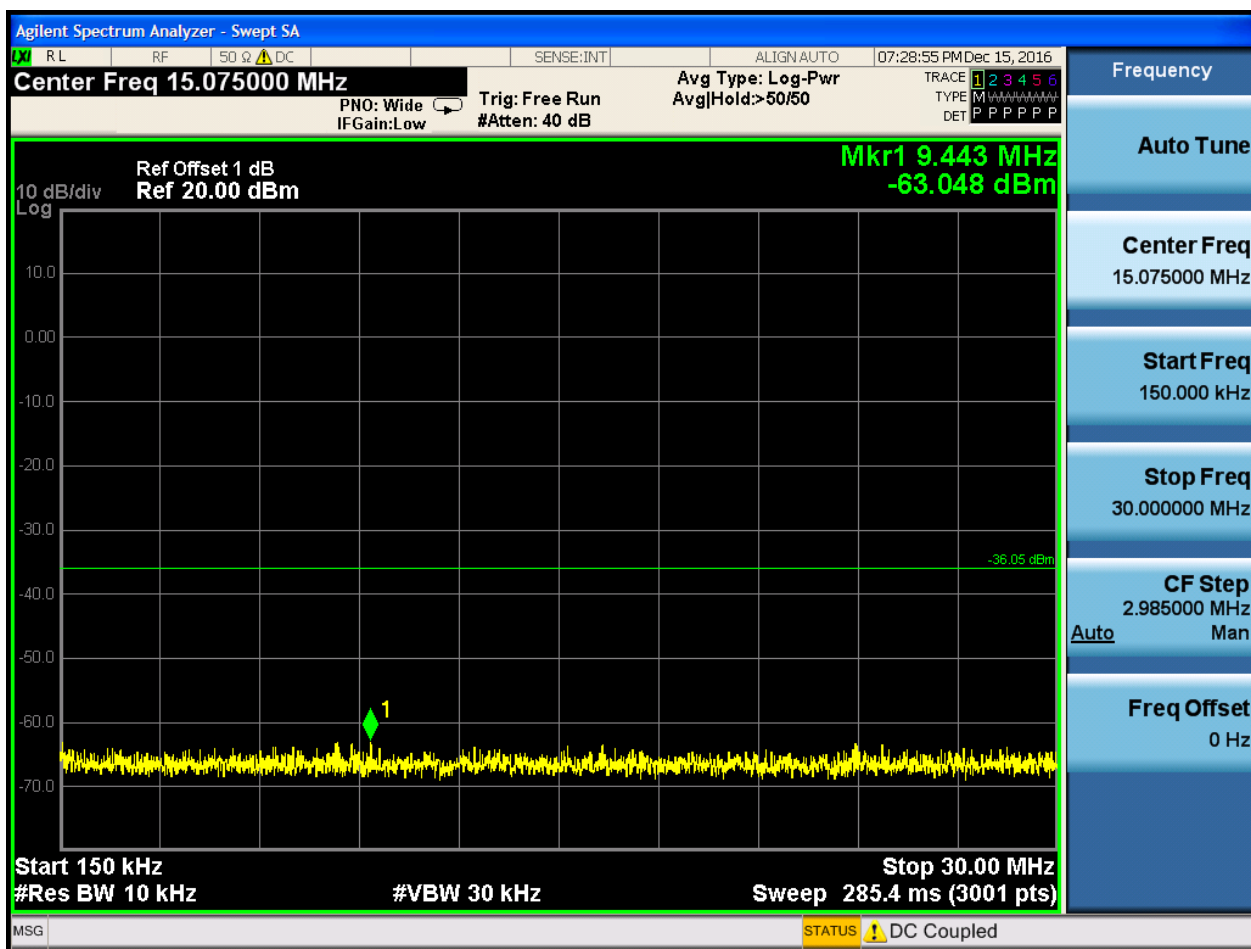
Pref:

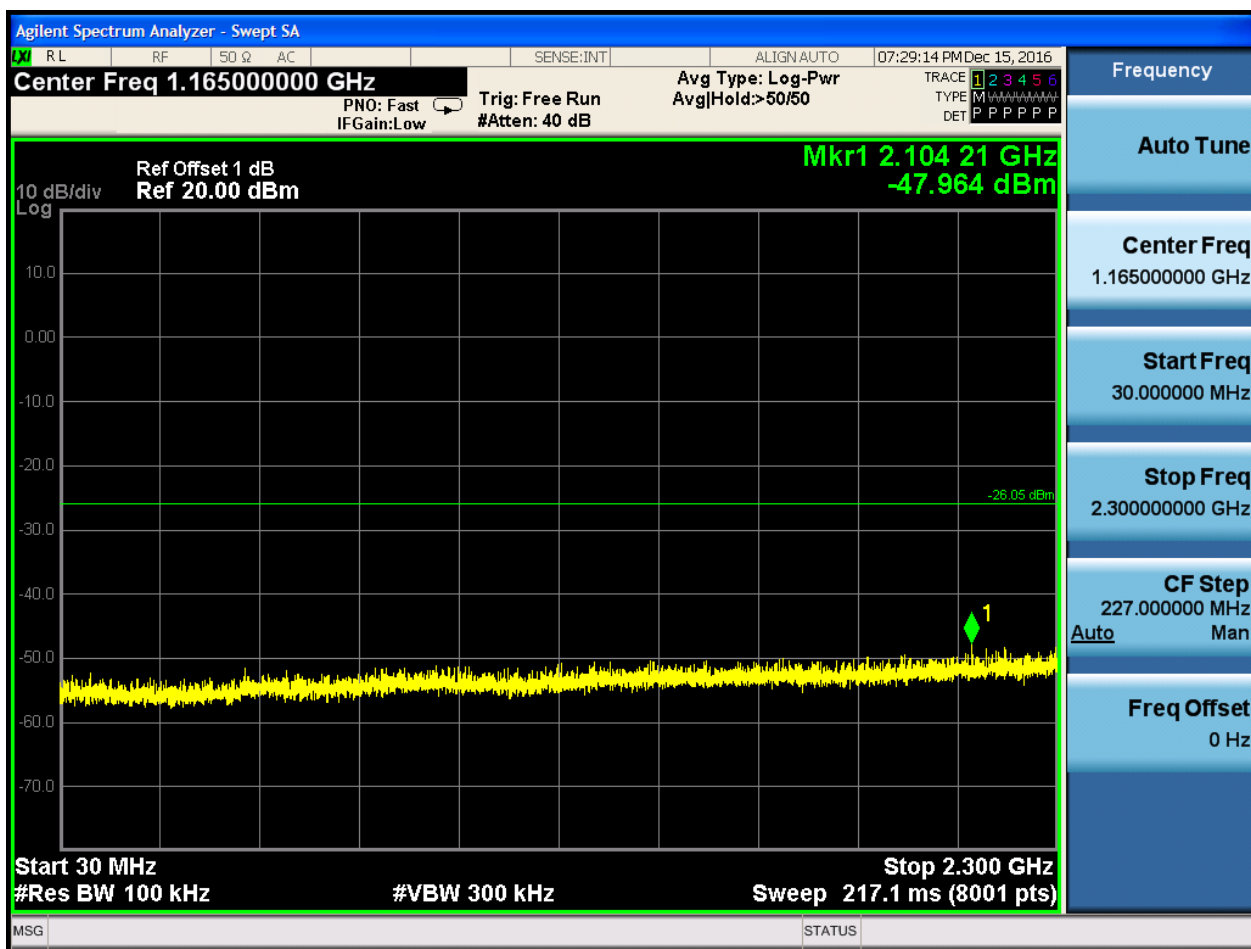


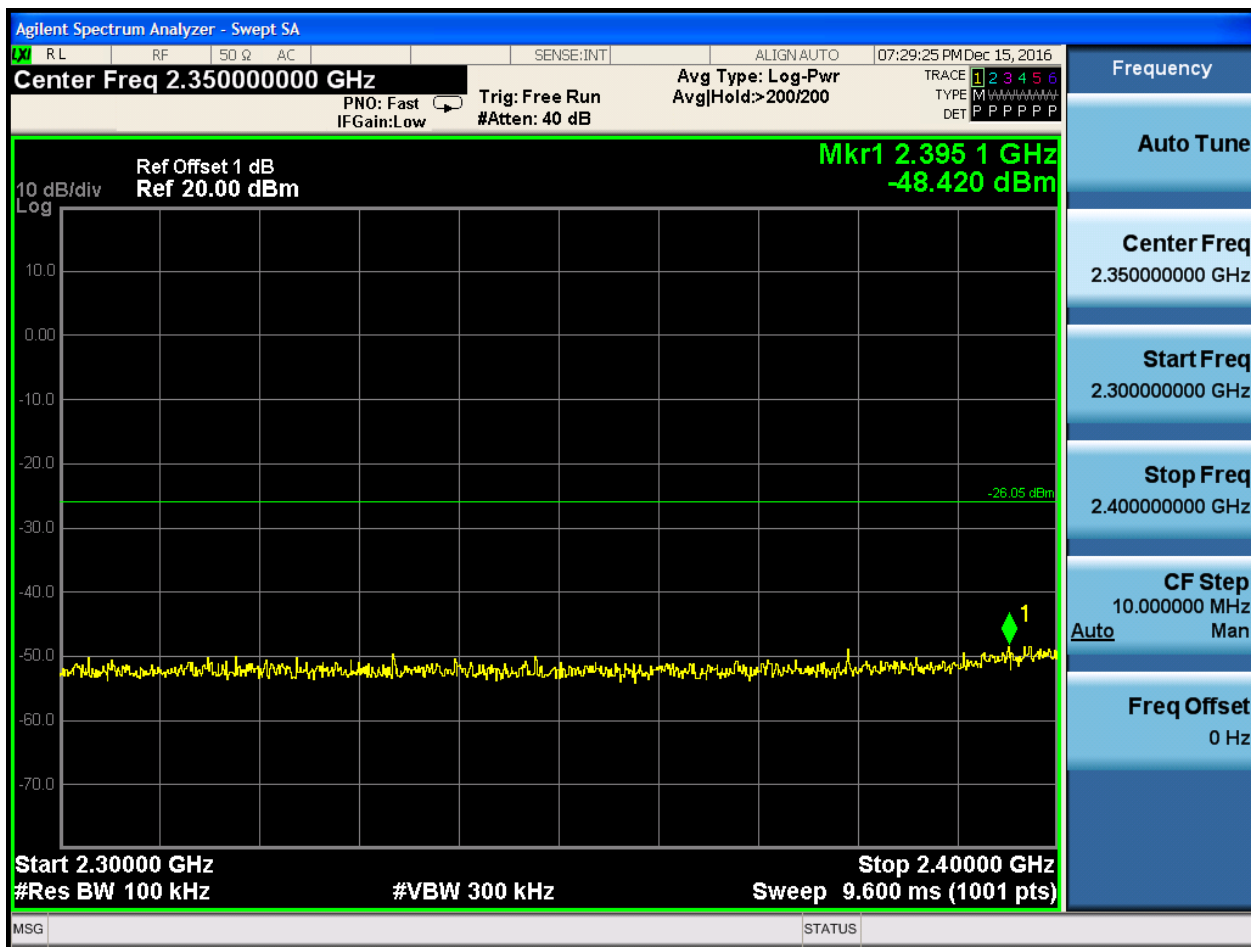


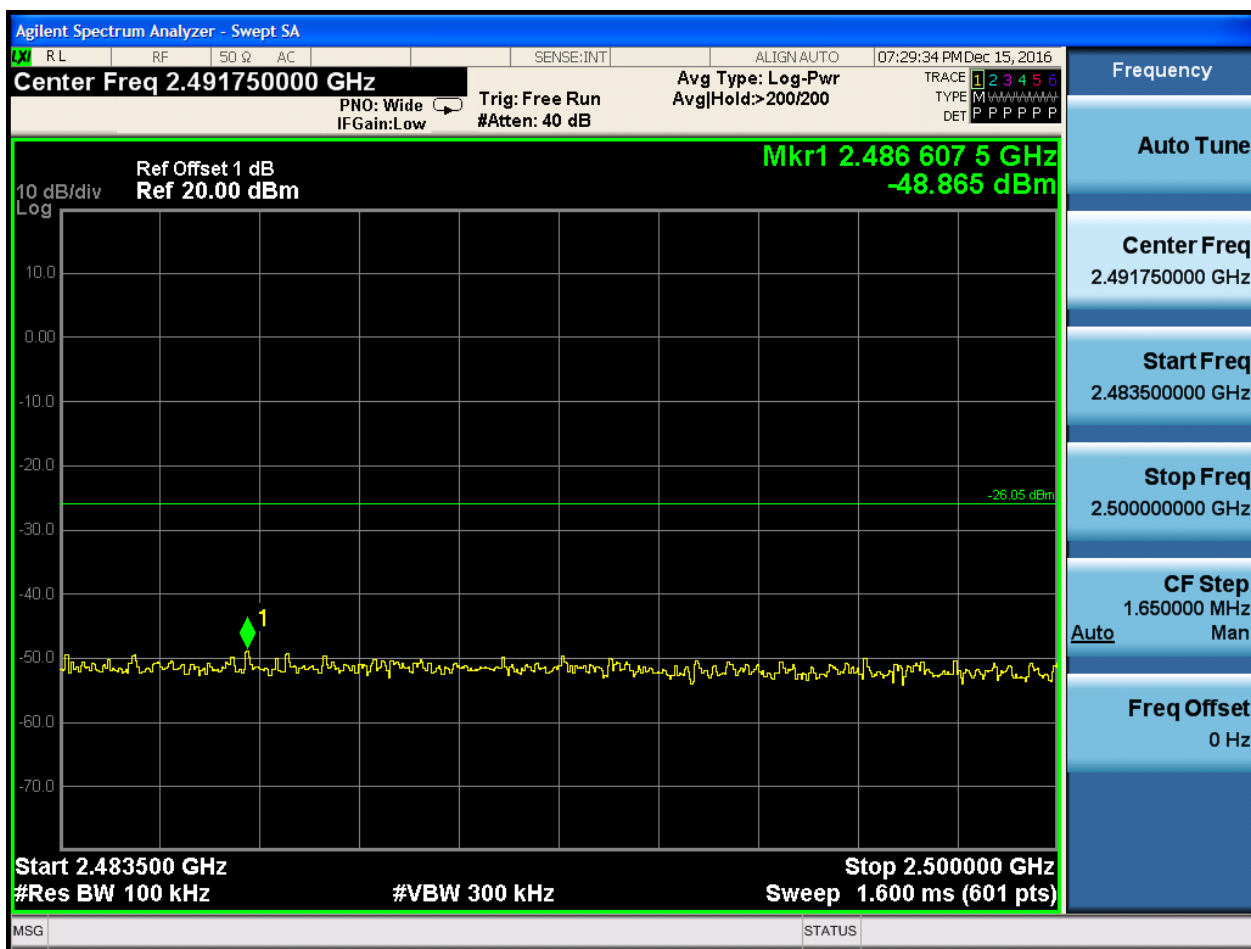
Puw:









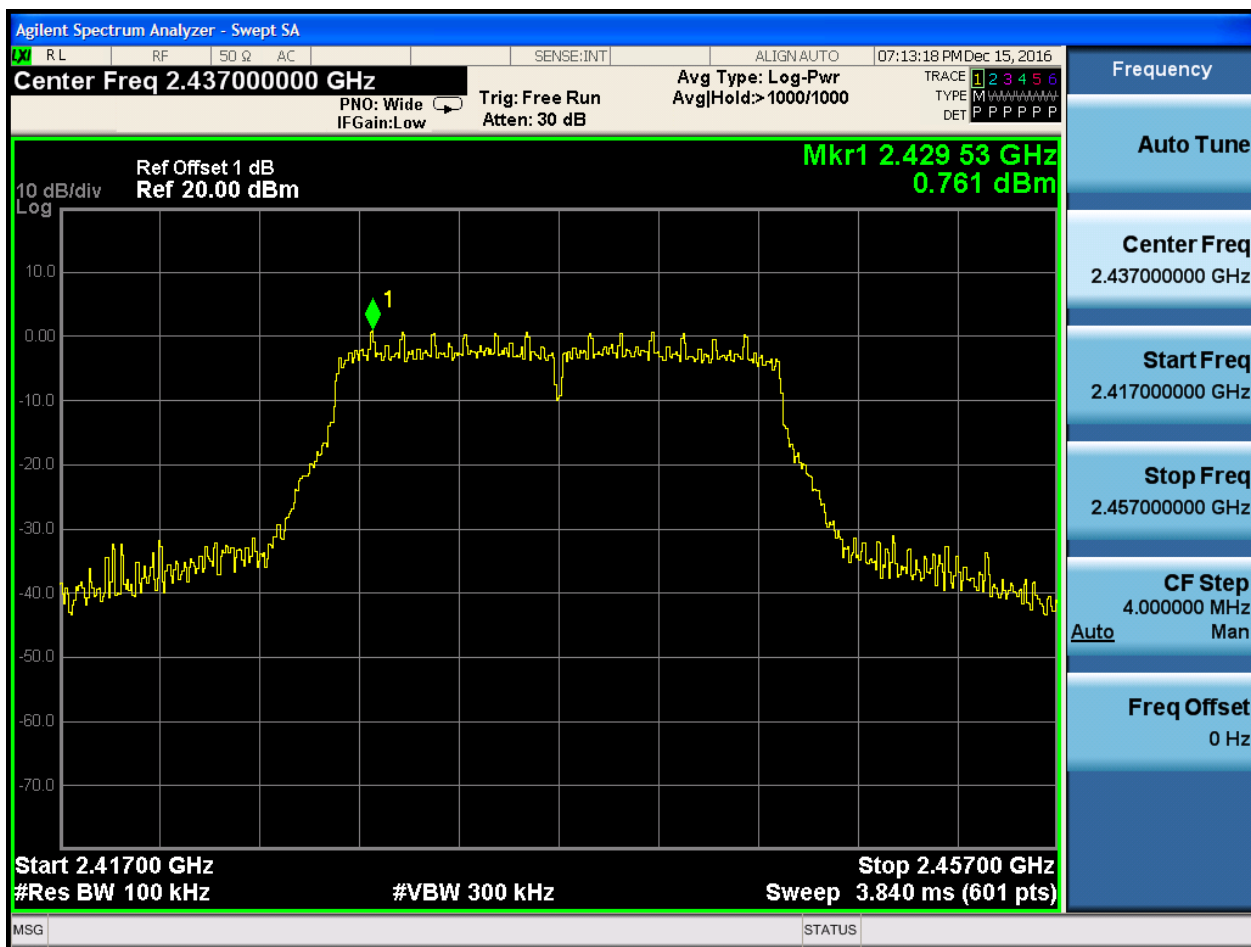






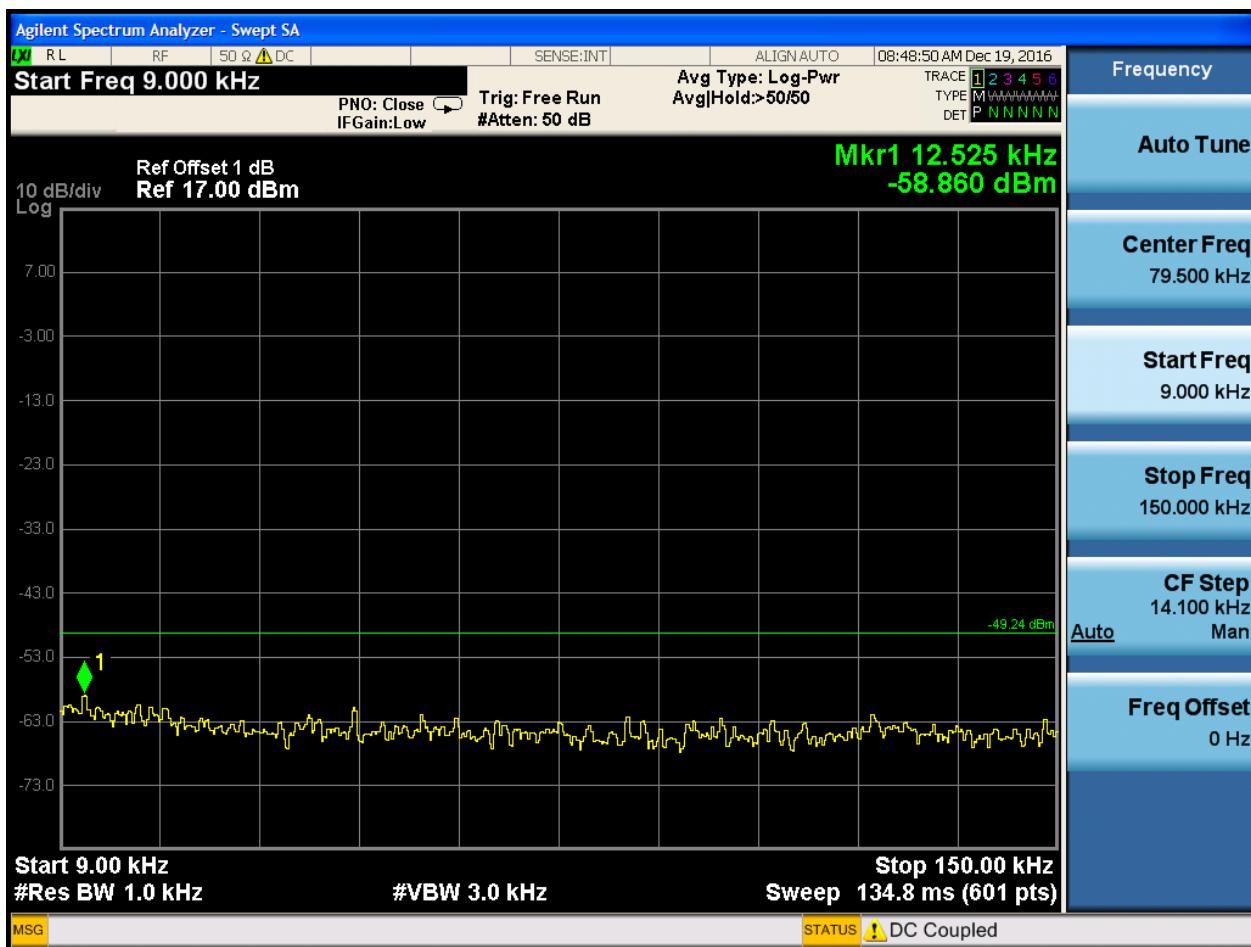
2.22 11N20m_M@Ant 2

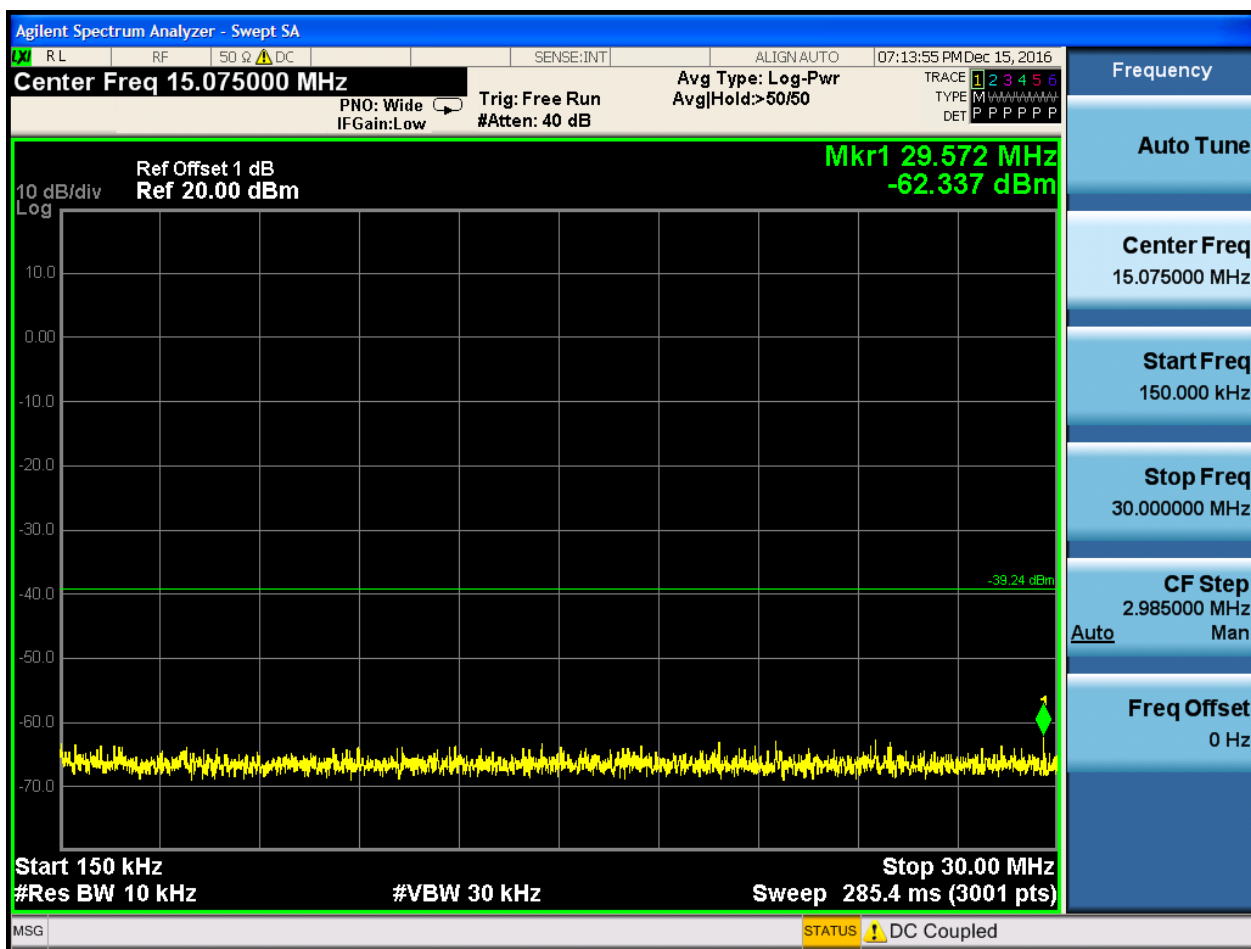
Pref:

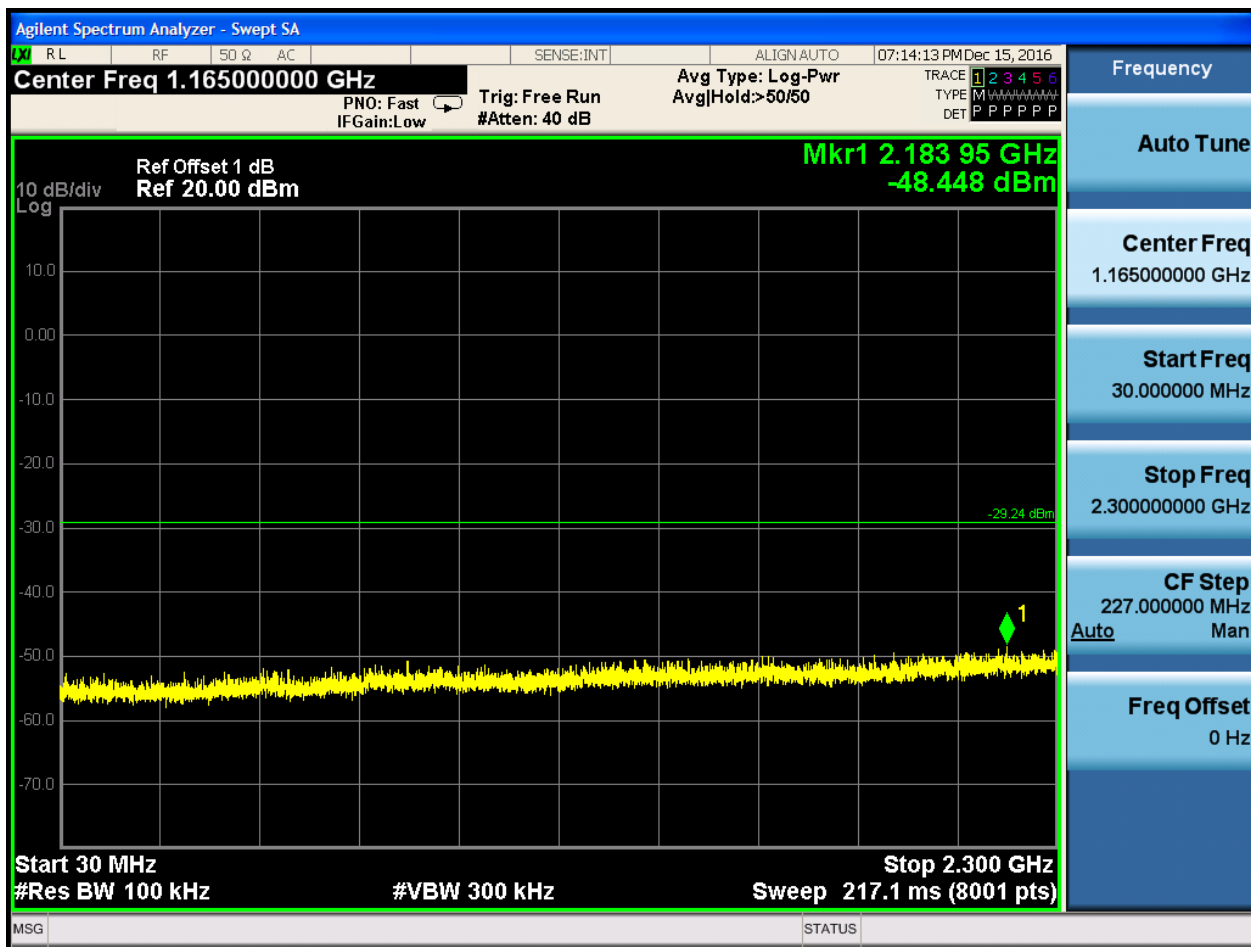


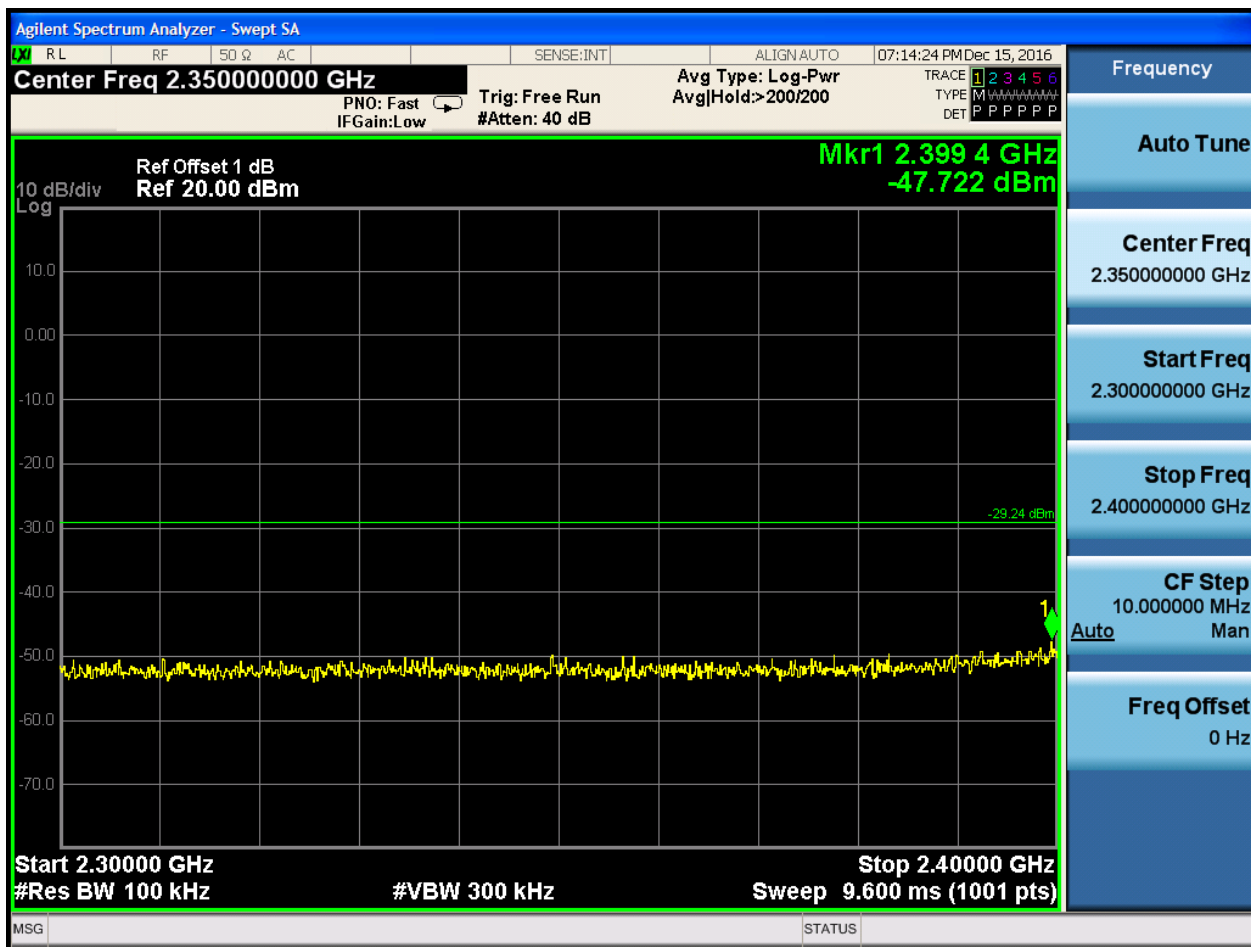


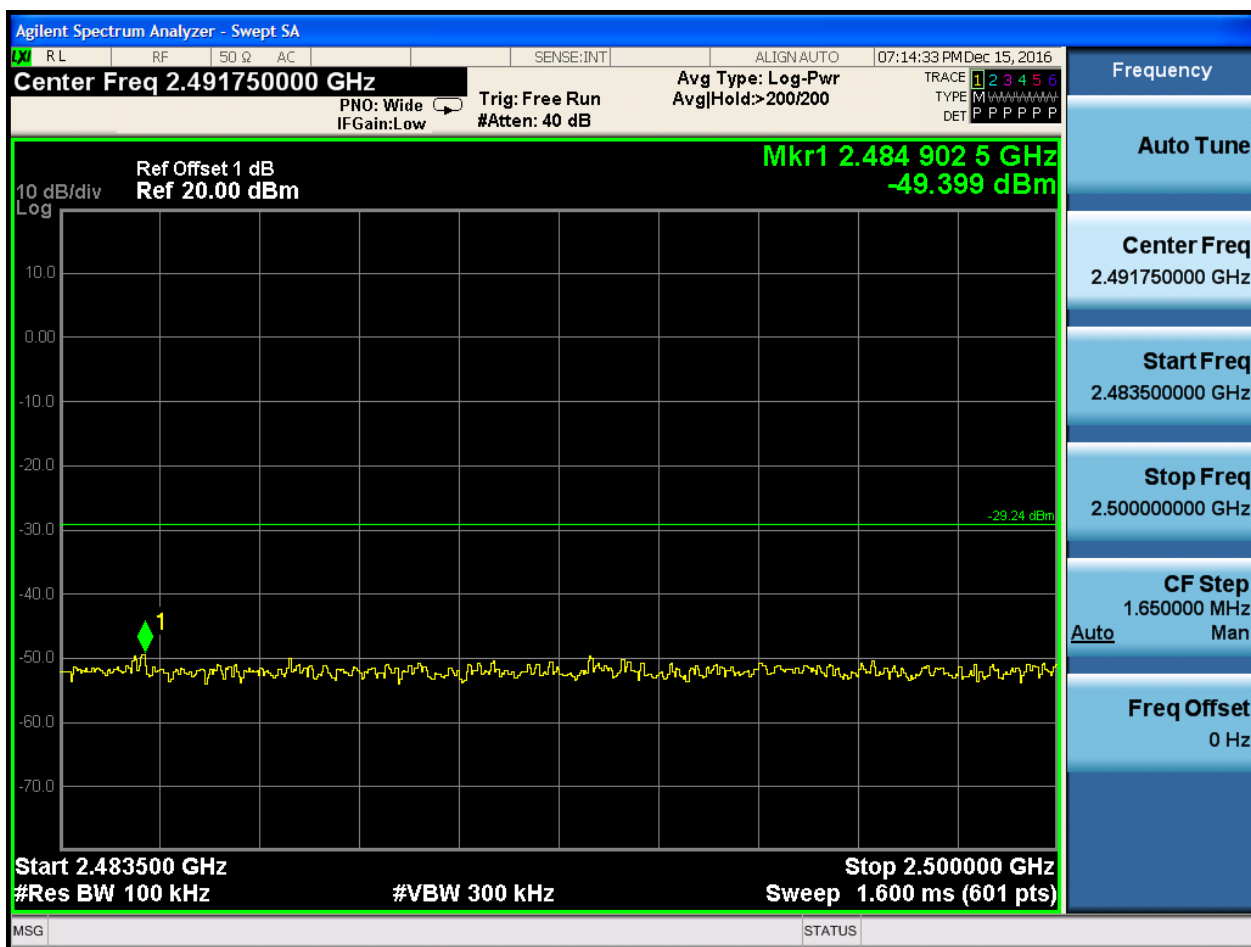
Puw:









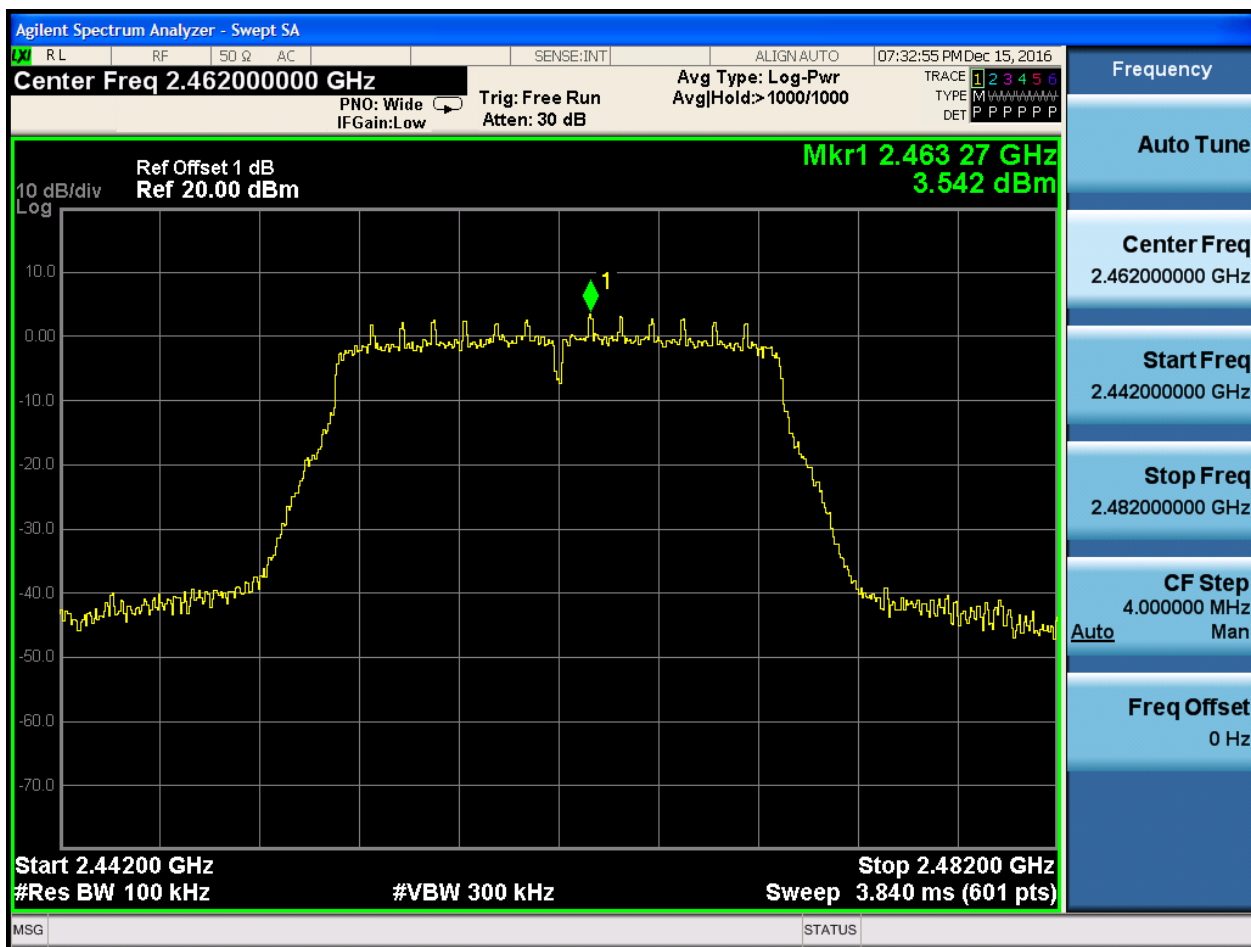






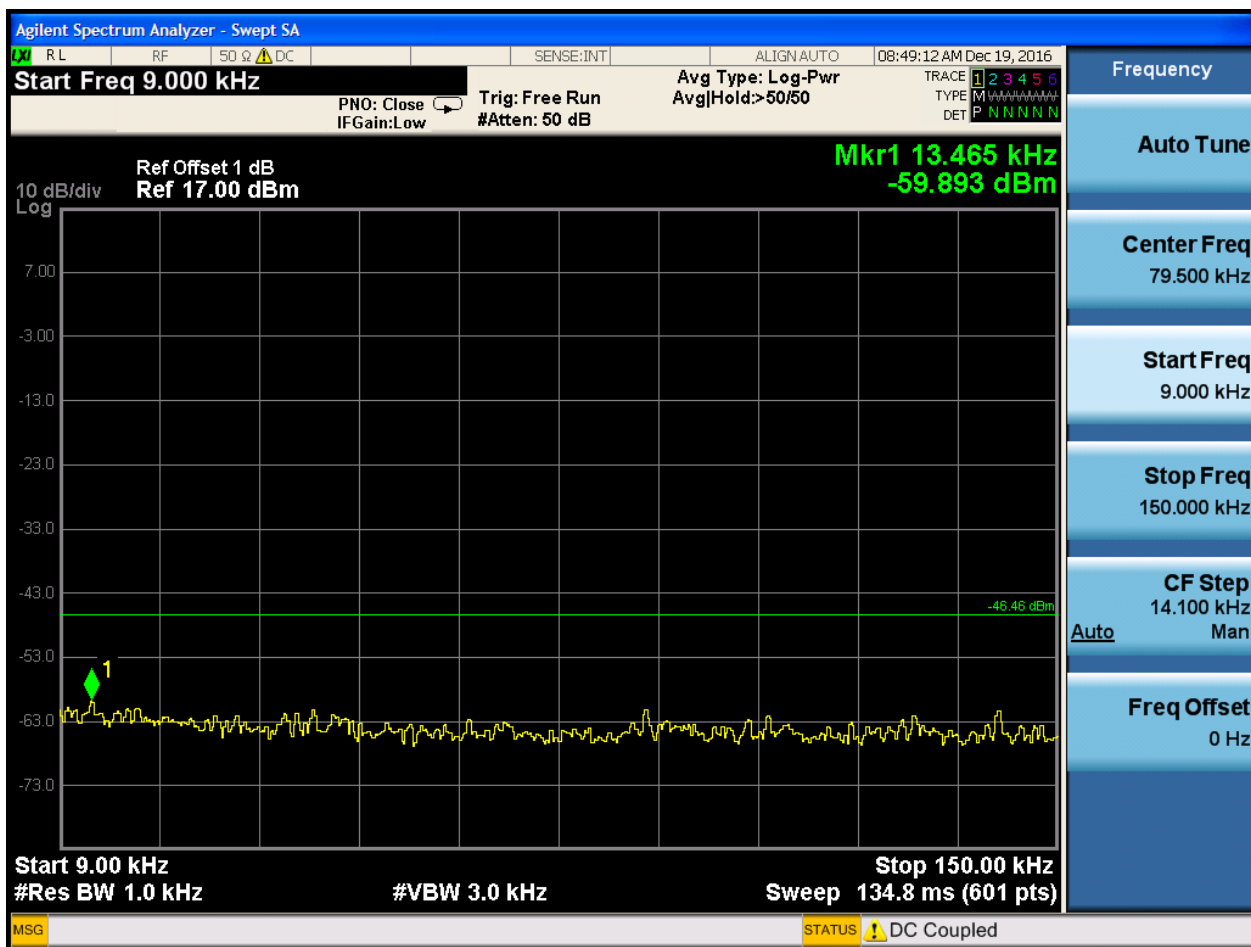
2.23 11N20m_H@Ant 1

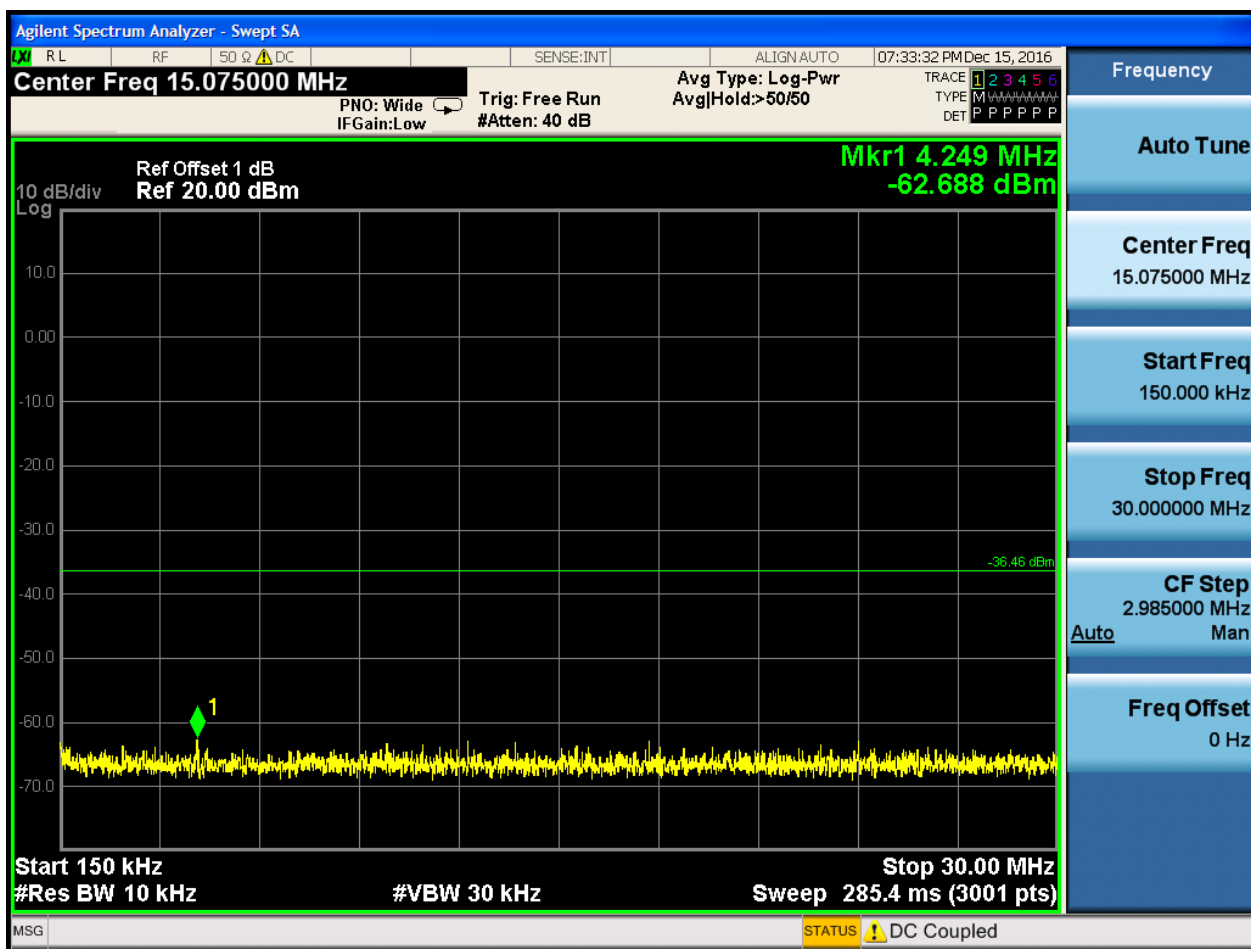
Pref:

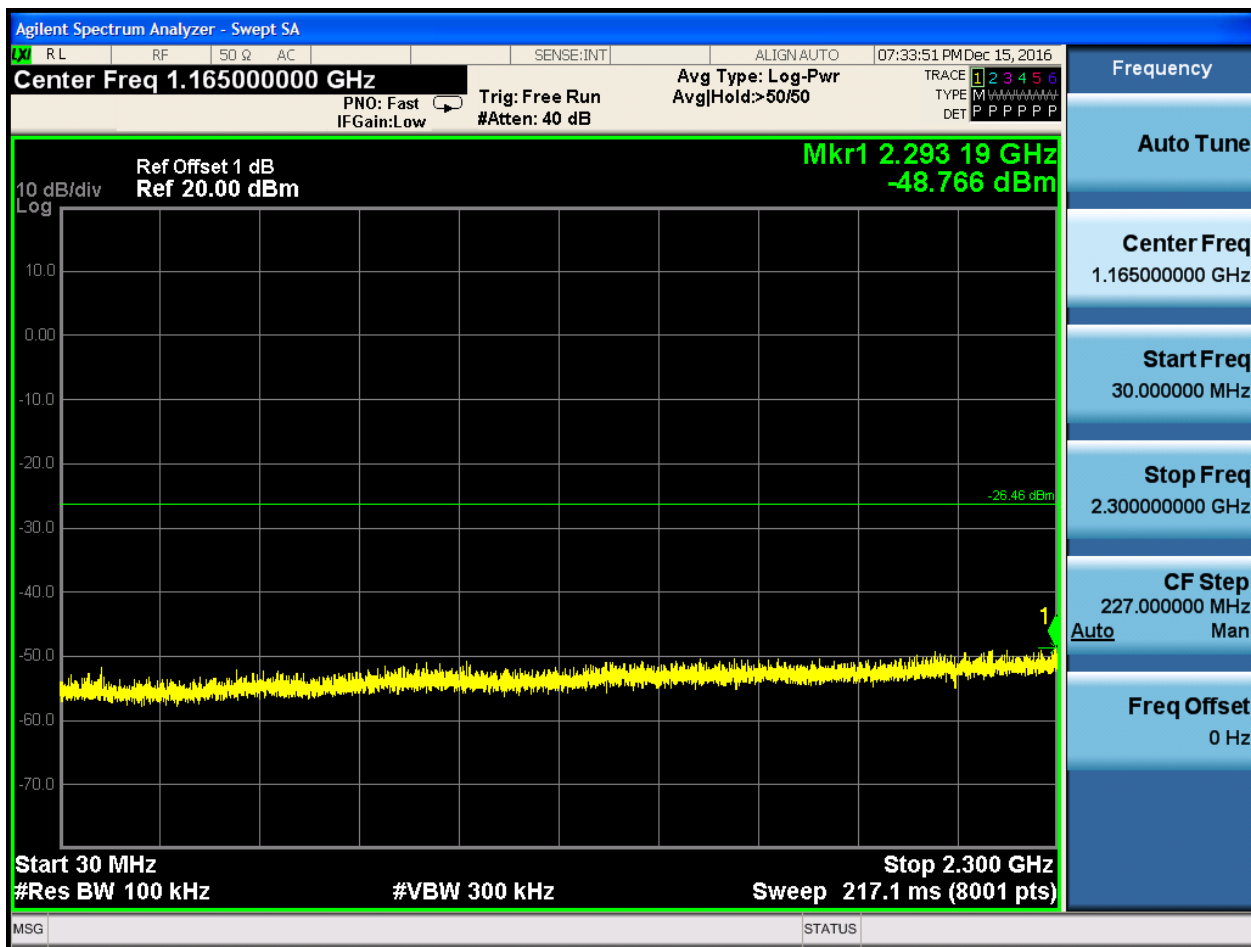


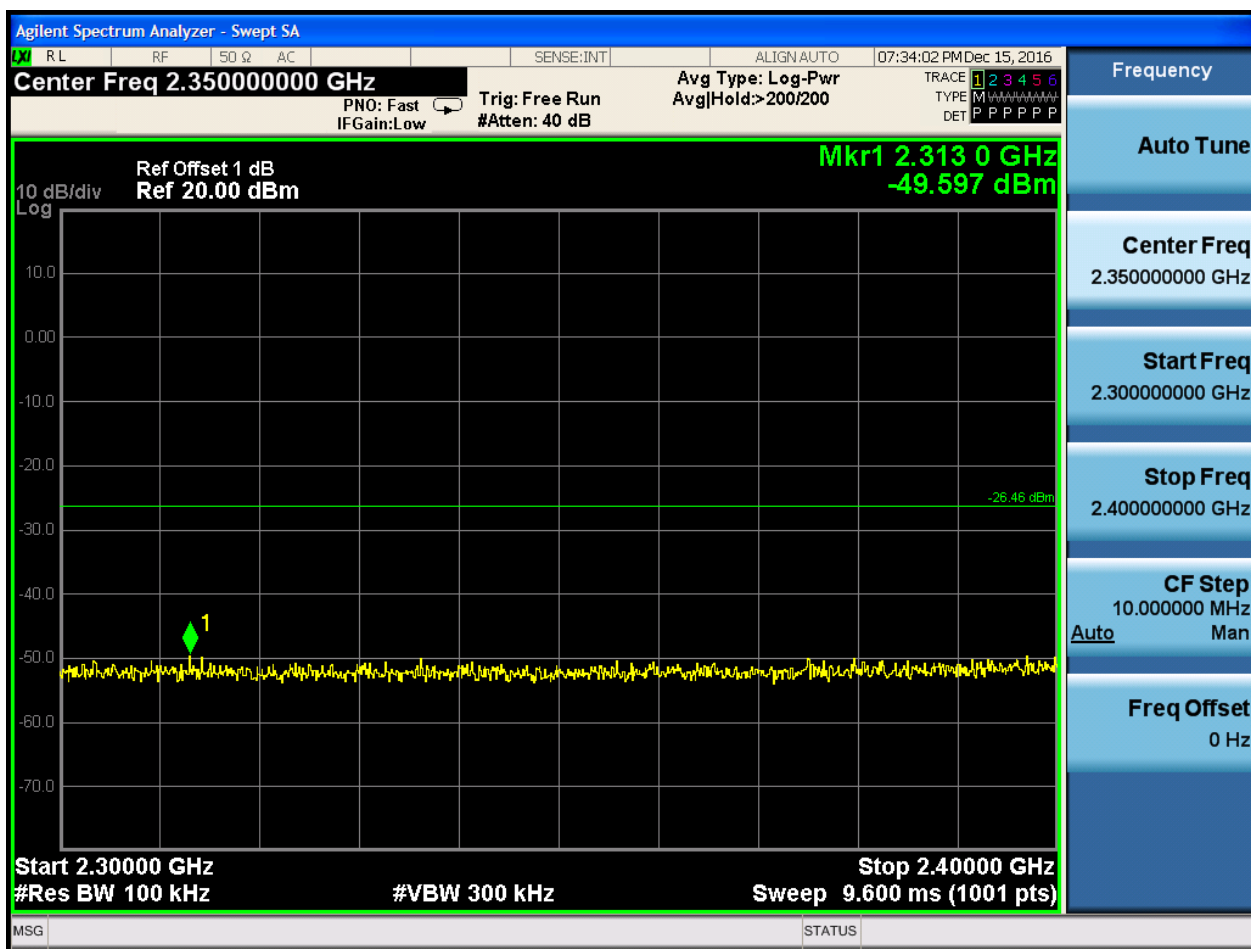


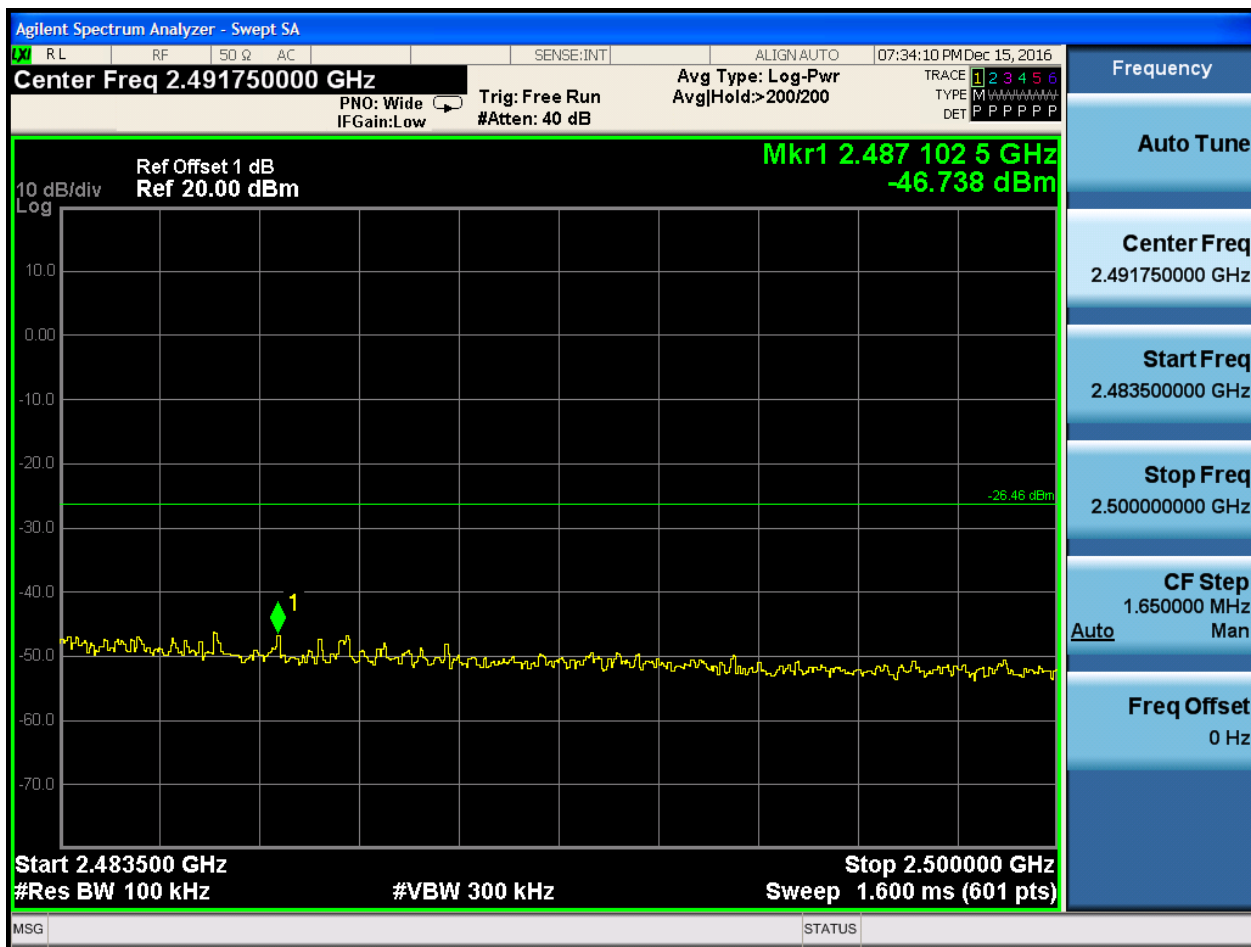
Puw:









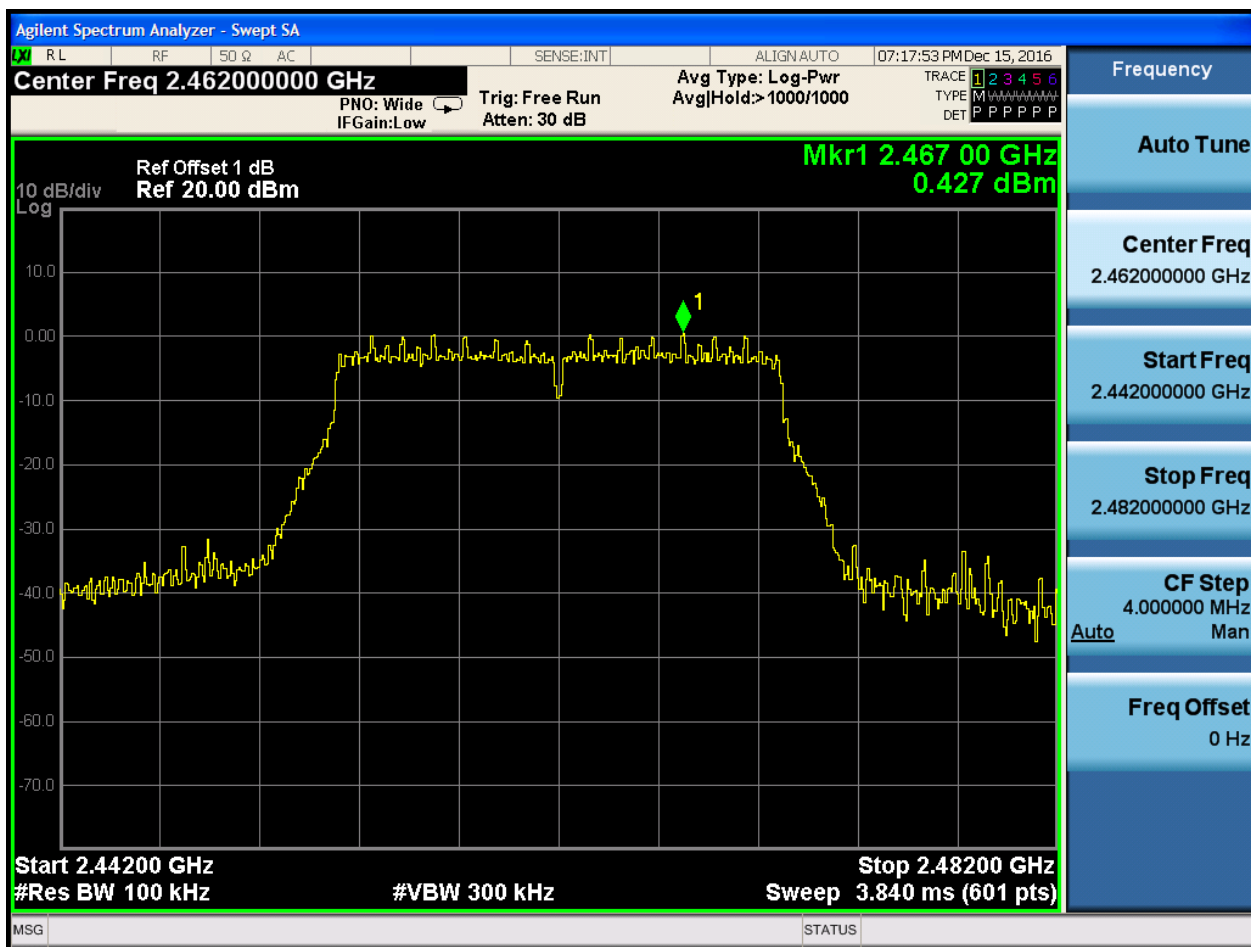






2.24 11N20m_H@Ant 2

Pref:





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN: AUTO 08:49:33 AM Dec 19, 2016

Start Freq 9.000 kHz Avg Type: Log-Pwr Trg: Free Run PNO: Close IFGain:Low #Atten: 50 dB

TYPE M DET P

10 dB/div Log Ref Offset 1 dB Ref 17.00 dBm

Mkr1 10.880 kHz -60.208 dBm

7.00 -3.00 -13.0 -23.0 -33.0 -43.0 -53.0 -63.0 -73.0

1

-49.57 dBm

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

MSG STATUS DC Coupled

Frequency

Auto Tune

Center Freq 79.500 kHz

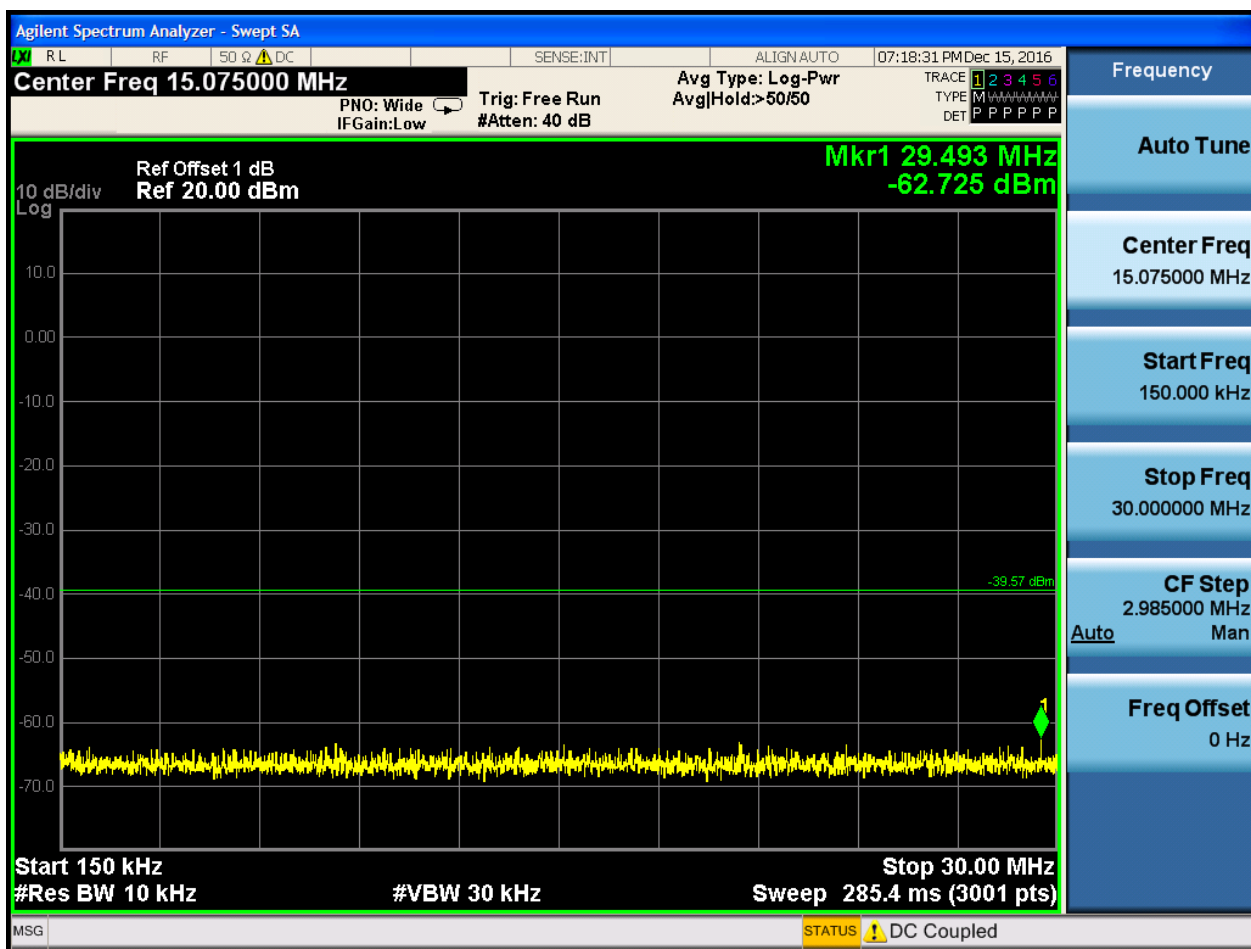
Start Freq 9.000 kHz

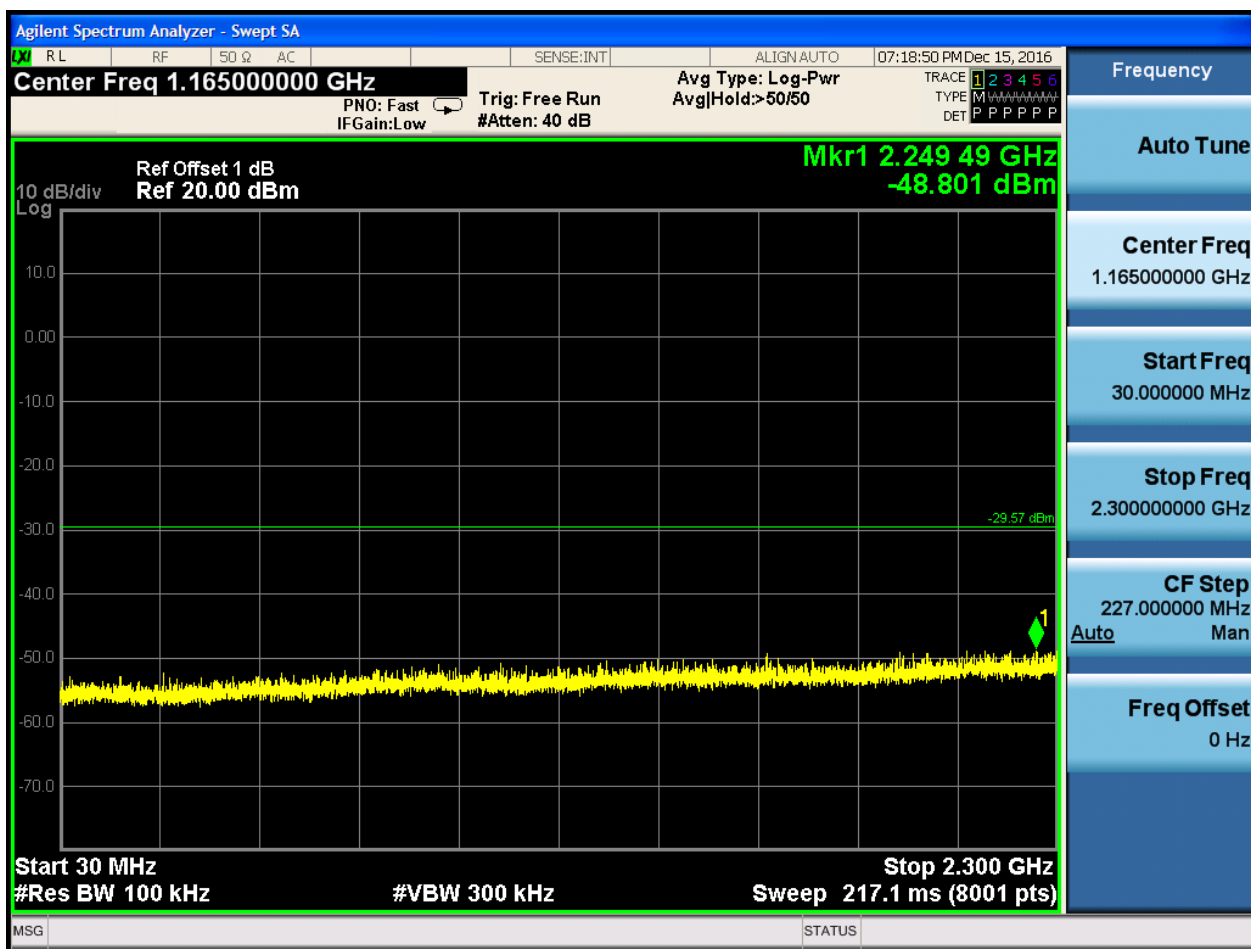
Stop Freq 150.000 kHz

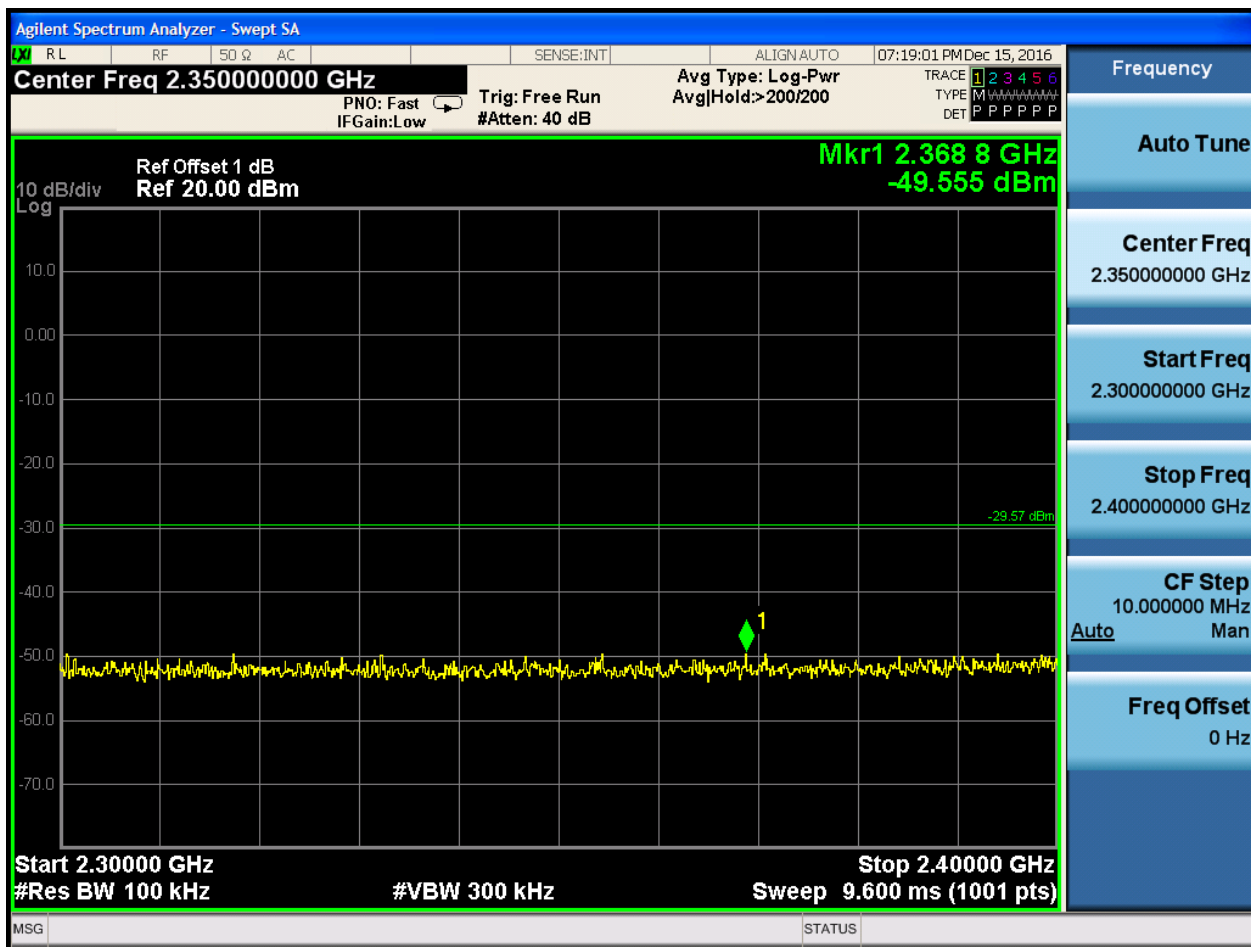
CF Step 14.100 kHz Man

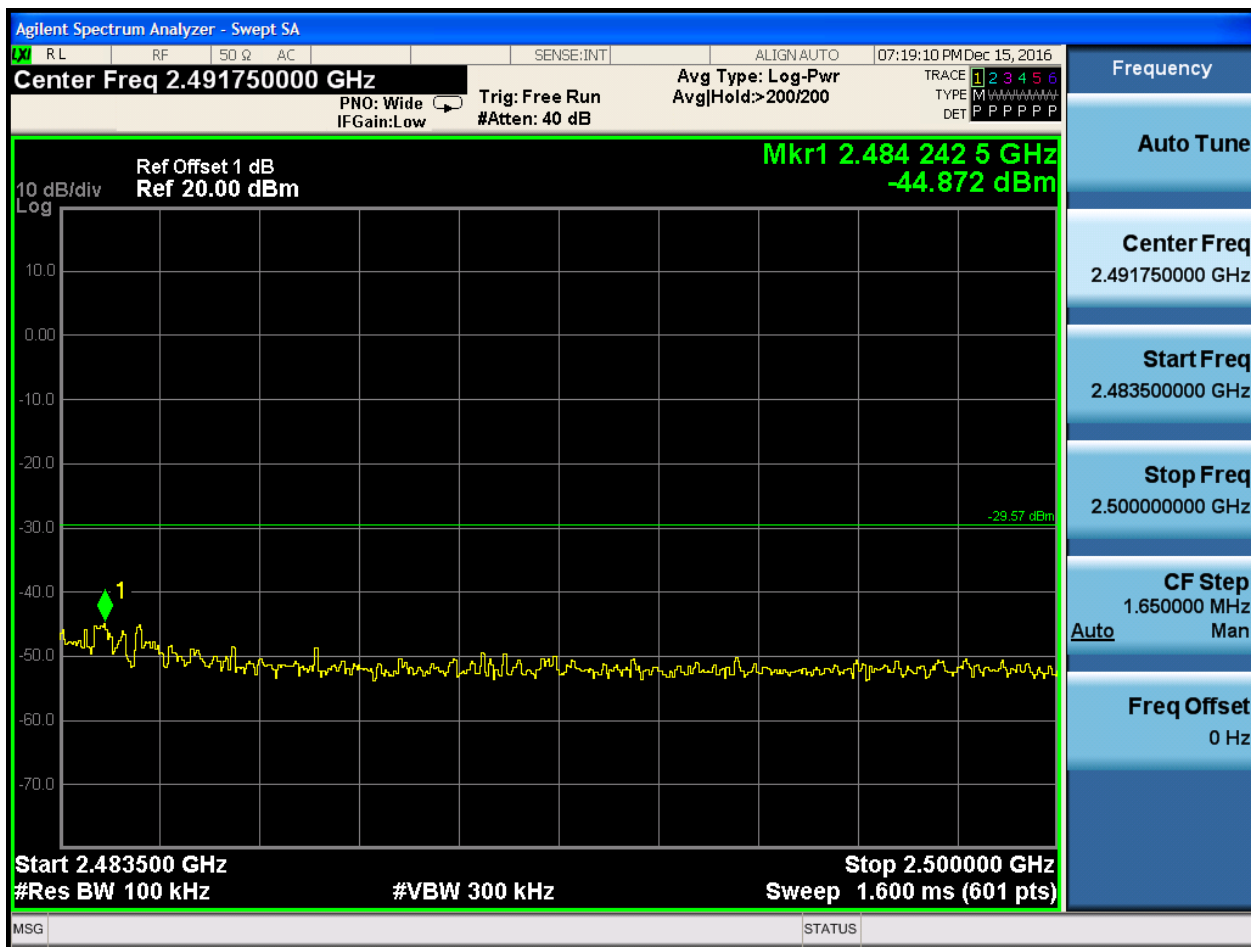
Auto

Freq Offset 0 Hz













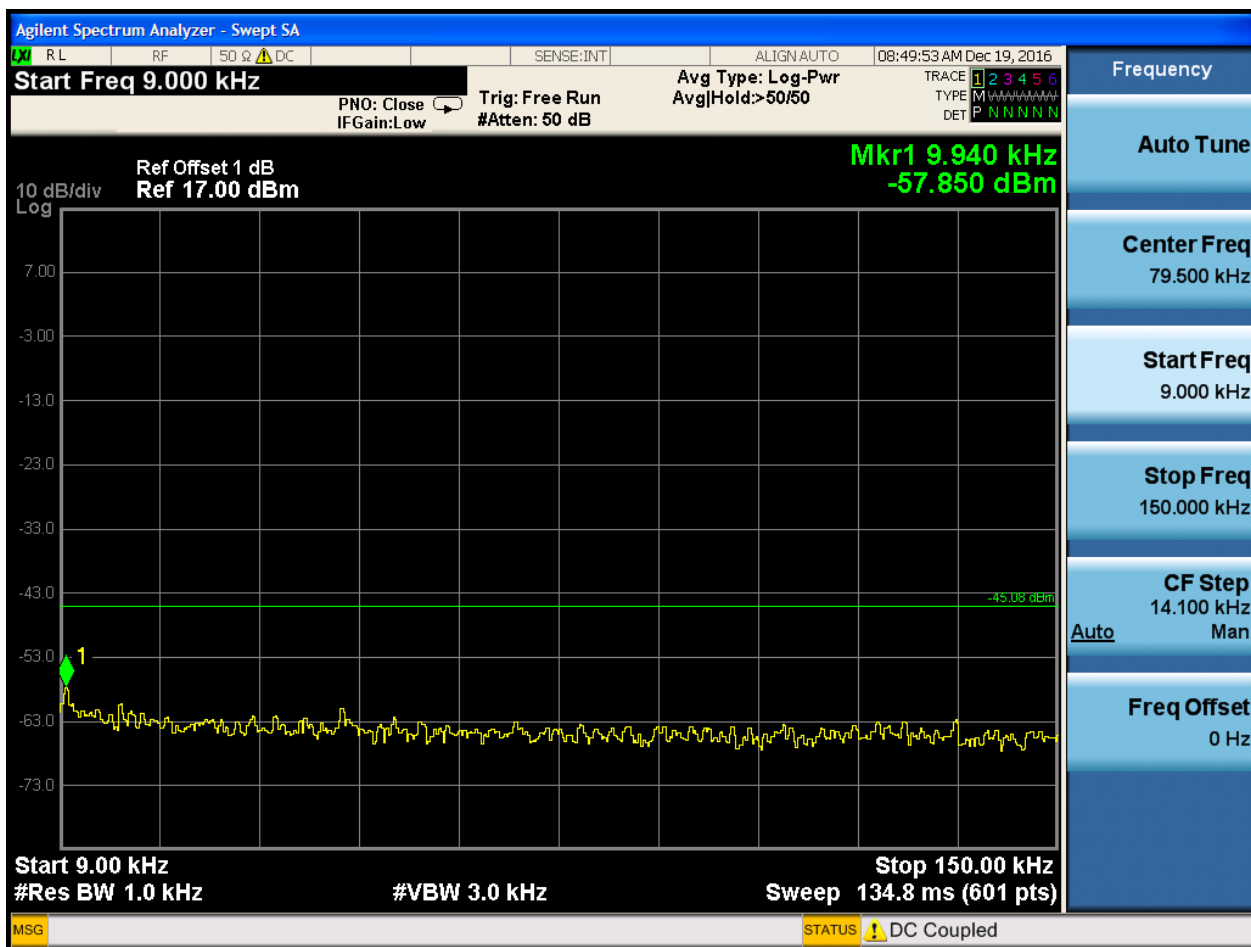
2.25 11G_L@Ant 1

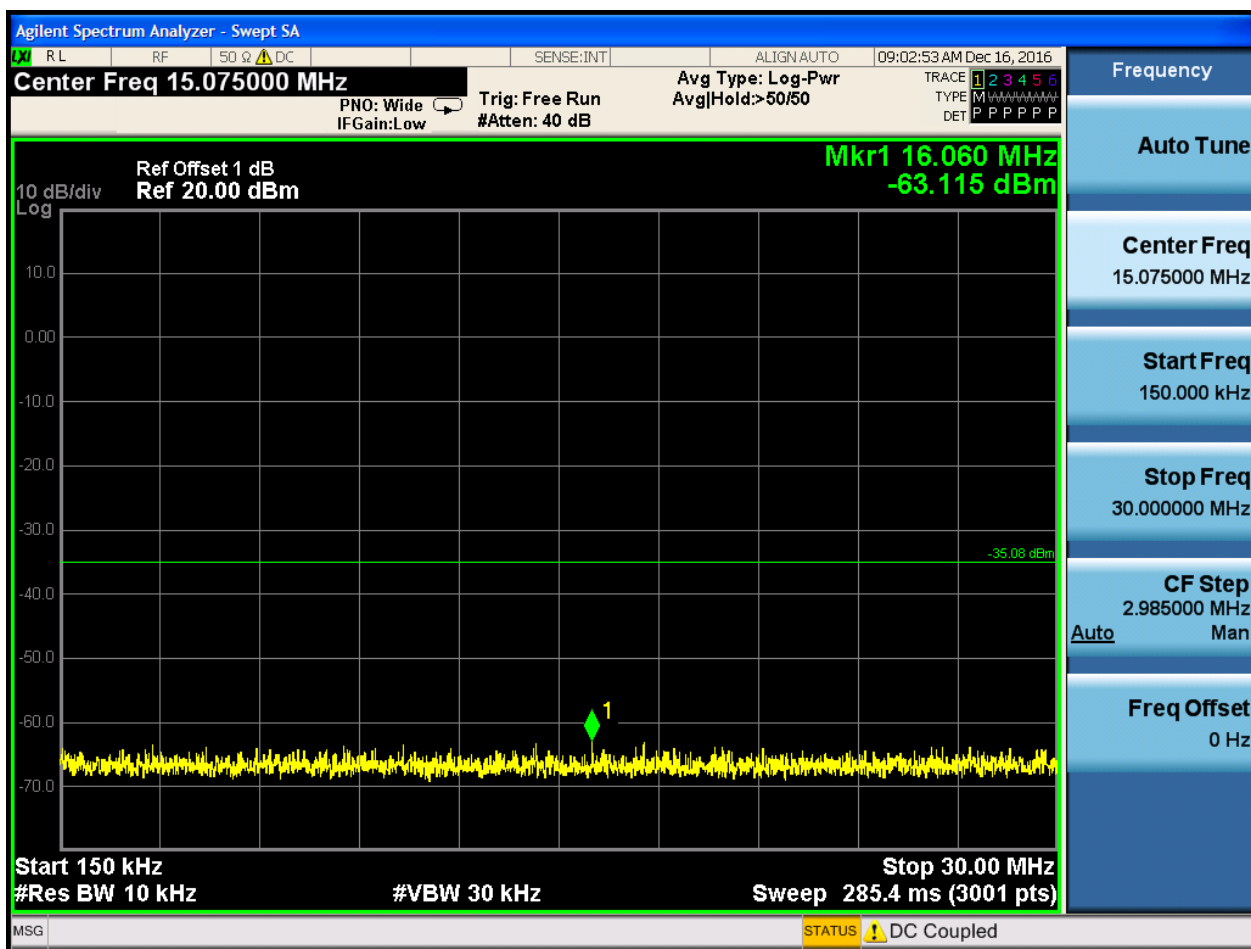
Pref:

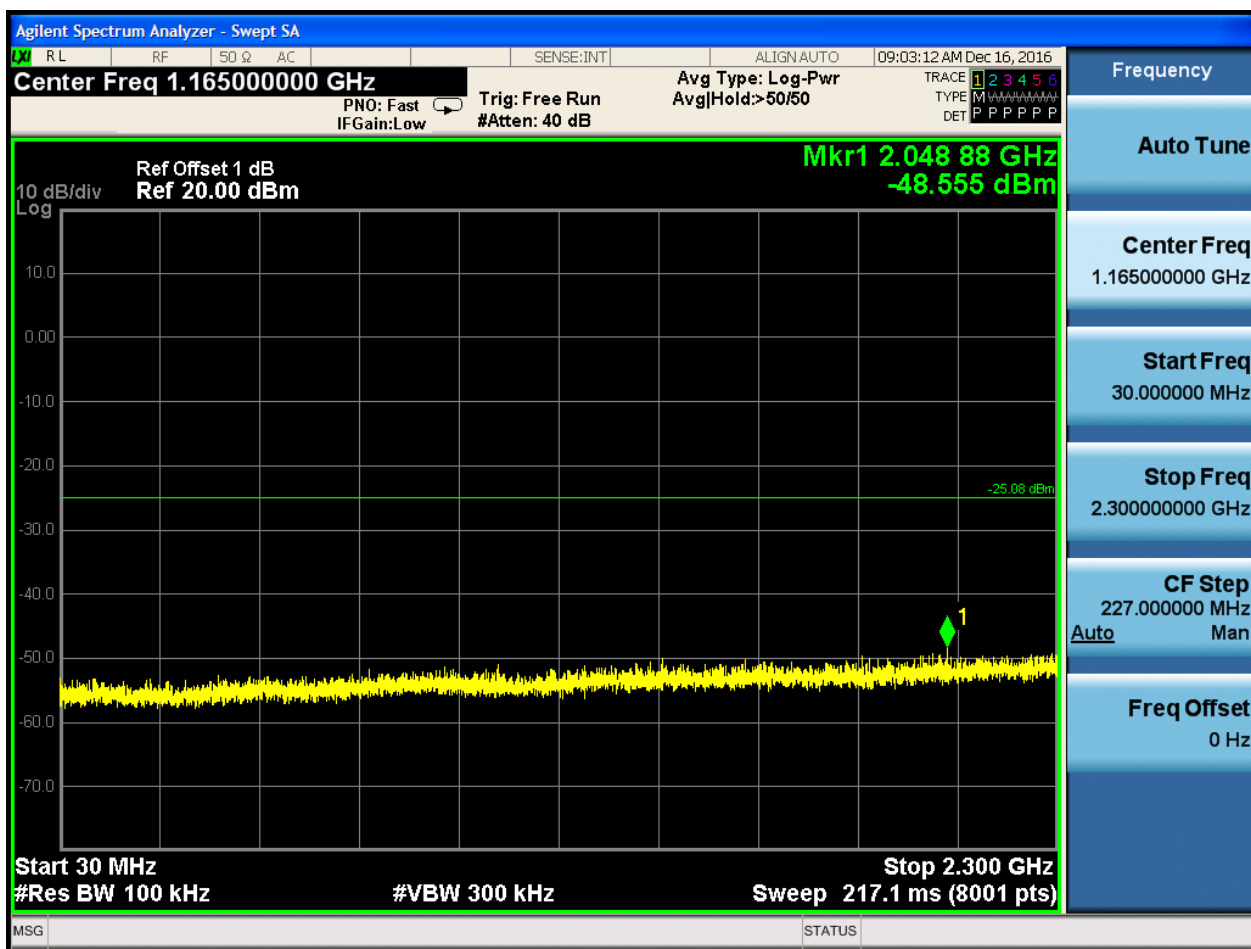


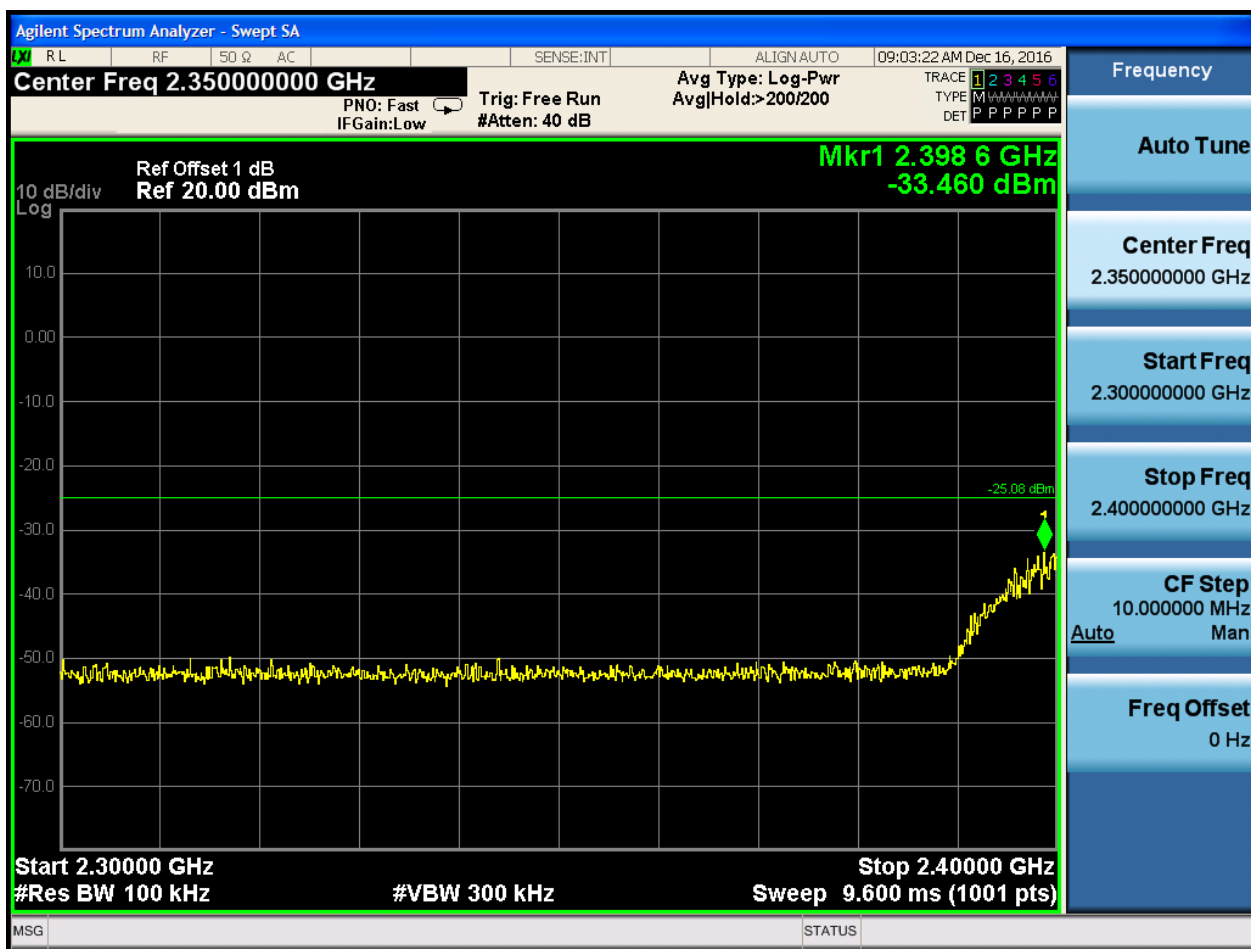


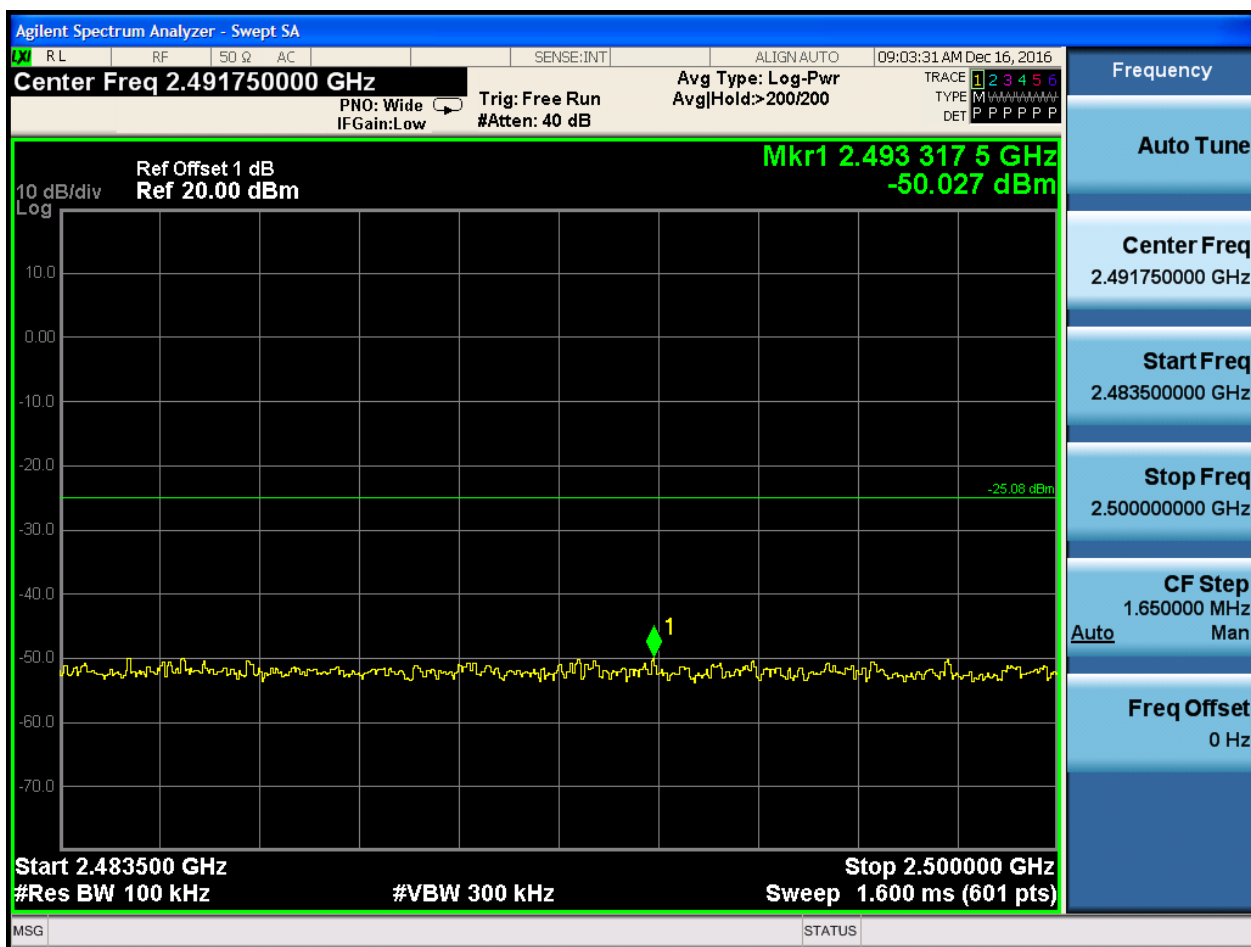
Puw:









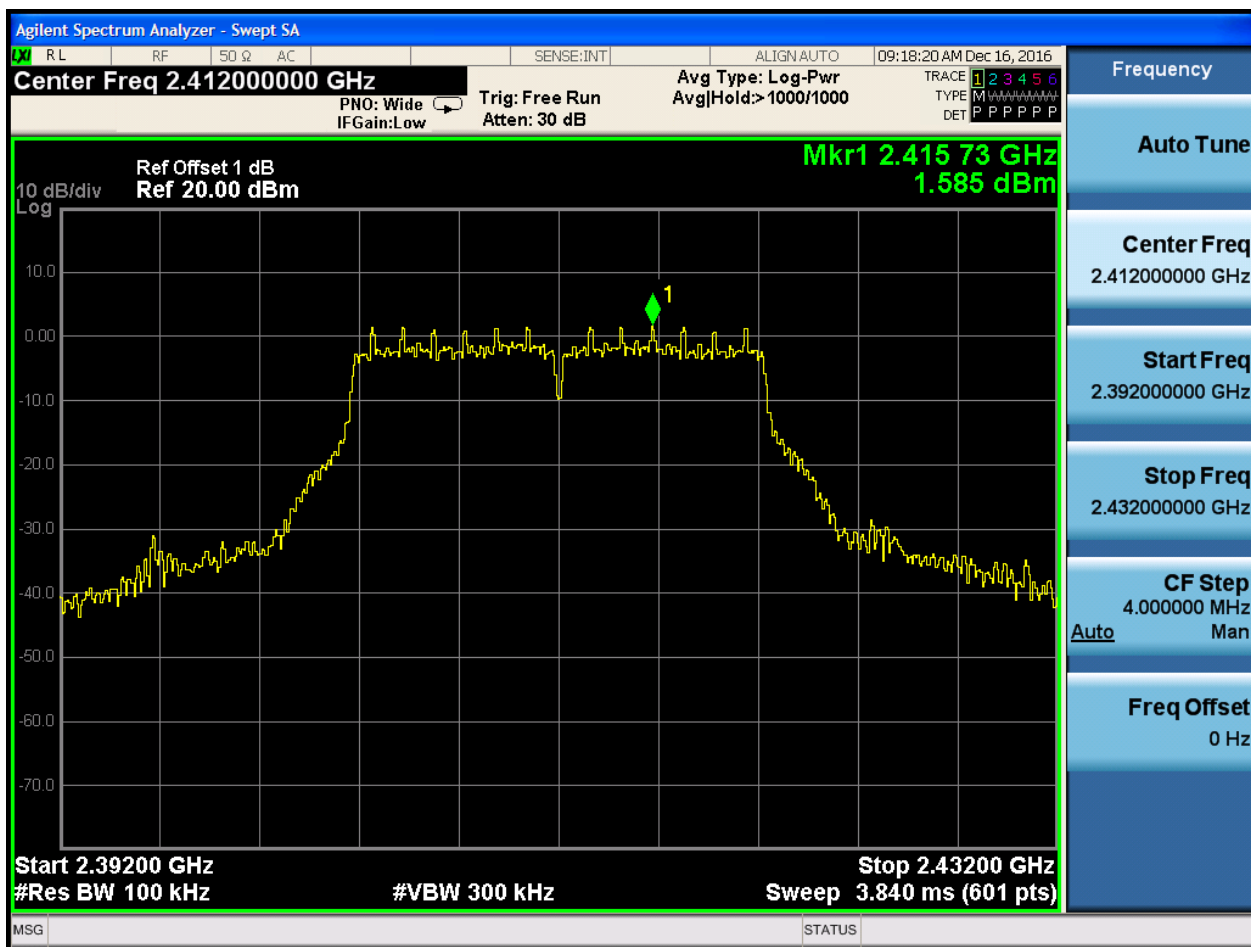






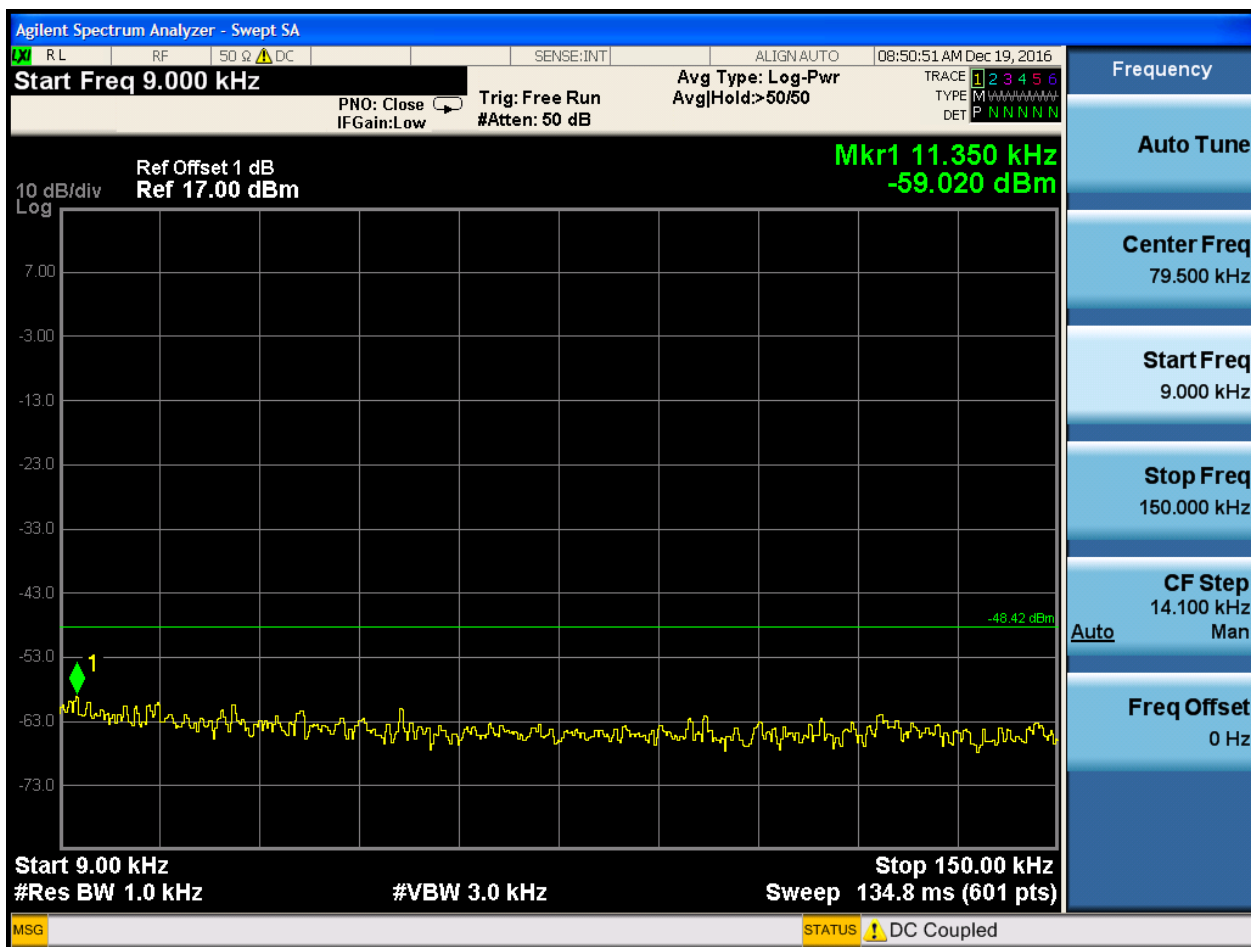
2.26 11G_L@Ant 2

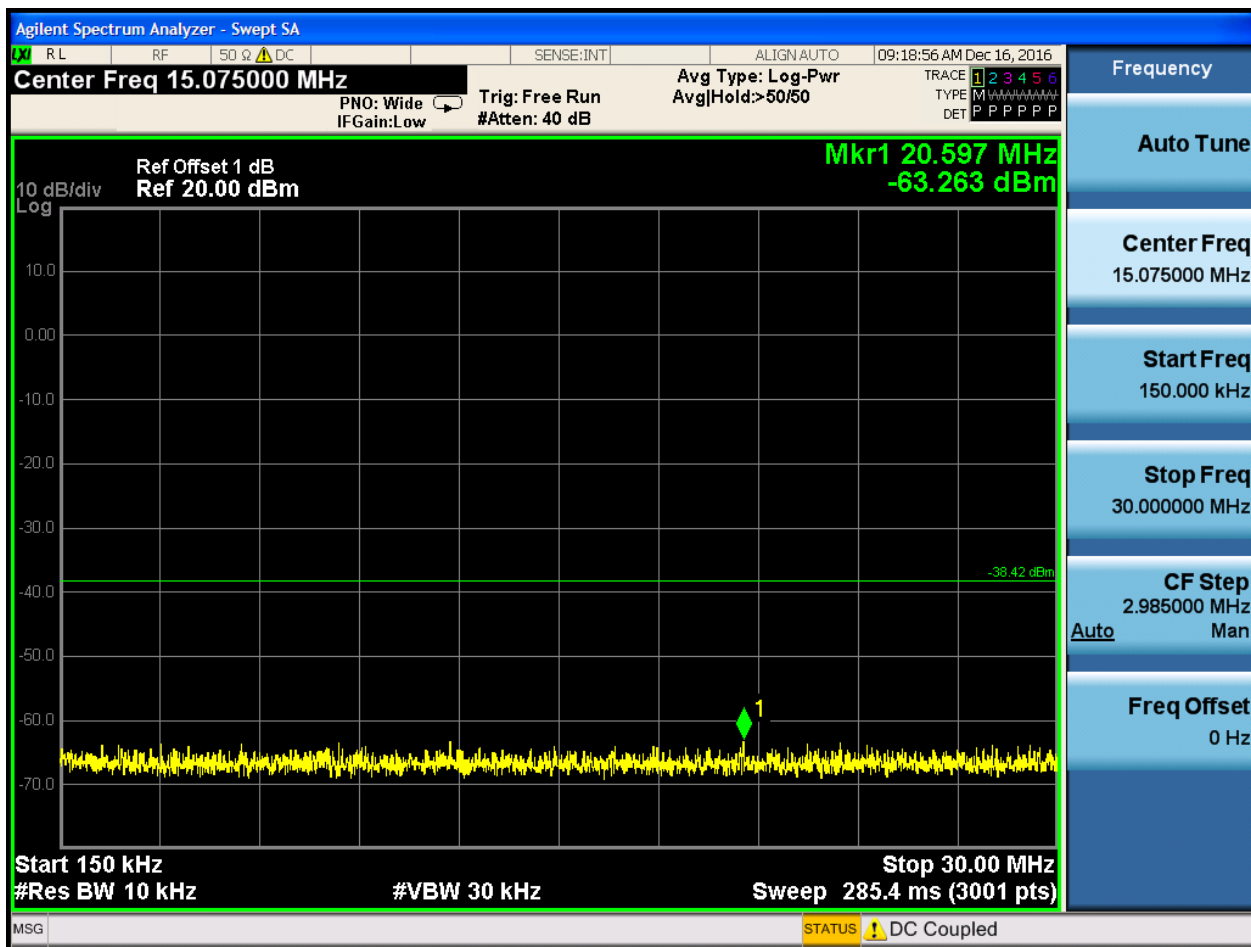
Pref:

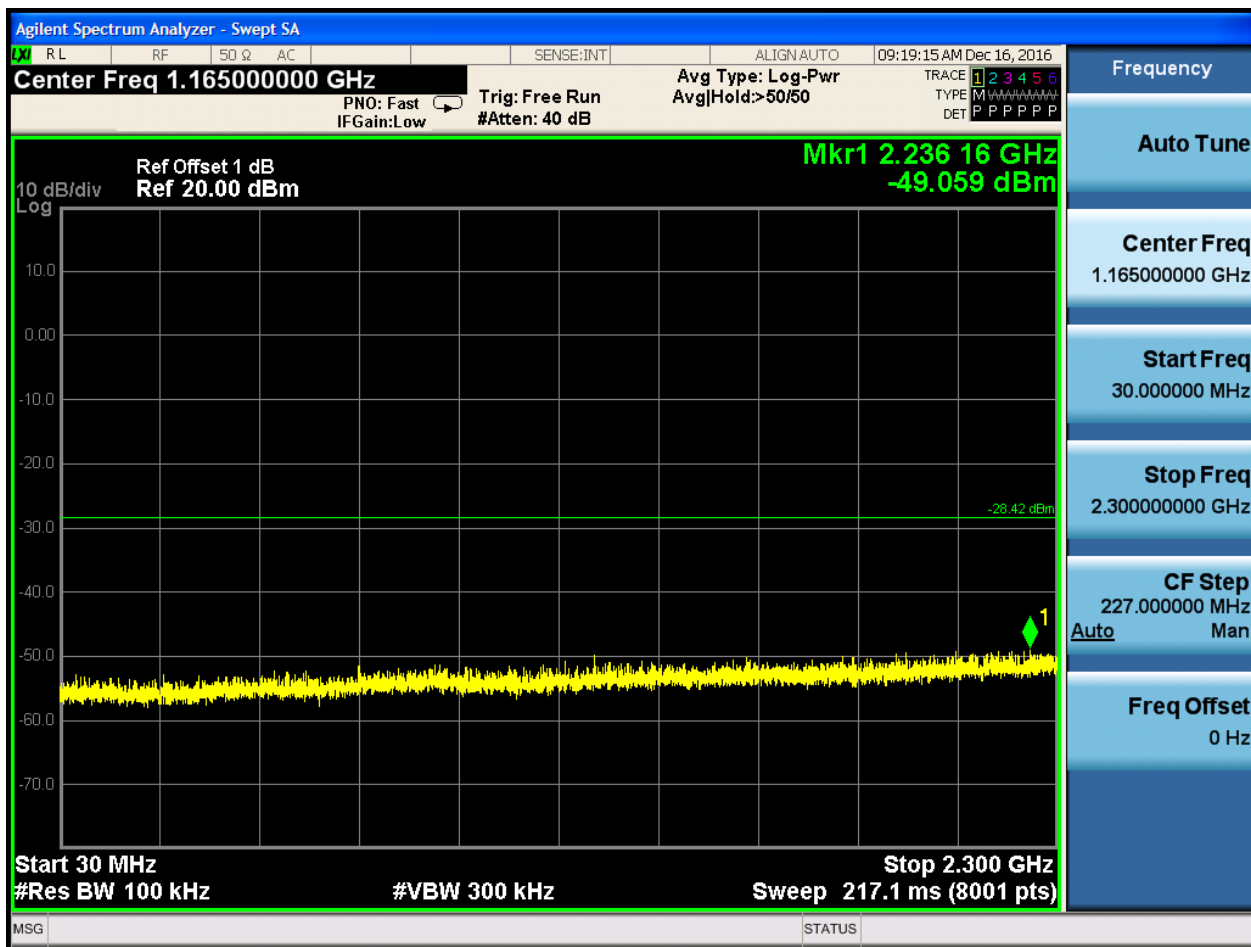


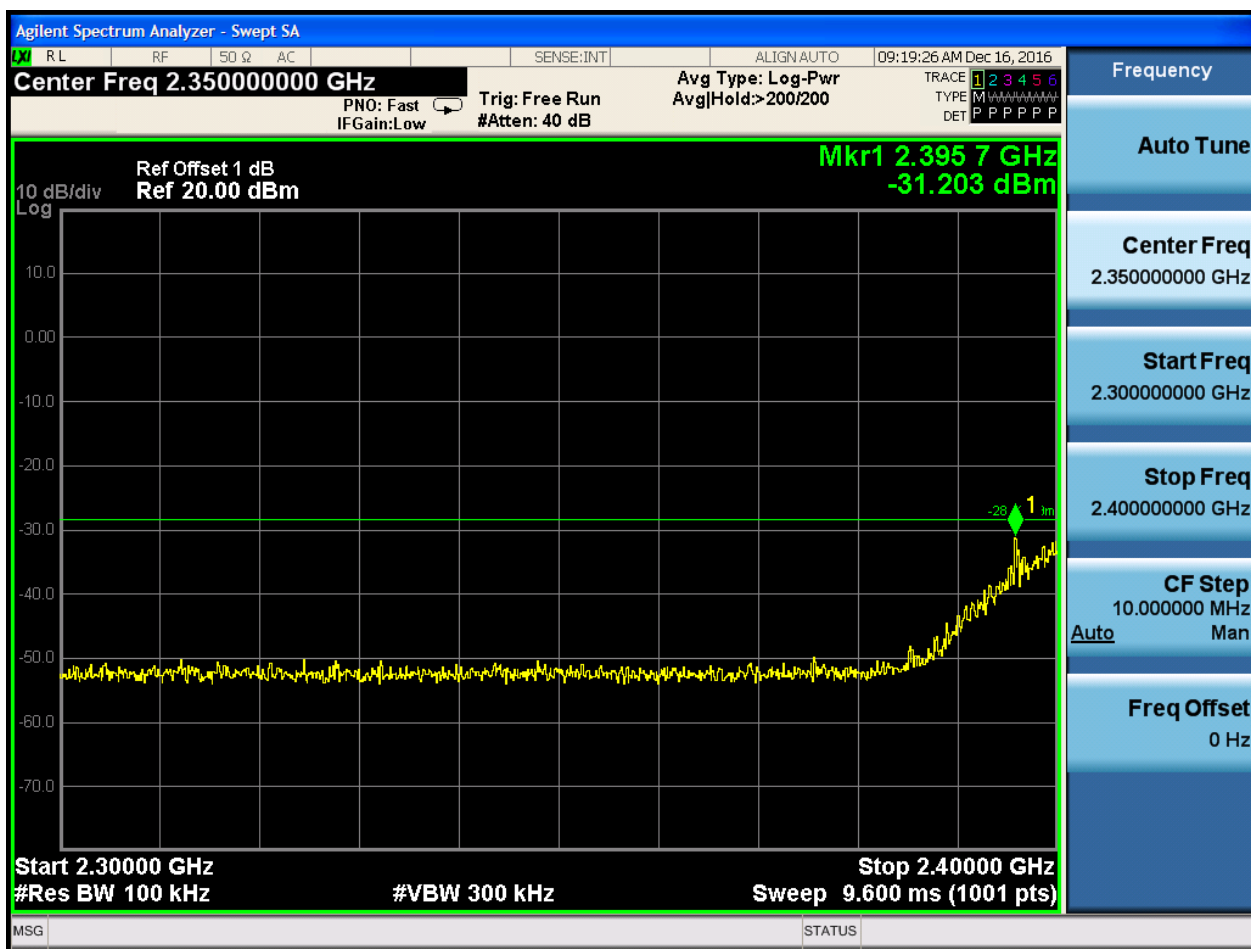


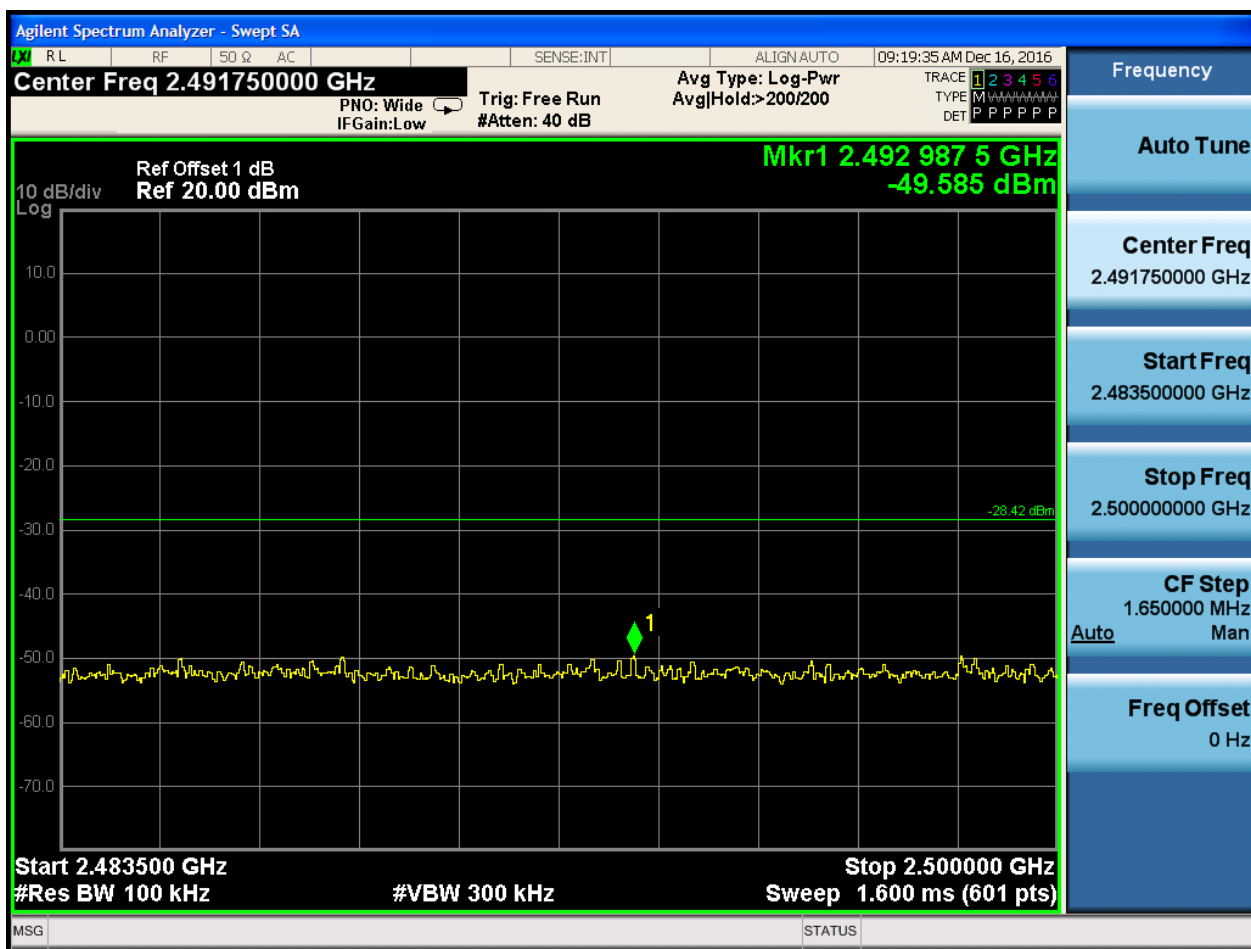
Puw:









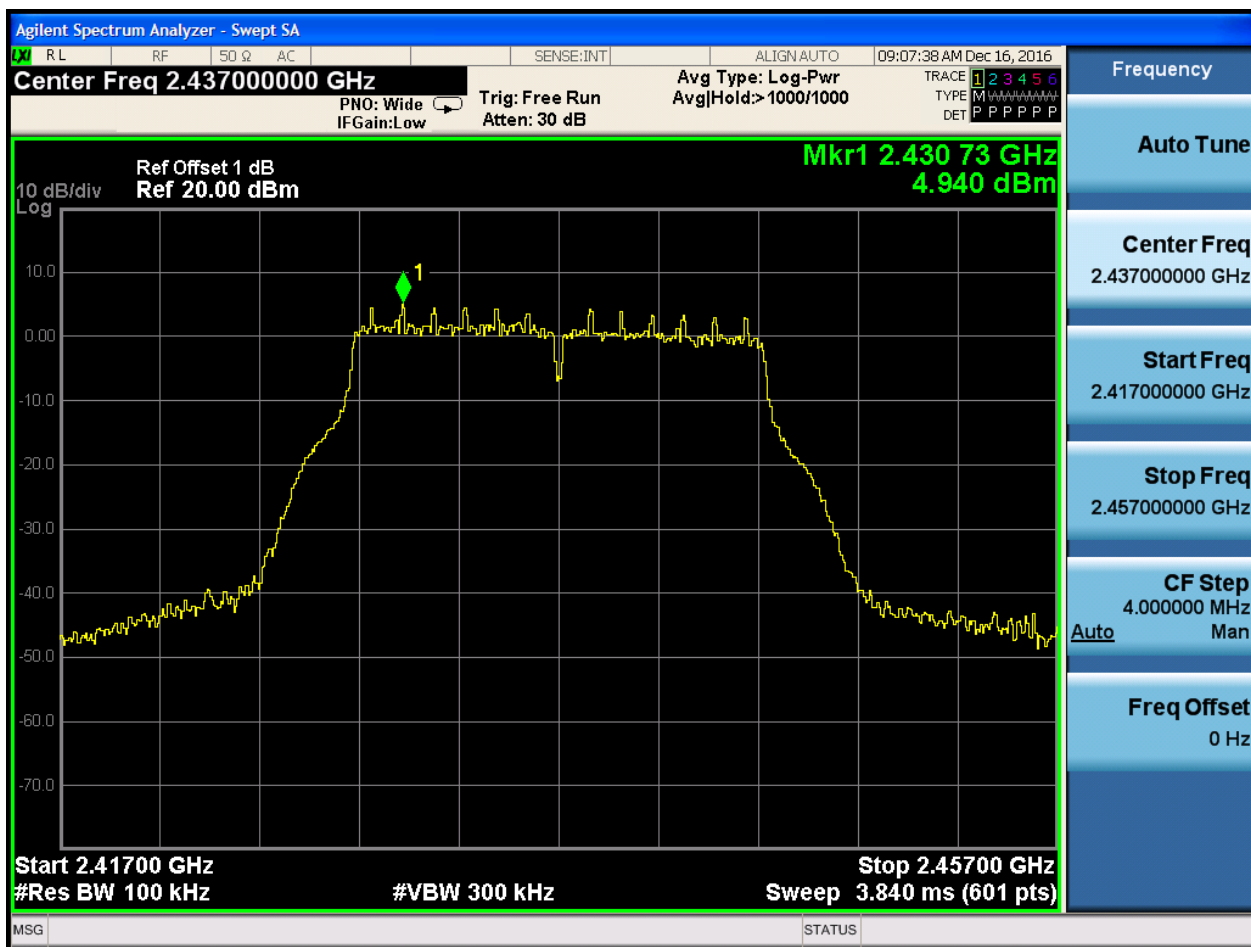






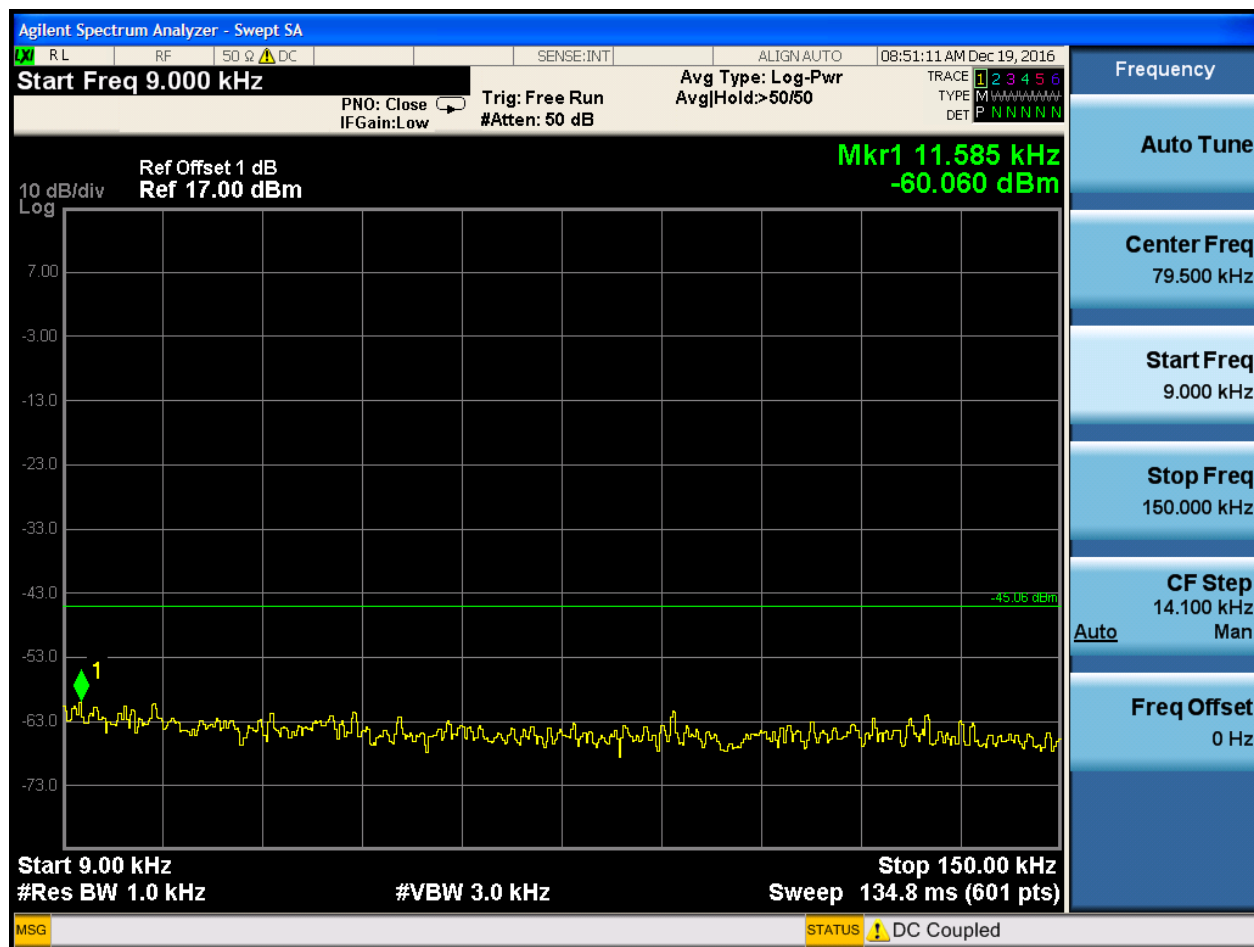
2.27 11G_M@Ant 1

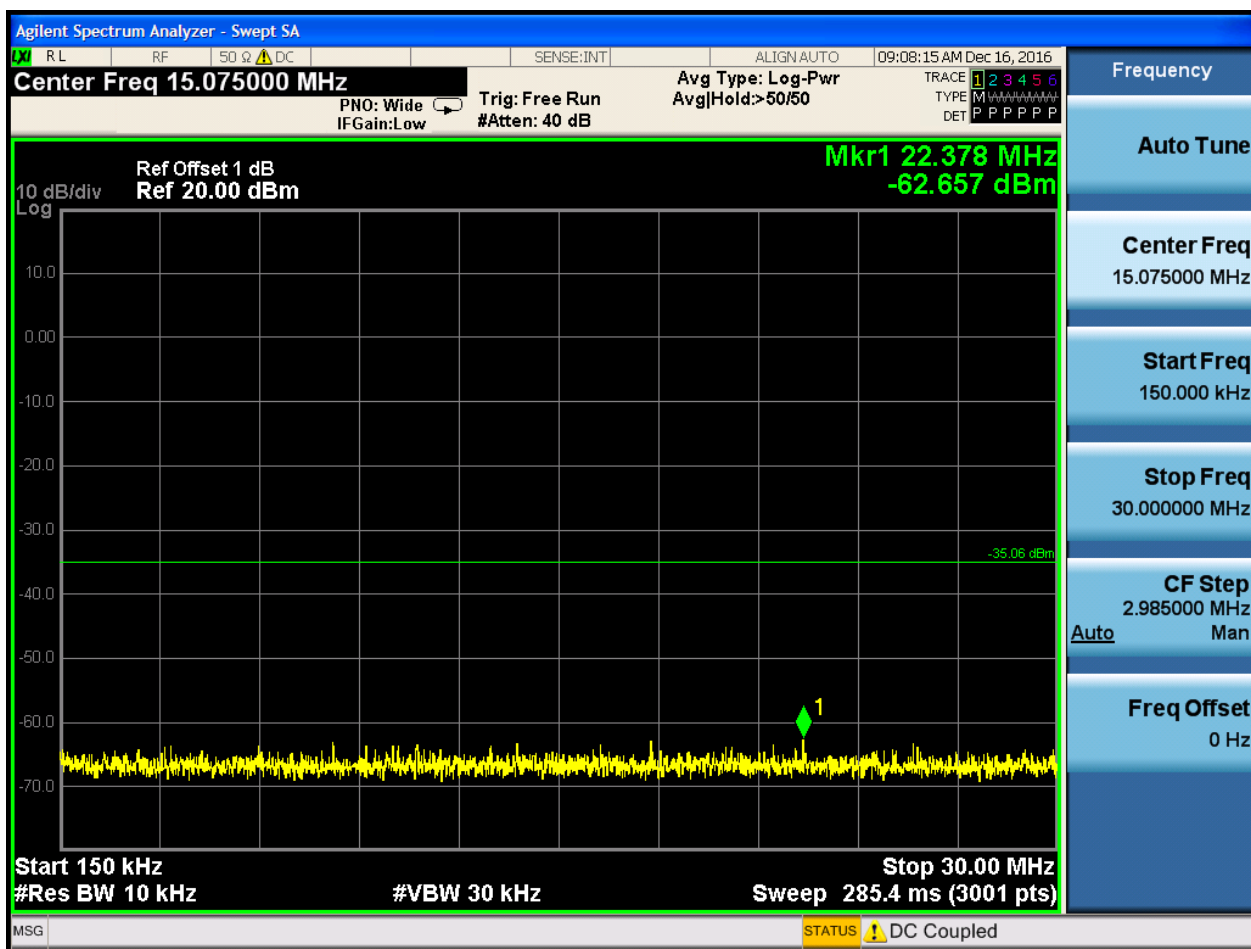
Pref:

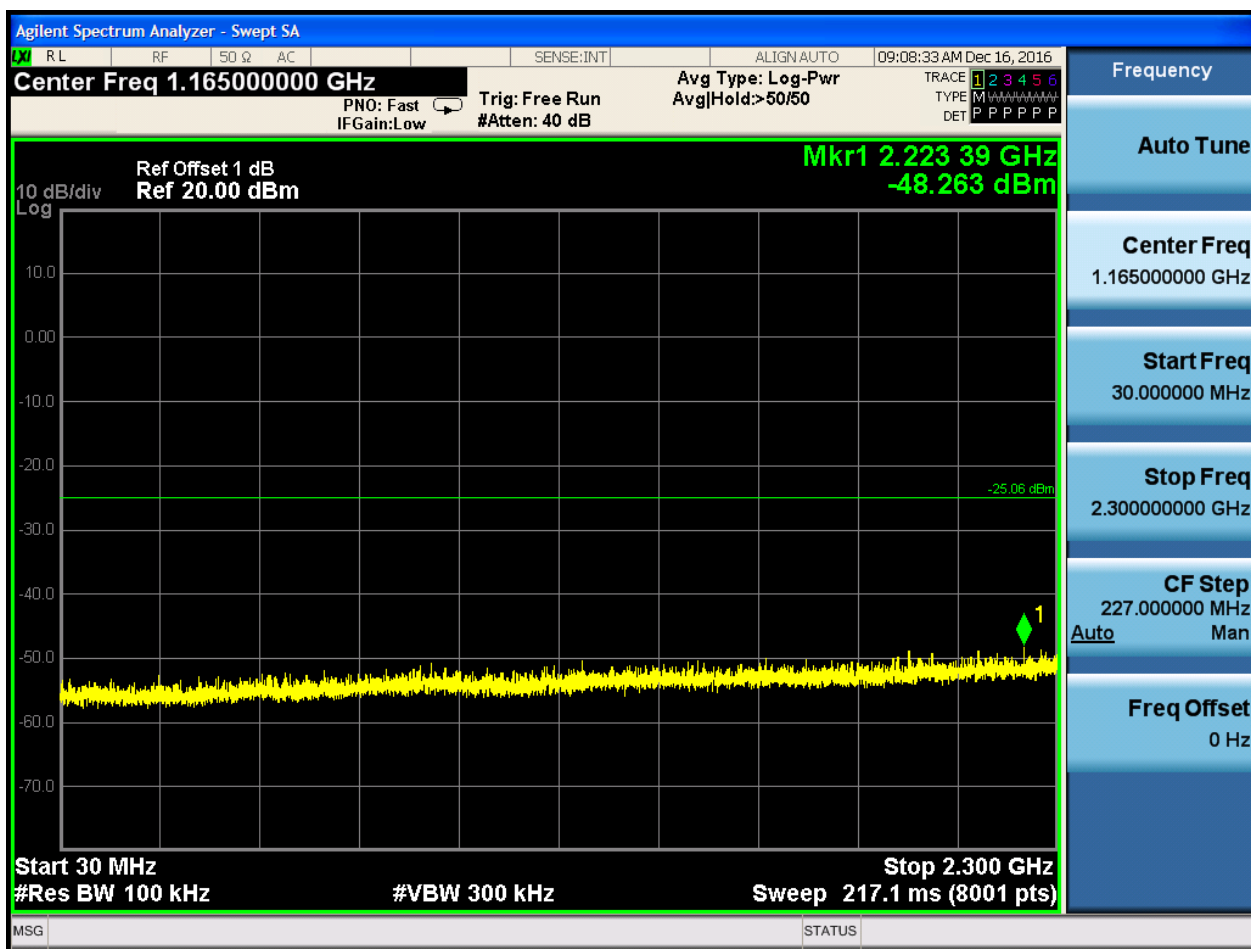


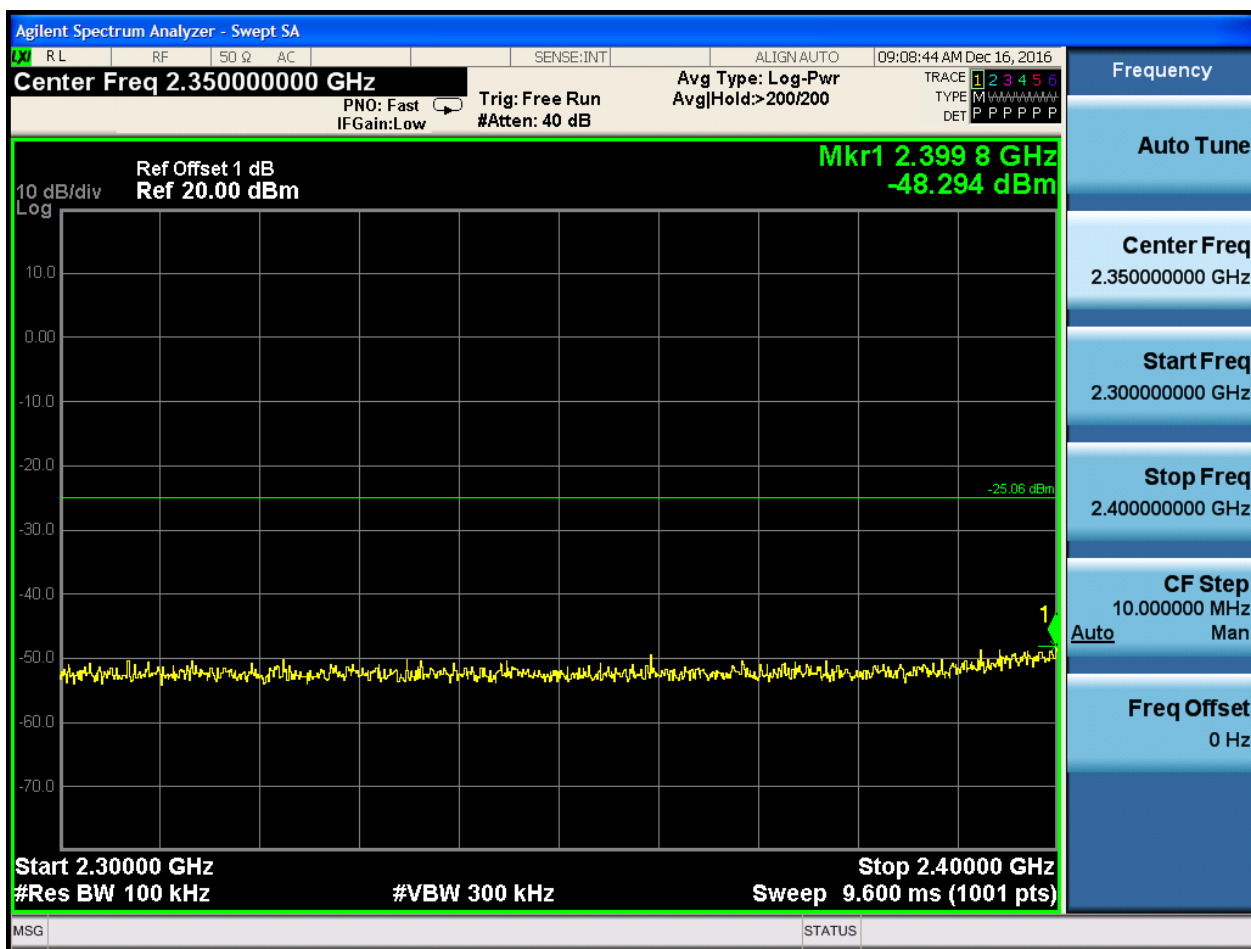


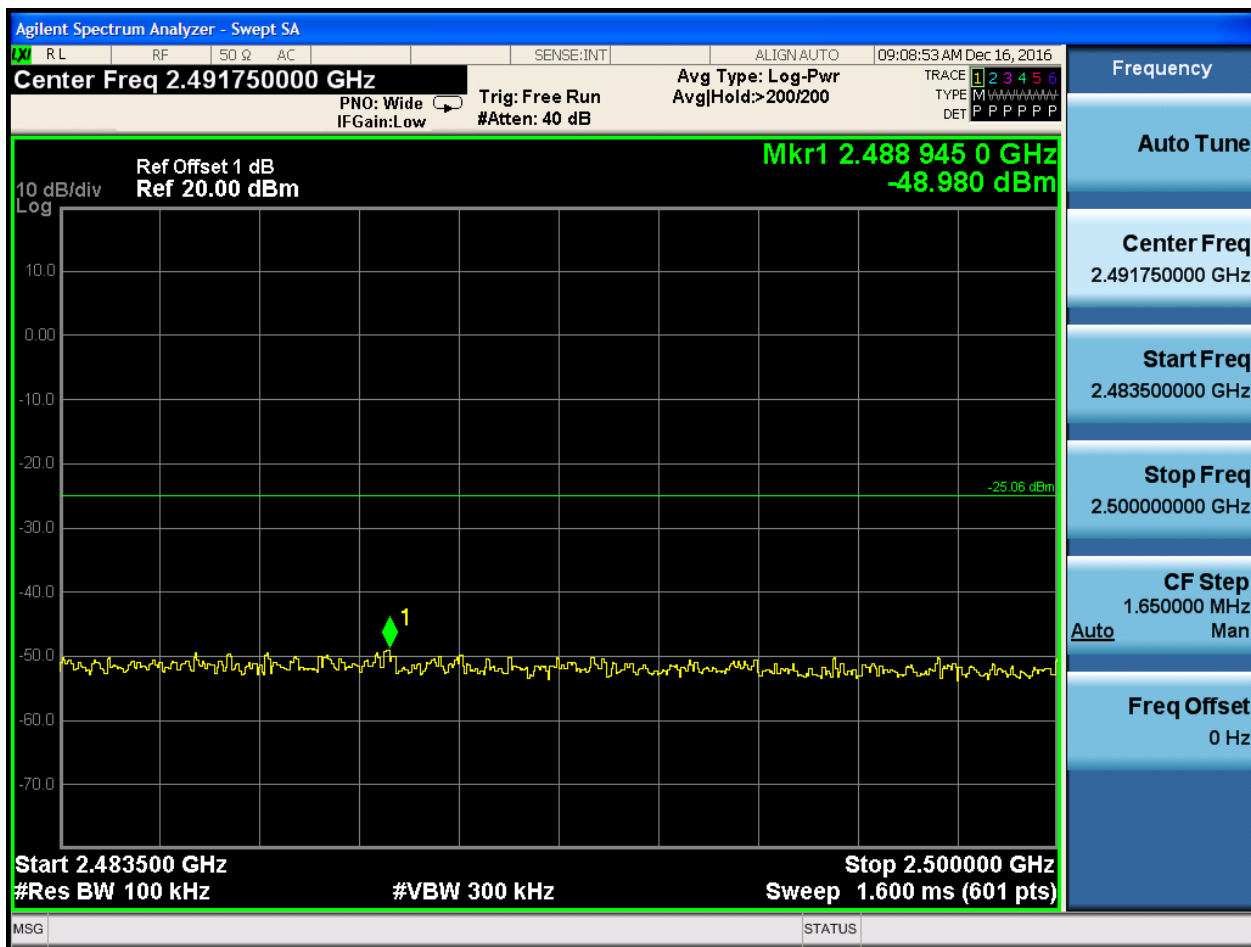
Puw:









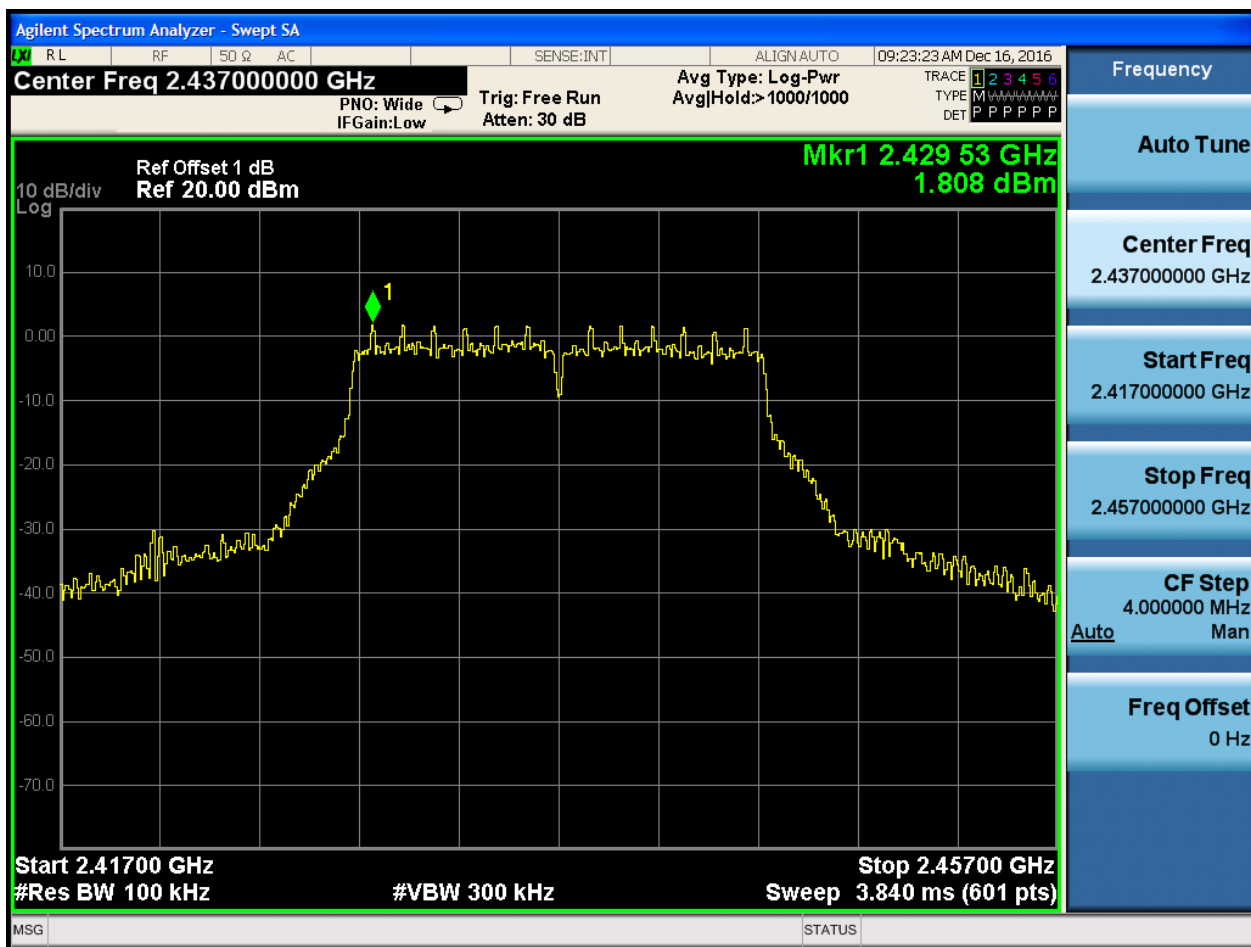






2.28 11G_M@Ant 2

Pref:





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN AUTO 08:51:29 AM Dec 19, 2016

Start Freq 9.000 kHz

PN0: Close Trig: Free Run Avg Type: Log-Pwr AvgHold: >50/50

IFGain: Low #Atten: 50 dB

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

Ref Offset 1 dB
Ref 17.00 dBm

Mkr1 13.465 kHz
-60.240 dBm

10 dB/div
Log

7.00
-3.00
-13.0
-23.0
-33.0
-43.0
-53.0
-63.0
-73.0

-48.19 dBm

1

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

Frequency

Auto Tune

Center Freq
79.500 kHz

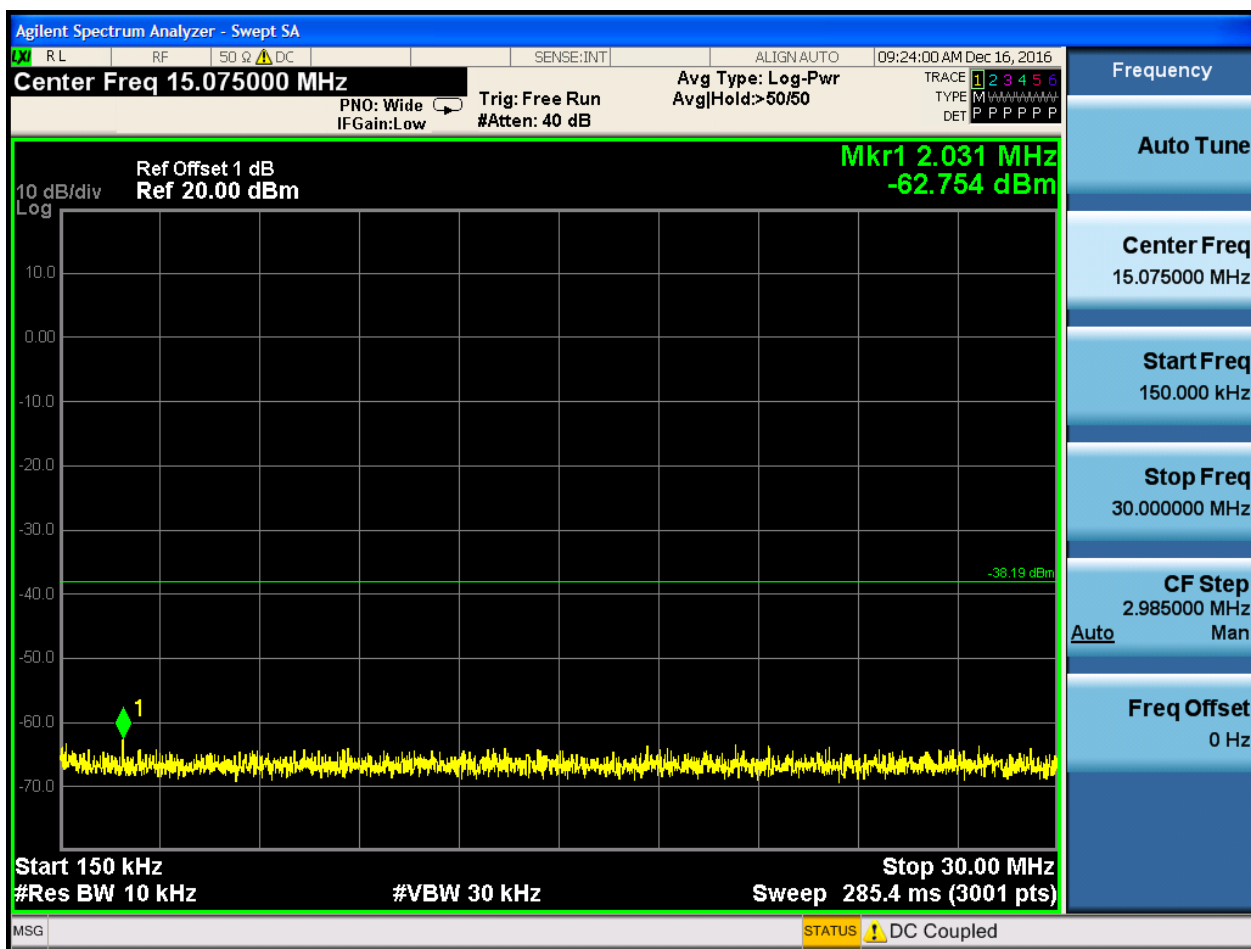
Start Freq
9.000 kHz

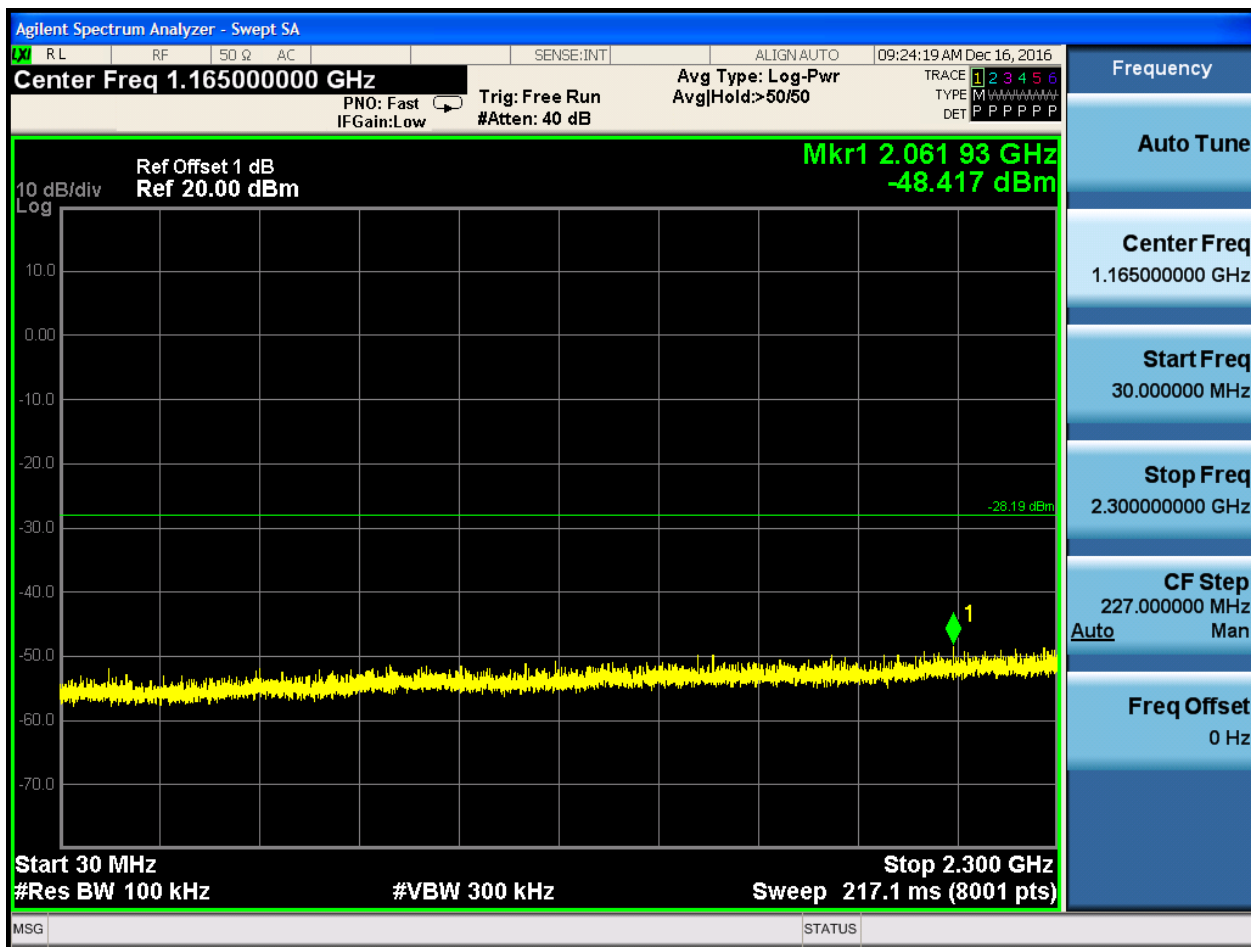
Stop Freq
150.000 kHz

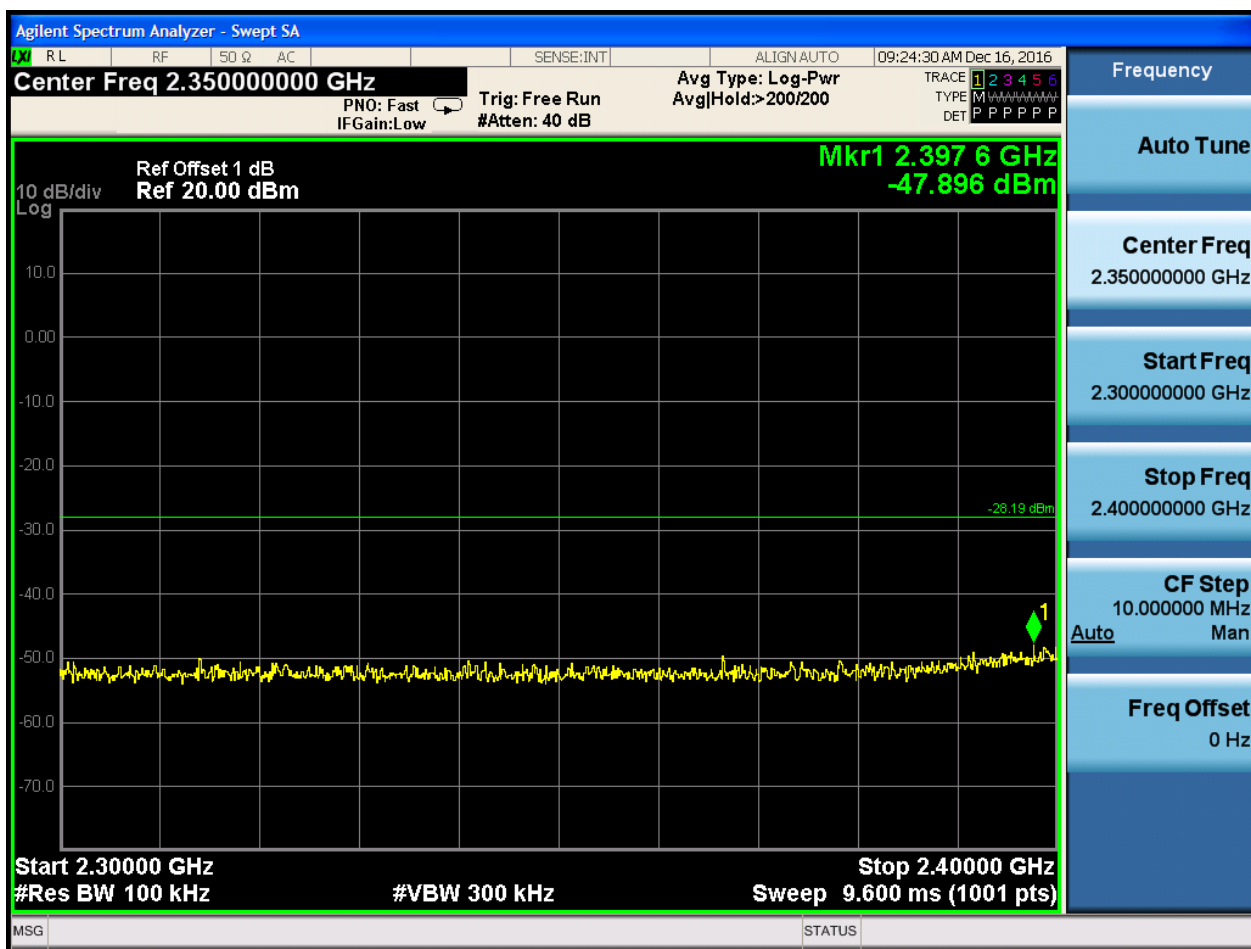
CF Step
14.100 kHz
Man

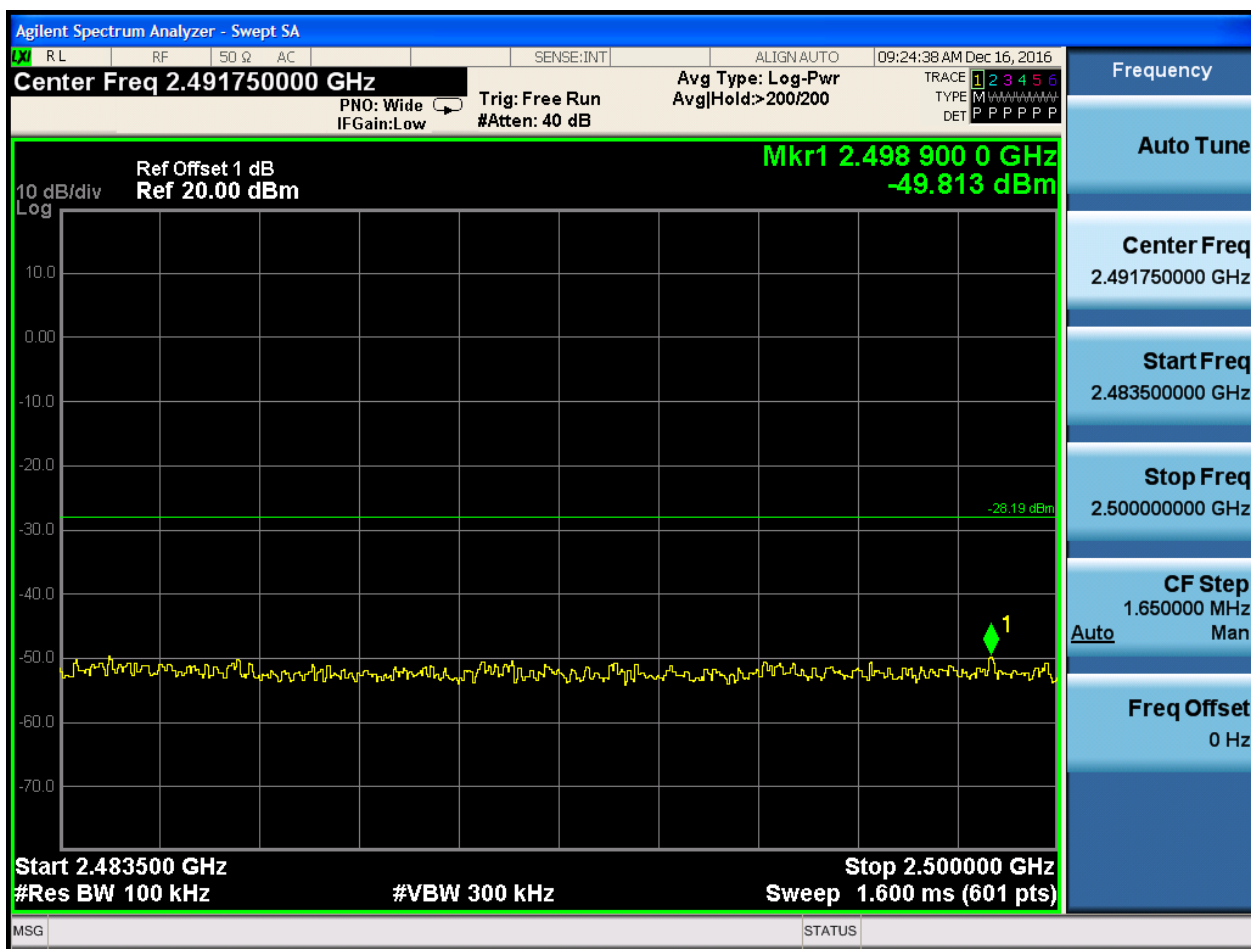
Auto

Freq Offset
0 Hz







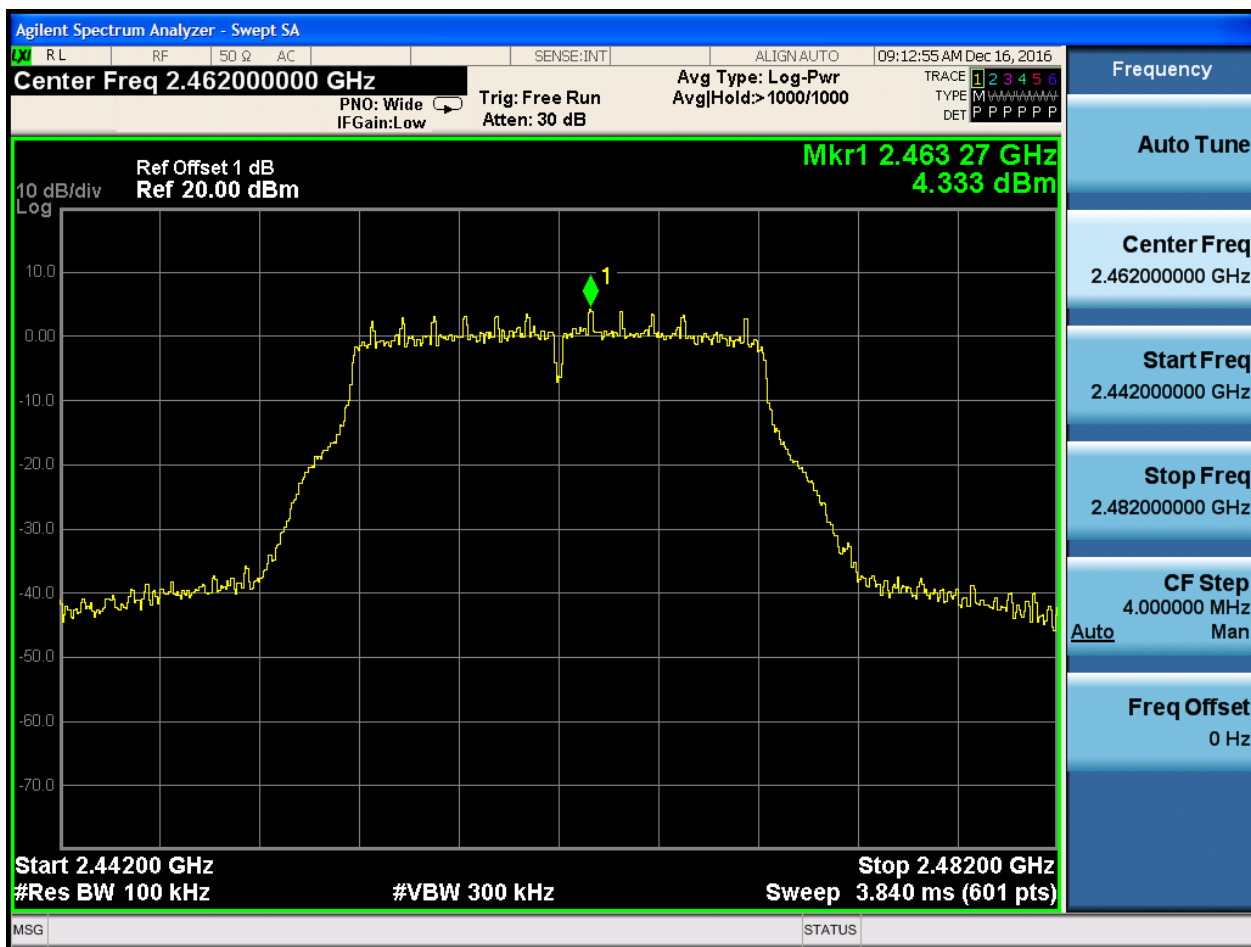






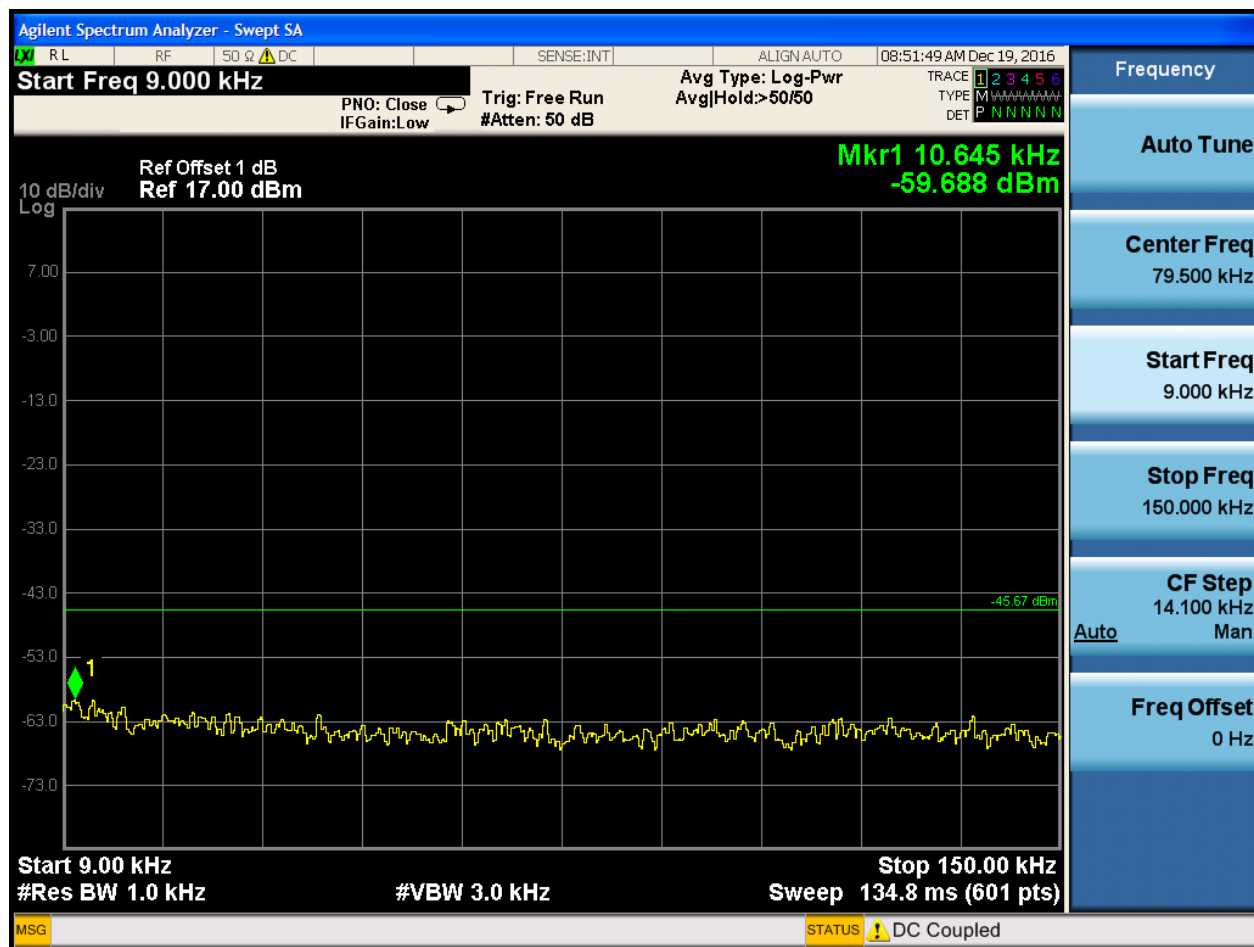
2.29 11G_H@Ant 1

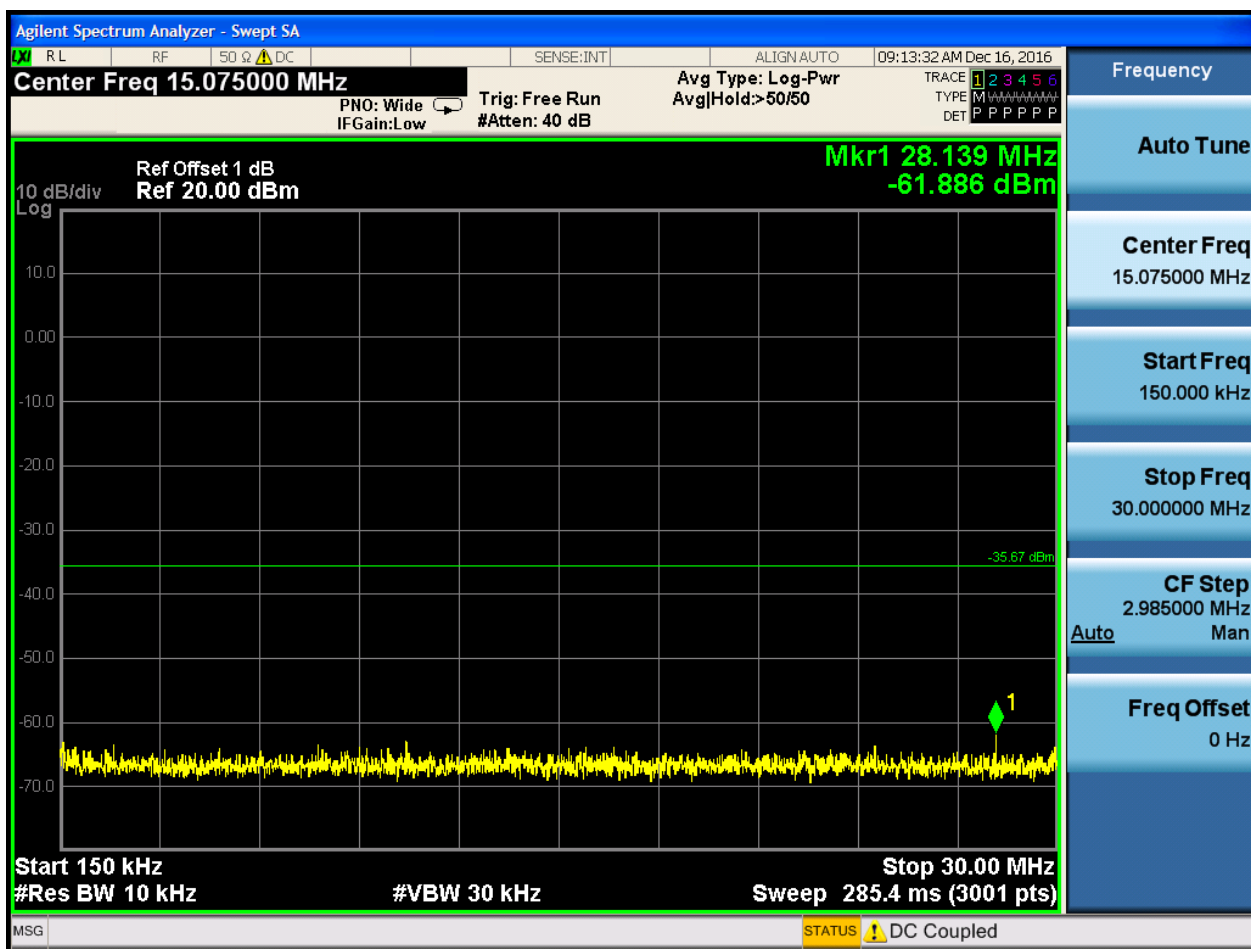
Pref:

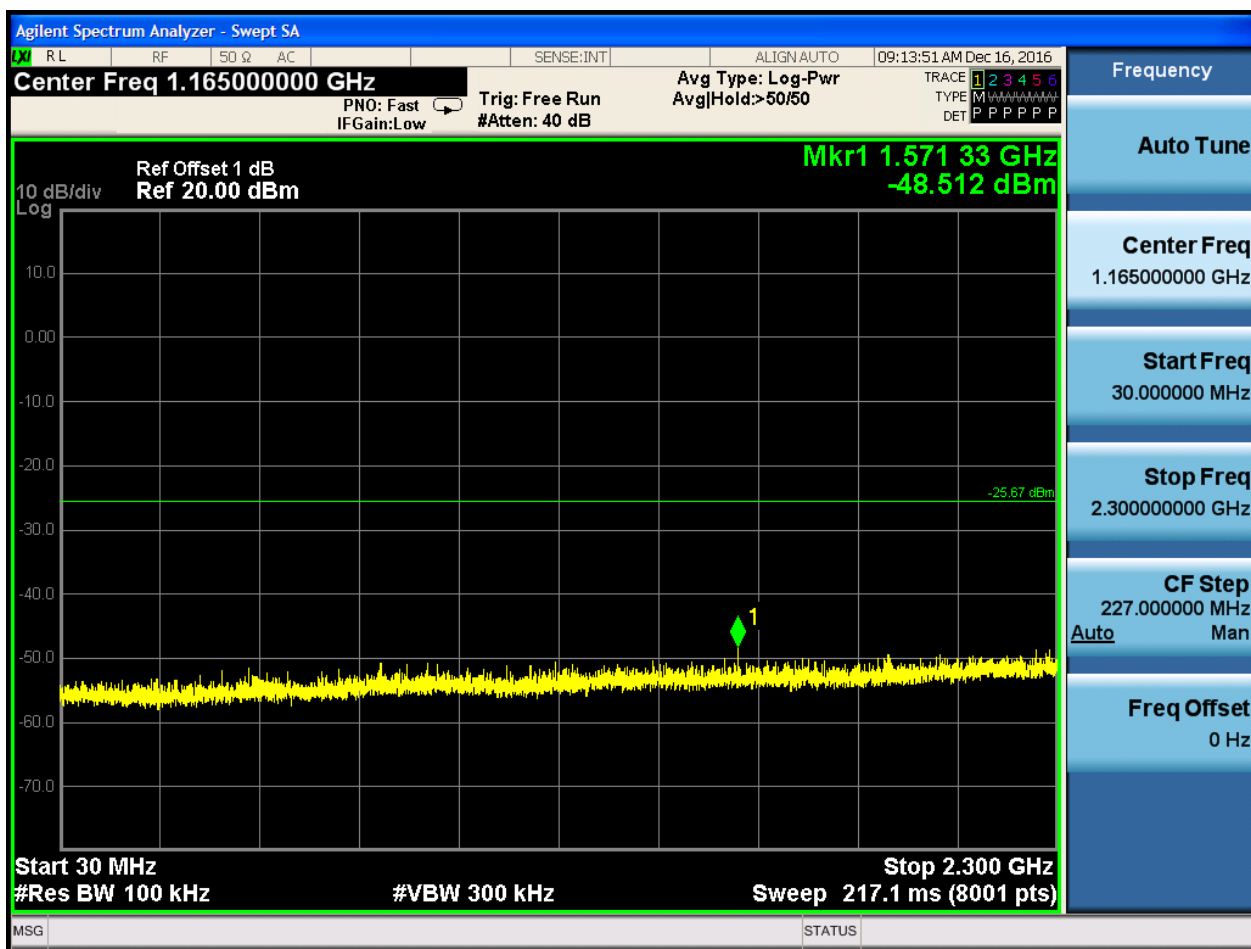


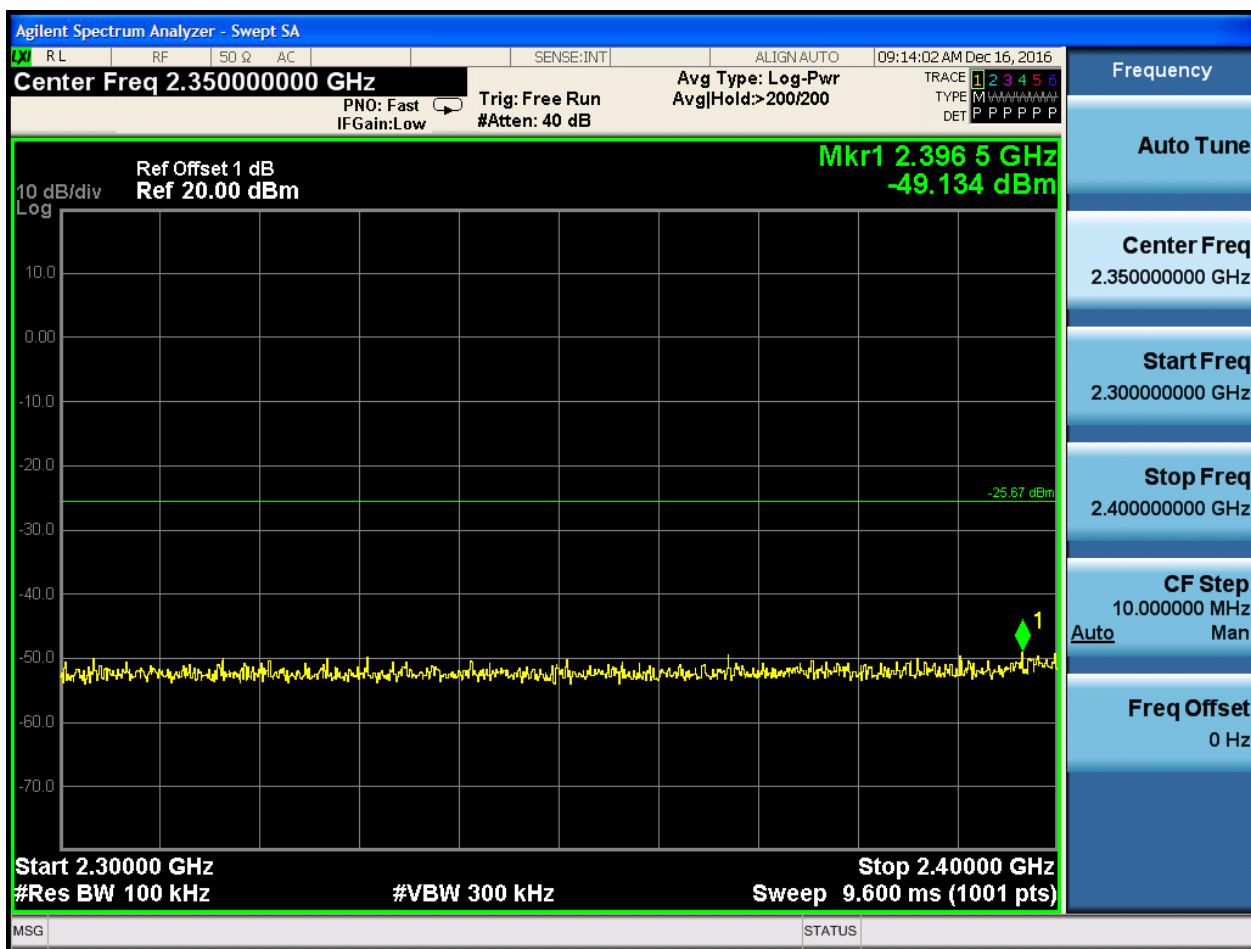


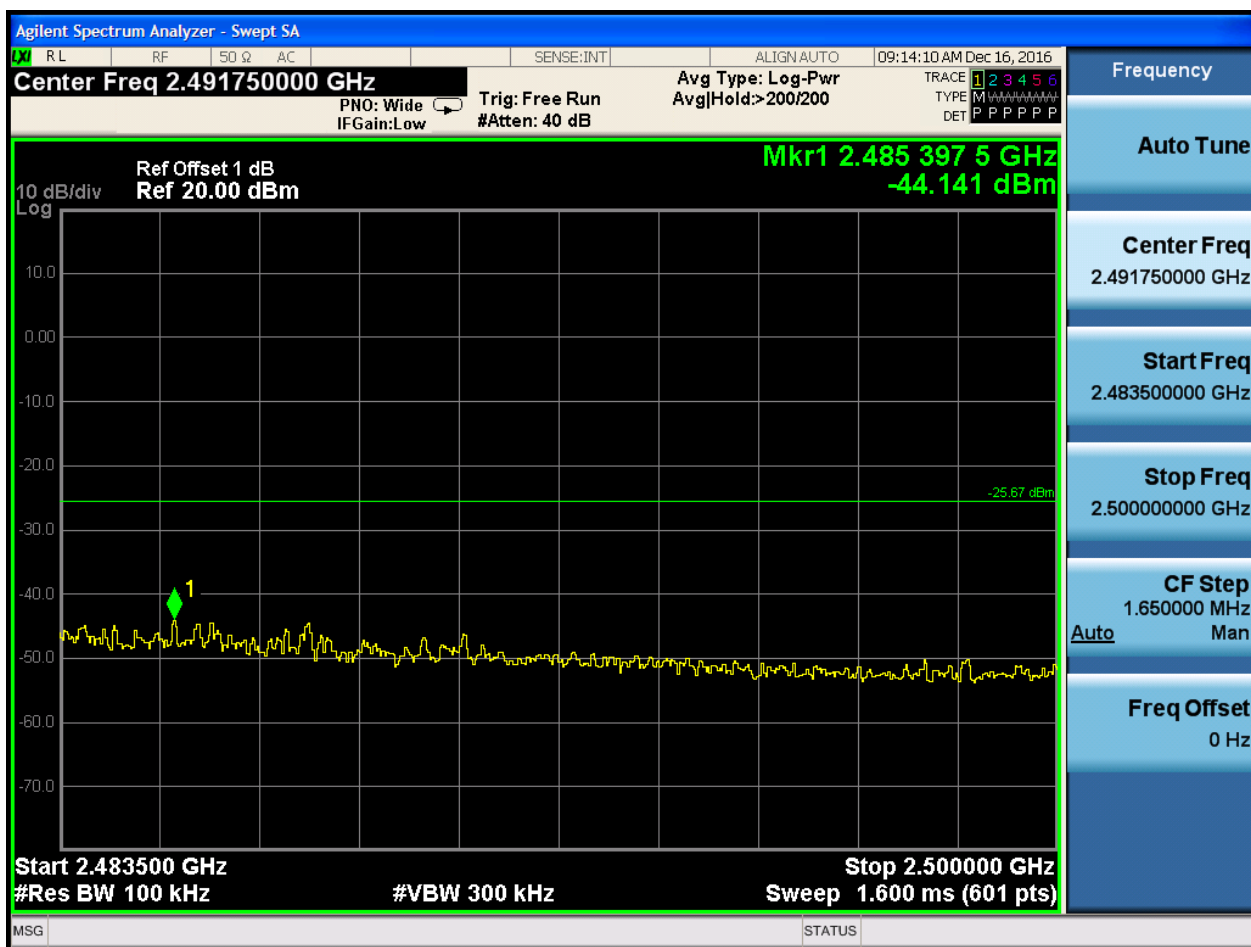
Puw:

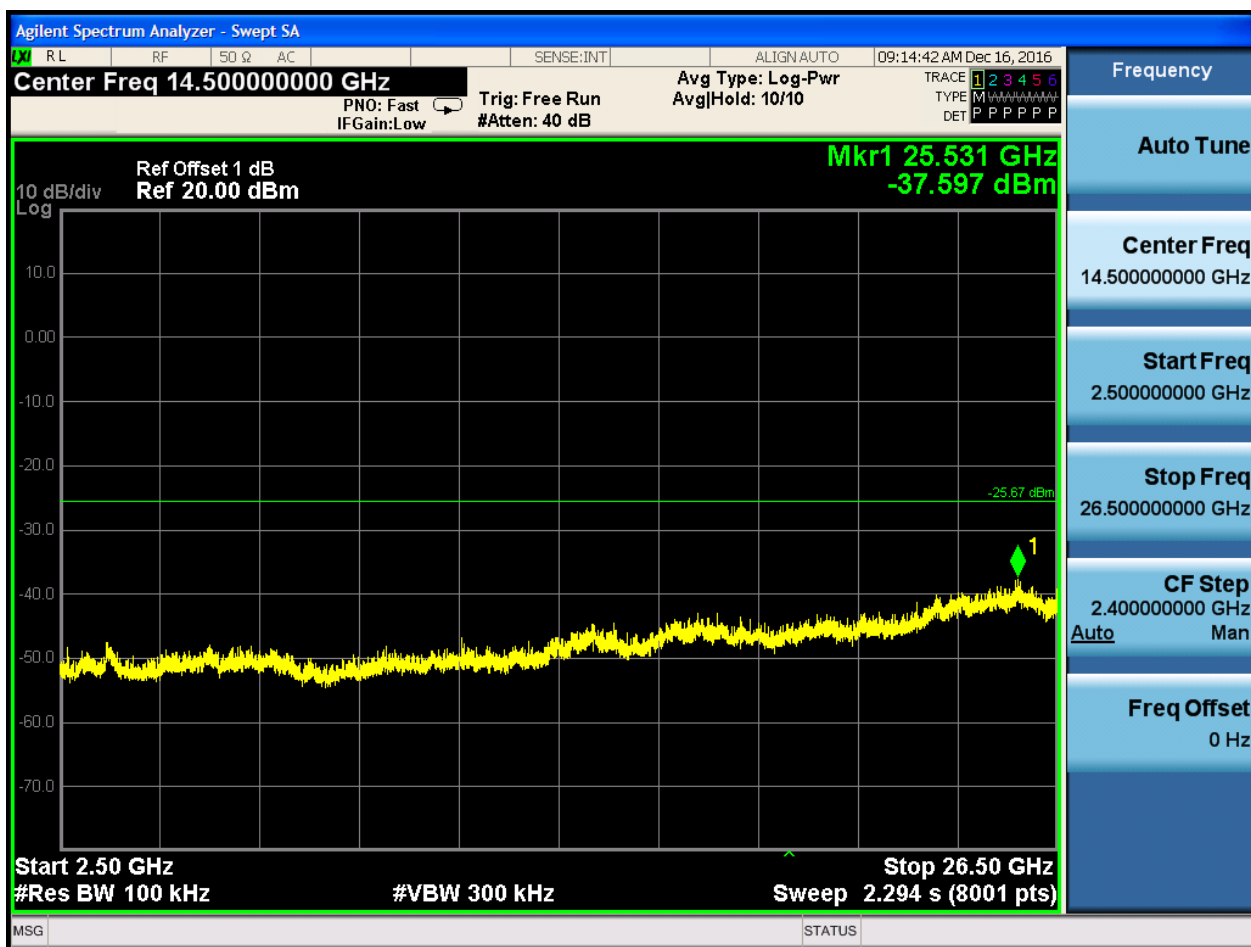














2.30 11G_H@Ant 2

Pref:





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN AUTO 08:52:12 AM Dec 19, 2016

Start Freq 9.000 kHz Avg Type: Log-Pwr PNO: Close Trig: Free Run IFGain:Low #Atten: 50 dB

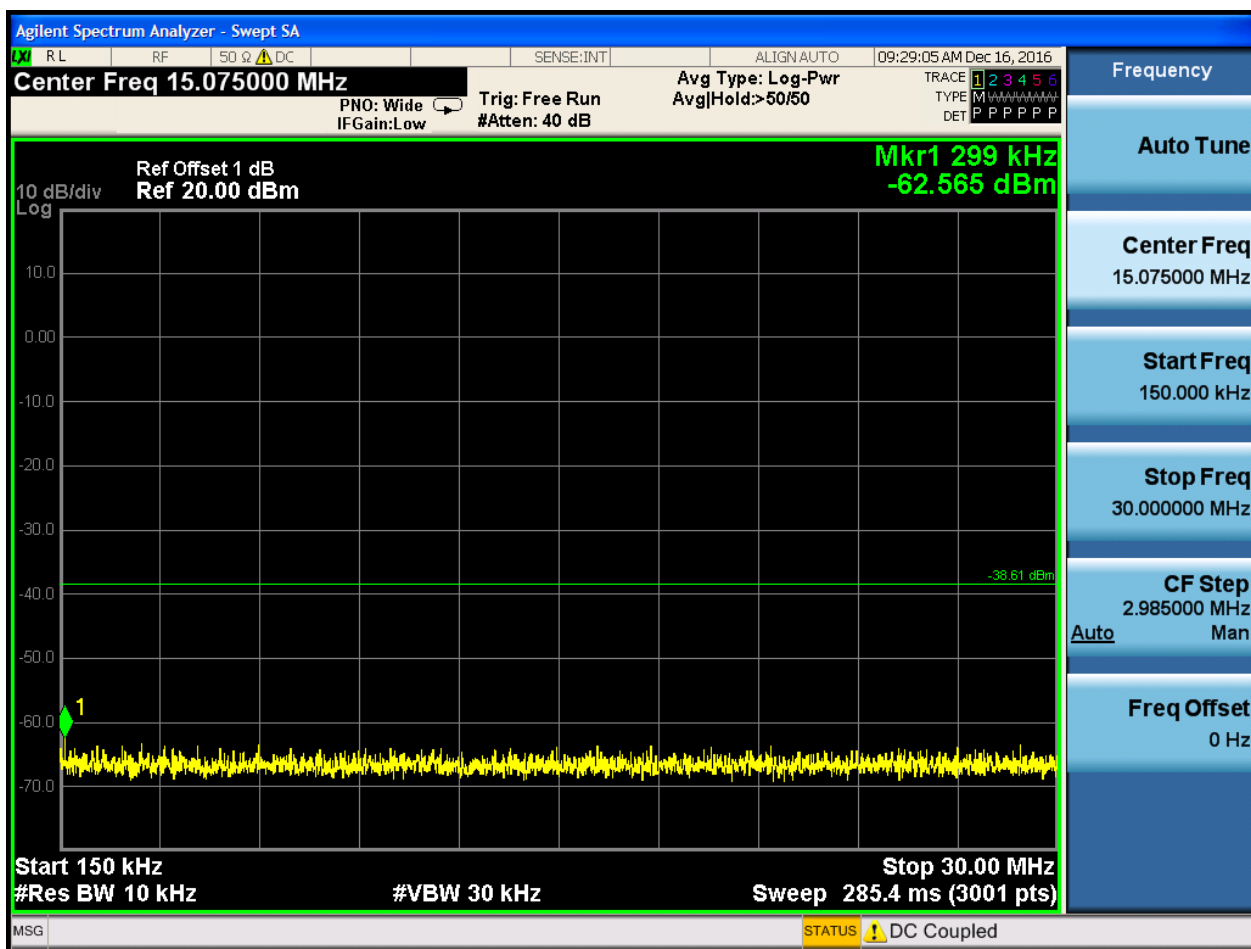
TRACE 1 2 3 4 5 6 TYPE M N N N N N N N DET P N N N N N N

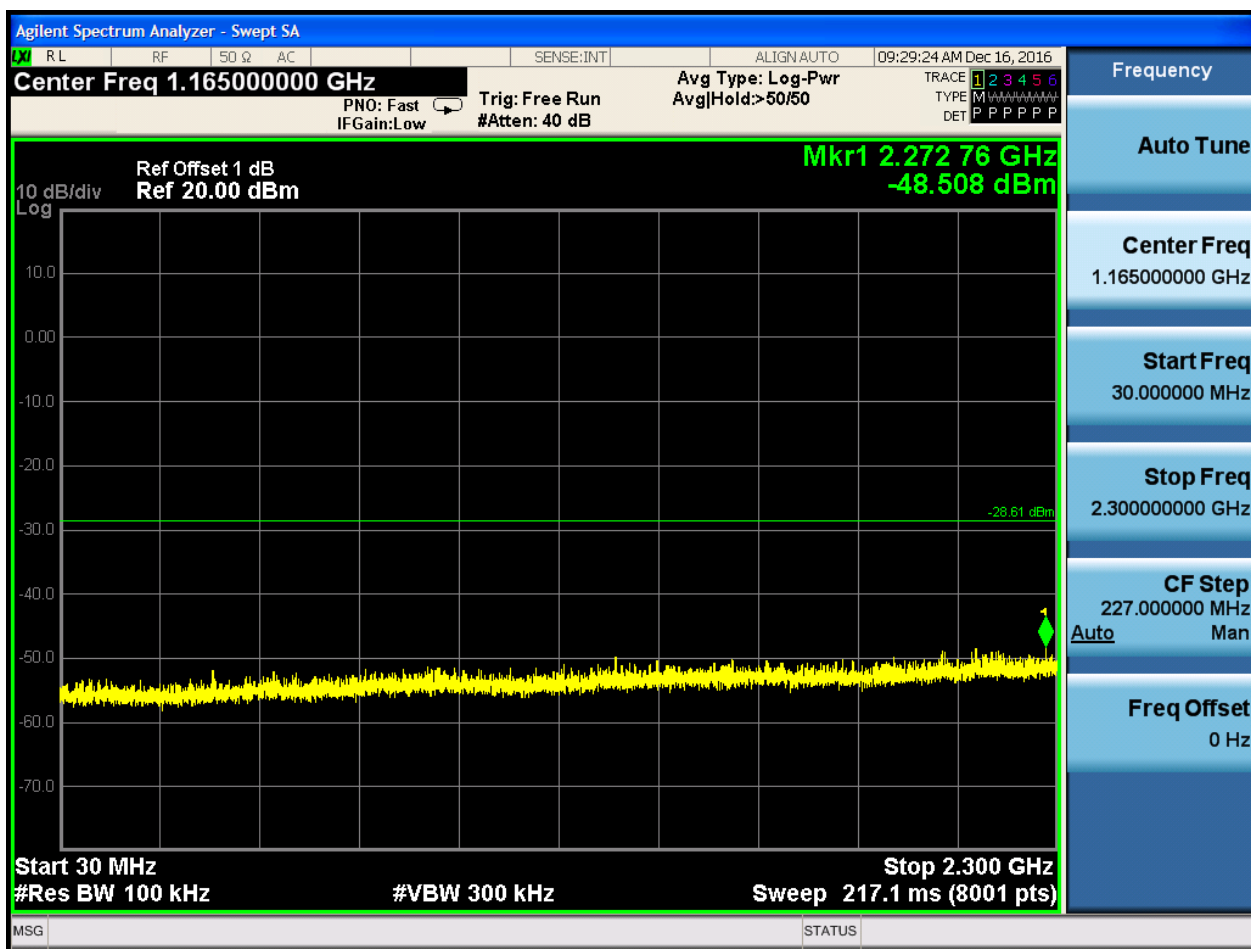
Ref Offset 1 dB Ref 17.00 dBm Mkr1 35.320 kHz -61.108 dBm

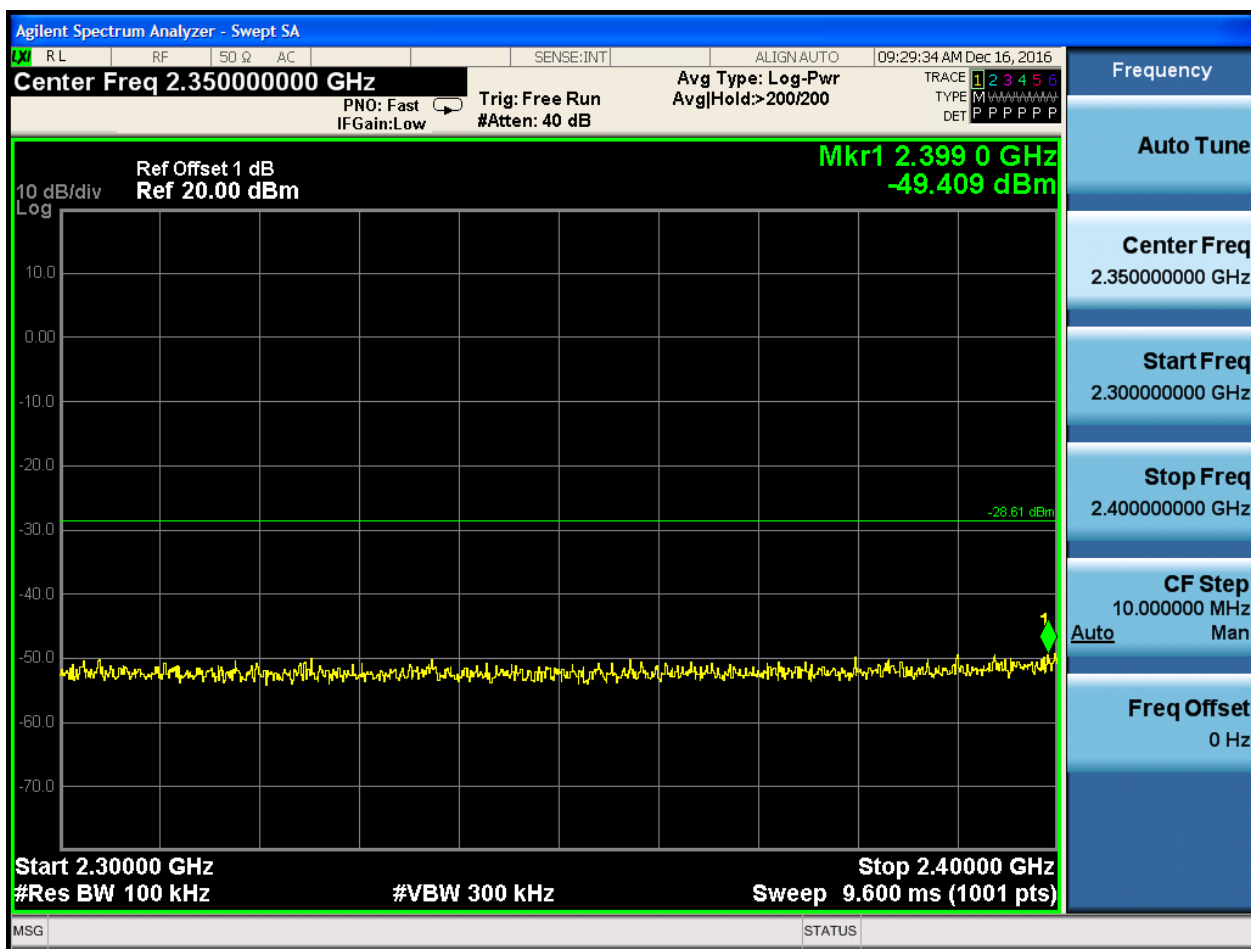
10 dB/div Log

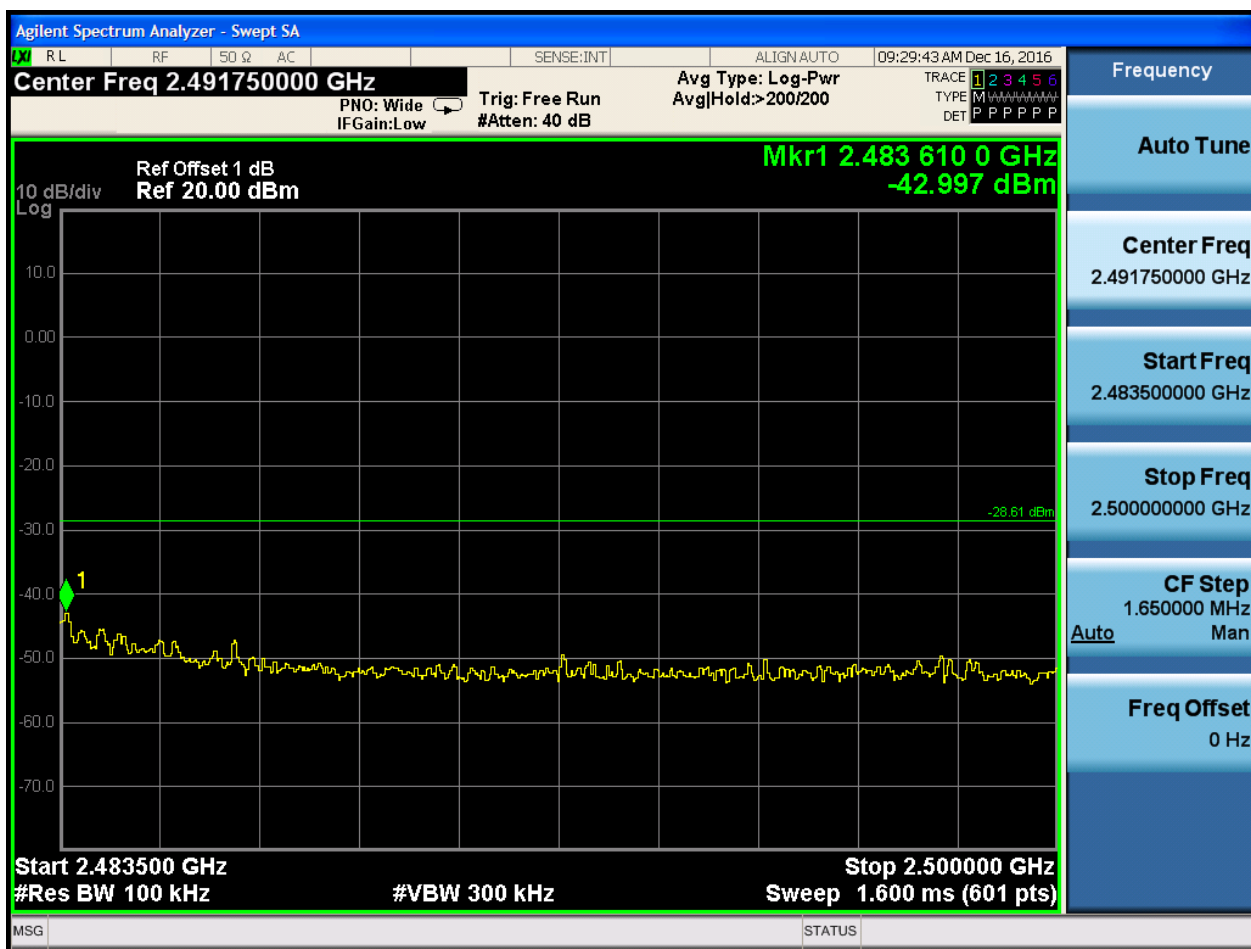
Start 9.00 kHz Stop 150.00 kHz
#Res BW 1.0 kHz #VBW 3.0 kHz Sweep 134.8 ms (601 pts)

MSG STATUS DC Coupled











Appendix H: Radiated Spurious Emission & Spurious in Restricted Band

Note: We tested all modes, but the data presented below is the worst case.

Below 1GHz, RBW = 100 kHz, VBW = 300 kHz.

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

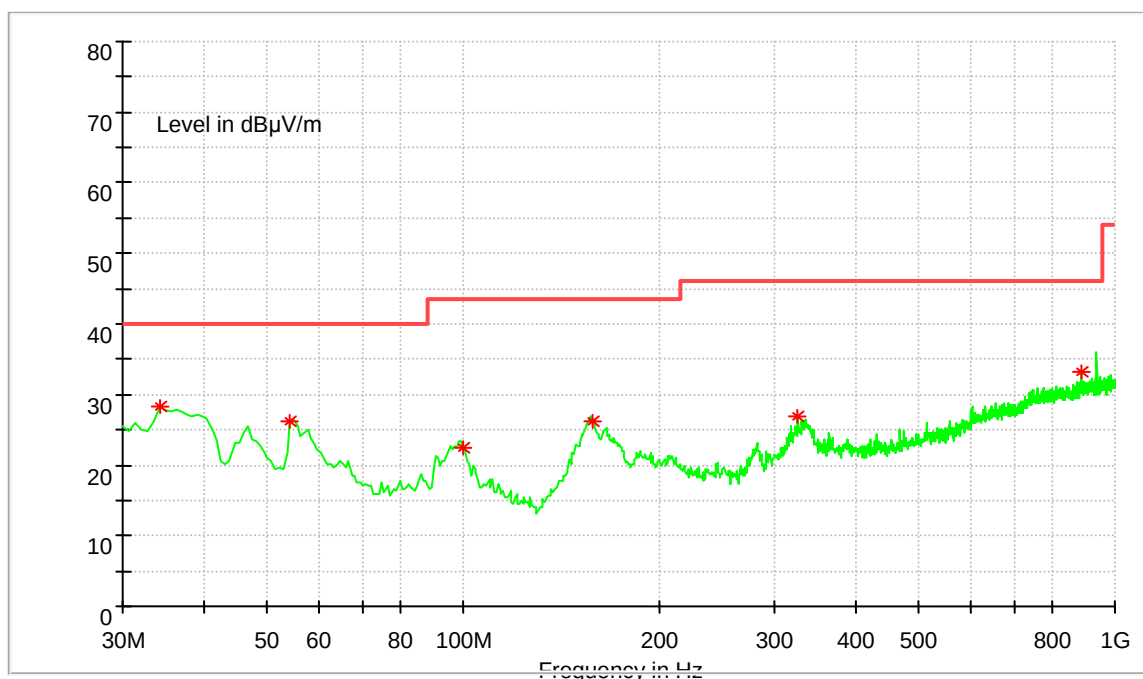
1.1 Part 1: Testing Range of “9 kHz to 30MHz”

NOTE1: No peak found in the Test Range of “9 kHz to 30MHz”

1.2 Part 2: Testing Range of “30 MHz to 1 GHz”

Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



MEASUREMENT RESULT: QP Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Transd. (dB)
34.157143	28.23	40	11.77	100	V	236	14.4
54.25	26.26	40	13.74	100	V	295	14.6
99.978571	22.43	43.5	21.07	100	V	159	13.4
158.178571	26.1	43.5	17.4	100	V	273	10.2
326.542857	26.88	46	19.12	100	H	95	16
889.142857	33.11	46	12.89	100	V	181	25

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.3Part 3: Testing Range of “1 GHz to 3 GHz”

Note 1: The testing range of “1 GHz to 3 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands.

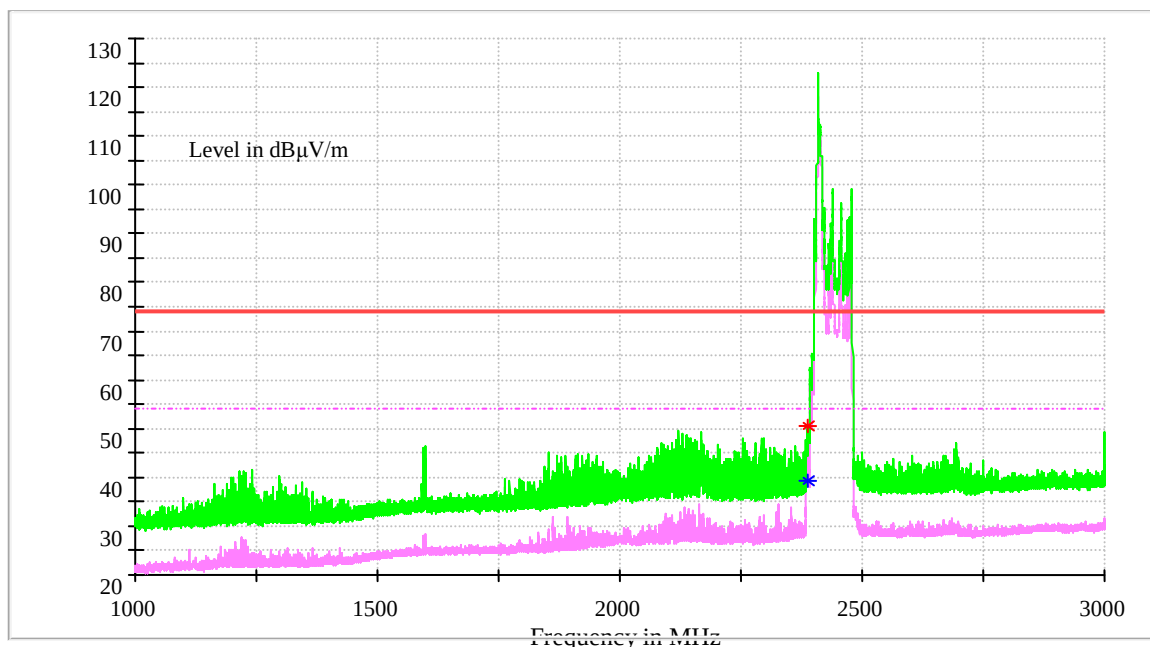
Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBμV/m) and Average Limit (54 dBμV/m).

Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.

Test Mode:

1.4.1Test Mode: 11B

1.4.1.1 Channel 1 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Transd. (dB)
2390	39.44	54	14.56	100	H	216	-2.1

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Transd. (dB)
2390	50.44	74	23.56	100	V	254	-2.1

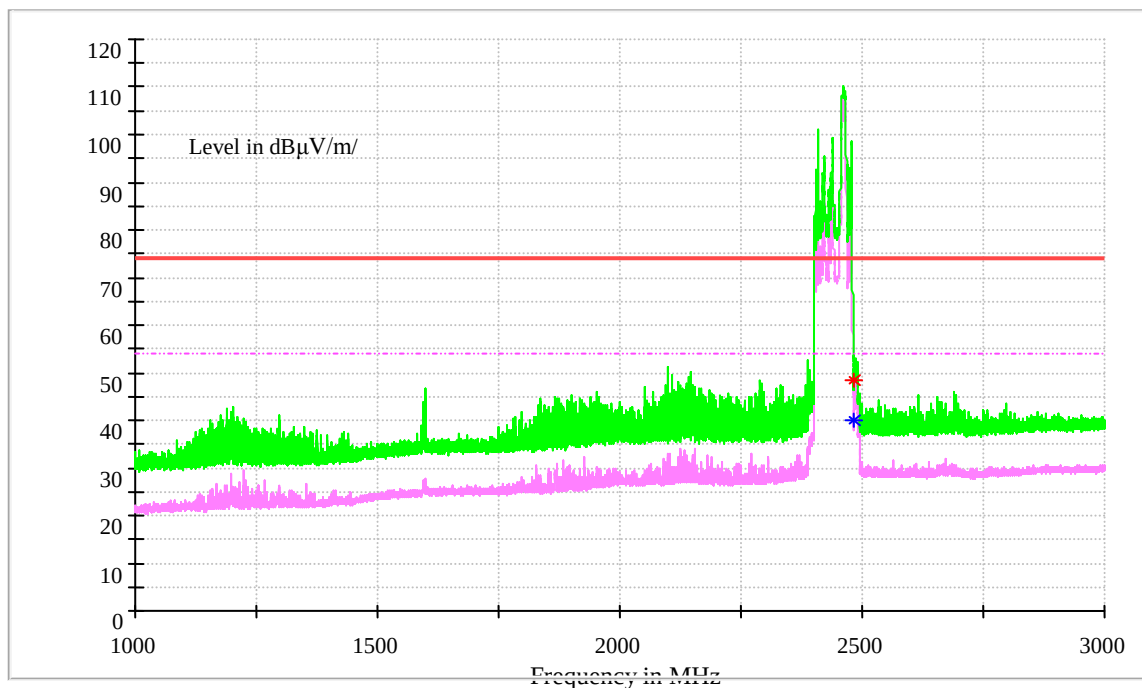
Note2:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.4.1.2 Channel 11@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	40.15	54	13.85	100	H	243	7.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	48.53	74	25.47	100	H	203	7.2

Note2:

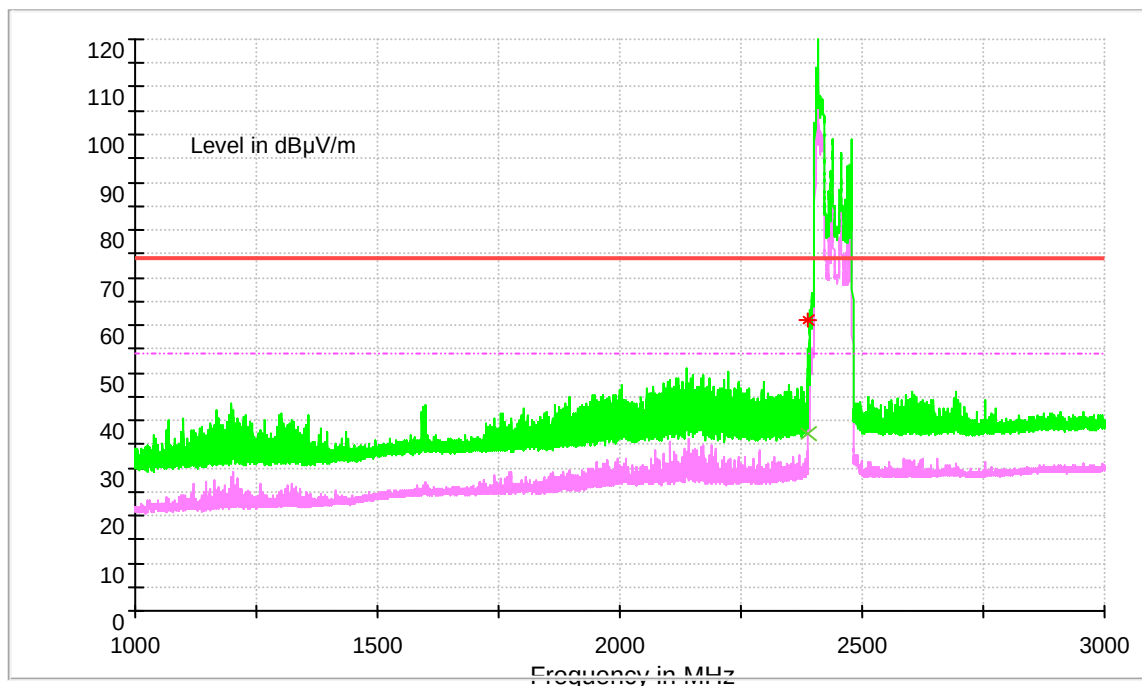
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.4.2 Test Mode: 11G

1.4.2.1 Channel 1 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	37.27	54	16.73	100	H	225	-2.1

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	61.14	74	12.86	100	H	225	-2.1

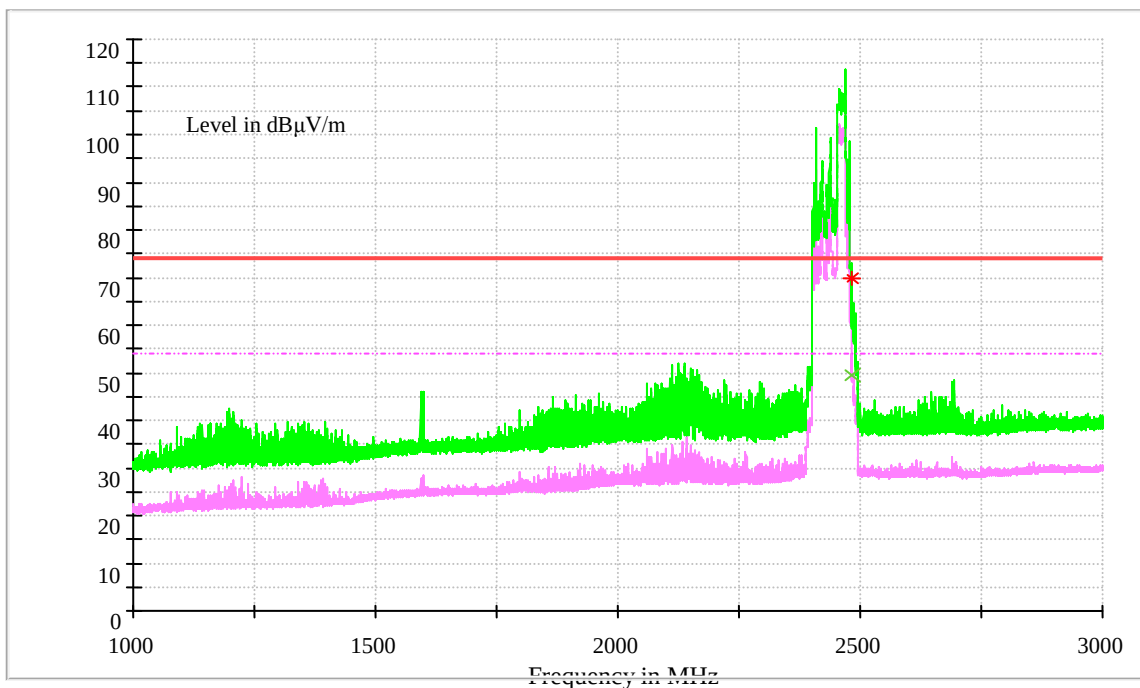
Note2:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.4.2.2 Channel 11@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	49.61	54	4.39	145	H	225	7.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	69.78	74	4.22	150	H	225	7.2

Note2:

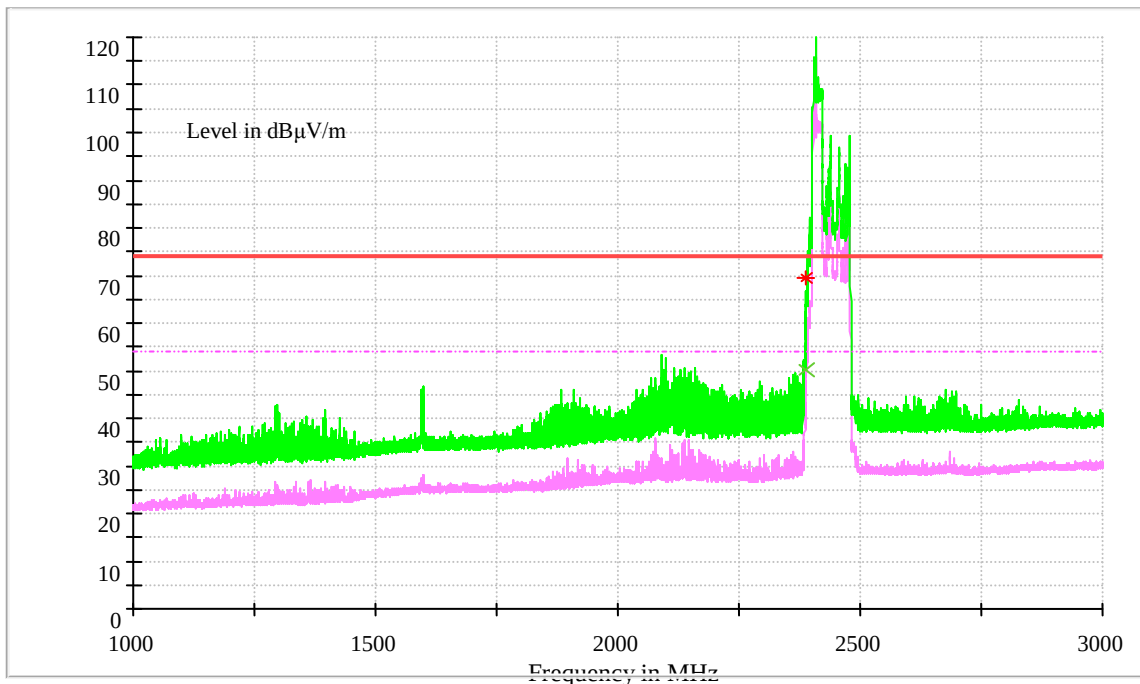
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.4.3 Test Mode: 11N20

1.4.3.1 Channel 1 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	50	54	4	100	H	225	-2.1

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	69.64	74	4.36	134	H	225	-2.1

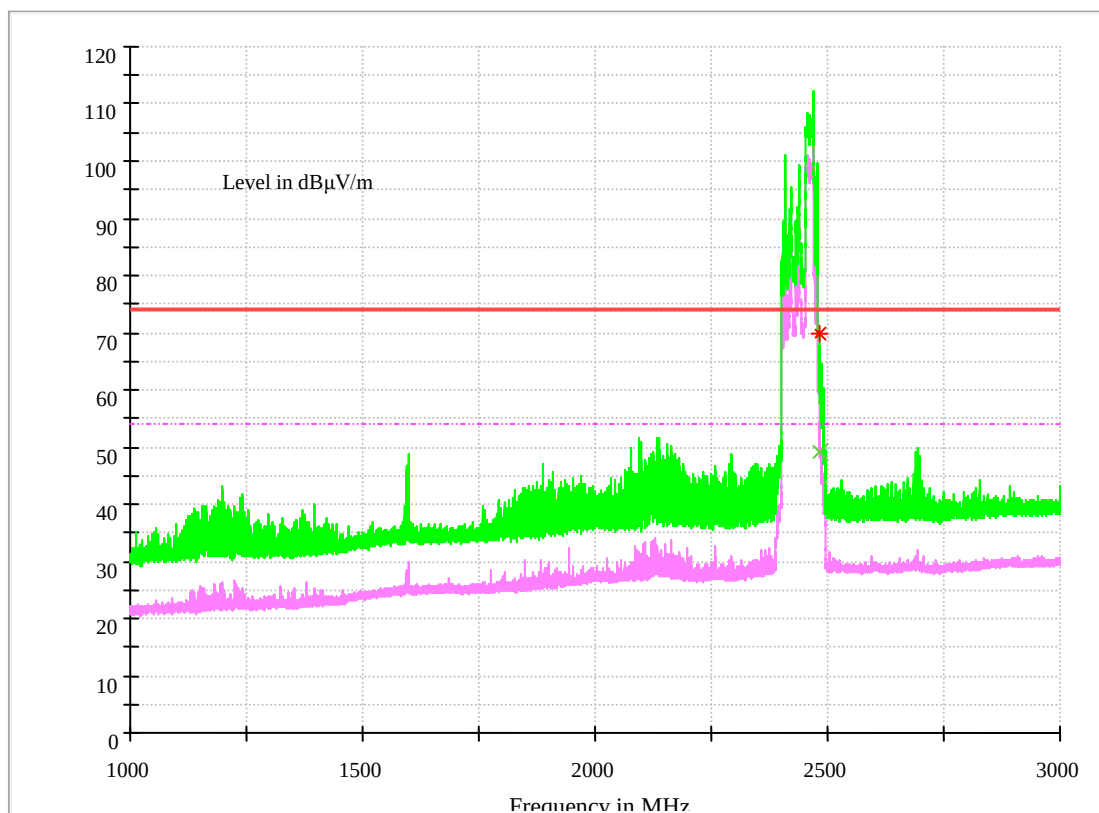
Note2:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.4.3.2 Channel 11@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	49.08	54	4.92	150	H	225	7.2

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	69.91	74	4.09	134	H	225	7.2

Note2:

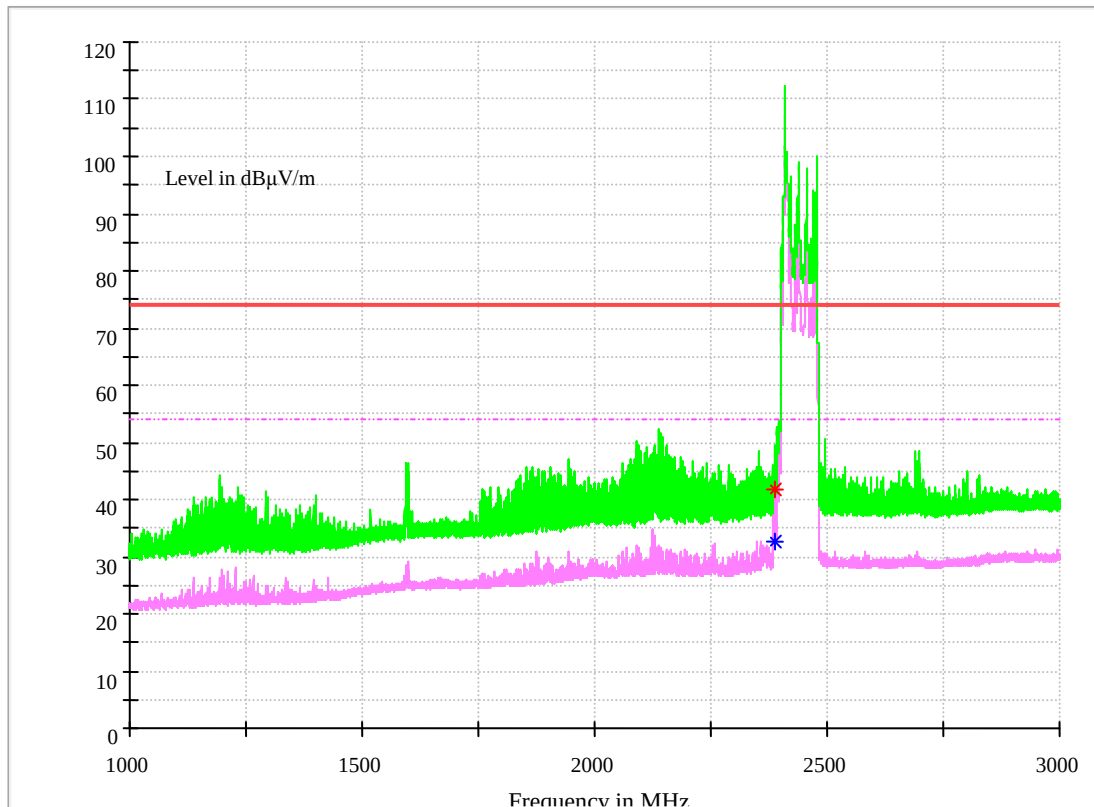
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit – Level

1.4.4 Test Mode: 11B

1.4.4.1 Channel 1 @Ant 2



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Transd. (dB)
2390	32.75	54	21.25	100	H	243	-2.1

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Transd. (dB)
2390	41.63	74	32.37	100	H	254	-2.1

Note2:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level