2.13 11N20_L@Ant 1

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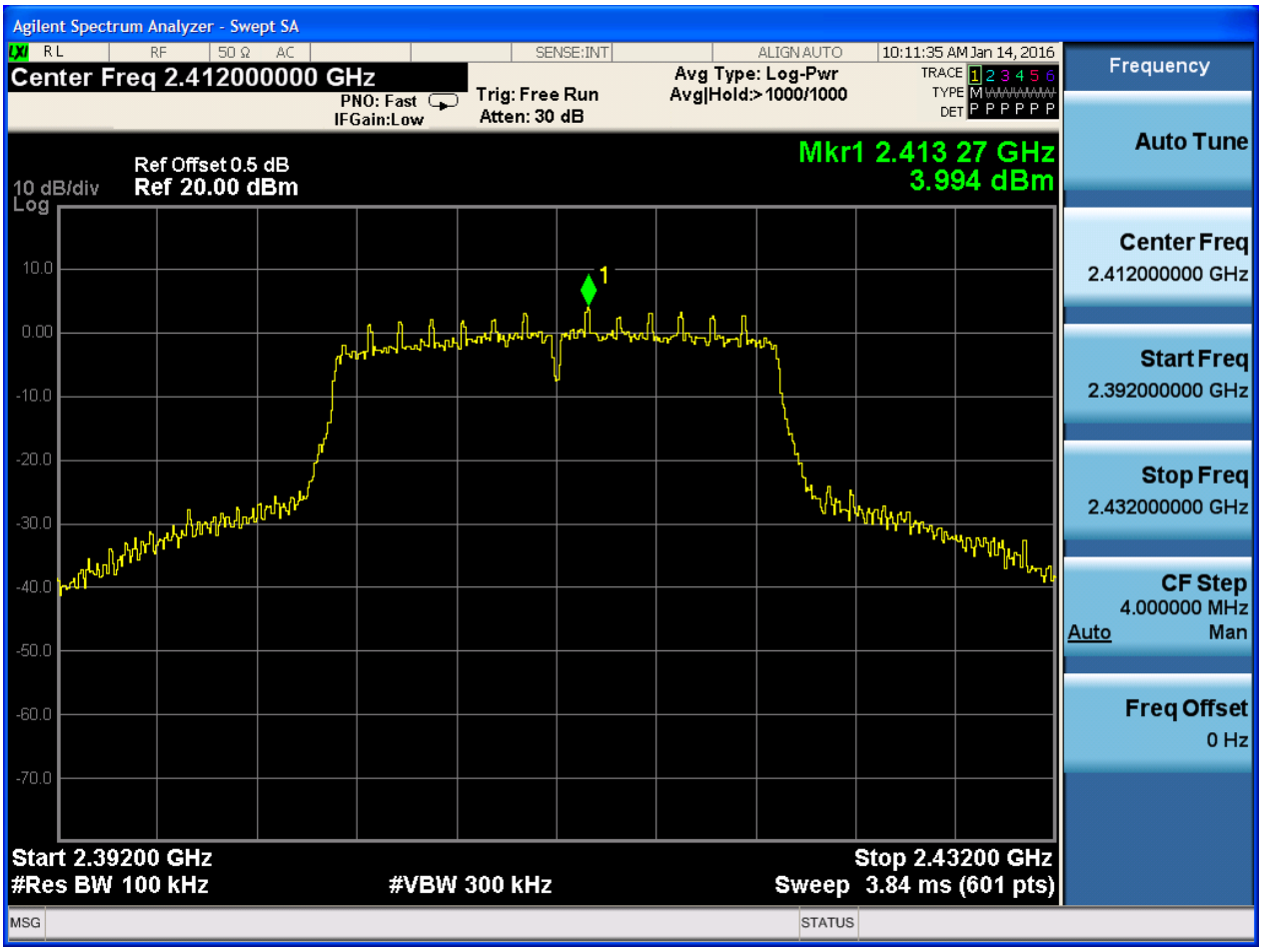

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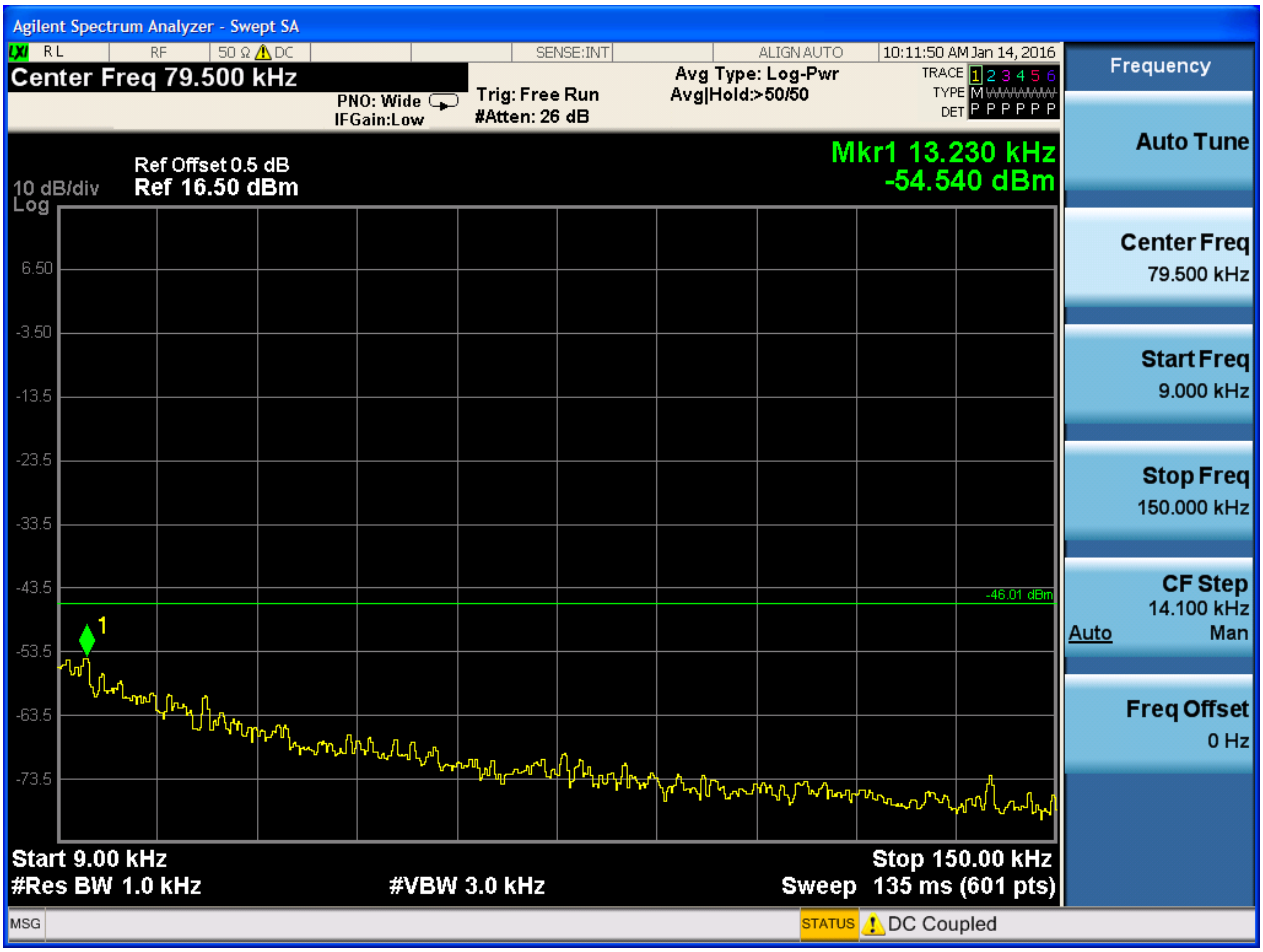

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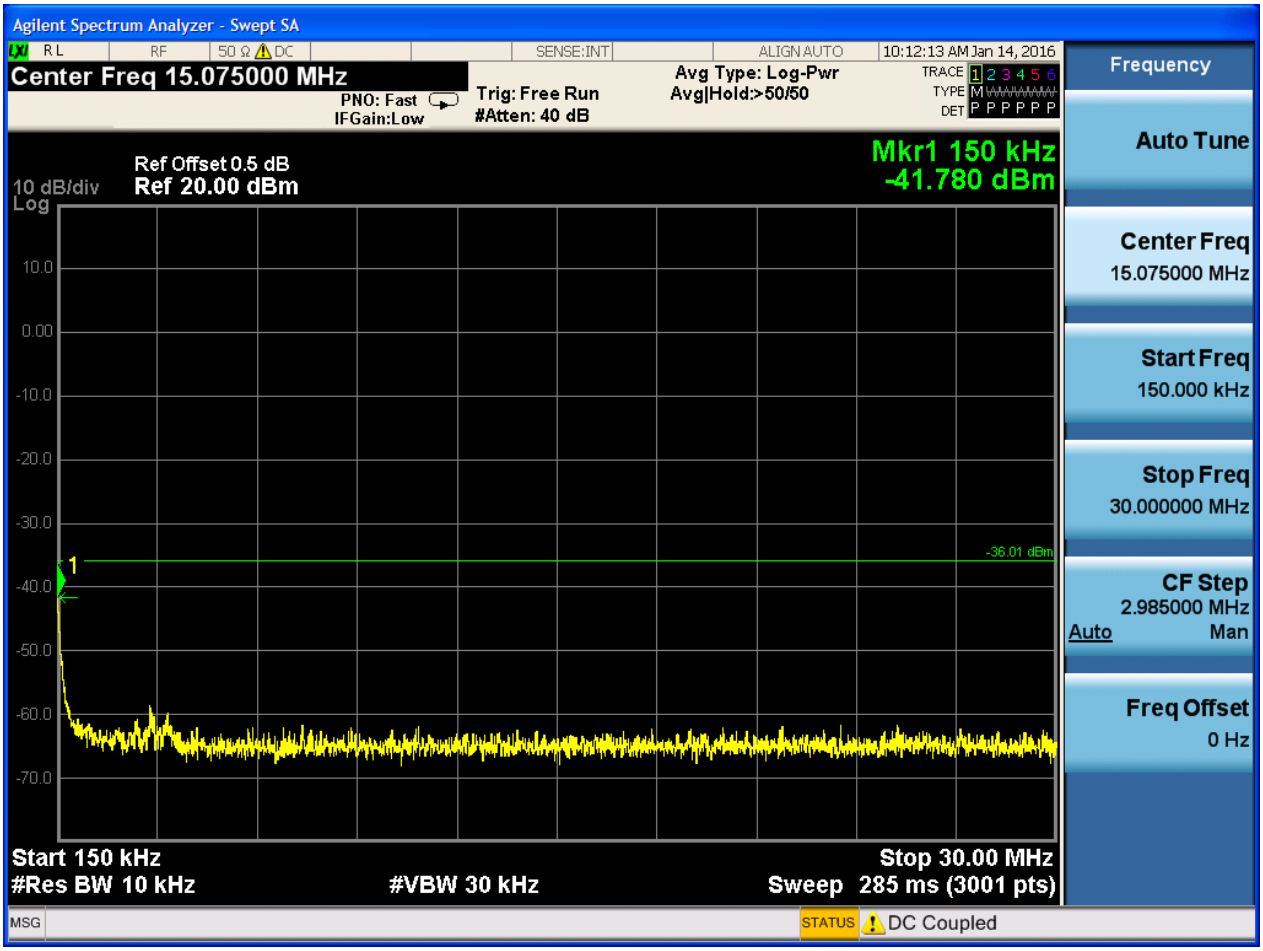

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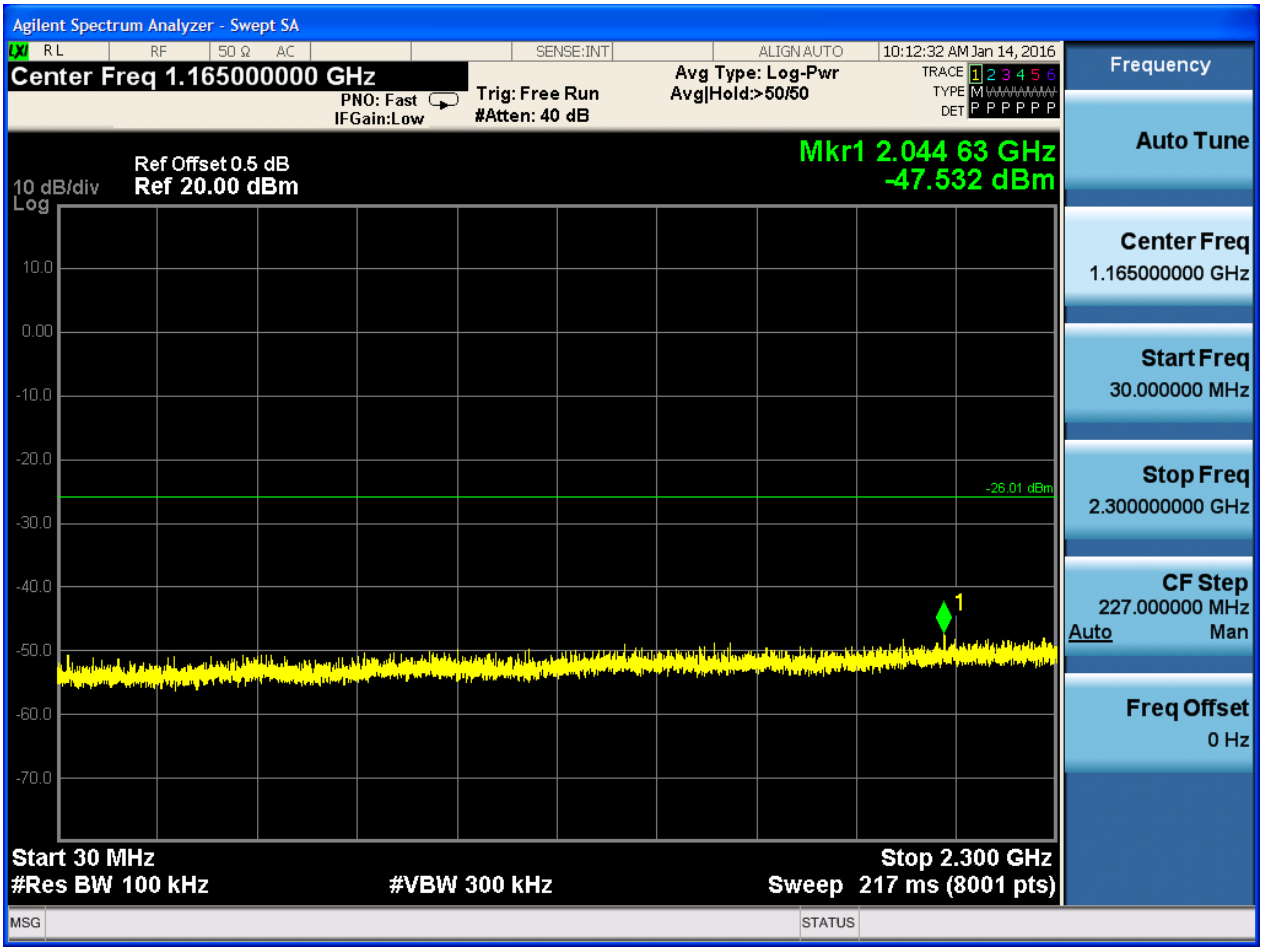

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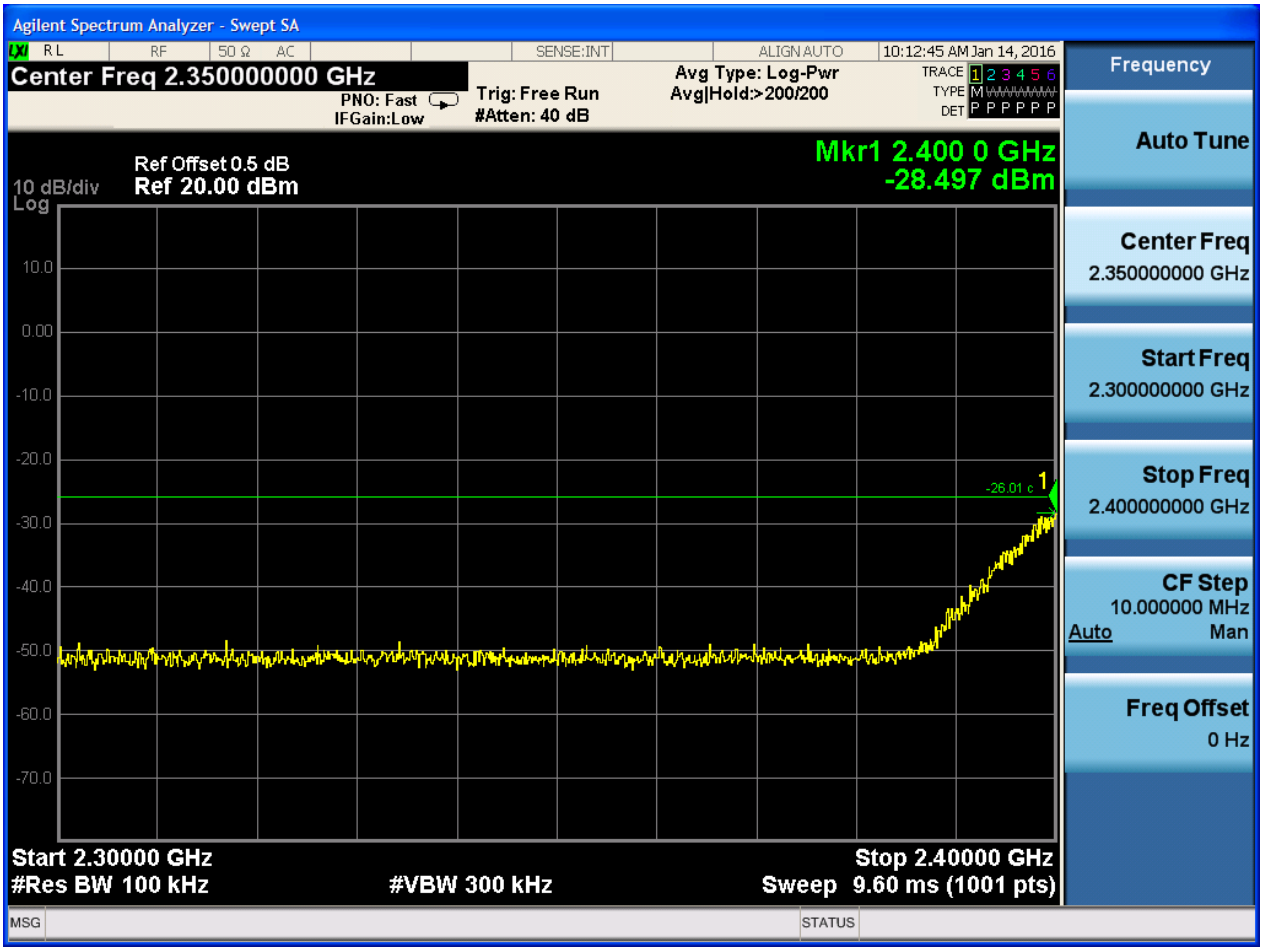

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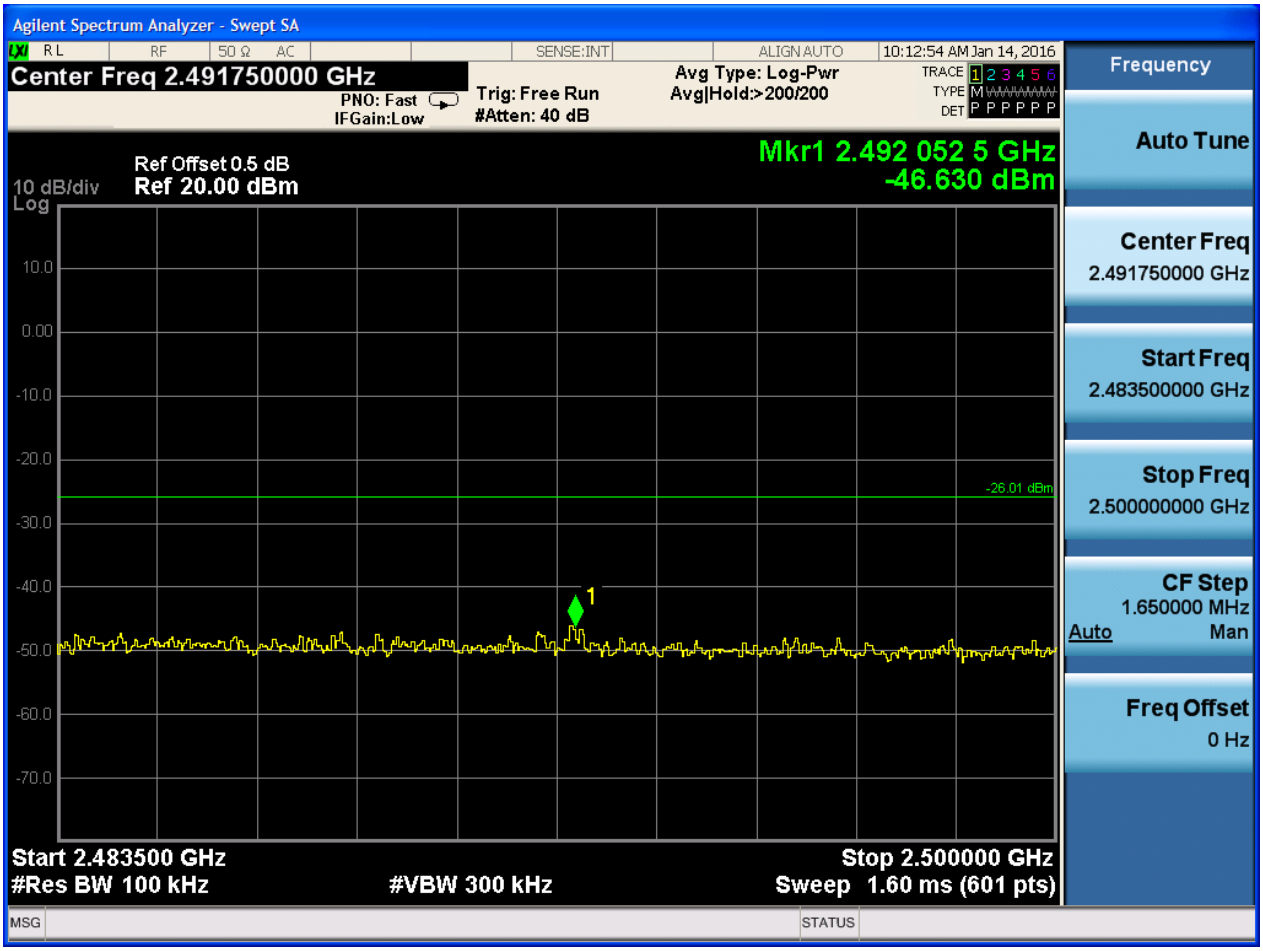

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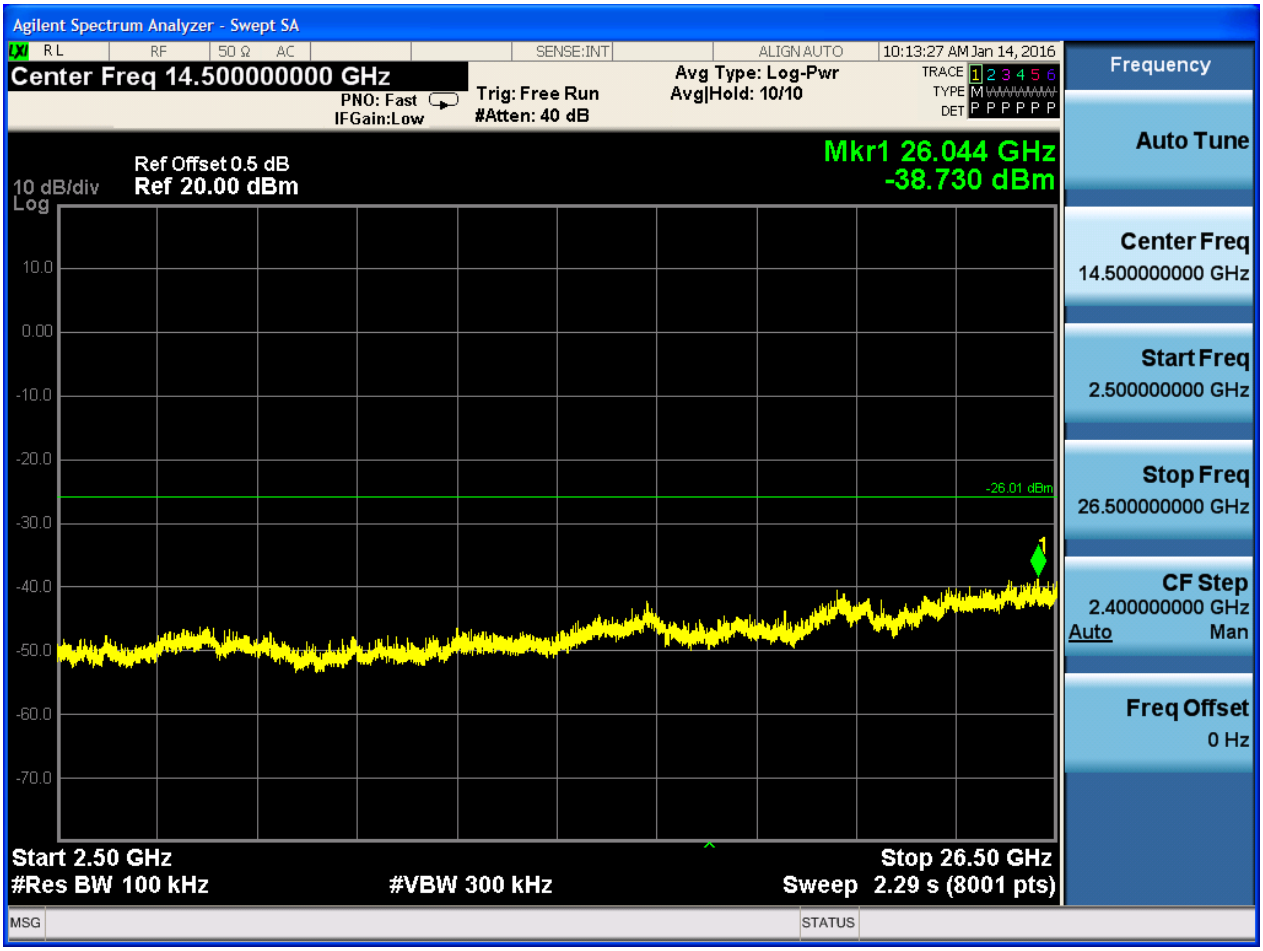

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2.15 11N20_M@Ant 1

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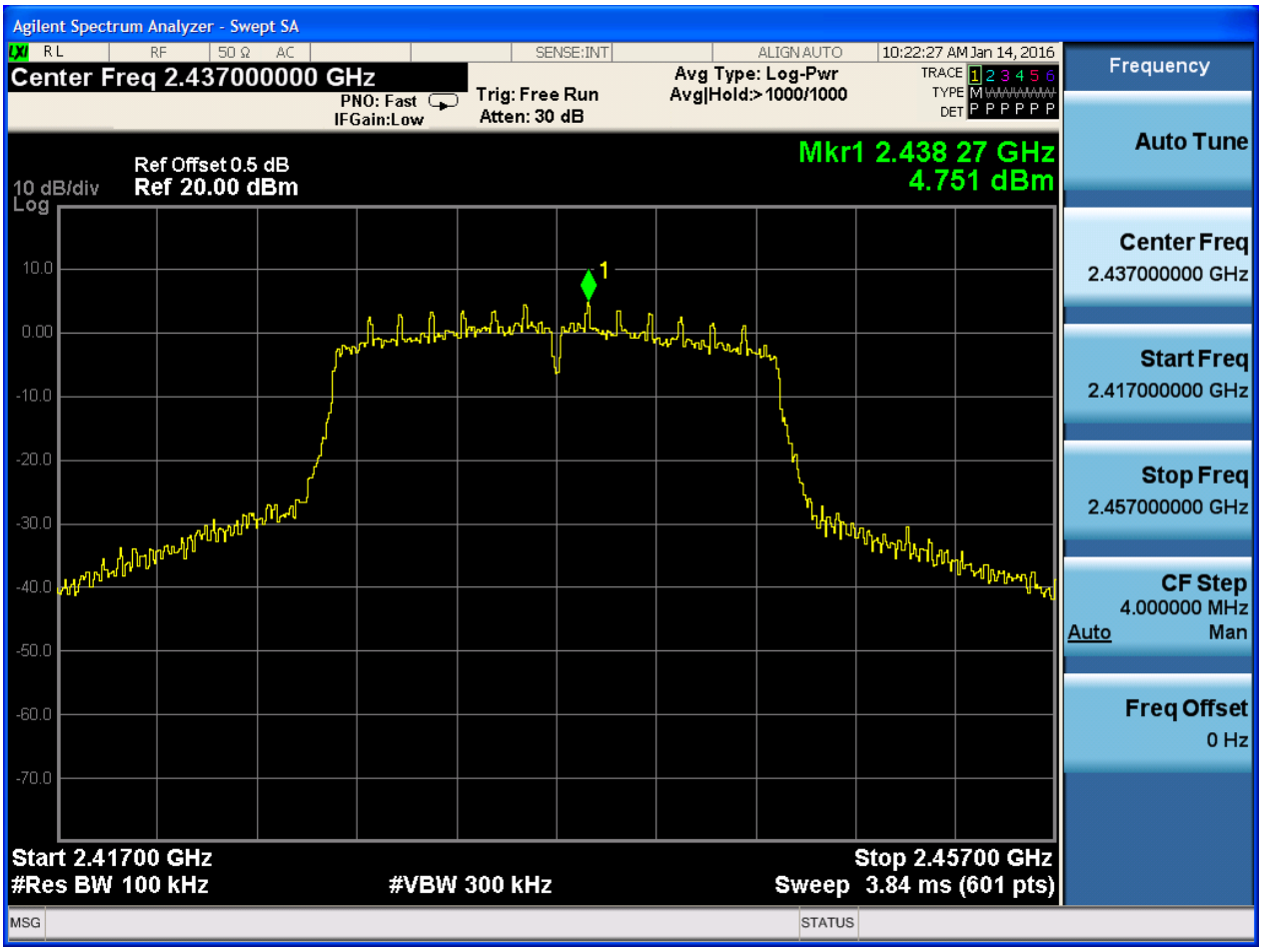

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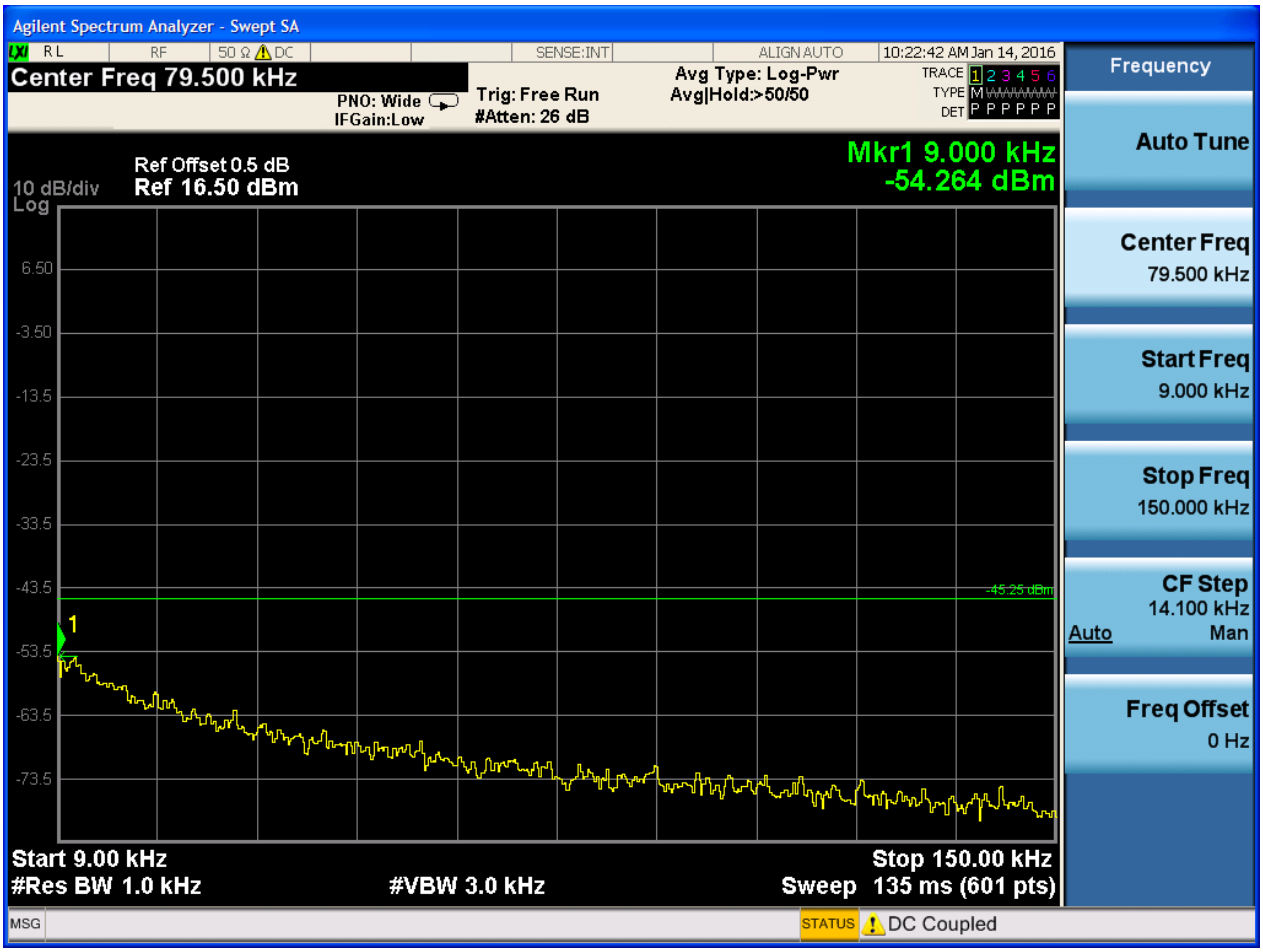

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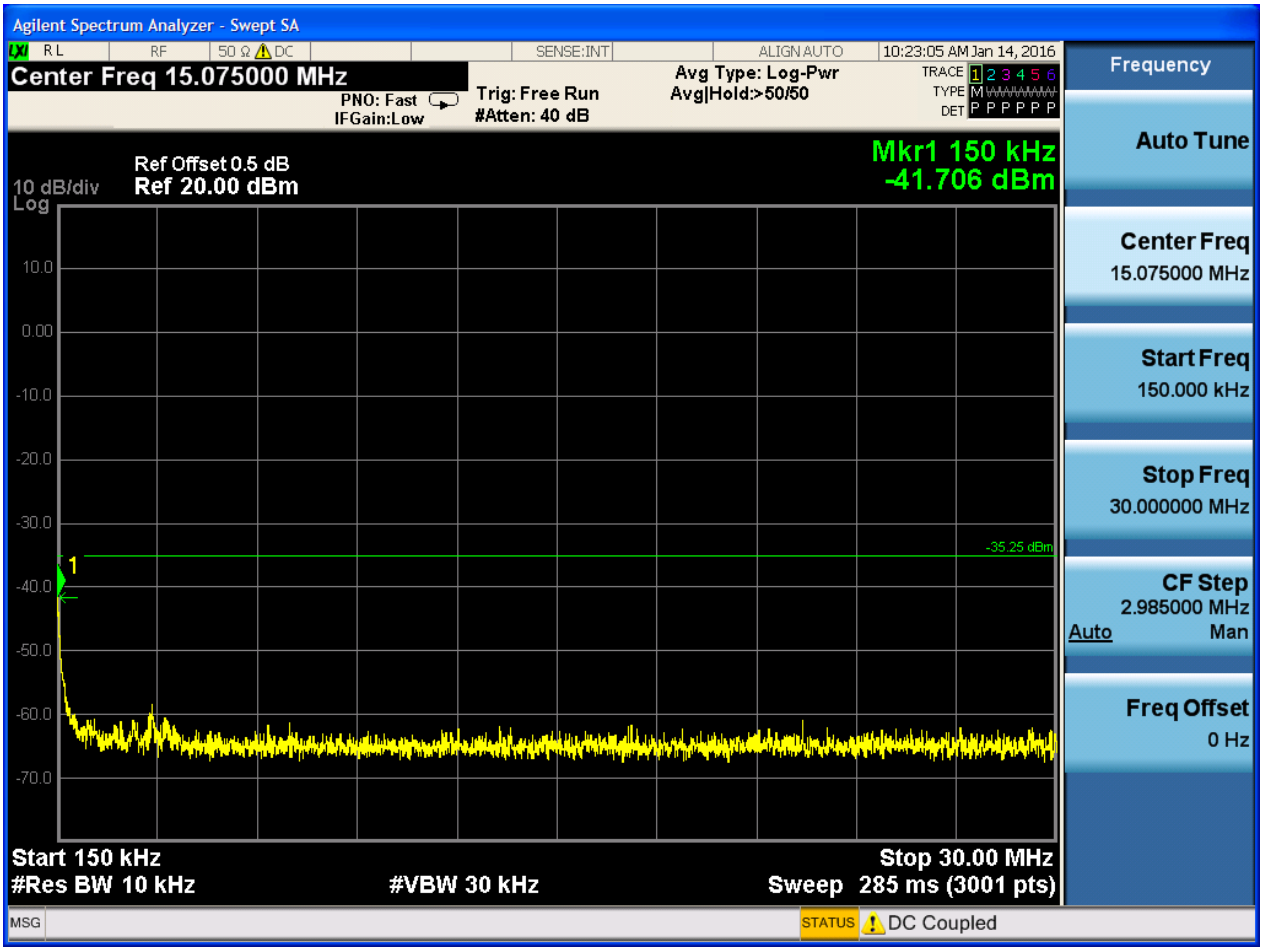

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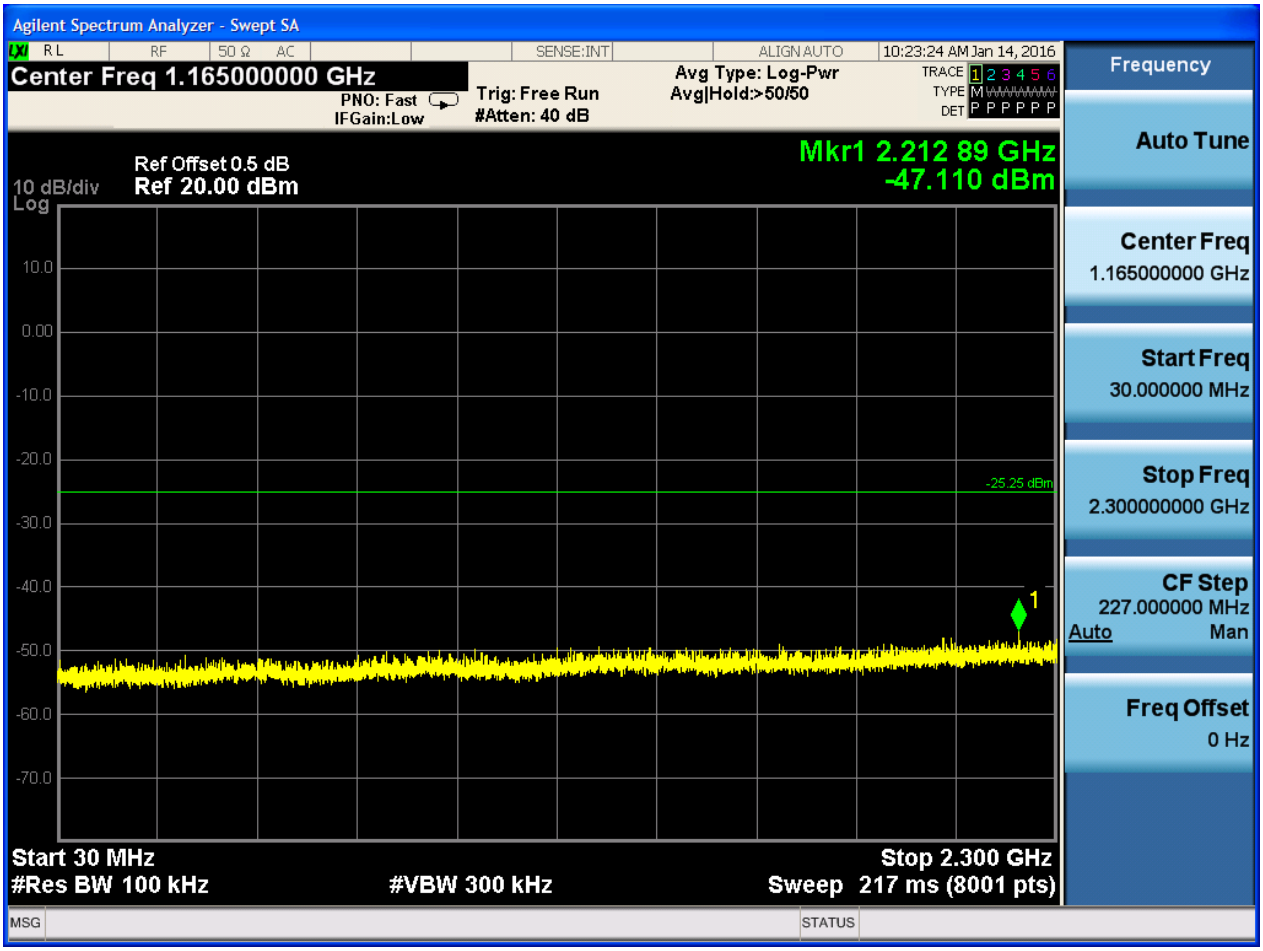

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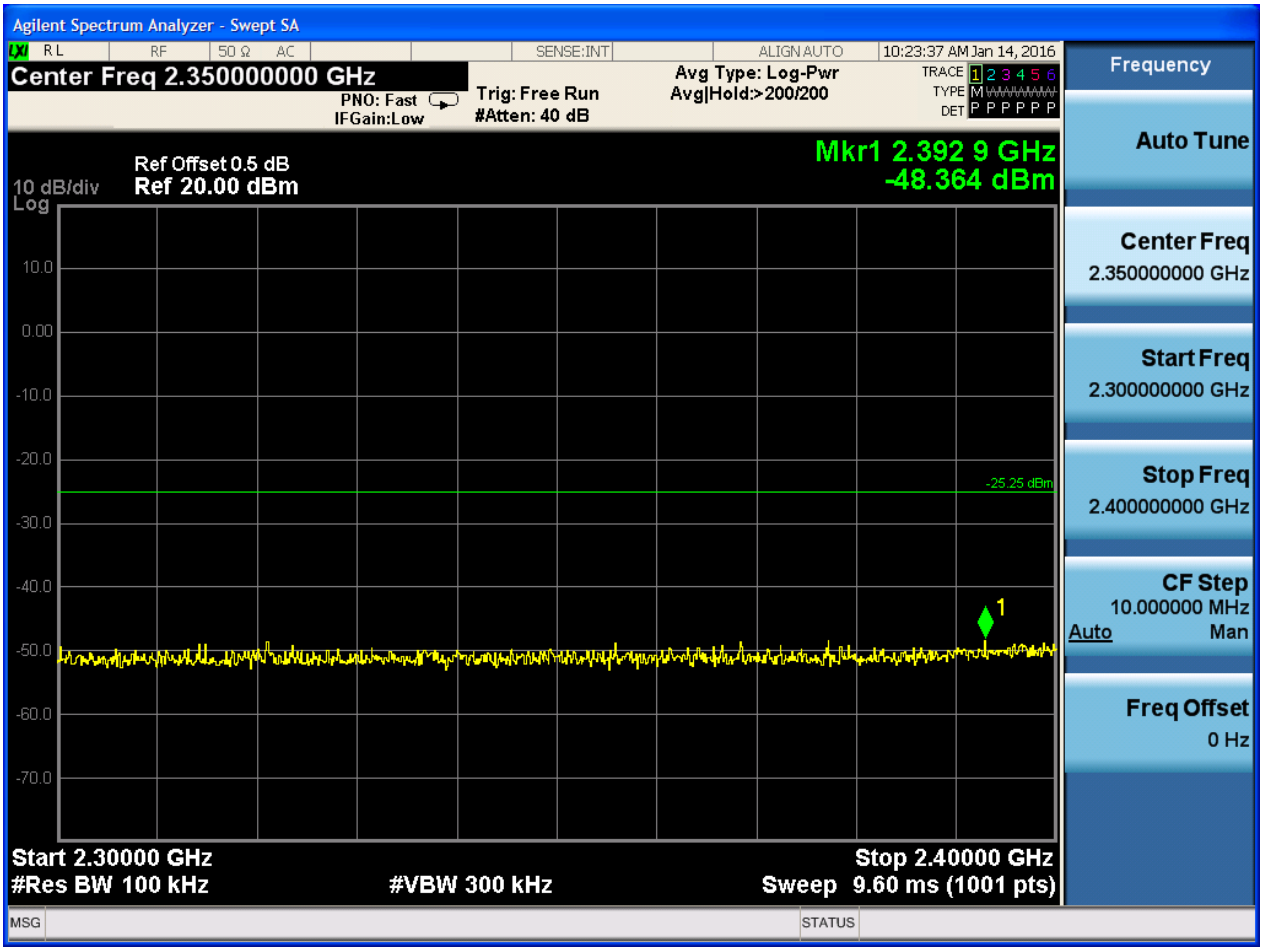

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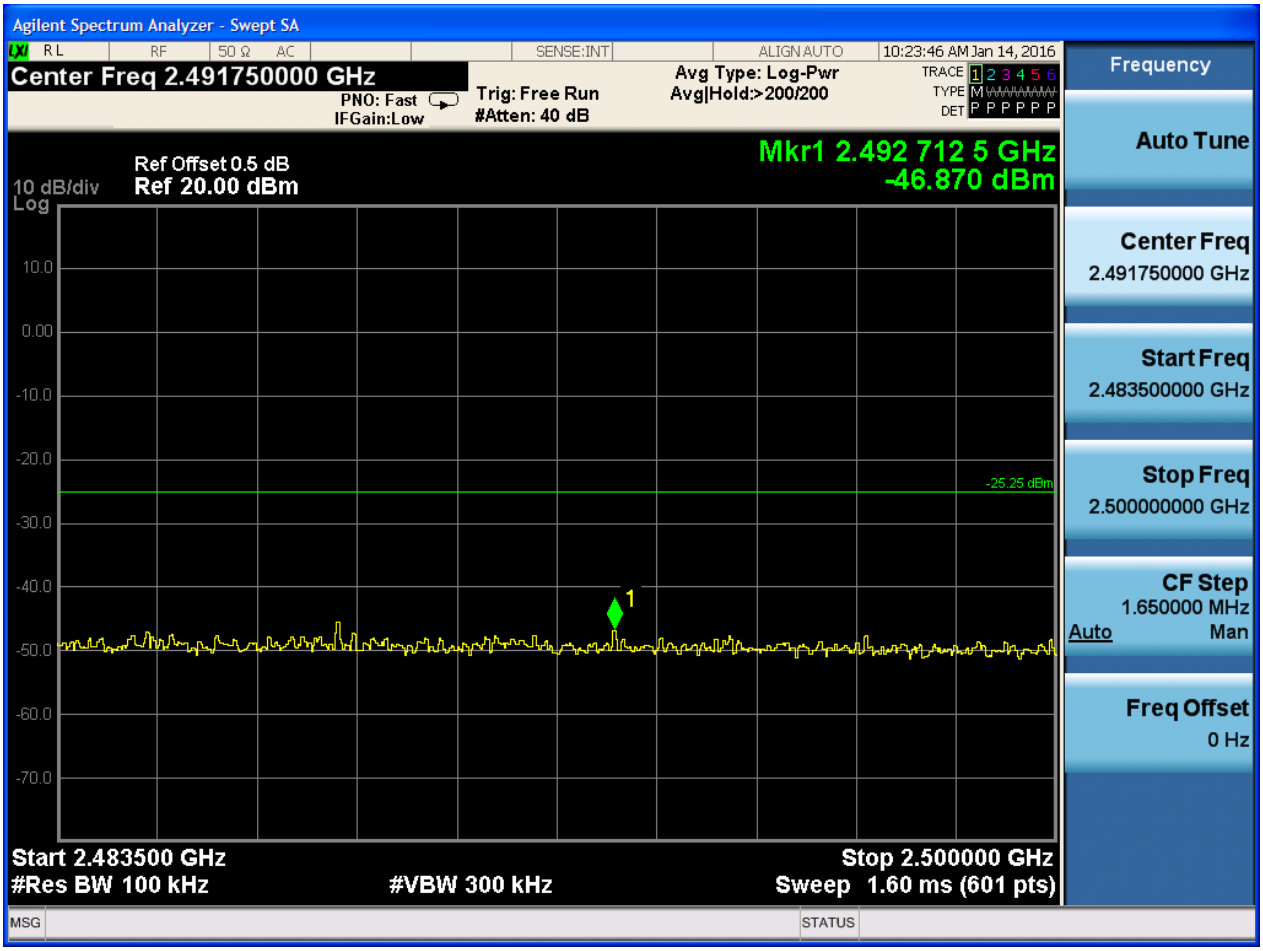

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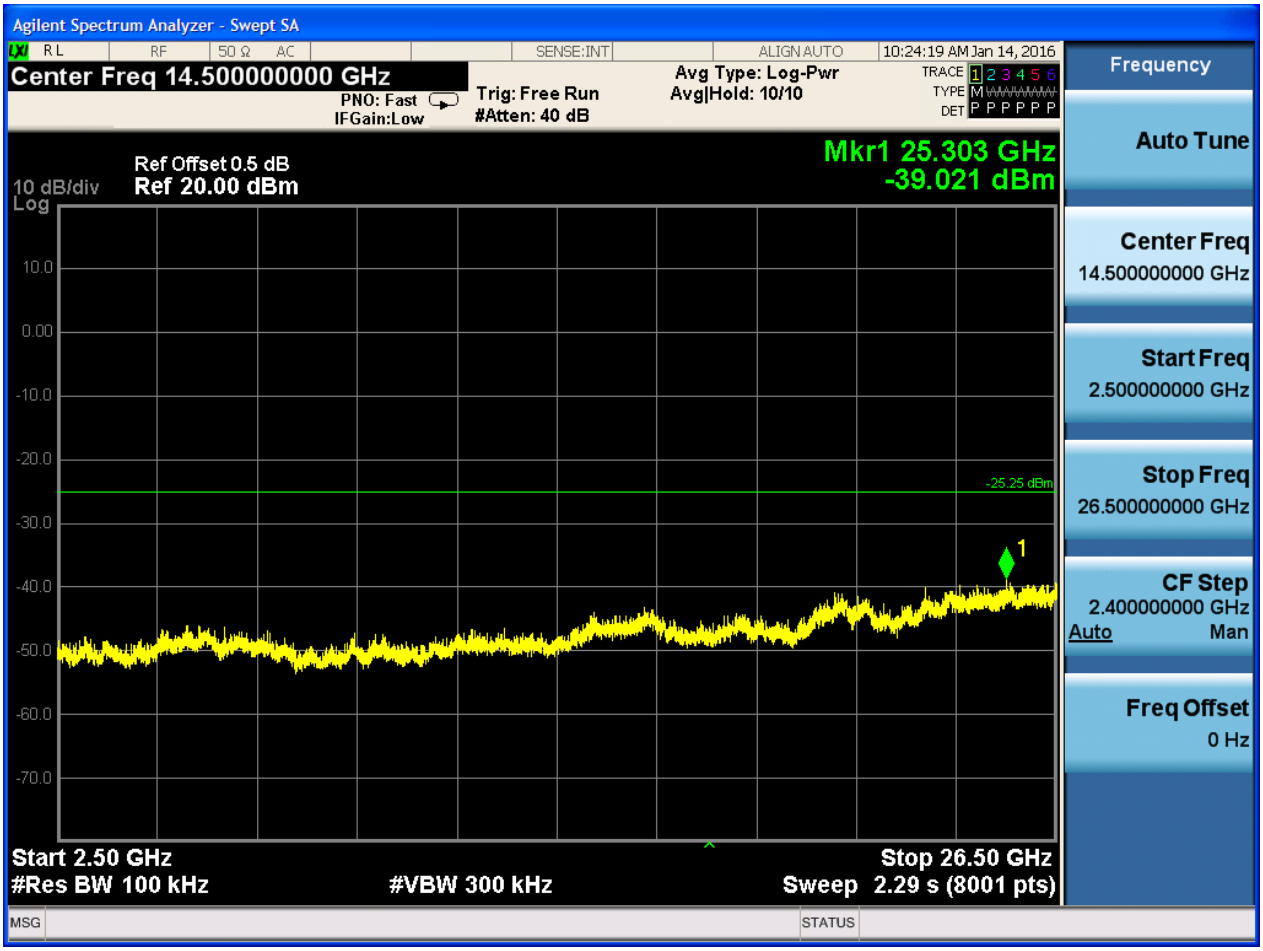

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2.17 11N20_H@Ant 1

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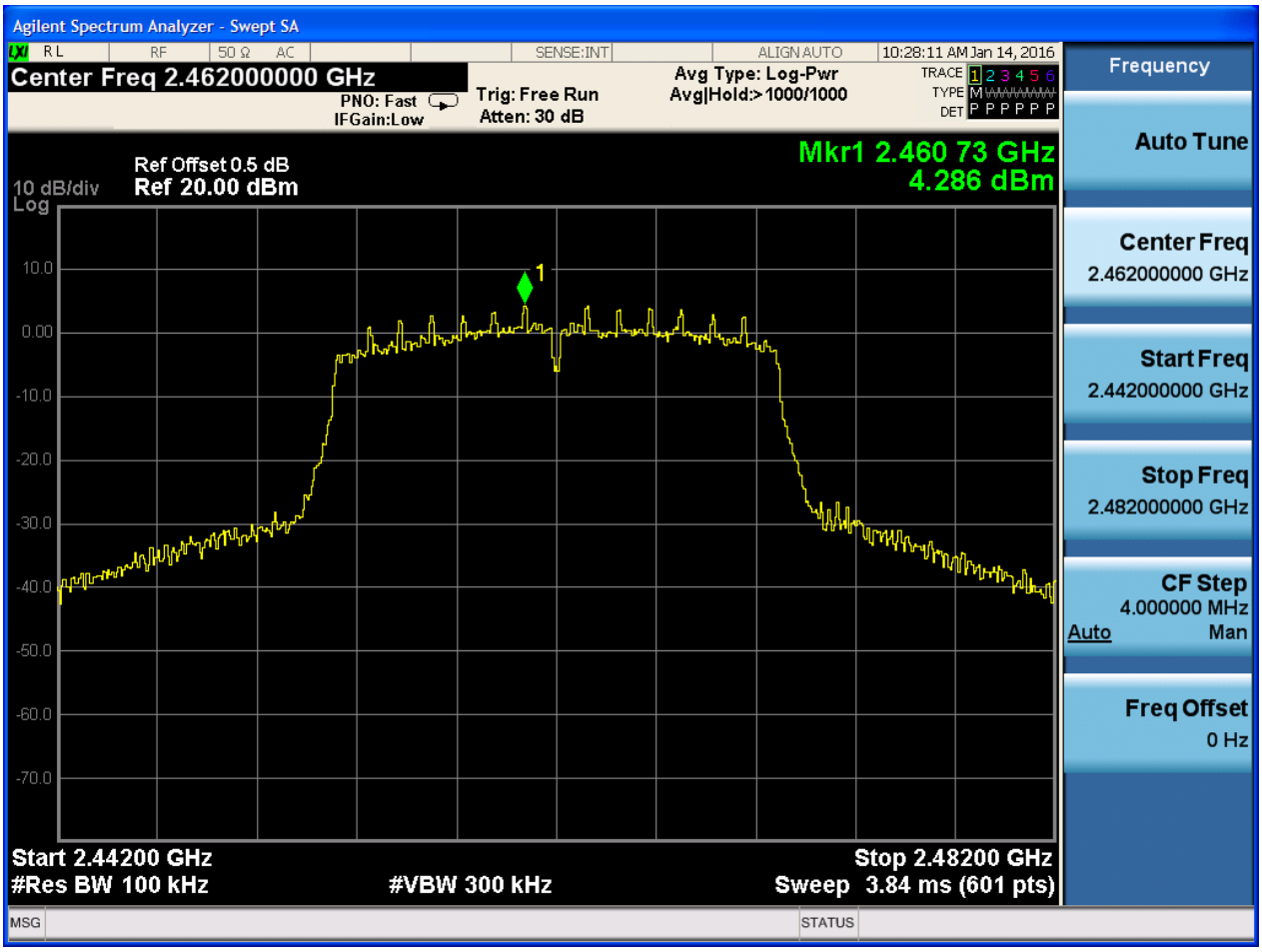

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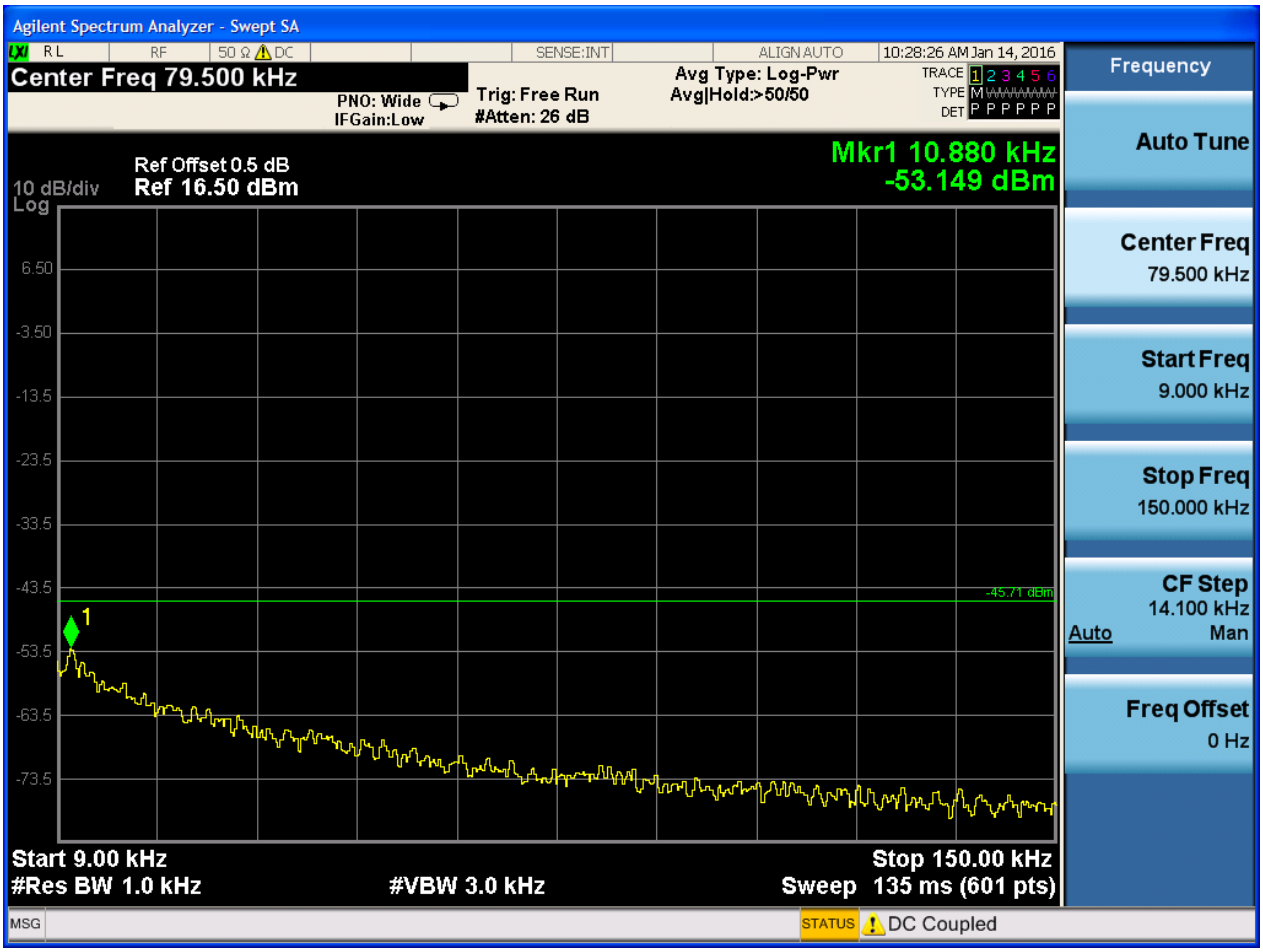

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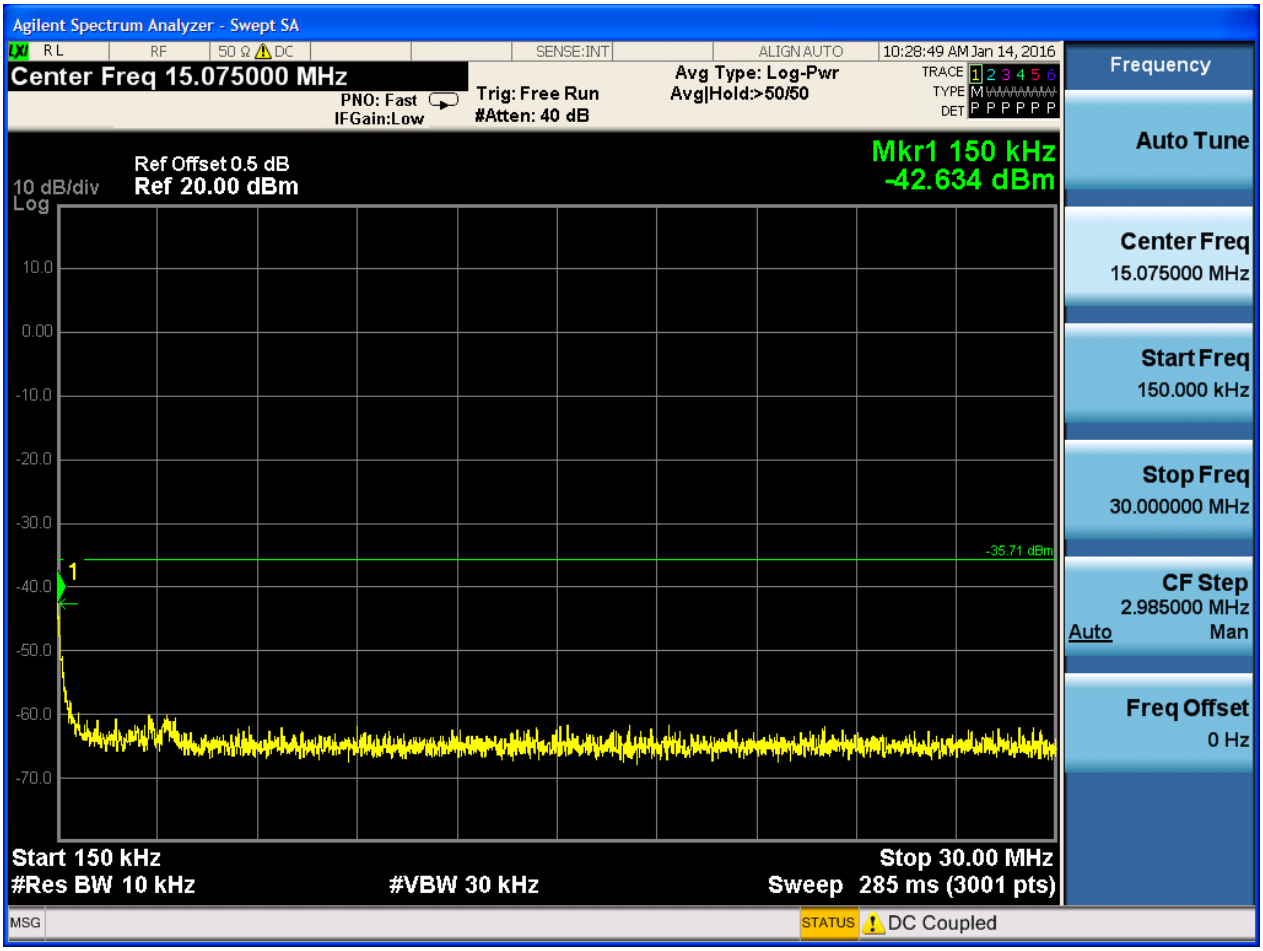

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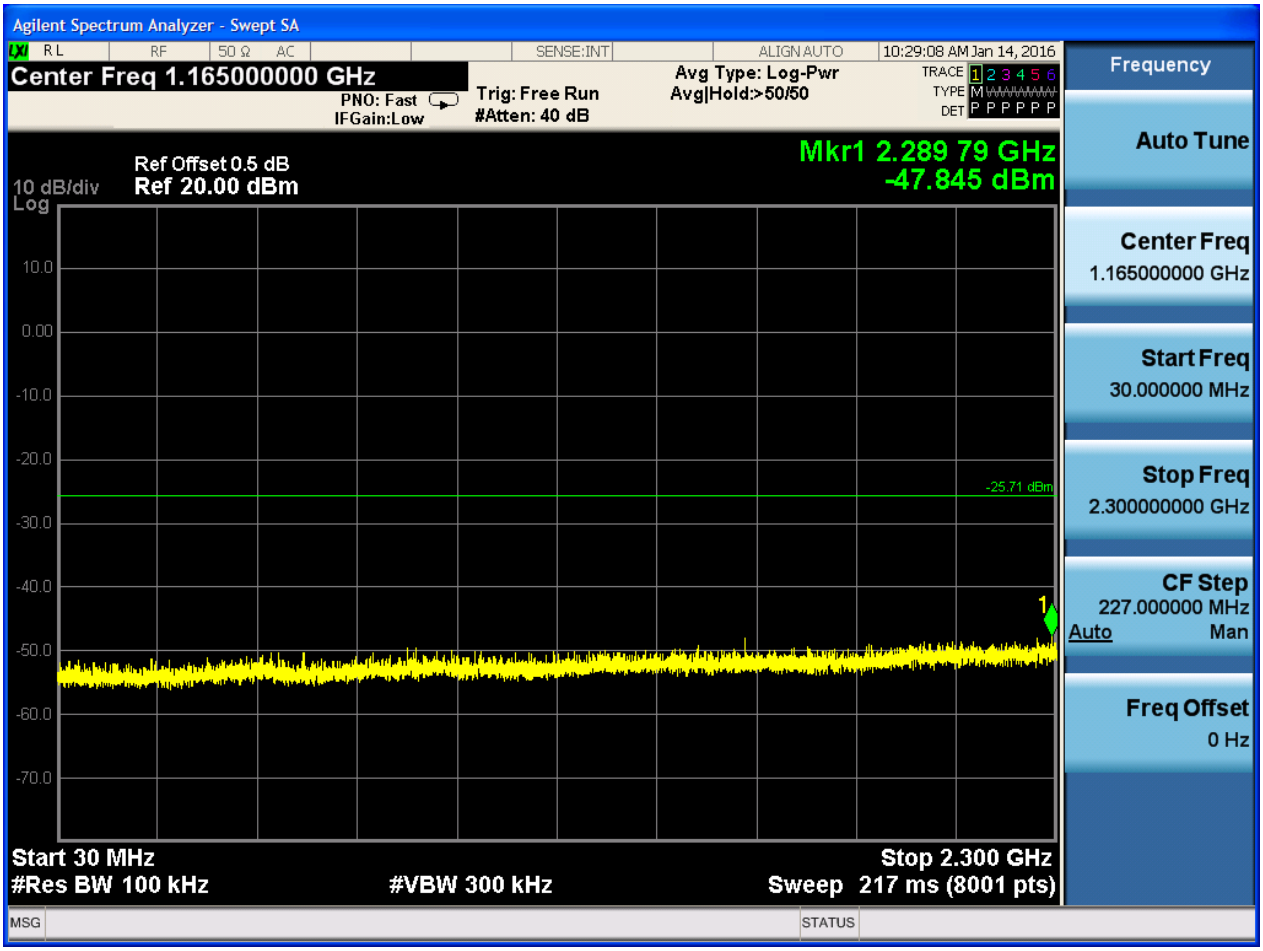

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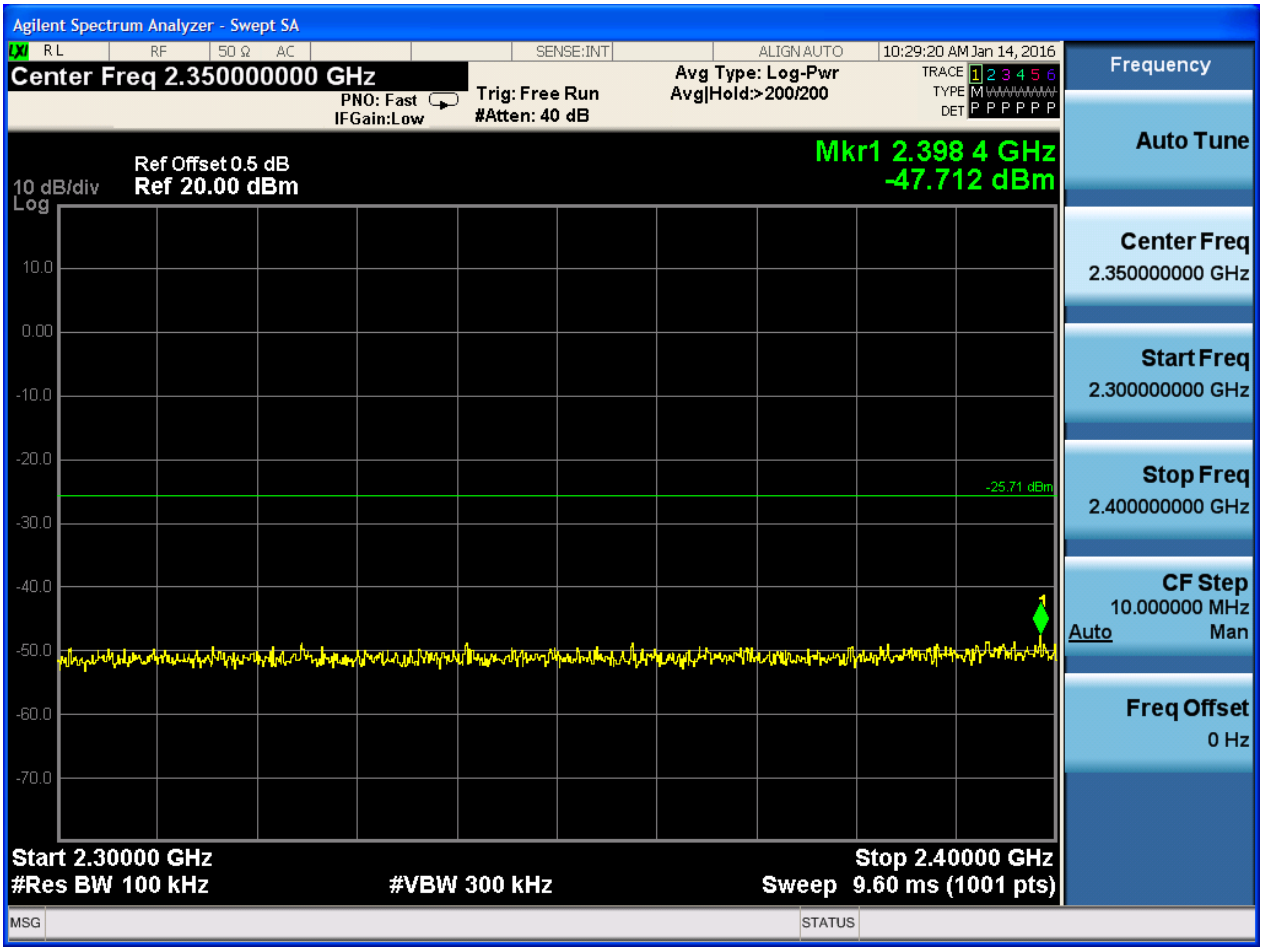

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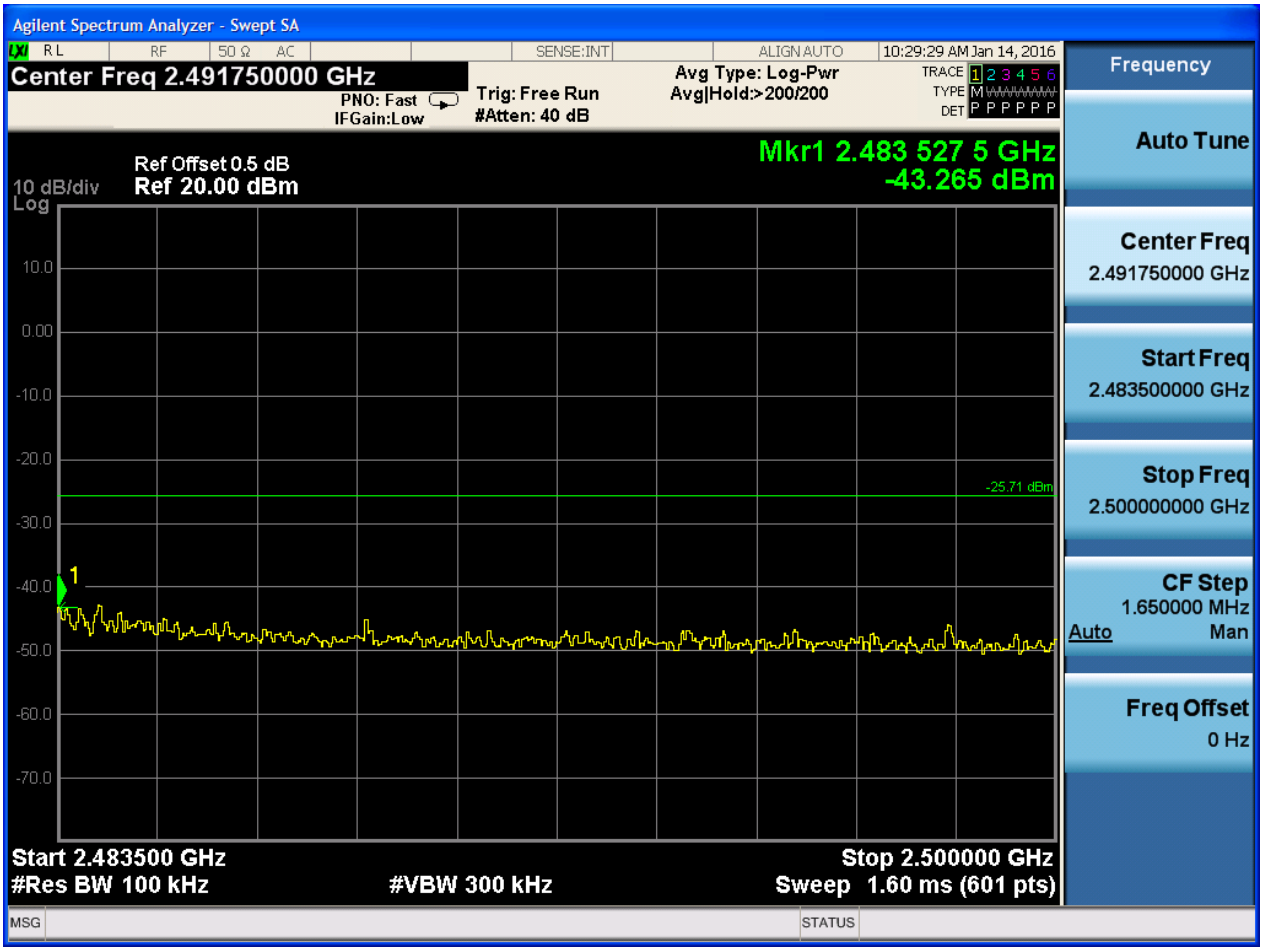

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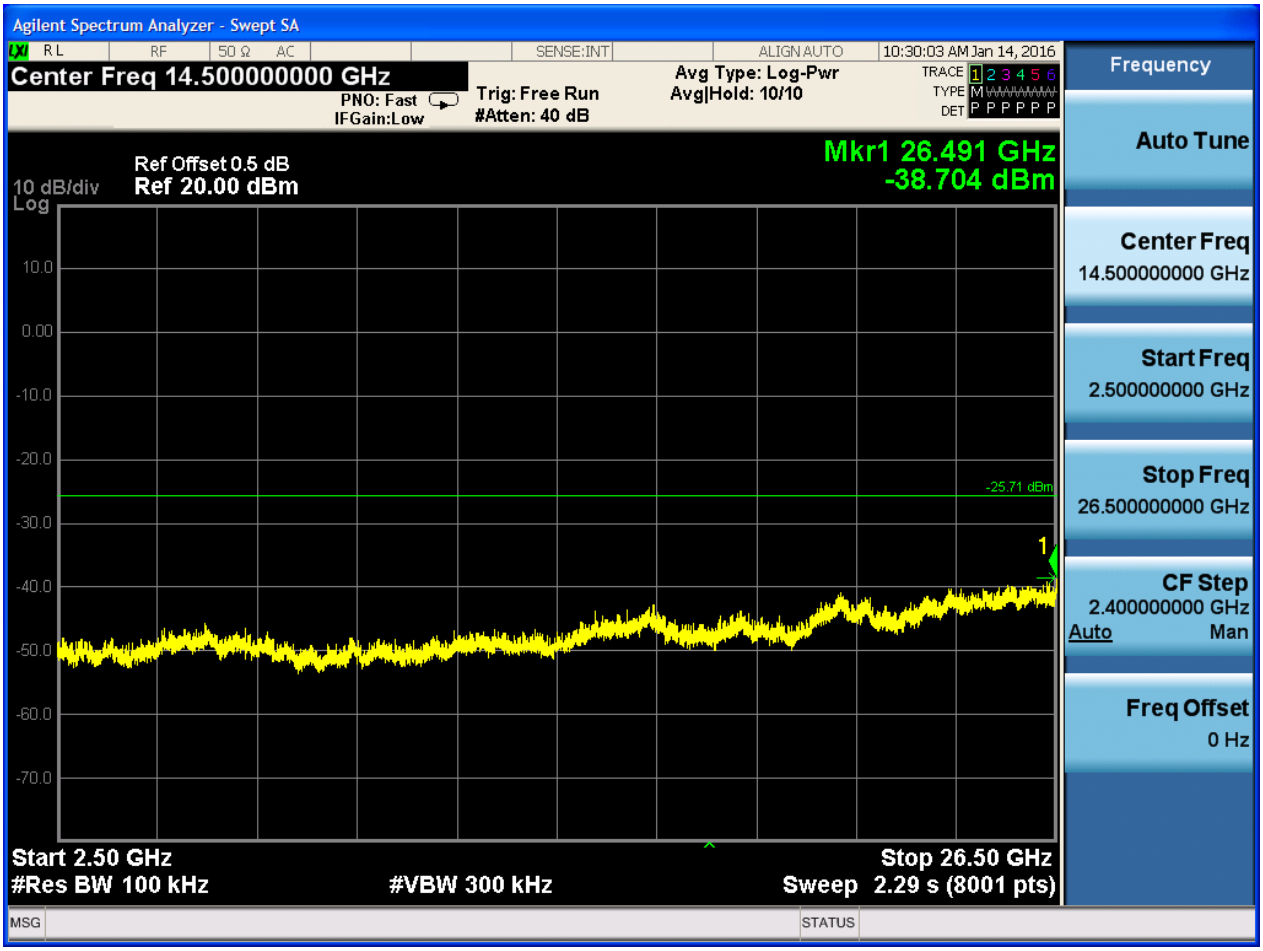

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2.19 11N40_L@Ant 1

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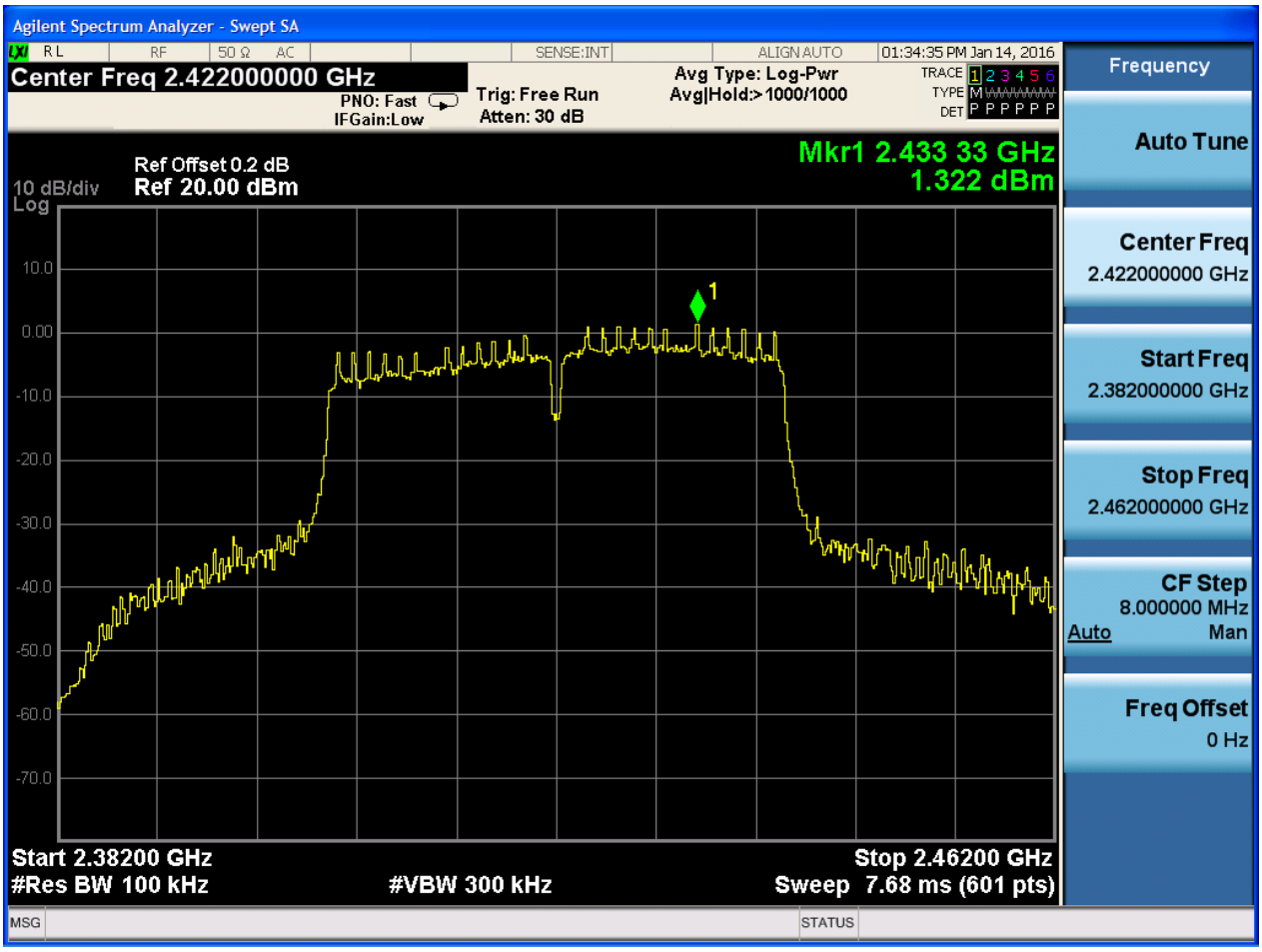

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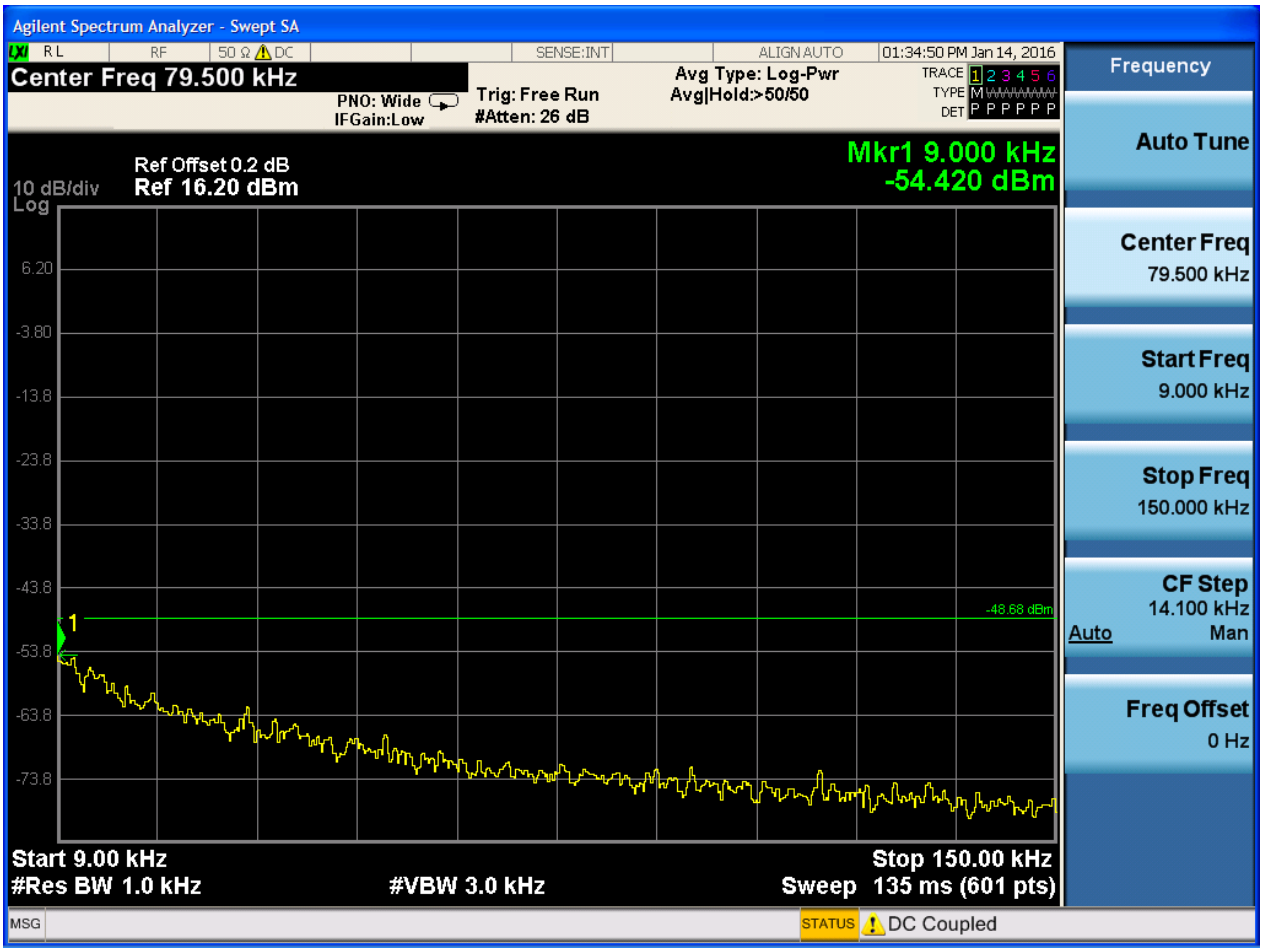
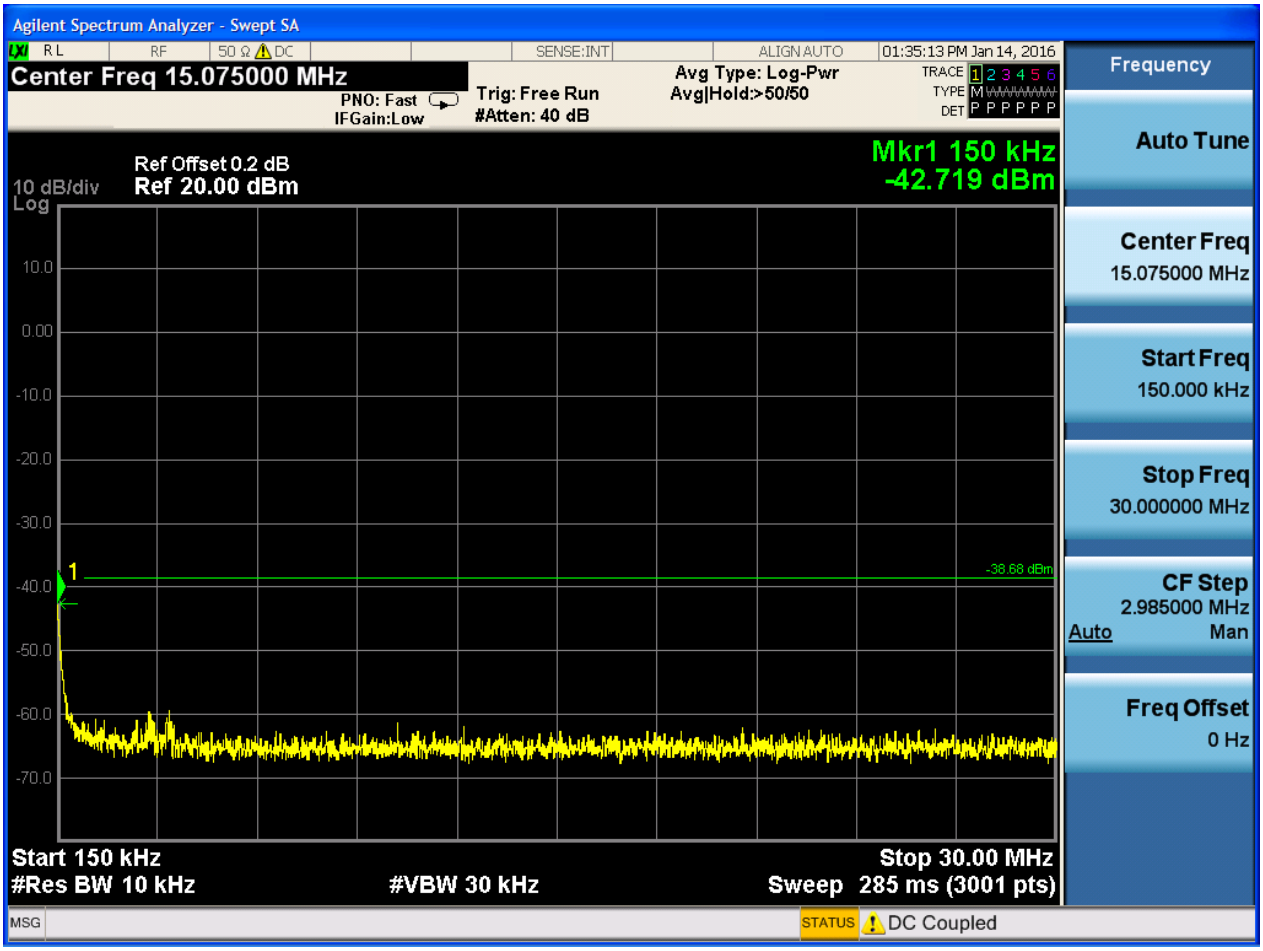

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 26 dB
Avg Type: Log-Pwr
Avg|Hold:>50/50
01:34:50 PM Jan 14, 2016
Ref Offset 0.2 dB
10 dB/div
Ref 16.20 dBm
Log
Mkr1 9.000 kHz
-54.420 dBm
-48.68 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz
Stop 150.00 kHz
Sweep 135 ms (601 pts)
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
Auto
Man
Freq Offset
0 Hz



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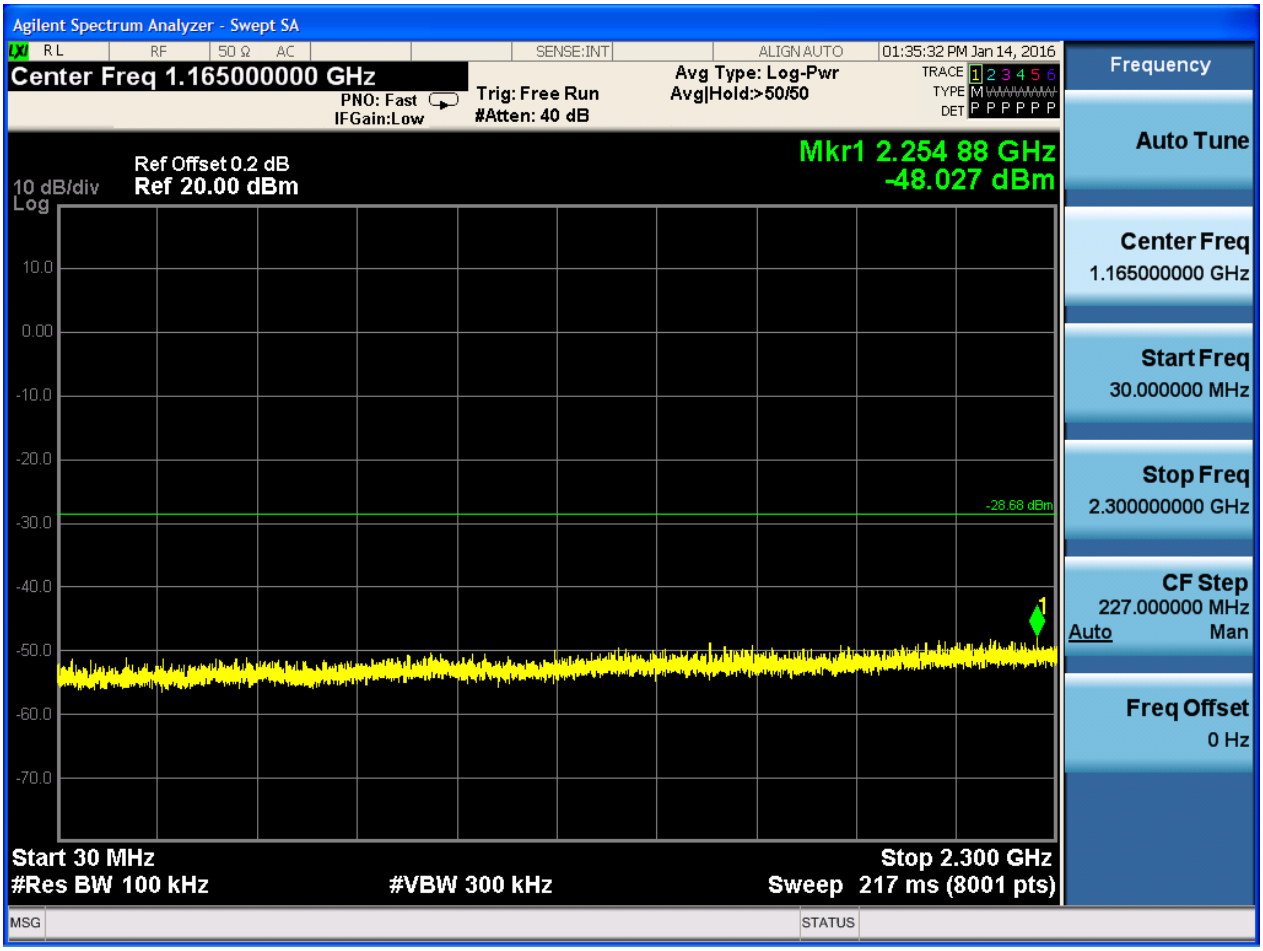

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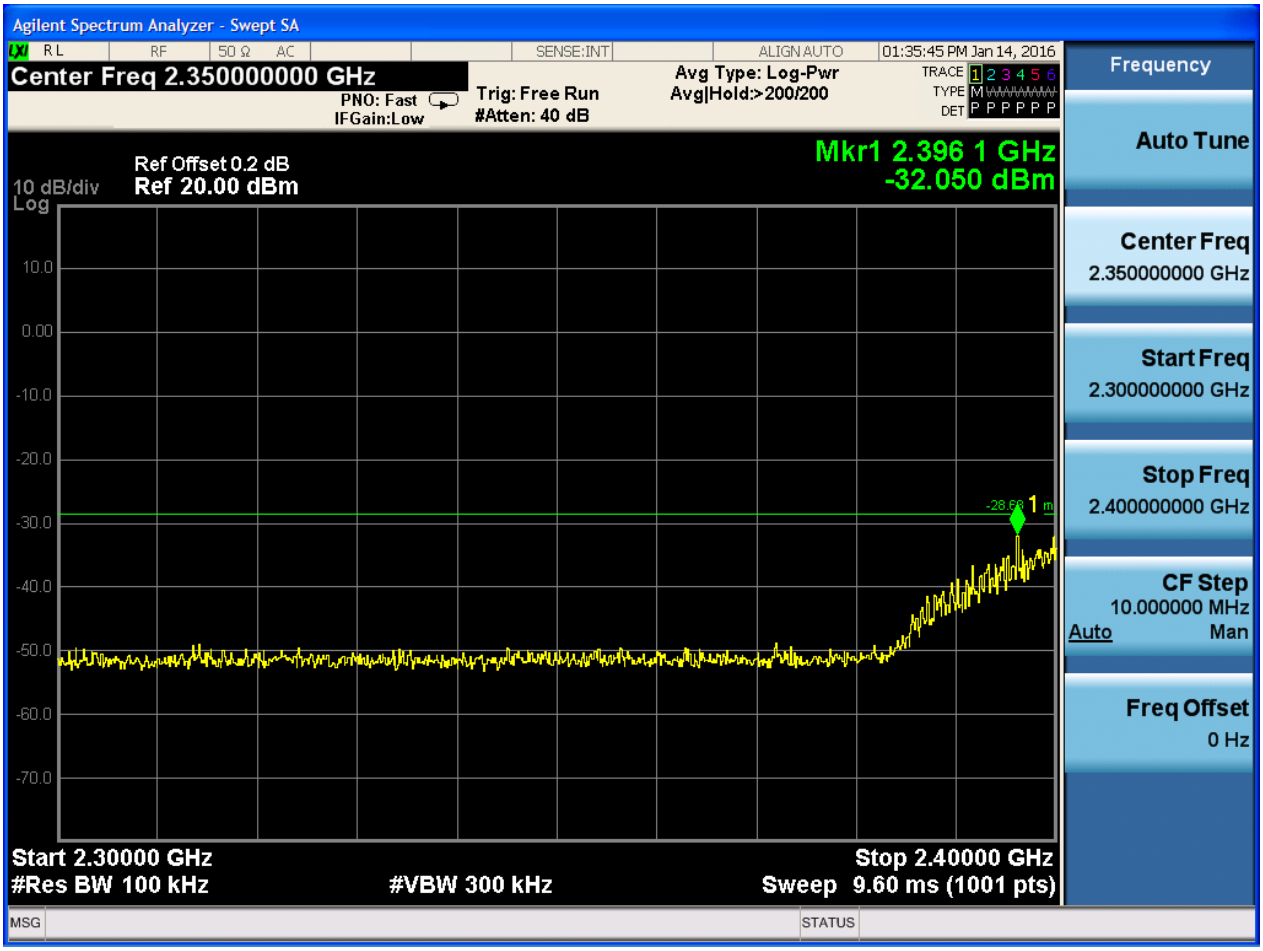

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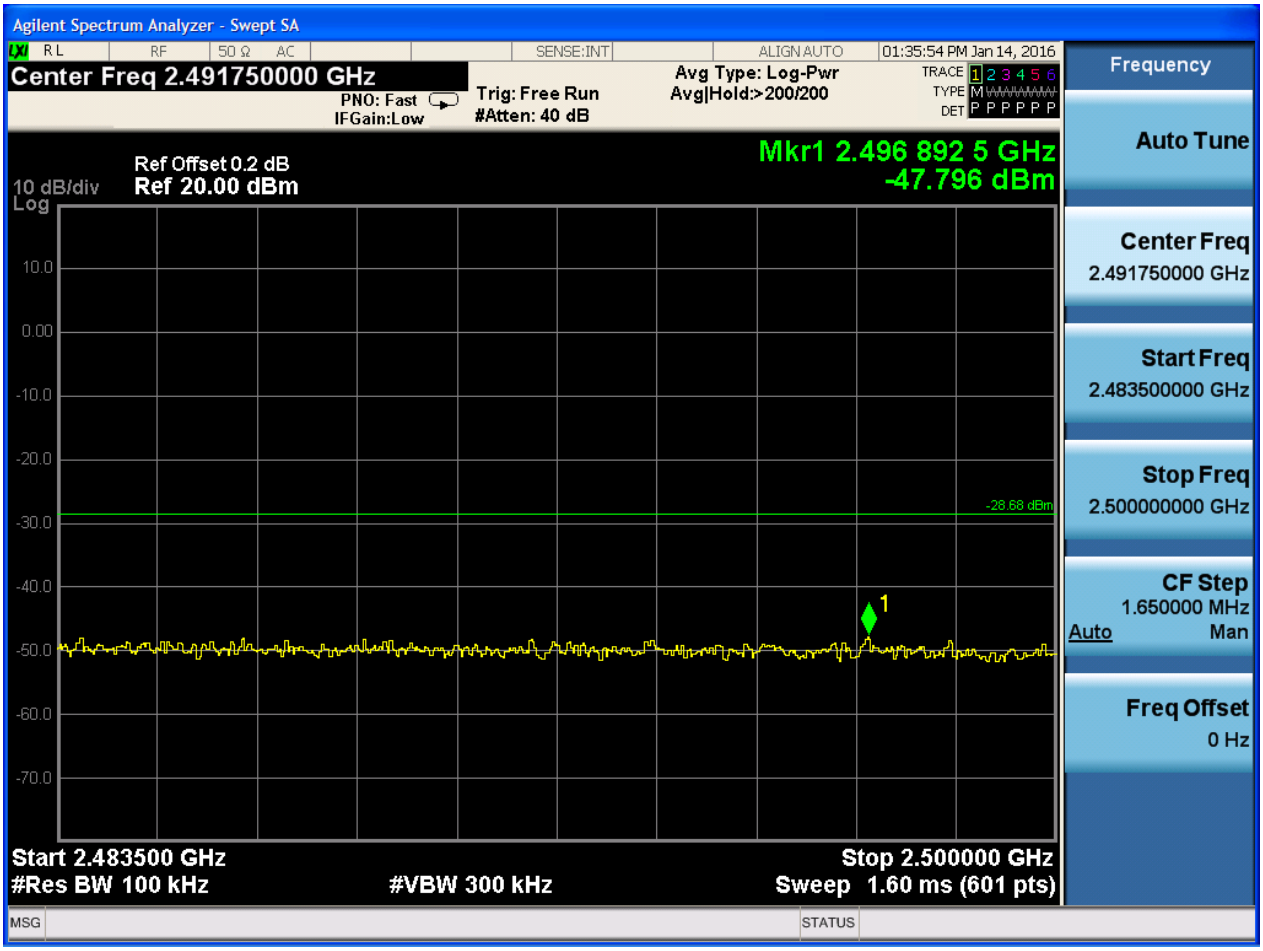

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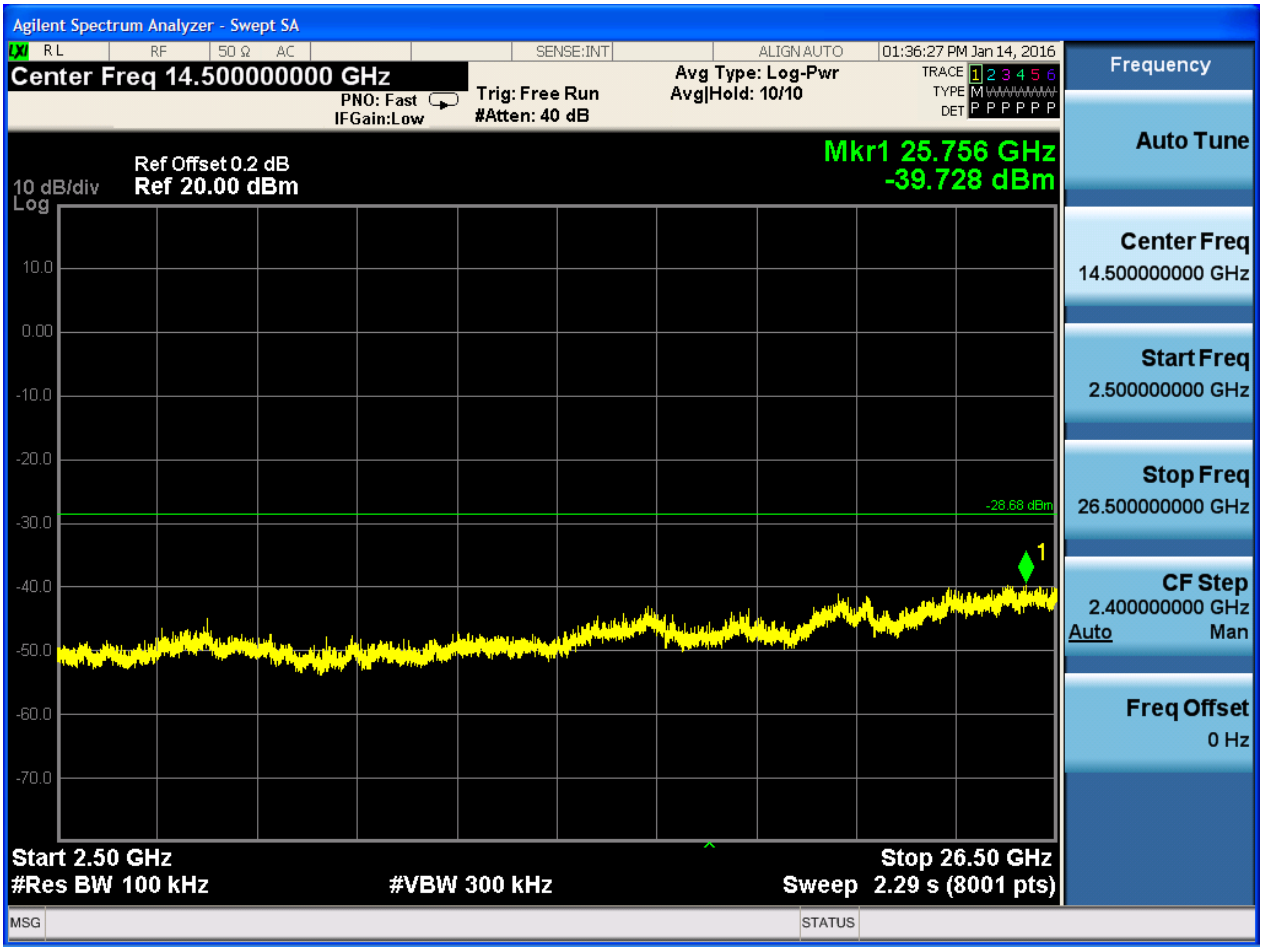

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2.21 11N40_M@Ant 1

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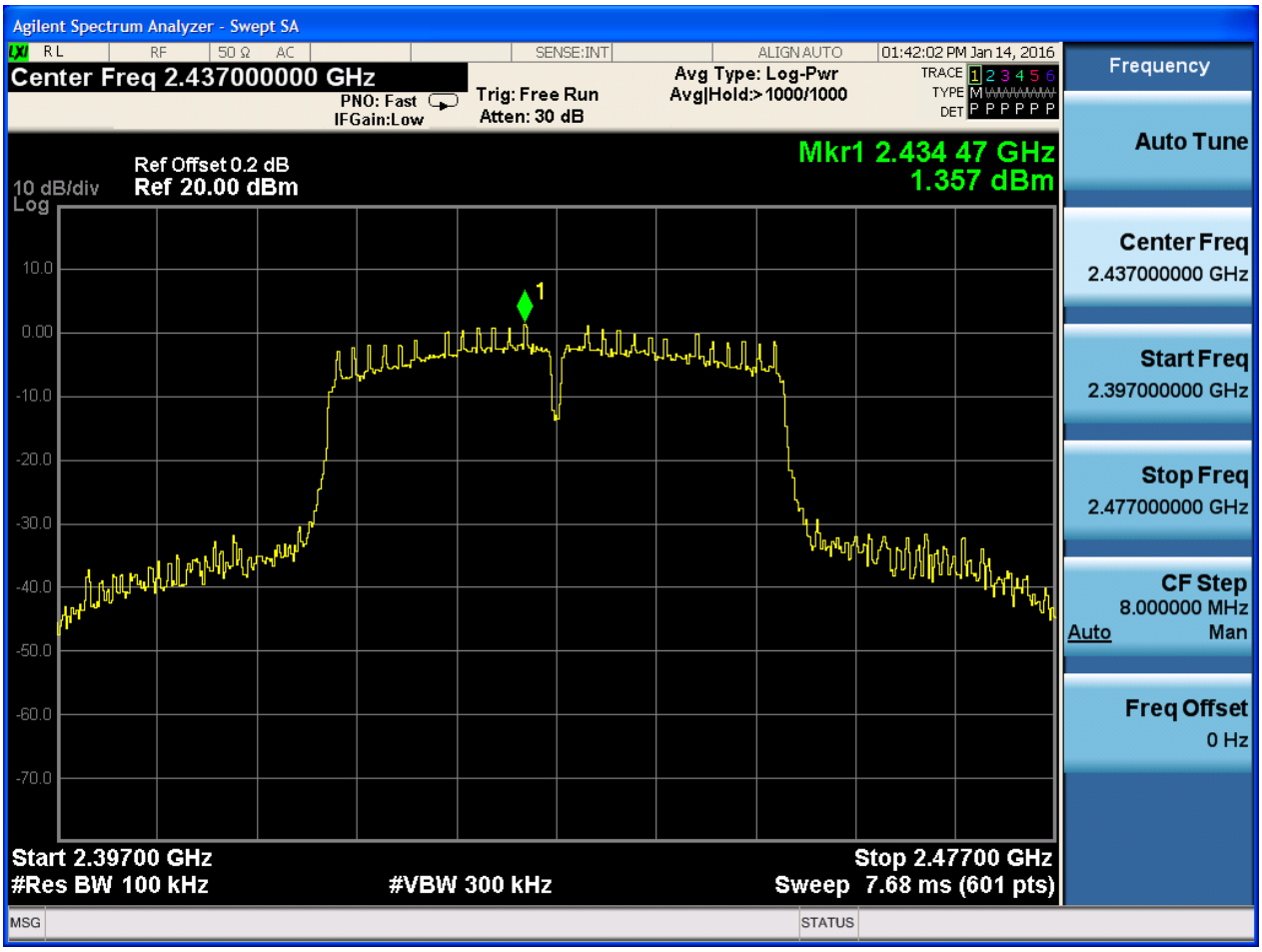

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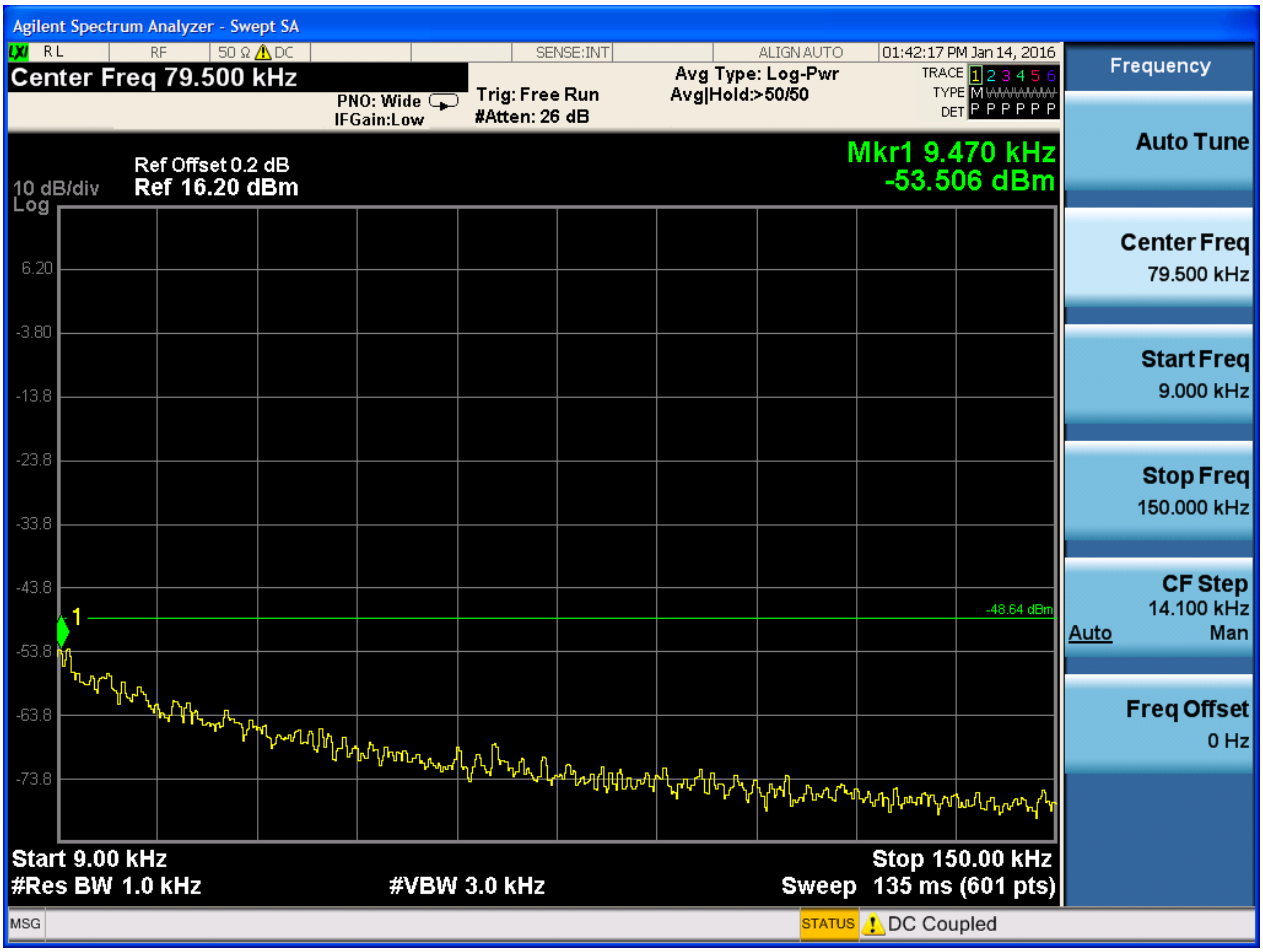

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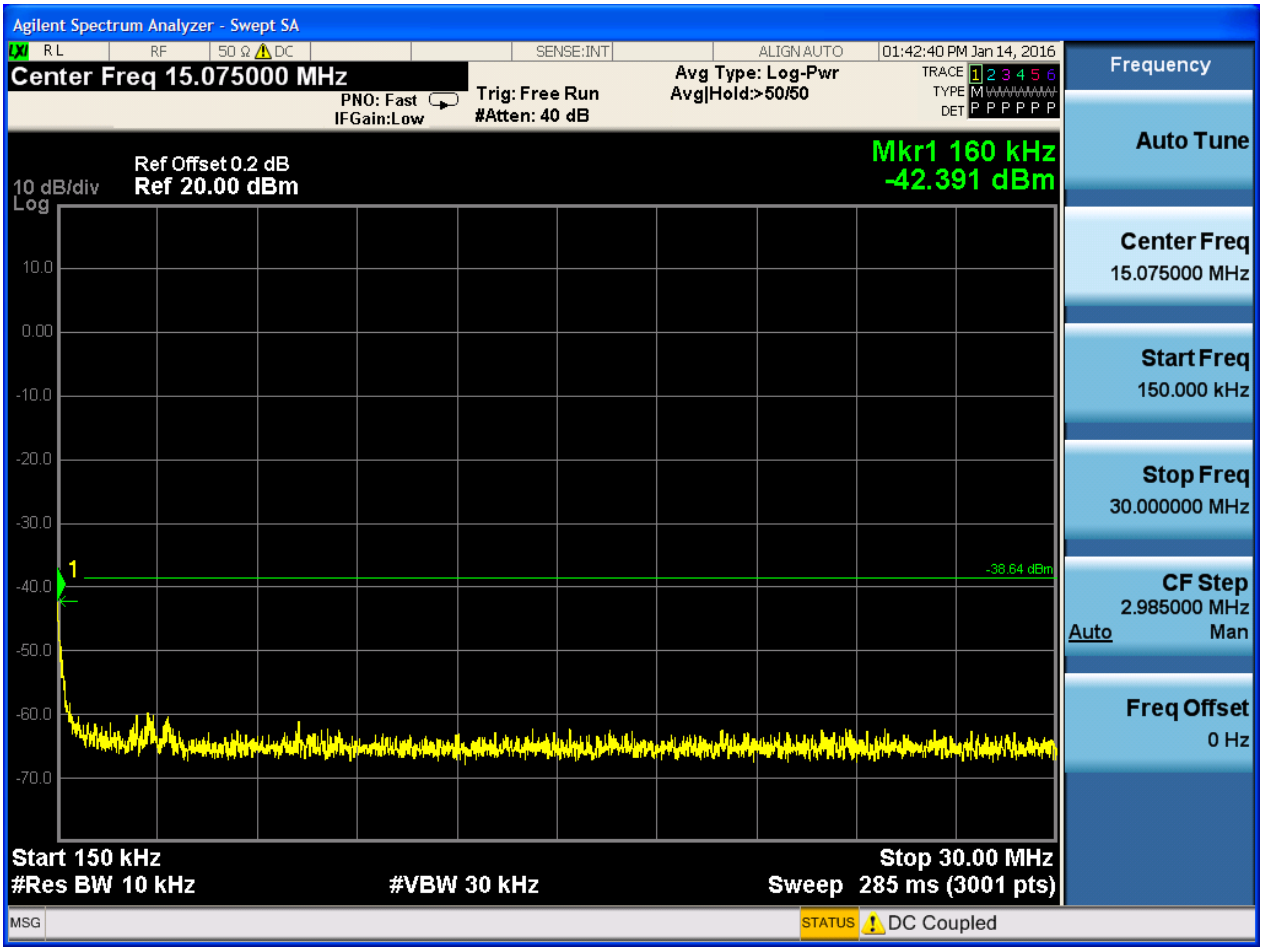

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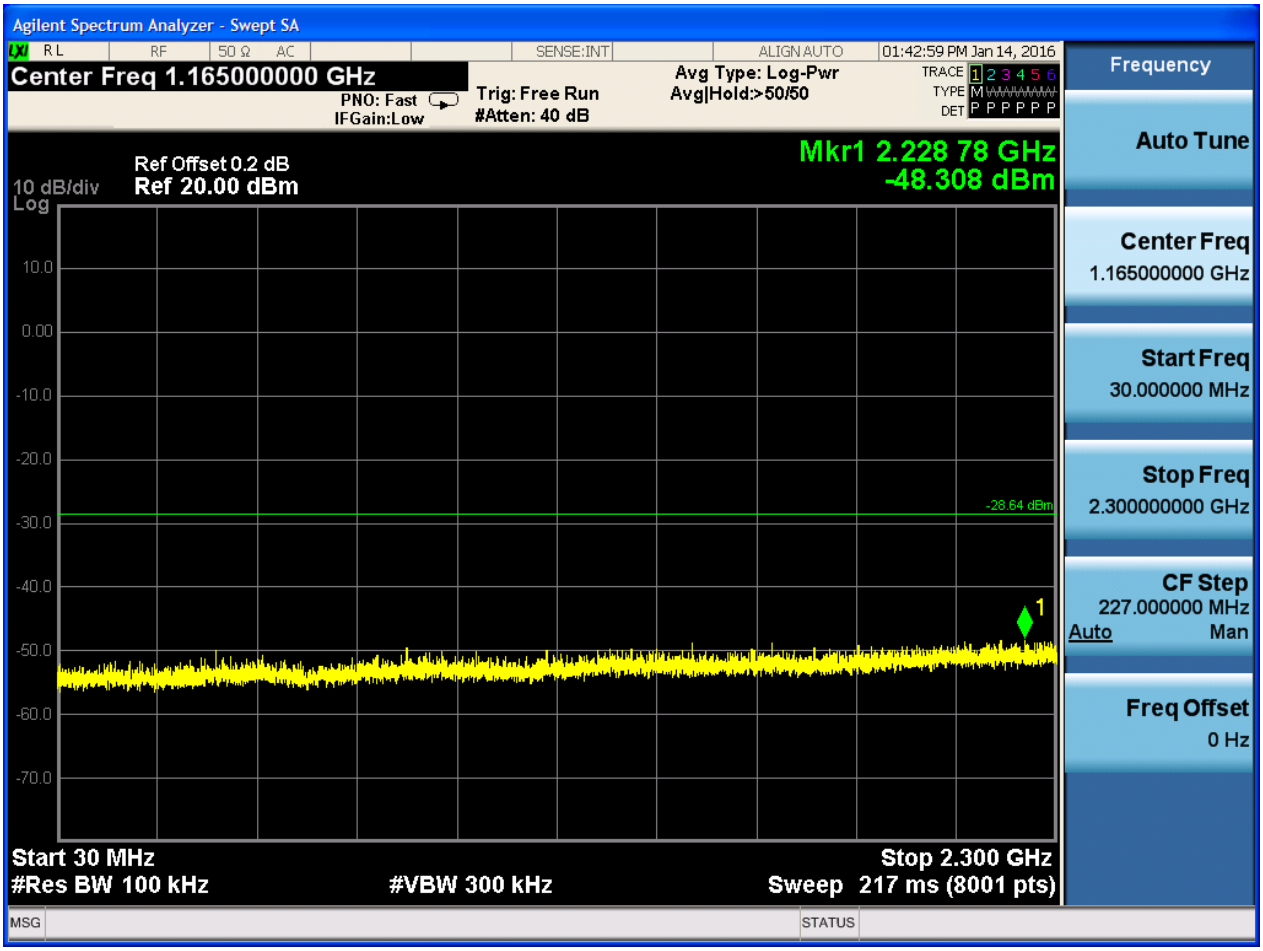

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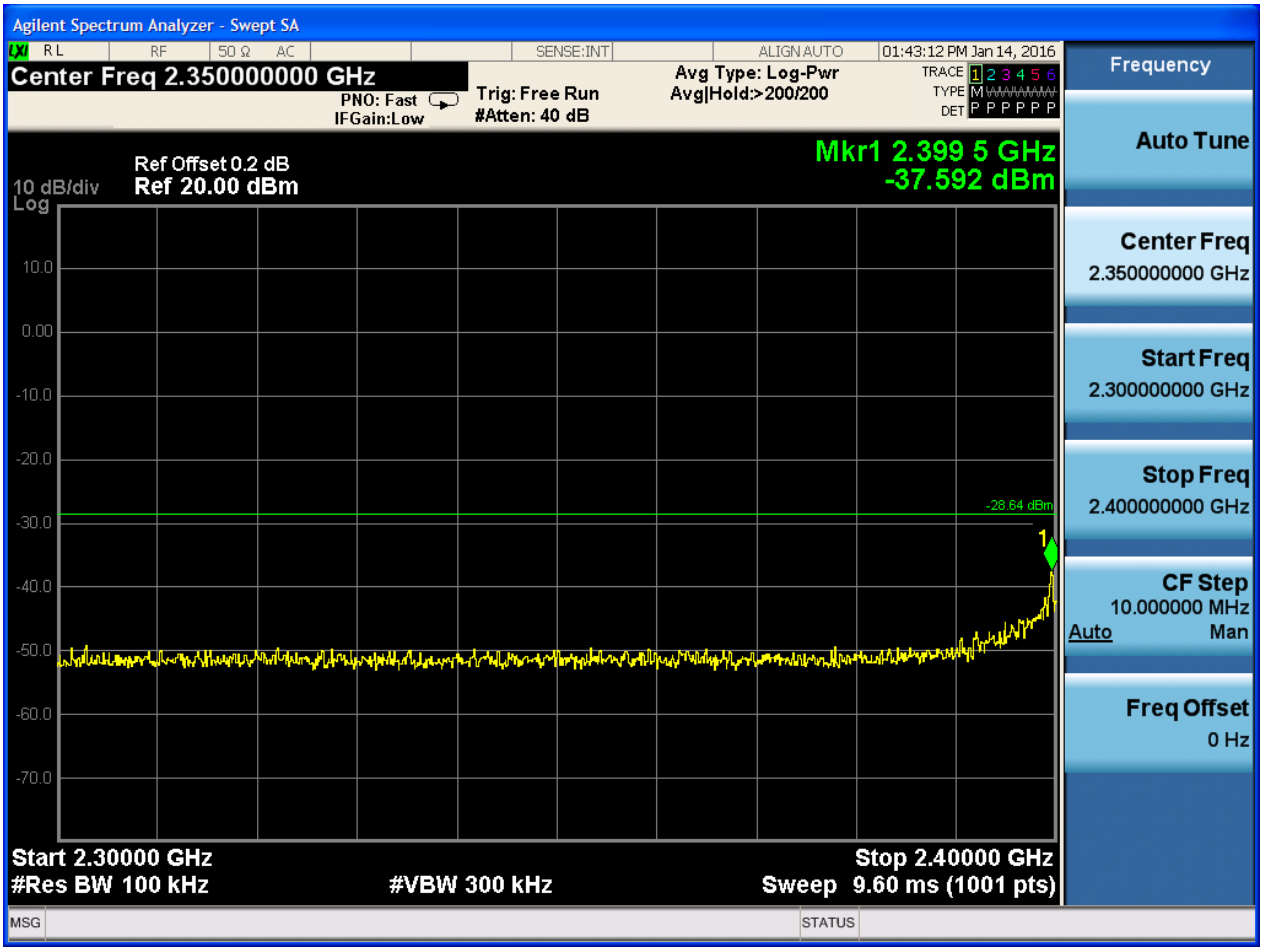

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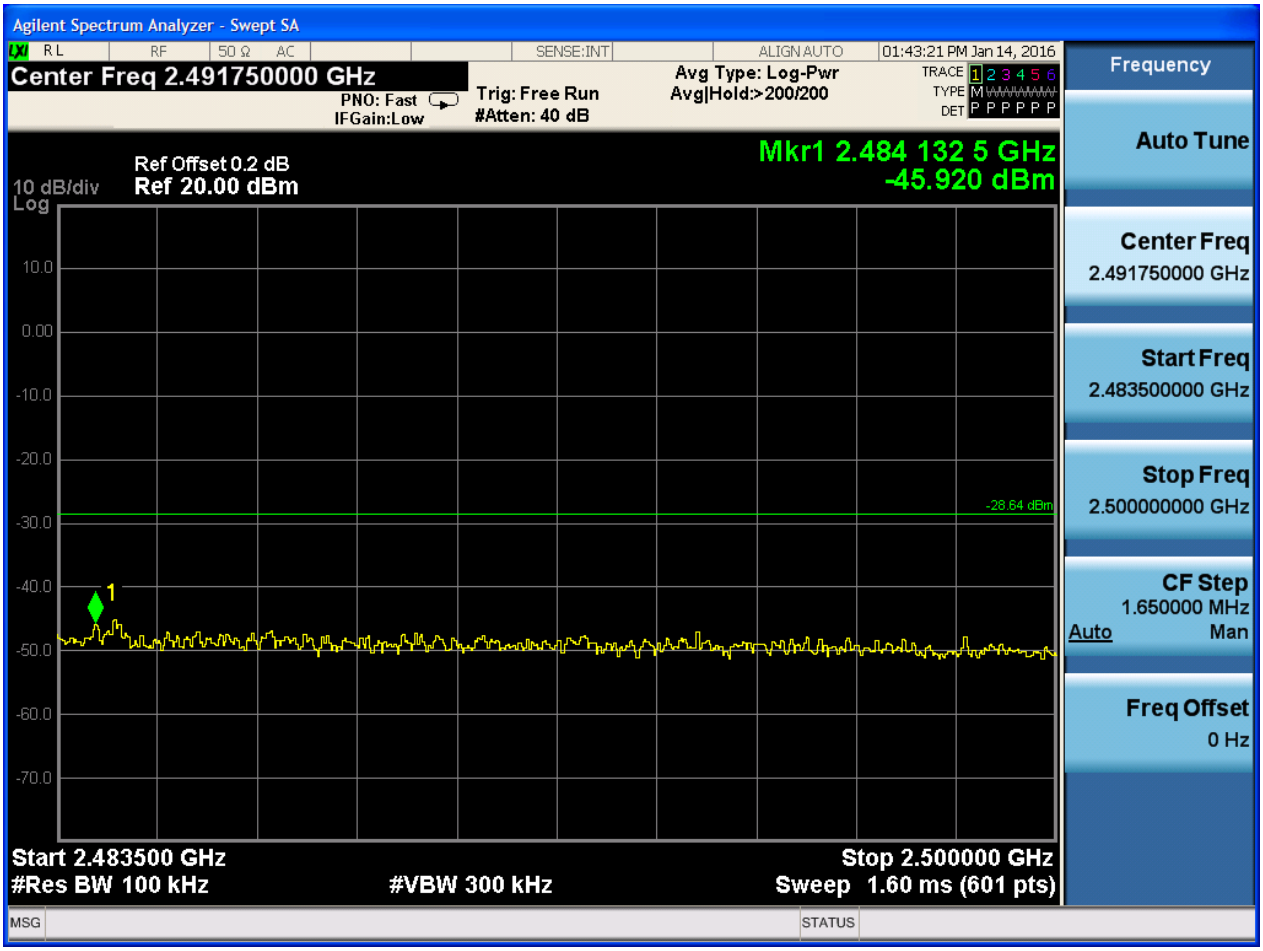

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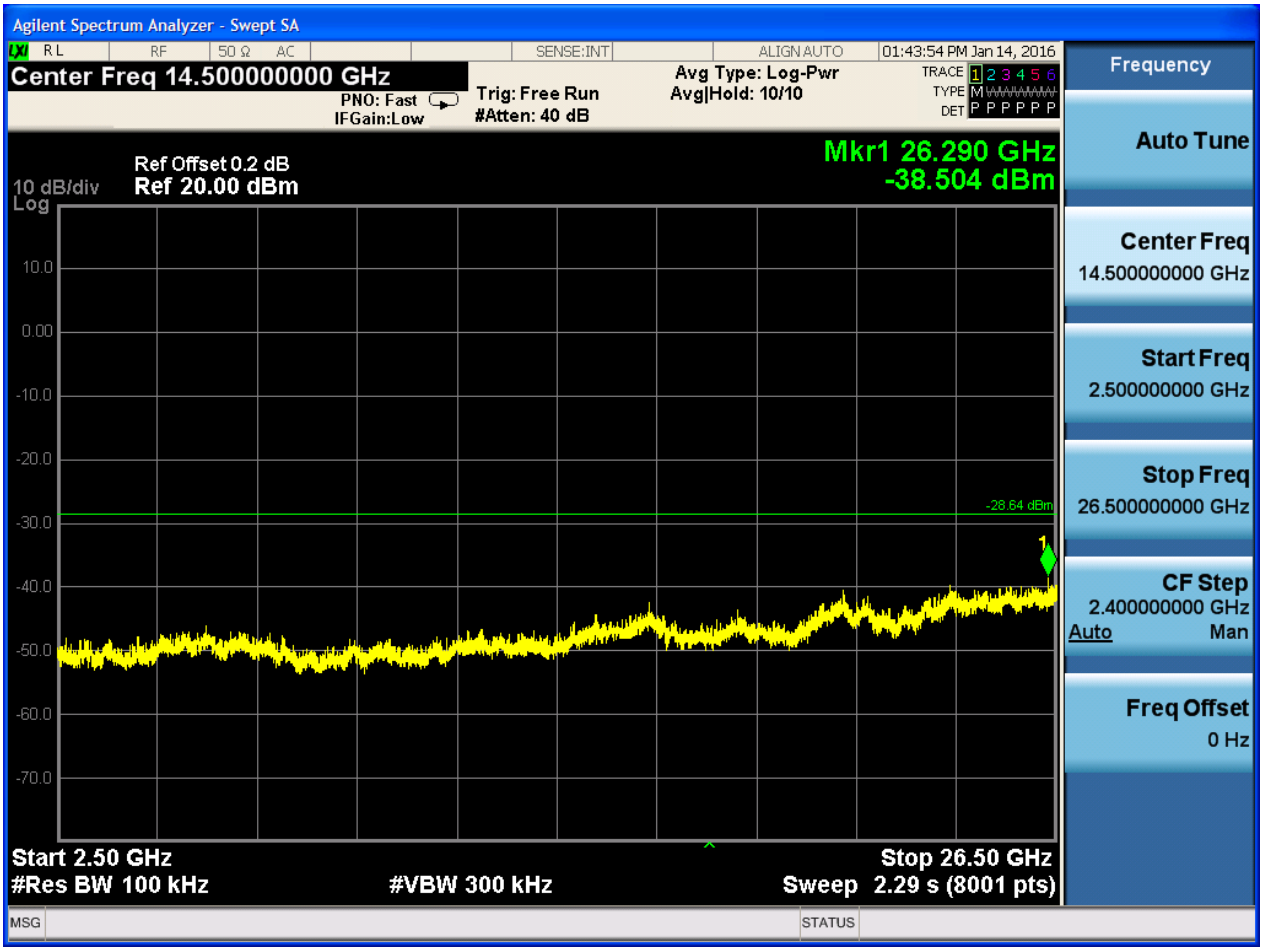

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2.23 11N40_H@Ant 1

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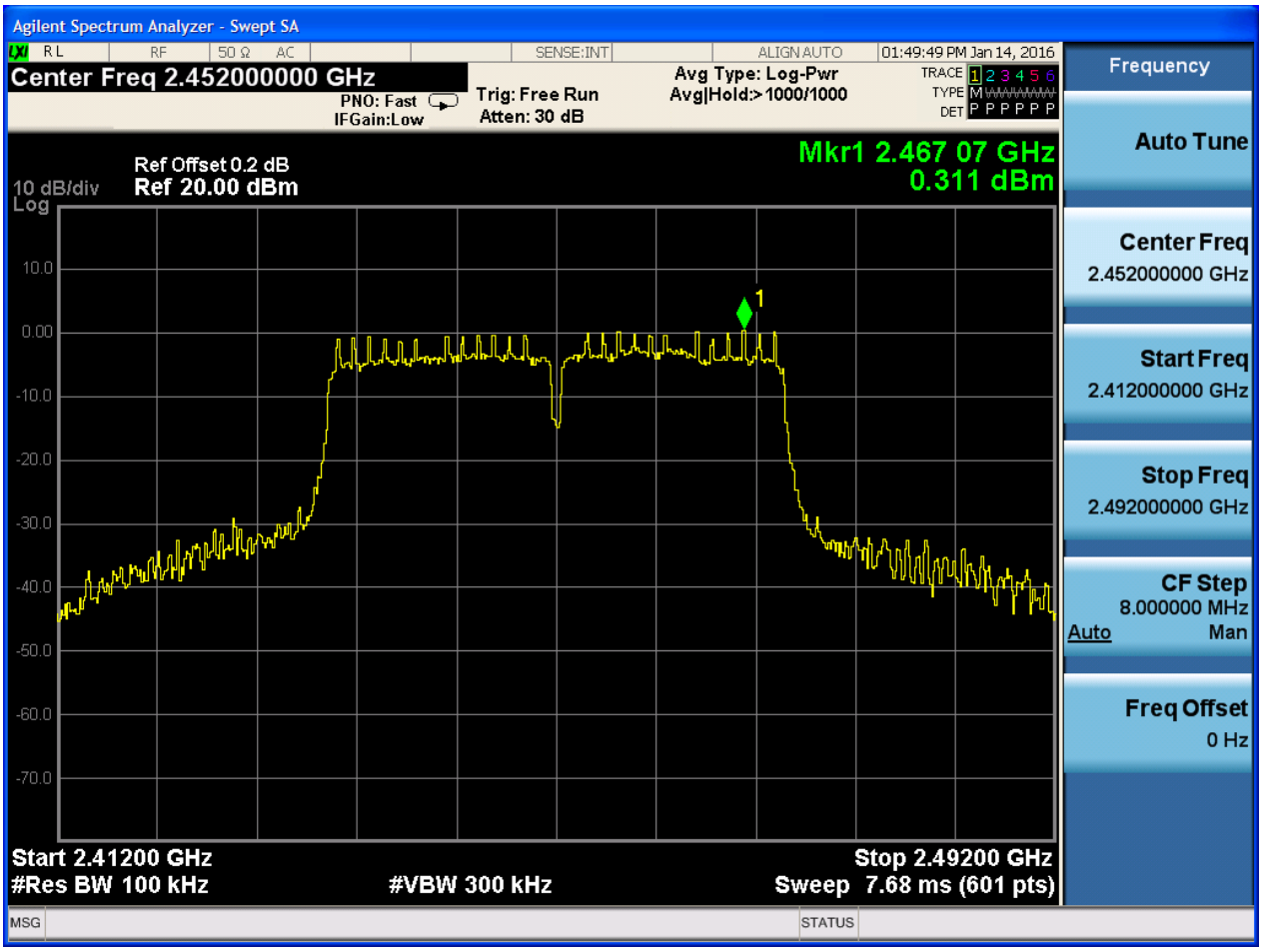

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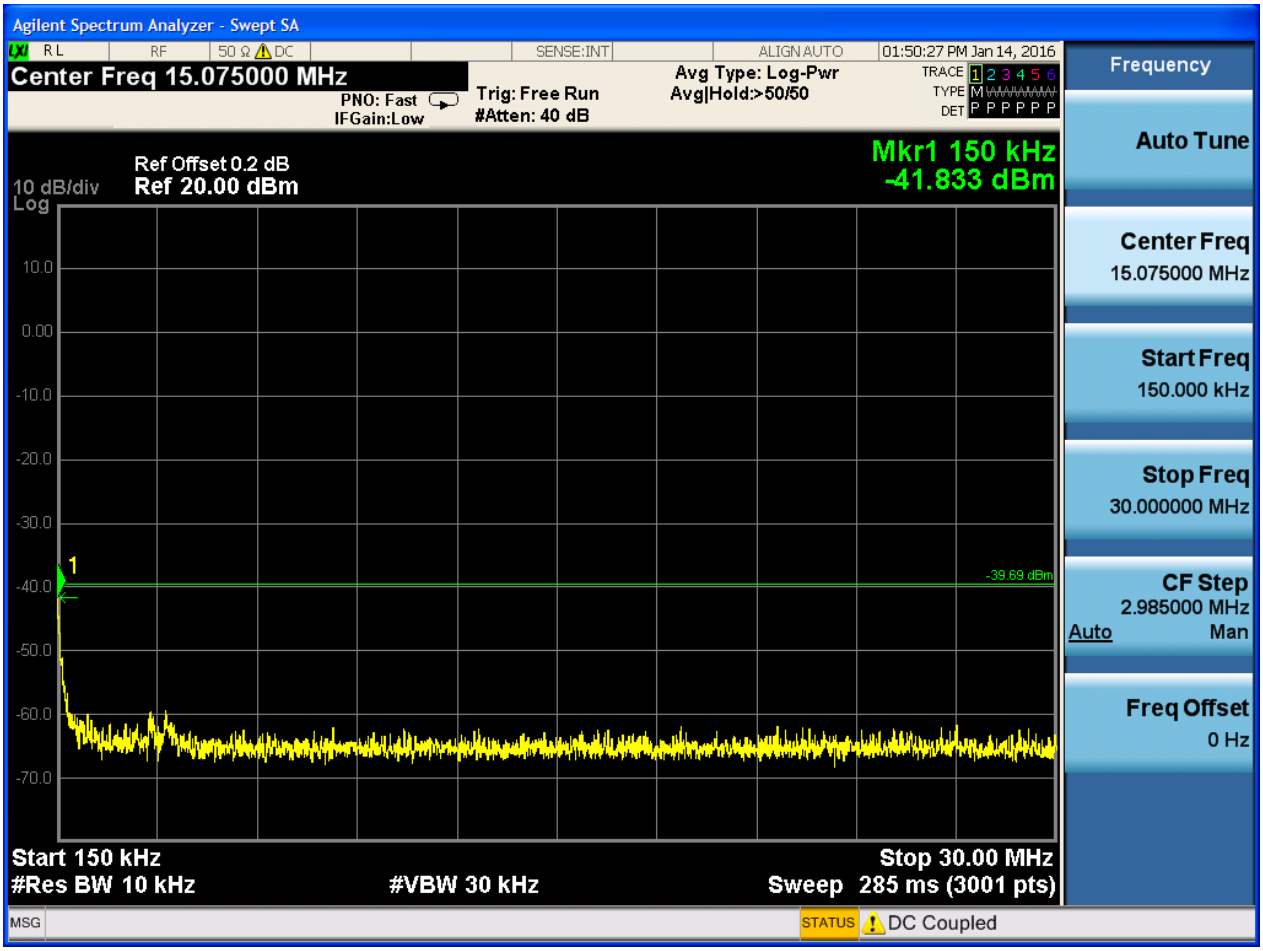
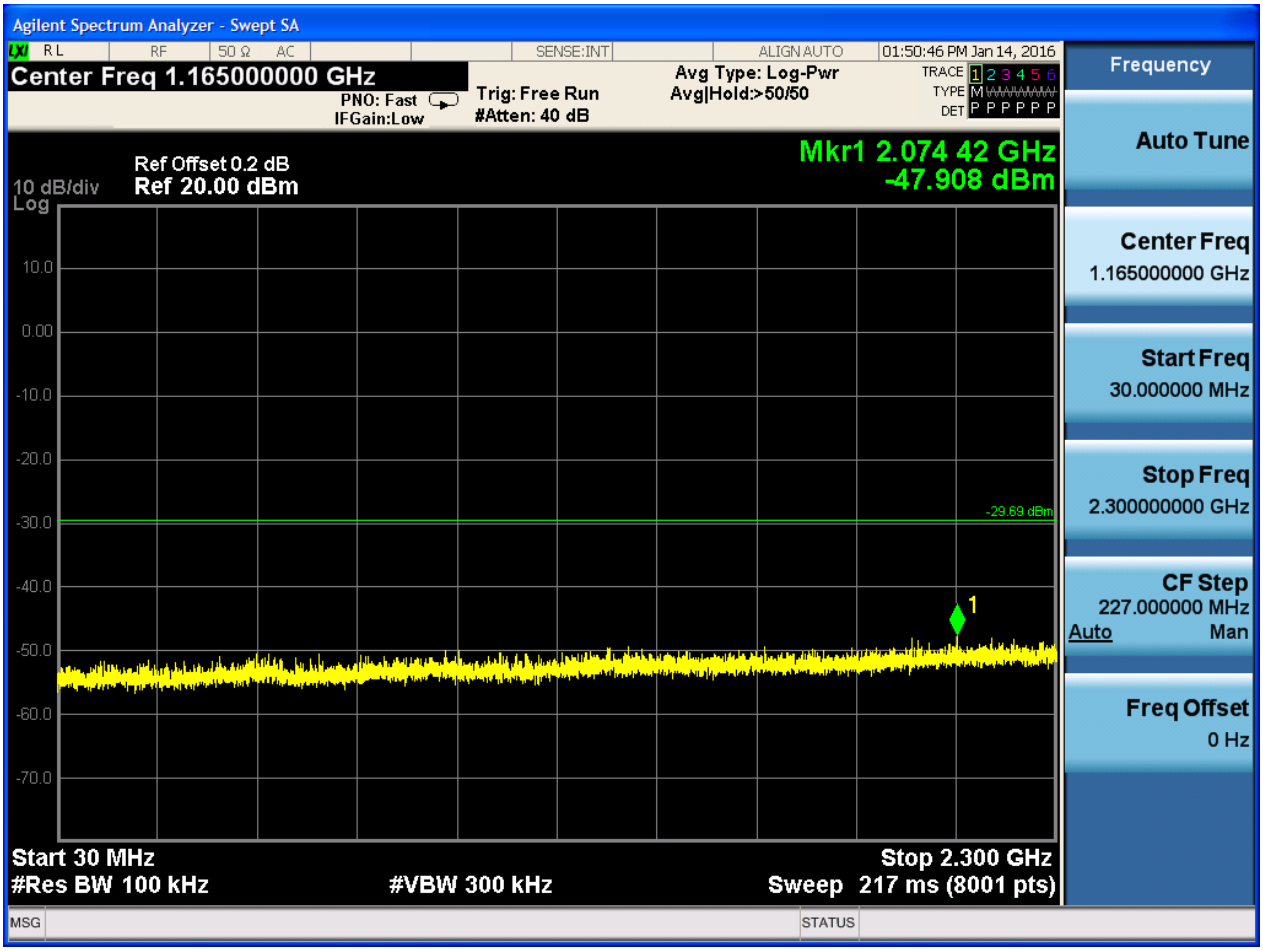

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>50/50
01:50:27 PM Jan 14, 2016
Ref Offset 0.2 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 150 kHz
-41.833 dBm
-39.69 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 ms (3001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz



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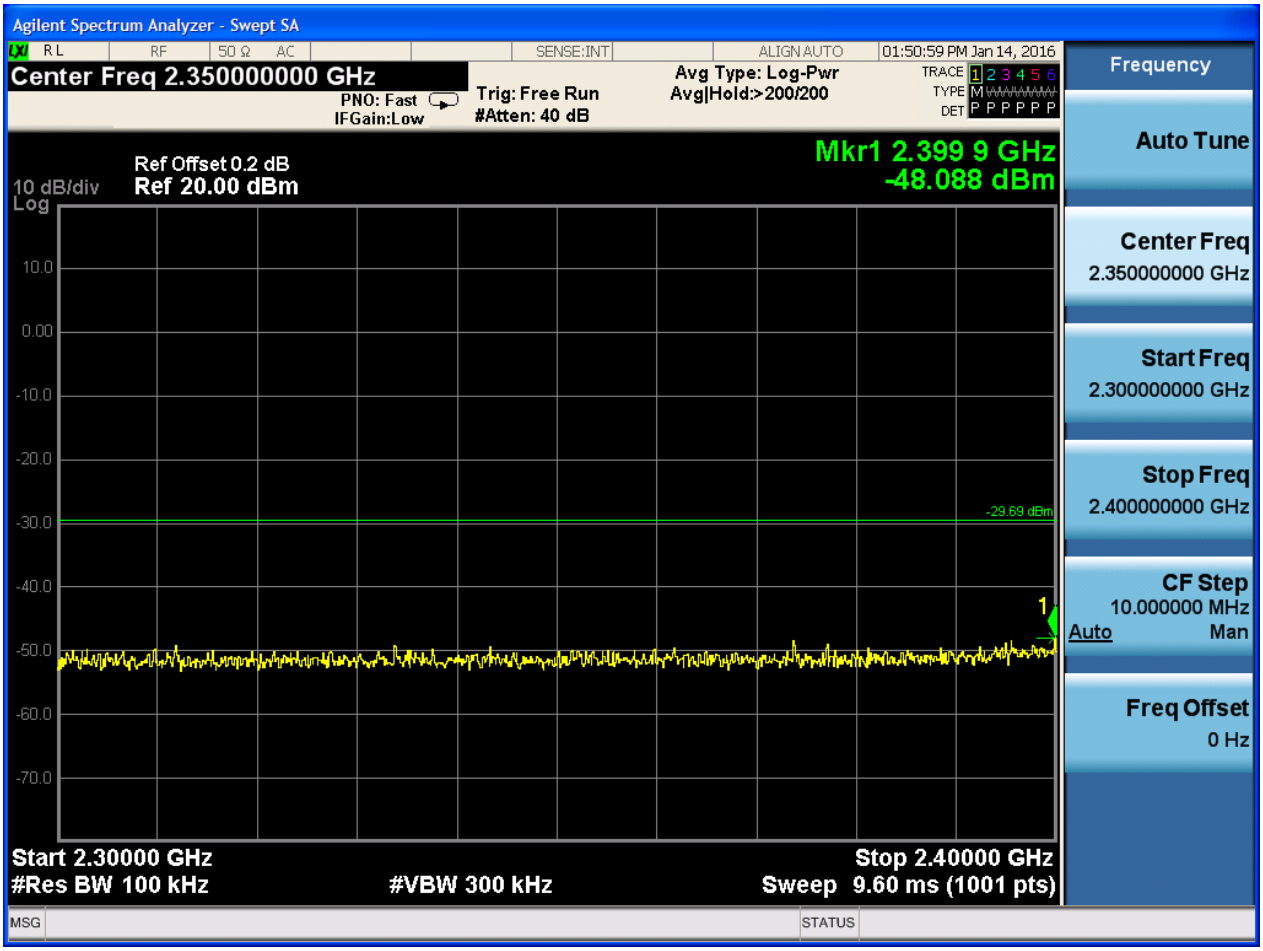

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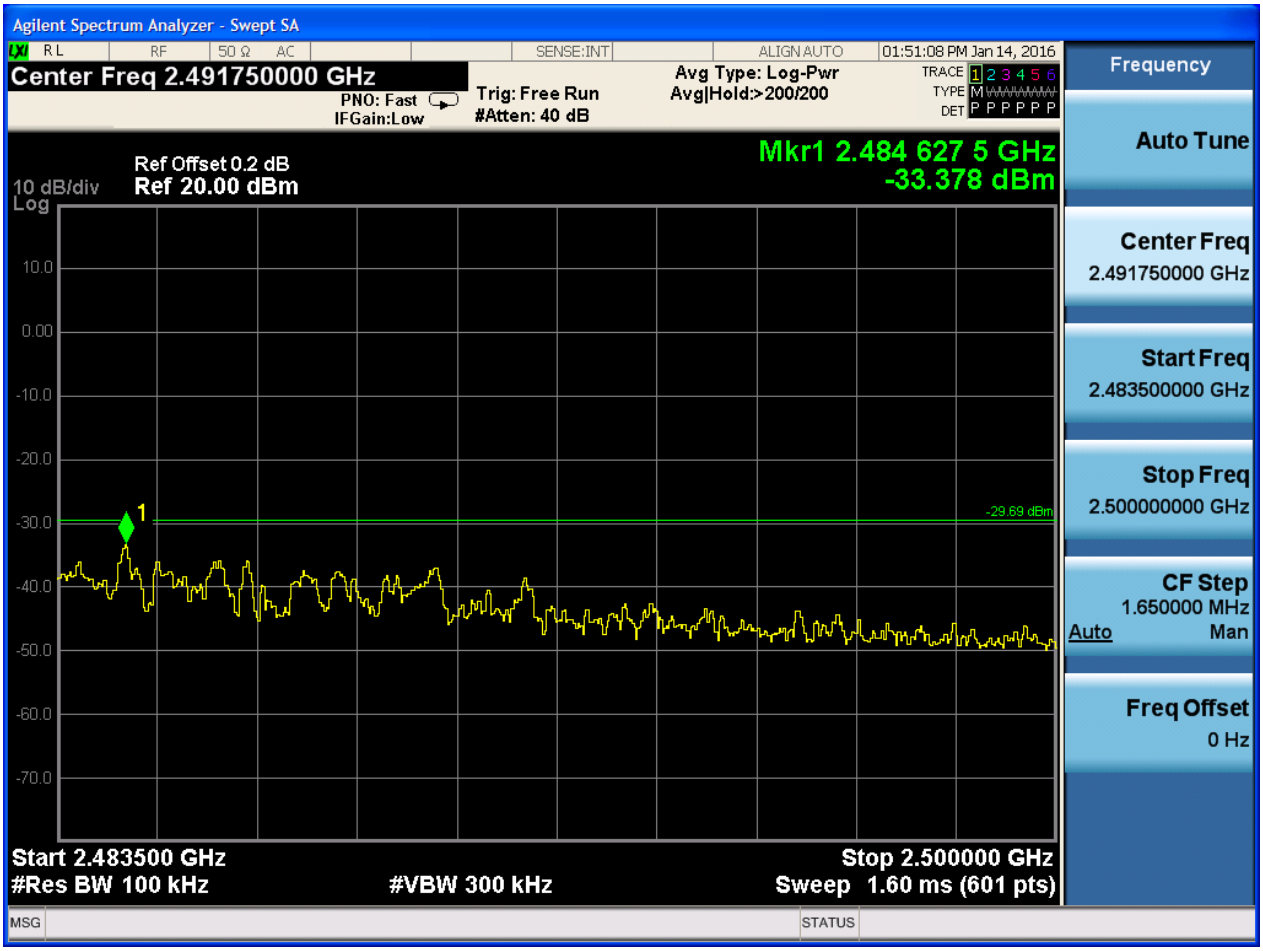
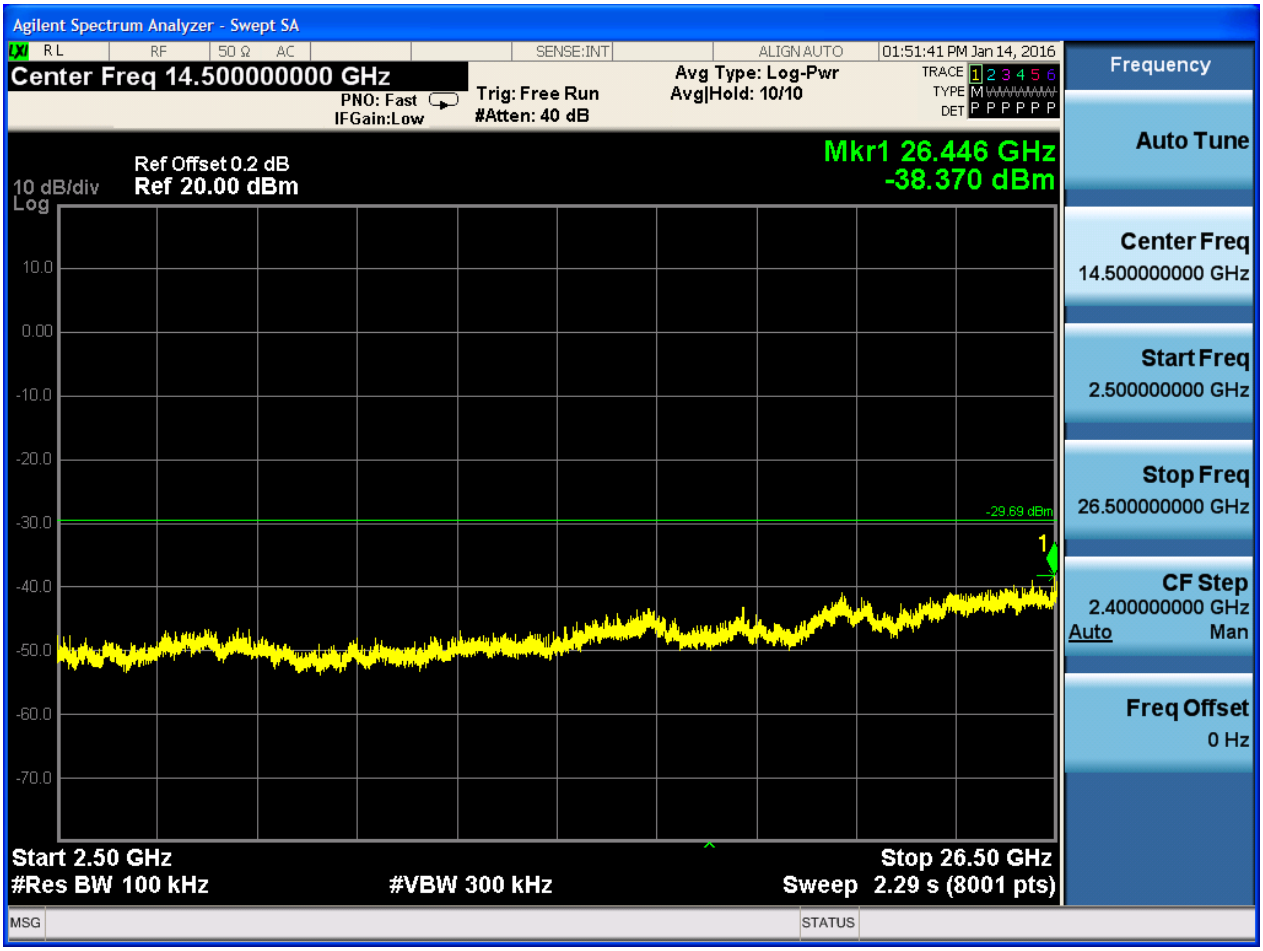

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
01:51:08 PM Jan 14, 2016
Center Freq 2.491750000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Log-Pwr
Avg|Hold:>200/200
TRACE 1 2 3 4 5 6
TYPE M
DET P P P P P P
Ref Offset 0.2 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.484 627 5 GHz
-33.378 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-29.69 dBm
Start 2.483500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.500000 GHz
Sweep 1.60 ms (601 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.491750000 GHz
Start Freq
2.483500000 GHz
Stop Freq
2.500000000 GHz
CF Step
1.650000 MHz
Auto
Man
Freq Offset
0 Hz



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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

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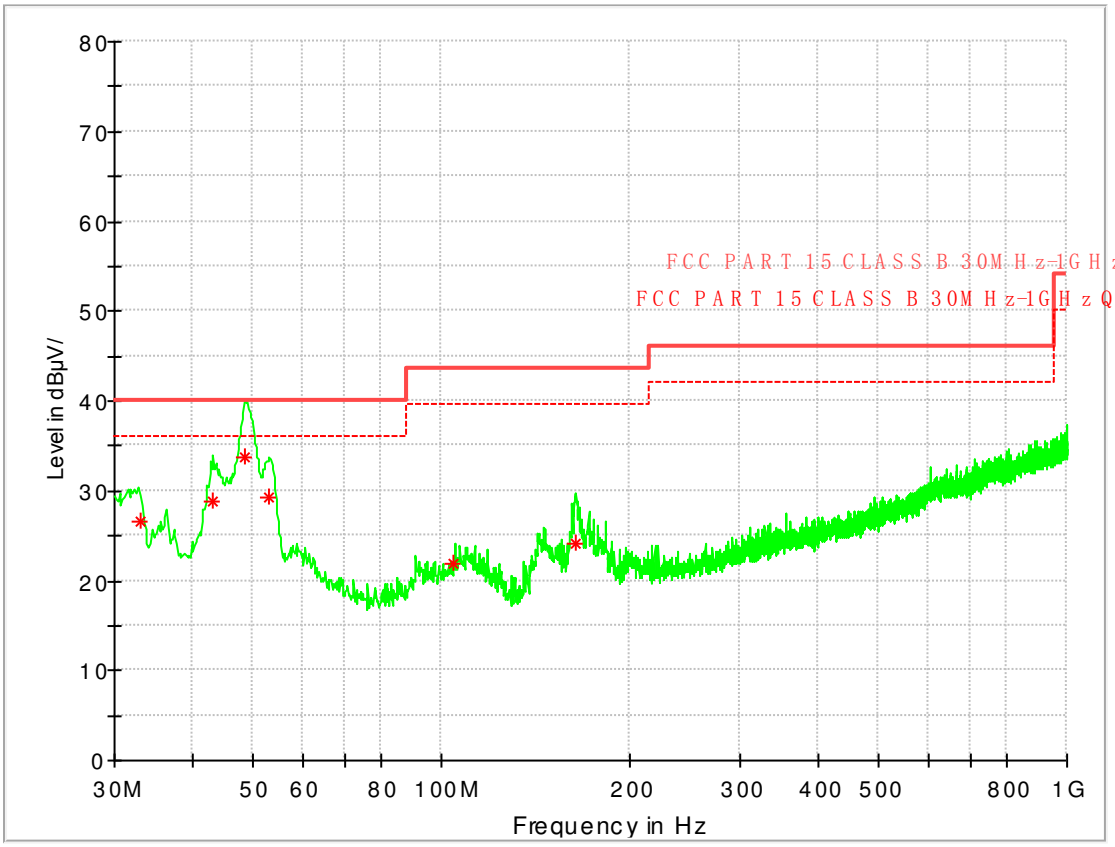
Part 1: Testing Range of "9 kHz to 30MHz"

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

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).**



Frequency (MHz)	QuasiPeak (dBµ V/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµ
32.966320	26.64	137.0	V	228.0	14.8	13.36	40.00
42.950160	28.87	100.0	V	325.0	15.2	11.13	40.00
48.641680	33.71	100.0	V	336.0	15.1	6.29	40.00
52.907120	29.38	100.0	V	285.0	14.9	10.62	40.00
104.79480	21.92	200.0	V	-2.0	13.7	21.58	43.50
163.46496	24.17	100.0	V	278.0	10.6	19.33	43.50

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Part 3: Testing Range of “18 GHz to 26.5 GHz”

NOTE1: No peak found in the Test Range of “18 GHz to 26.5GHz”

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Part 4: Testing Range of "1 GHz to 3 GHz"

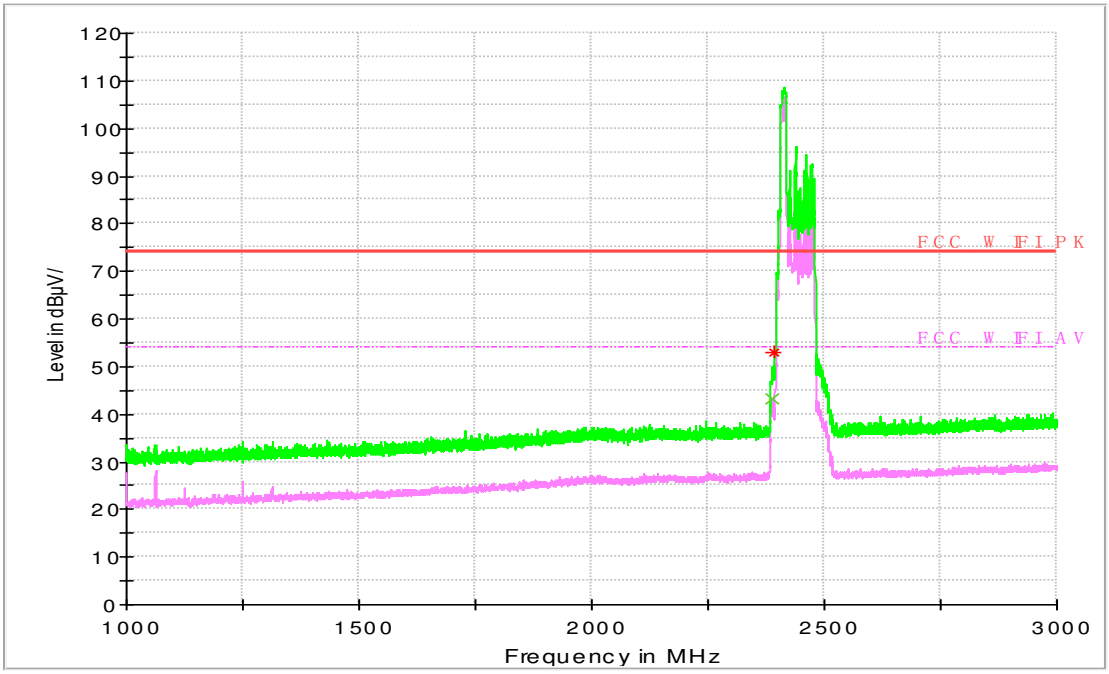
Note 1: The testing range of "1 GHz to 3 GHz" is for checking radiated emissions located in restricted bands near the EUT operating bands.

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: 11b

Channel 1



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK/ AV Detector

Frequency (MHz)	MaxPeak (dBμ V/m)	Average (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.00000	---	43.26	54.00	-10.74	100.0	H	292.0	-8.3
2390.00000	52.84	---	74.00	-21.16	100.0	H	297.0	-7.7

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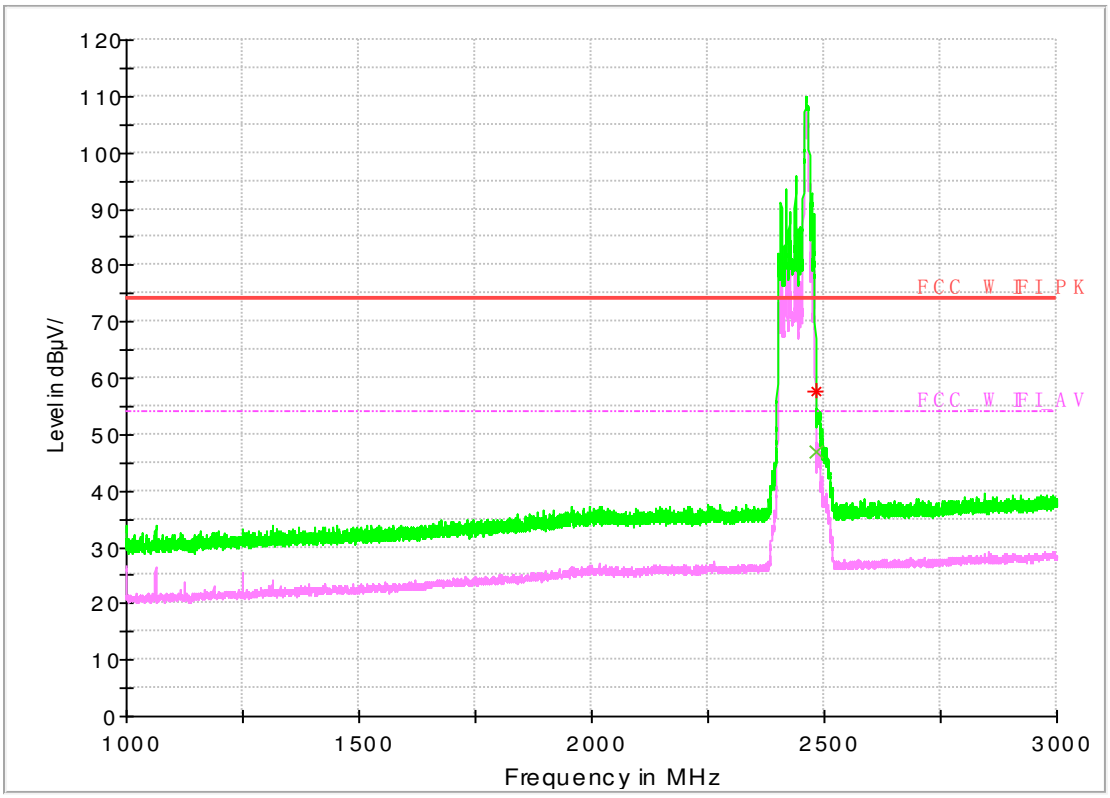
Channel 11



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK/ AV Detector

Frequency (MHz)	MaxPeak (dBµ V/m)	Average (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	57.77	---	74.00	-16.23	100.0	H	294.0	-1.9
2483.500000	---	47.08	54.00	-6.92	100.0	H	293.0	-2.1

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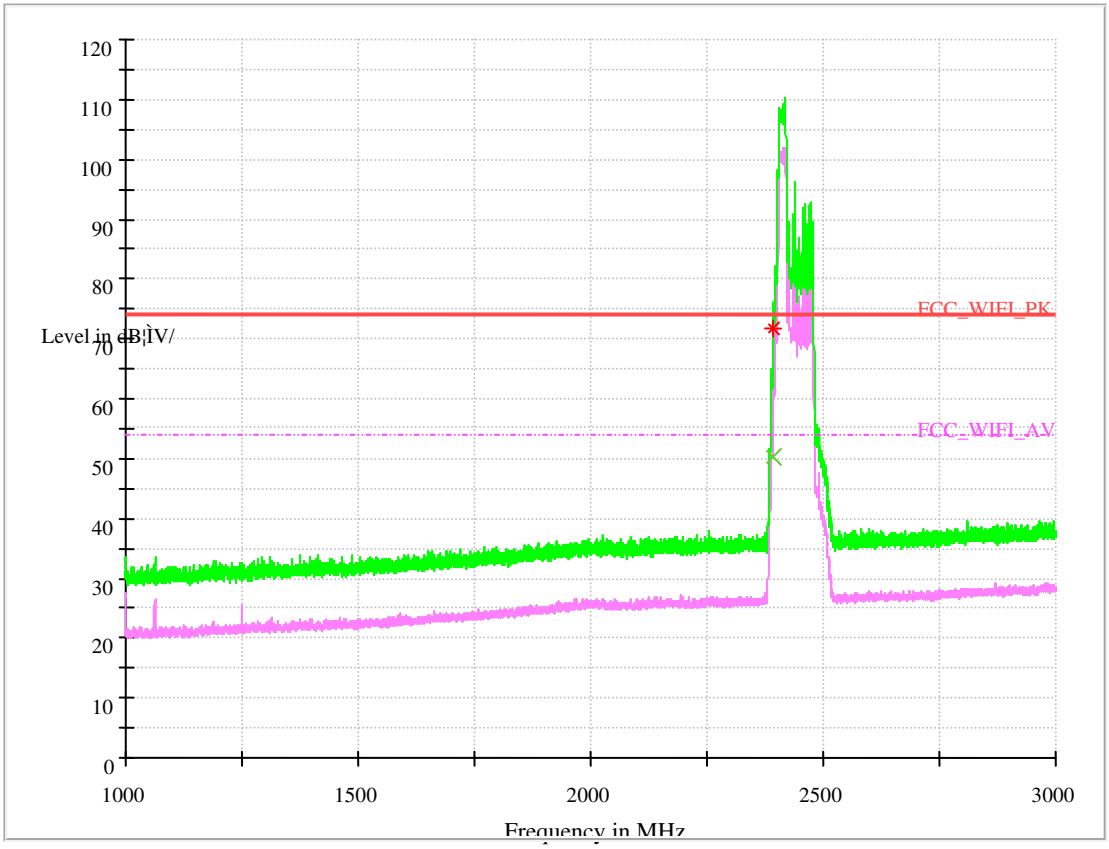
Test Mode: 11g

Channel 1



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK/ AV Detector

Frequency (MHz)	MaxPeak (dBµ V/m)	Average (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	69.77	---	74.00	-4.23	100.0	H	-9.0	-7.5
2390.000000	---	49.22	54.00	-4.78	100.0	H	-5.0	-7.4

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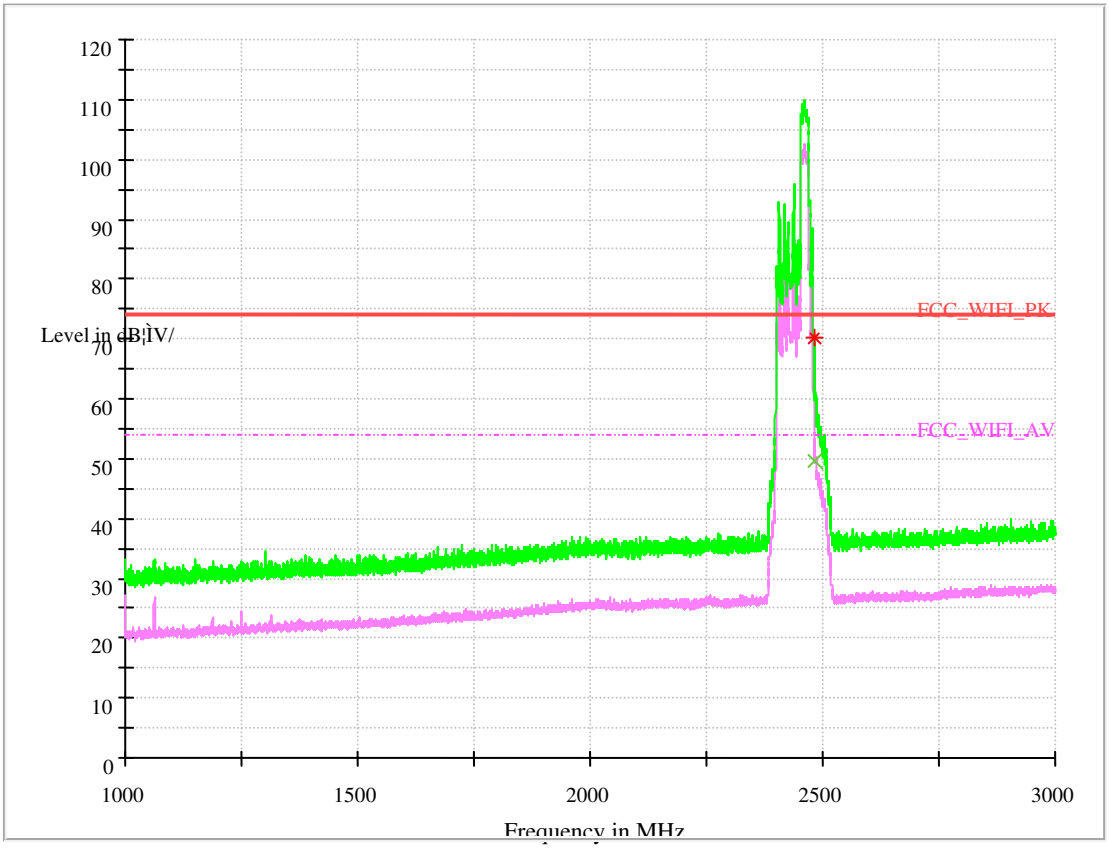
Channel 11



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK/ AV Detector

Frequency (MHz)	MaxPeak (dBµ V/m)	Average (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	69.45	---	74.00	-4.55	100.0	H	-9.0	3.8
2483.500000	---	49.97	54.00	-4.03	100.0	H	0.0	0.9

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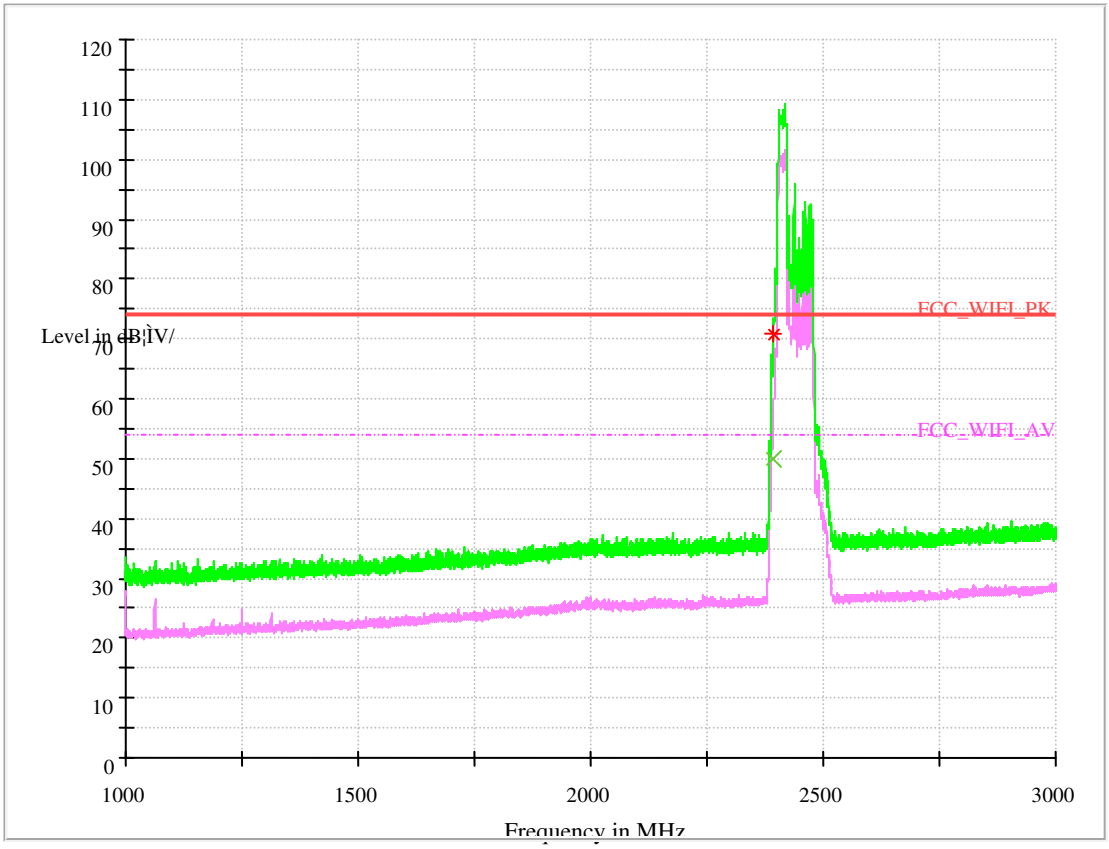
Test Mode: 11N20

Channel 1



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK/ AV Detector

Frequency (MHz)	MaxPeak (dBµ V/m)	Average (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	---	49.99	54.00	-4.01	100.0	H	187.0	-7.5
2390.000000	69.84	---	74.00	-4.16	100.0	H	192.0	-7.4

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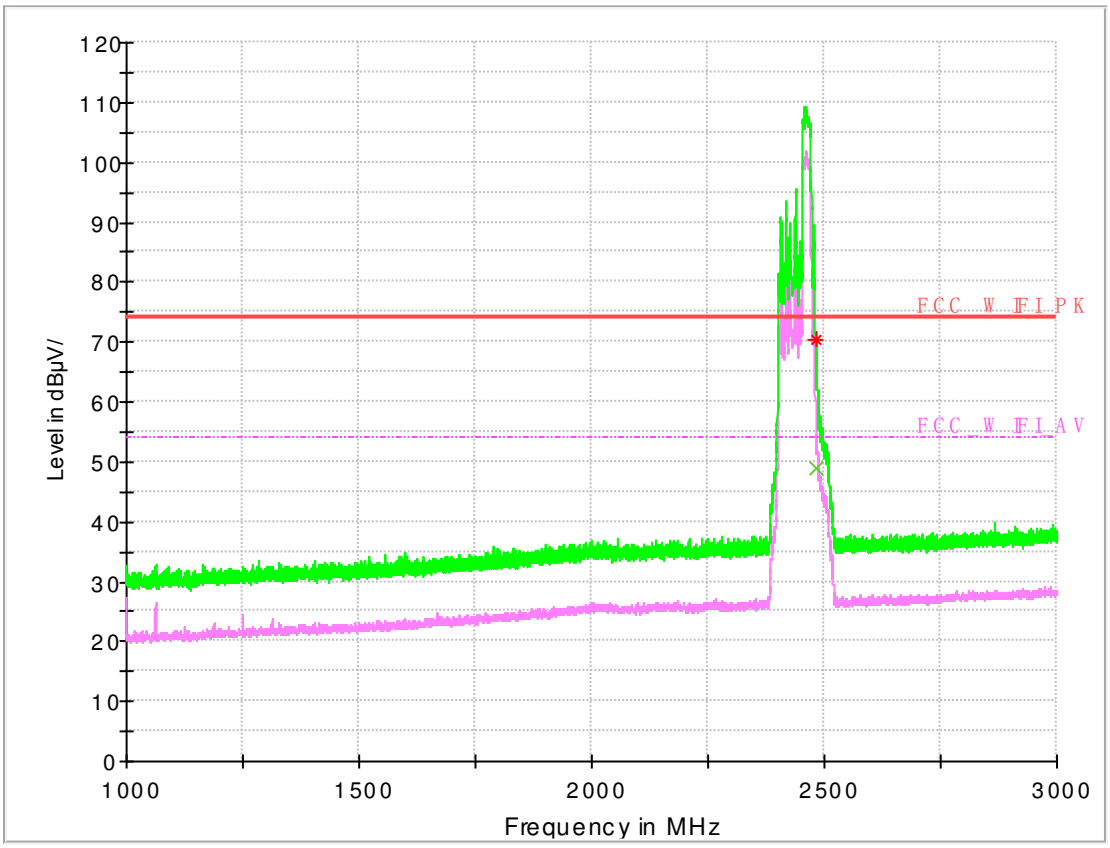
Channel 11



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK/ AV Detector

Frequency (MHz)	MaxPeak (dBµ V/m)	Average (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	---	48.79	54.00	-5.21	100.0	H	-1.0	3.9
2483.500000	69.43	---	74.00	-4.57	100.0	H	-5.0	0.4

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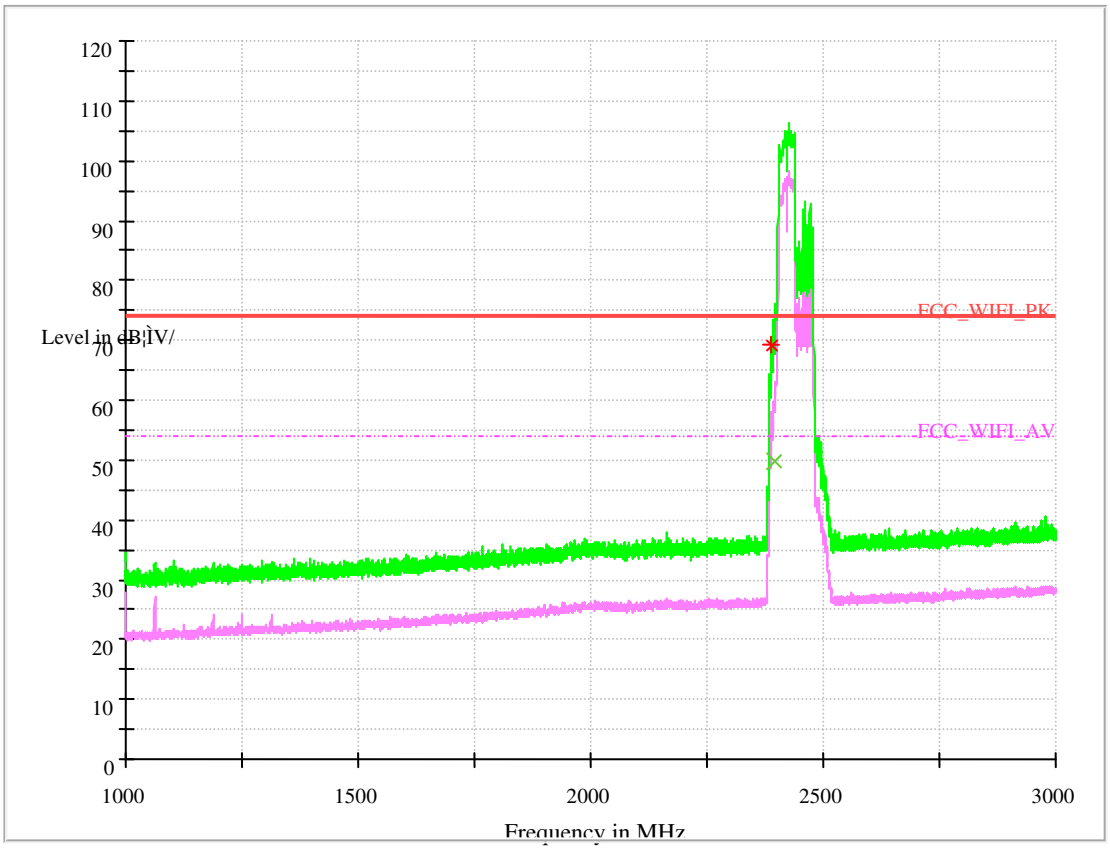
Test Mode: 11N40

Channel 3



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK/ AV Detector

Frequency (MHz)	MaxPeak (dBµ V/m)	Average (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2390.000000	69.13	---	74.00	-4.87	100.0	H	-5.0	-8.0
2390.000000	---	49.93	54.00	-4.07	100.0	H	-5.0	-7.4

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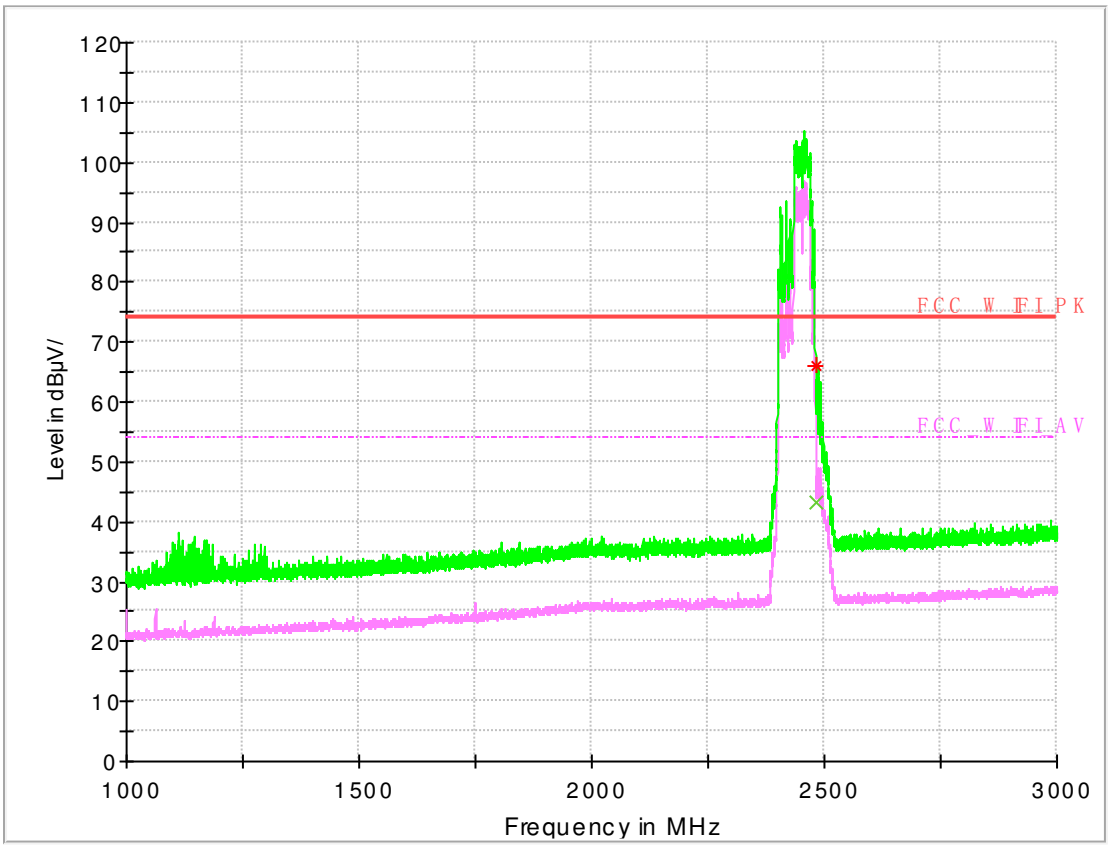
Channel 9



Note: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK/ AV Detector

Frequency (MHz)	MaxPeak (dBµ V/m)	Average (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2483.500000	---	43.38	54.00	-10.62	107.0	H	0.0	-3.2
2483.500000	66.09	---	74.00	-7.91	107.0	H	6.0	-4.2

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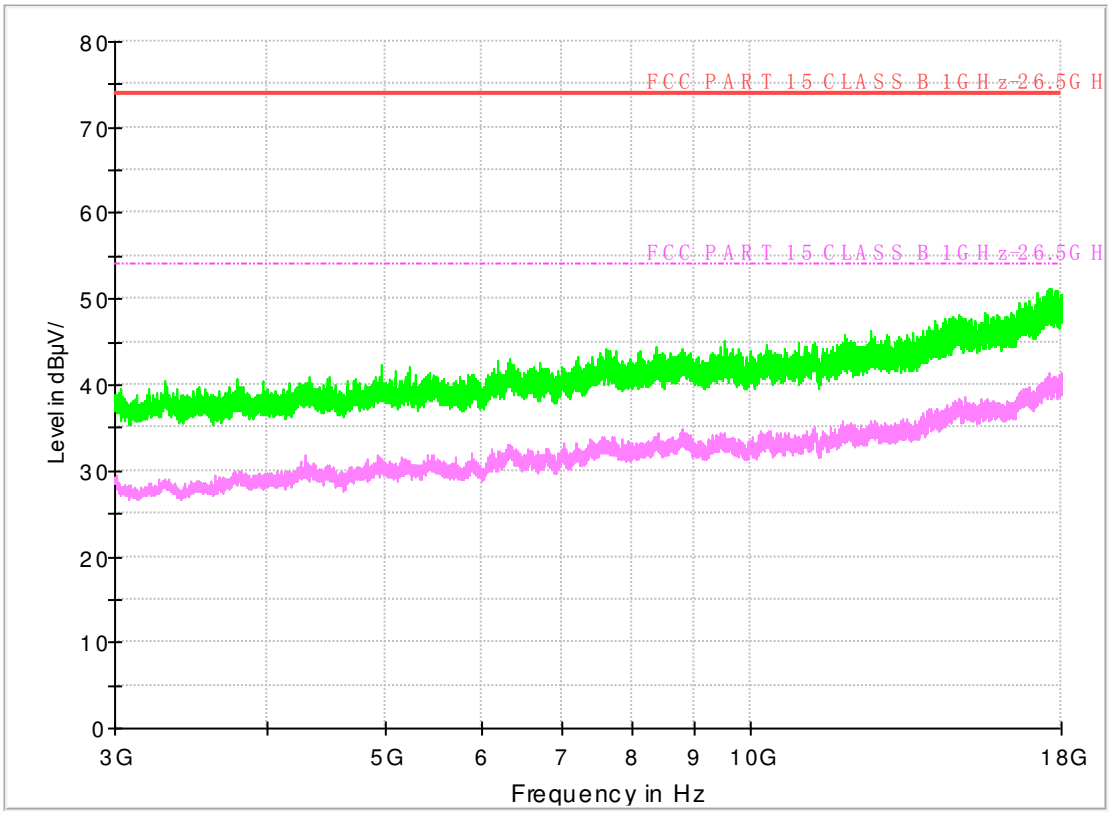
Part 5: Testing Range of "3 GHz to 18 GHz"

Note 1: The test results and plot for testing range of "3 GHz to 18 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 testing range of "3 GHz to 18 GHz" is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dBµV/m) and Average Limit (54 dBµV/m).

Full Spectrum



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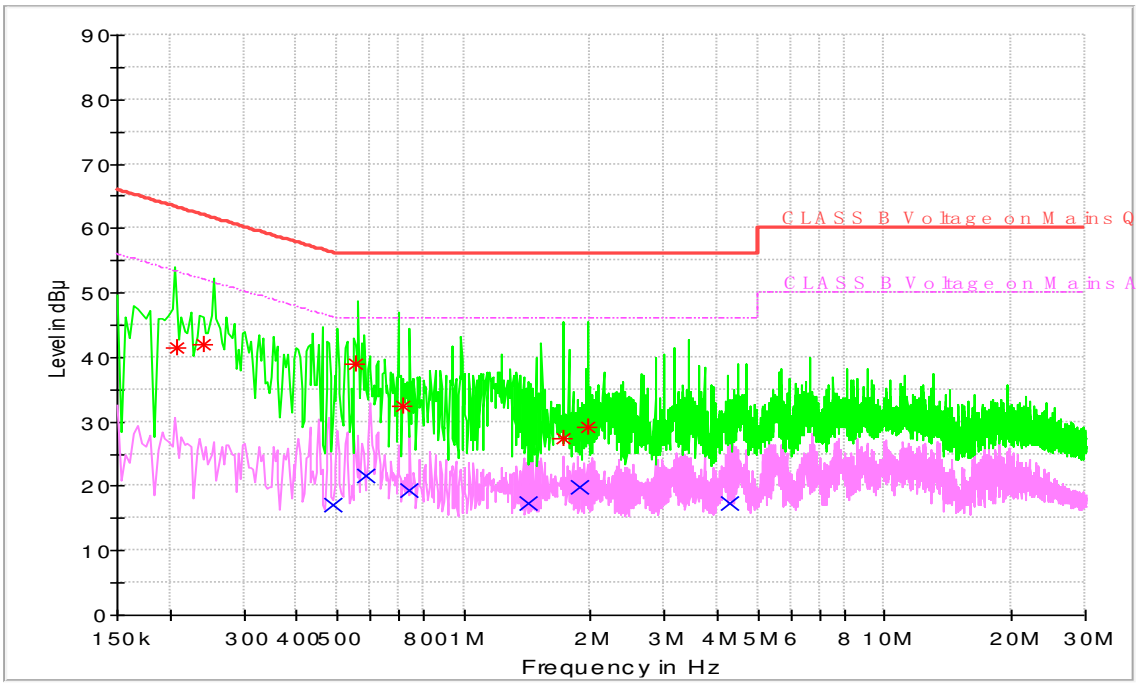
Appendix I: Conducted Emission at Power Port

Note: RBW =9 kHz, VBW = 30 kHz

Channel 6



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.207906	41.44	---	63.29	-21.85	N	ON	9.7
0.240874	41.91	---	62.07	-20.16	L1	ON	9.7
0.490466	---	16.98	46.16	-29.18	L1	ON	9.7
0.555348	38.84	---	56.00	-17.16	L1	ON	9.7
0.588089	---	21.55	46.00	-24.45	L1	ON	9.7
0.713013	32.46	---	56.00	-23.54	N	ON	9.7
0.742014	---	19.26	46.00	-26.74	L1	ON	9.7
1.418079	---	17.23	46.00	-28.77	N	ON	9.7
1.729198	27.42	---	56.00	-28.58	N	ON	9.8
1.885594	---	19.91	46.00	-26.09	L1	ON	9.8
1.961665	29.04	---	56.00	-26.96	N	ON	9.8
4.296744	---	17.42	46.00	-28.58	L1	ON	9.9

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