

Measurement Report

Keysight Technologies Japan K.K.
Hachioji Service Center
9-1, Takakura-Cho, Hachioji-Shi
Tokyo, 192-8550 Japan

As Received Data

Report Number: 1-10360321368-1
Model Number: 8563E
Tested Options:

Customer: SEE CERTIFICATE
Serial Number: 3846A09814

Test Date: 3 Sep 2018
Temperature: (23.0±3) °C

Tested By: N5238065
Humidity: (30 to 70)% RH

Test Program Name: HP856X Part No. 5011-0289
Test Program Version: A.11.01
Test Executive: STE/9000 C.08.98W

Result Status Flags:

Each measurement result stated will contain a result status flag.

The status flags are defined as follows:

- ' ' **Passed.** The measured values of the equipment were observed in specification at the points tested.
- 'F' **Failed.** One or more measured values of the equipment were observed out of specification at the points tested.

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Test Summary

Initial Setup	PASSED
10 MHz Precision Ref Output Accy	DONE
Calibrator Amplitude Accuracy	PASSED
Res BW Accy and Selectivity	PASSED
IF Gain Uncertainty	PASSED
Scale Fidelity	PASSED
Input Attenuator Switching Uncert	PASSED
Residual FM	PASSED
Noise Sidebands	FAILED
Res BW Switching and IF Alignment	PASSED
Frequency Readout and Marker Count Accy	PASSED
Frequency Span Accuracy	PASSED
Frequency Response	FAILED
Image and Multiple Responses	PASSED
Pulse Digitization Uncertainty	PASSED
Delayed Sweep Accuracy	PASSED
Gate Delay and Gate Length Accy	PASSED
Sweep Time Accuracy, ≥ 30 ms	PASSED
Sweep Time Accuracy, < 30 ms	PASSED
Third Order Intermodulation (TOI)	PASSED
Gain Compression	PASSED
Second Harmonic Distortion	PASSED
1ST LO OUTPUT Amplitude	PASSED
IF INPUT Amplitude Accuracy	PASSED
Displayed Average Noise Level	PASSED
Residual Responses	PASSED

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10 MHz Precision Ref Output Accy (Status: DONE)

See the attached frequency reference test results

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Calibrator Amplitude Accuracy (Status: PASSED)

Min (dBm)	Actual (dBm)	Max (dBm)
-10.3	-10.152	-9.7

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Res BW Accy and Selectivity (Status: PASSED)

Res Bandwidth	dB Point	Min	Actual	Max
Bandwidth Accuracy:				
2 MHz	3	-25%	11.52%	50%
1 MHz	3	-25%	-1.97%	25%
300 kHz	3	-10%	-1.83%	10%
100 kHz	3	-10%	-.36%	10%
30 kHz	3	-10%	-.31%	10%
10 kHz	3	-10%	.73%	10%
3 kHz	3	-10%	3.31%	10%
1 kHz	3	-10%	1.97%	10%
300 Hz	3	-10%	3.7%	10%
Bandwidth Selectivity:				
2 MHz	3	---	4.688	15
1 MHz	3	---	7.903	15
300 kHz	3	---	11.867	15
100 kHz	3	---	11.512	15
30 kHz	3	---	12.408	15
10 kHz	3	---	9.743	15
3 kHz	3	---	11.459	15
1 kHz	3	---	12.613	15
300 Hz	3	---	12.821	15

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IF Gain Uncertainty (Status: PASSED)

Ref Level (dBm)	Min (dB)	Mkr Delta (dB)	Max (dB)
Log Mode, 10 dB Steps			
-10	-1	-.14	1
-20	-1	-.12	1
-30	-1	-.25	1
-40	-1	-.12	1
-50	-1	-.09	1
-60	-1	-.23	1
-70	-1	-.21	1
-80	-1	-.25	1
Log Mode, 1 dB Steps			
-1	-1	-.06	1
-2	-1	-.06	1
-3	-1	-.04	1
-4	-1	-.03	1
-5	-1	-.04	1
-6	-1	-.01	1
-7	-1	-.04	1
-8	-1	-.05	1
-9	-1	-.1	1
-10	-1	-.09	1
-11	-1	-.09	1
-12	-1	-.01	1
Linear Mode, 10 dB Steps			
-10	-1	-.09	1
-20	-1	-.07	1
-30	-1	-.13	1
-40	-1	-.18	1
-50	-1	-.12	1
-60	-1	-.18	1
-70	-1	-.21	1
-80	-1	-.24	1

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Scale Fidelity (Status: PASSED)

Ref Level (dBm)	Min (dB)	Mkr Delta (dB)	Max (dB)
Log Mode, Cumulative 10 dB/div, Res BW>= 300 Hz			
0	0 (Ref)	0 (Ref)	0 (Ref)
6	-.6	-.02	.6
12	-.85	.01	.85
18	-.85	.13	.85
24	-.85	.07	.85
30	-.85	.09	.85
36	-.85	.07	.85
42	-.85	.15	.85
48	-.85	.1	.85
54	-.85	.21	.85
60	-.85	.23	.85
66	-.85	.21	.85
72	-.85	.19	.85
78	-.85	.2	.85
84	-.85	.15	.85
90	-.85	.17	.85
Log Mode, Incremental 10 dB/div, Res BW>= 300 Hz			
12	-.1	0	.1
18	-.1	.01	.1
24	-.1	.01	.1
30	-.1	0	.1
36	-.1	0	.1
42	-.1	.01	.1
48	-.1	0	.1
54	-.1	.01	.1
60	-.1	.01	.1
66	-.1	0	.1
72	-.1	0	.1
78	-.1	0	.1
84	-.1	0	.1
90	-.1	0	.1
Log Mode, Cumulative 10 dB/div, Res BW<= 100 Hz			
0	0 (Ref)	0 (Ref)	0 (Ref)
6	-.6	-.02	.6
12	-.85	.01	.85
18	-.85	-.05	.85
24	-.85	.07	.85
30	-.85	.09	.85
36	-.85	.07	.85
42	-.85	.15	.85
48	-.85	.1	.85
54	-.85	.21	.85
60	-.85	.23	.85
66	-.85	.22	.85
72	-.85	.24	.85
78	-.85	.19	.85
84	-.85	.3	.85
90	-.85	.3	.85
94	-1.5	.38	1.5
98	-1.5	.19	1.5

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Scale Fidelity (Status: PASSED)

Ref Level (dBm)	Min (dB)	Mkr Delta (dB)	Max (dB)
Log Mode, Incremental 10 dB/div, Res BW<= 100 Hz			
12	-.2	0	.2
18	-.2	-.01	.2
24	-.2	.01	.2
30	-.2	.02	.2
36	-.2	0	.2
42	-.2	.01	.2
48	-.2	.01	.2
54	-.2	.01	.2
60	-.2	.02	.2
66	-.2	0	.2
72	-.2	0	.2
78	-.2	-.01	.2
84	-.2	.01	.2
90	-.2	.02	.2
Log Mode, Cumulative 2 dB/div, >=300 Hz RBW			
0	0 (Ref)	0 (Ref)	0 (Ref)
2	-.2	-.04	.2
4	-.4	-.05	.4
6	-.6	-.09	.6
8	-.8	-.05	.8
10	-.85	-.06	.85
12	-.85	-.02	.85
14	-.85	-.05	.85
16	-.85	-.01	.85
18	-.85	-.02	.85
Log Mode, Incremental 2 dB/div, >=300 Hz RBW			
2	-.1	-.02	.1
4	-.1	-.01	.1
6	-.1	-.02	.1
8	-.1	.02	.1
10	-.1	-.01	.1
12	-.1	.02	.1
14	-.1	-.02	.1
16	-.1	.02	.1
18	-.1	-.01	.1
Linear			
0	0 (Ref)	0 (Ref)	0 (Ref)
2	-2.33	-1.93	-1.68
4	-4.42	-3.94	-3.6
6	-6.54	-5.92	-5.5
8	-8.68	-7.96	-7.37
10	-10.87	-9.94	-9.21
12	-13.1	-11.97	-11.02
14	-15.42	-13.95	-12.78
16	-17.82	-16.04	-14.49
18	-20.36	-18	-16.14

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Input Attenuator Switching Uncert (Status: PASSED)

Attenuation (dB)	Min (dB)	Measured (dB)	Max (dB)
Cumulative, 50 MHz			
10	0 (ref)	0 (ref)	0 (ref)
20	-.6	.17	.6
30	-1.2	.09	1.2
40	-1.8	.2	1.8
50	-1.8	.12	1.8
60	-1.8	.31	1.8
70	-1.8	.26	1.8
Incremental, 50 MHz			
10	0 (ref)	0 (ref)	0 (ref)
20	-.6	.17	.6
30	-.6	-.07	.6
40	-.6	.11	.6
50	-.6	-.08	.6
60	-.6	.19	.6
70	-.6	-.05	.6
Cumulative, 2.5 GHz			
10	0 (ref)	0 (ref)	0 (ref)
20	-.6	.1	.6
30	-1.2	.02	1.2
40	-1.8	.13	1.8
50	-1.8	.05	1.8
60	-1.8	.23	1.8
70	-1.8	.17	1.8
Incremental, 2.5 GHz			
10	0 (ref)	0 (ref)	0 (ref)
20	-.6	.1	.6
30	-.6	-.07	.6
40	-.6	.11	.6
50	-.6	-.08	.6
60	-.6	.18	.6
70	-.6	-.06	.6

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Residual FM (Status: PASSED)

Frequency	Actual (Hz)	Max (Hz)
500 MHz	.063	1
1 GHz	.044	1

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Noise Sidebands (Status: FAILED)

Noise Sideband	Measured (dBc/Hz)	Max (dBc/Hz)
97 Hz	-96.02	-88
-97 Hz	-93.69	-88
1 kHz	-111	-97
-1 kHz	-110.9	-97
10 kHz	-118.4	-113
-10 kHz	-116.7	-113
30 kHz	-115.5	-113
-30 kHz	-115.7	-113
97 kHz	-117.4	-117
-97 kHz	-116.6	-117 *

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Res BW Switching and IF Alignment (Status: PASSED)

Res Bandwidth	Min (dB)	Actual (dB)	Max (dB)
2 MHz	-.5	-.15	.5
1 MHz	-.5	-.15	.5
100 kHz	-.5	-.12	.5
30 kHz	-.5	-.03	.5
10 kHz	-.5	.05	.5
3 kHz	-.5	-.03	.5
1 kHz	-.5	-.07	.5
300 Hz	-1	-.07	1
100 Hz	-.5	-.05	.5
30 Hz	-.5	-.05	.5
10 Hz	-.5	-.08	.5
3 Hz	-.5	-.06	.5
1 Hz	-.5	-.06	.5

Note: The test limits for the 100 Hz RES BW setting is the sum of the resolution bandwidth switching uncertainty and IF alignment uncertainty specifications.

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Frequency Readout and Marker Count Accy (Status: PASSED)

Frequency Readout Accuracy:

--Span--	--Min Delta--	--Actual Delta--	--Max Delta--
1.5 GHz Center Freq			
1 MHz	-.012 MHz	0 Hz	.012 MHz
10 MHz	-.52 MHz	-33.333 kHz	.52 MHz
20 MHz	-1.05 MHz	-66.667 kHz	1.05 MHz
50 MHz	-2.55 MHz	83.333 kHz	2.55 MHz
100 MHz	-5.2 MHz	0 Hz	5.2 MHz
1 GHz	-50 MHz	1.666667 MHz	50 MHz
4 GHz Center Freq			
1 MHz	-.012 MHz	0 Hz	.012 MHz
10 MHz	-.52 MHz	-16.667 kHz	.52 MHz
20 MHz	-1.05 MHz	-33.333 kHz	1.05 MHz
50 MHz	-2.55 MHz	83.333 kHz	2.55 MHz
100 MHz	-5.2 MHz	166.667 kHz	5.2 MHz
1 GHz	-50 MHz	0 Hz	50 MHz
9 GHz Center Freq			
1 MHz	-.012 MHz	0 Hz	.012 MHz
10 MHz	-.52 MHz	-33.333 kHz	.52 MHz
20 MHz	-1.05 MHz	-66.667 kHz	1.05 MHz
50 MHz	-2.55 MHz	83.333 kHz	2.55 MHz
100 MHz	-5.2 MHz	166.667 kHz	5.2 MHz
1 GHz	-50 MHz	0 Hz	50 MHz
16 GHz Center Freq			
1 MHz	-.012 MHz	0 Hz	.012 MHz
10 MHz	-.52 MHz	-16.667 kHz	.52 MHz
20 MHz	-1.05 MHz	-33.333 kHz	1.05 MHz
50 MHz	-2.55 MHz	-83.333 kHz	2.55 MHz
100 MHz	-5.2 MHz	166.667 kHz	5.2 MHz
1 GHz	-50 MHz	1.666667 MHz	50 MHz
21 GHz Center Freq			
1 MHz	-.012 MHz	0 Hz	.012 MHz
10 MHz	-.52 MHz	-33.333 kHz	.52 MHz
20 MHz	-1.05 MHz	-33.333 kHz	1.05 MHz
50 MHz	-2.55 MHz	-83.333 kHz	2.55 MHz
100 MHz	-5.2 MHz	166.667 kHz	5.2 MHz
1 GHz	-50 MHz	0 Hz	50 MHz

Freq Count Marker Accuracy:

Frequency/Span	Min Delta	Actual Delta	Max Delta
1.5 GHz/1 GHz	-3 Hz	1 Hz	3 Hz
4 GHz/1 GHz	-3 Hz	1 Hz	3 Hz
9 GHz/1 GHz	-5 Hz	1 Hz	5 Hz
16 GHz/1 GHz	-9 Hz	-1 Hz	9 Hz
21 GHz/1 GHz	-9 Hz	-1 Hz	9 Hz

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Frequency Span Accuracy (Status: PASSED)

Center Frequency/Span	Min (%)	Actual (%)	Max (%)
300.0004 MHz/1 kHz	-1	0	1
300.0008 MHz/2 kHz	-1	0	1
300.002 MHz/5 kHz	-1	0	1
300.004 MHz/10 kHz	-1	0	1
300.008 MHz/20 kHz	-1	.206	1
300.02 MHz/50 kHz	-1	0	1
300.04 MHz/100 kHz	-1	.209	1
300.08 MHz/200 kHz	-1	.209	1
300.2 MHz/500 kHz	-1	0	1
300.4 MHz/1 MHz	-1	0	1
300.8 MHz/2 MHz	-1	-.208	1
302 MHz/5 MHz	-5	-.833	5
304 MHz/10 MHz	-5	-.833	5
308 MHz/20 MHz	-5	-1.042	5
320 MHz/50 MHz	-5	.208	5
340 MHz/100 MHz	-5	0	5
380 MHz/200 MHz	-5	.208	5
500 MHz/500 MHz	-5	0	5

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Frequency Response (Status: FAILED)

Maximum, Band 0					
Maximum Values	Frequency	Min (dB)	Actual (dB)	Max (dB)	
Positive	2.1 GHz	---	.02	1.8	
Negative	9 kHz	-1.8	-1.4	---	
Maximum, Band 1					
Maximum Values	Frequency	Min (dB)	Actual (dB)	Max (dB)	
Positive	3.65 GHz	---	.92	2.4	
Negative	2.95 GHz	-2.4	.08	---	
Maximum, Band 2					
Maximum Values	Frequency	Min (dB)	Actual (dB)	Max (dB)	
Positive	8.7 GHz	---	1.2	2.9	
Negative	13.1 GHz	-2.9	-.55	---	
Maximum, Band 3, < 22 GHz					
Maximum Values	Frequency	Min (dB)	Actual (dB)	Max (dB)	
Positive	21.7 GHz	---	3.54	4	
Negative	19.5 GHz	-4	-2.13	---	

Maximum, Band 3, > 22 GHz
 Frequencies not within specification:

Frequency	Min (dB)	Measured (dB)	Max (dB)
24.7 GHz	-4	-6.39	4 *
24.9 GHz	-4	-6.55	4 *
25.5 GHz	-4	-7.2	4 *
25.7 GHz	-4	-8.24	4 *
25.9 GHz	-4	-8.11	4 *
26.1 GHz	-4	-8.13	4 *
26.3 GHz	-4	-7.11	4 *
26.5 GHz	-4	-8.61	4 *

Maximum Values	Frequency	Min (dB)	Actual (dB)	Max (dB)
Positive	22.5 GHz	---	3.97	4
Negative	26.5 GHz	-4	-8.61	---- *

Peak-to-Peak Response, band 0 (.009 to 2900 MHz) relative
 Min @ Freq Max @ Freq Pk to Pk (dB) Max (dB)
 9 kHz 2.1 GHz 1.42 2.5

Peak-to-Peak Response, band 0, range (100 to 2000 MHz) relative
 Min @ Freq Max @ Freq Pk to Pk (dB) Max (dB)
 400 MHz 300 MHz .25 2

Peak-to-Peak Response, band 1 (2950 to 6450 MHz) relative
 Min @ Freq Max @ Freq Pk to Pk (dB) Max (dB)
 2.95 GHz 3.65 GHz .84 3

Peak-to-Peak Response, band 2 (6500 to 13200 MHz) relative
 Min @ Freq Max @ Freq Pk to Pk (dB) Max (dB)
 13.1 GHz 8.7 GHz 1.75 4.4

Peak-to-Peak Response, band 3, <22 GHz (13250 to 21900 MHz) relative
 Min @ Freq Max @ Freq Pk to Pk (dB) Max (dB)
 19.5 GHz 21.7 GHz 5.67 5 *

Peak-to-Peak Response, band 3, >22 GHz (22100 to 26500 MHz) relative
 Min @ Freq Max @ Freq Pk to Pk (dB) Max (dB)
 26.5 GHz 22.5 GHz 12.58 6.6 *

Band Switching Uncertainty

--Band--	--Band--	Result (dB)	Max (dB)
0	1	2.32	3.75
0	2	2.6	4.45

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Frequency Response (Status: FAILED)

0	3, <22 GHz	4.94	4.75 *
0	3, >22 GHz	8.63	5.55 *
1	2	1.47	4.7
1	3, <22 GHz	3.46	5
1	3, >22 GHz	9.53	5.8 *
2	3, <22 GHz	4.09	5.7
2	3, >22 GHz	9.81	6.5 *
3, <22 GHz	3, >22 GHz	12.15	6.8 *

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Image and Multiple Responses (Status: PASSED)

Analyzer Freq	Source Freq	Actual (dBc)	Max (dBc)
2 GHz	2.0214 GHz	-90.33	-80
2 GHz	2.6214 GHz	-90.67	-80
2 GHz	2.3214 GHz	-93.83	-80
2 GHz	2.6 GHz	-94.17	-80
2 GHz	7.9107 GHz	-94.33	-80
2 GHz	9.8214 GHz	-94.67	-80
4 GHz	4.0214 GHz	-88.83	-80
4 GHz	4.6214 GHz	-93.83	-80
4 GHz	4.3214 GHz	-94.67	-80
4 GHz	4.6 GHz	-94.5	-80
4 GHz	8.3107 GHz	-94.17	-80
4 GHz	8.9321 GHz	-94	-80
9 GHz	9.0214 GHz	-90.83	-80
9 GHz	9.6214 GHz	-93.17	-80
9 GHz	9.3214 GHz	-94.17	-80
9 GHz	9.6 GHz	-93.5	-80
9 GHz	18.3107 GHz	-94	-80
9 GHz	18.9321 GHz	-94.33	-80
15 GHz	15.0214 GHz	-87.33	-80
15 GHz	15.6214 GHz	-91.83	-80
15 GHz	22.65535 GHz	-91.83	-80
15 GHz	23.27675 GHz	-91.33	-80
15 GHz	7.34465 GHz	-92.67	-80
15 GHz	7.96605 GHz	-91.67	-80
20 GHz	20.0214 GHz	-86.83	-80
20 GHz	20.6214 GHz	-90.67	-80
20 GHz	15.543725 GHz	-91.83	-80
20 GHz	25.699075 GHz	-91.33	-80
20 GHz	9.84465 GHz	-92.5	-80
20 GHz	10.46605 GHz	-91.67	-80

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Pulse Digitization Uncertainty (Status: PASSED)

Res BW	Scale	Measured	Max
1 MHz	Log 5	.59 dB	1.25 dB
2 MHz	Log 5	.58 dB	3 dB
1 MHz	Linear	1.61%	4%
2 MHz	Linear	2.19%	12%

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Delayed Sweep Accuracy (Status: PASSED)

Sweep Setting (us)	Min (us)	Measured (us)	Max (us)
1000	999	1000.0075	1001
2000	1999	2000.013	2001
5000	4999	5000.0055	5001
10000	9999	10000.0111	10001
20000	19999	20000.009	20001
50000	49999	50000.0056	50001
65000	64999	65000.007	65001

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Gate Delay and Gate Length Accy (Status: PASSED)

	Min	Actual	Max
MIN Gate Delay in us	2	2.8995	4
MAX Gate Delay in us	2	2.909	4
1 us Gate Length in us	0	.9976	2
65 ms Gate Length in ms	64.999	64.9999991	65.001

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Sweep Time Accuracy, >=30 ms (Status: PASSED)

Sweep Time	Min (%)	Measured (%)	Max (%)
30 ms	-1	0	1
50 ms	-1	.42	1
100 ms	-1	.62	1
200 ms	-1	0	1
500 ms	-1	.21	1
1 s	-1	0	1
2 s	-1	.21	1
5 s	-1	.21	1
10 s	-1	0	1
20 s	-1	0	1
50 s	-1	0	1
100 s	-1	.21	1

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Sweep Time Accuracy, <30 ms (Status: PASSED)

Sweep Time	Min	Actual	Max
50 us	42.5	50	57.5
100 us	85	98.22	115
200 us	170	198.21	230
500 us	425	500	575
1 ms	.85	1	1.15
2 ms	1.7	1.96	2.3
5 ms	4.25	4.9	5.75
10 ms	8.5	10	11.5
20 ms	17	20.36	23

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Third Order Intermodulation (TOI) (Status: PASSED)

Applied Frequency	THD (dBc)	Max (dBc)
45 MHz	-84.67	-82
5 GHz	-96	-90
8 GHz	-85.83	-75

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Gain Compression (Status: PASSED)

Source 1 Freq	Source 2 Freq	Actual (dB)	Max (dB)
2.003 GHz	2 GHz	.06	1
4.003 GHz	4 GHz	.1	1
7.003 GHz	7 GHz	.23	1

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Test Date: 3 Sep 2018
Serial Number: 3846A09814

Second Harmonic Distortion (Status: PASSED)

Applied Frequency	SHD (dBc)	Max (dBc)
39 MHz	-87	-79
1.5 GHz	-105.82	-85
2.95 GHz	-109.62	-100

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1ST LO OUTPUT Amplitude (Status: PASSED)

1ST LO Freq	Center Freq	Min (dB)	Actual (dB)	Max (dB)
3 GHz	18 GHz	14.5	16.899	18.5
3.2 GHz	19.2 GHz	14.5	17.029	18.5
3.4 GHz	20.4 GHz	14.5	17.366	18.5
3.6 GHz	21.6 GHz	14.5	17.088	18.5
3.8 GHz	22.8 GHz	14.5	17.023	18.5
4 GHz	24 GHz	14.5	16.877	18.5
4.2 GHz	25.2 GHz	14.5	16.689	18.5
4.4 GHz	26.4 GHz	14.5	16.822	18.5
4.6 GHz	27.6 GHz	14.5	16.857	18.5
4.8 GHz	28.8 GHz	14.5	16.796	18.5
5 GHz	30 GHz	14.5	16.822	18.5
5.2 GHz	31.2 GHz	14.5	16.889	18.5
5.4 GHz	32.4 GHz	14.5	16.768	18.5
5.6 GHz	33.6 GHz	14.5	16.74	18.5
5.8 GHz	34.8 GHz	14.5	16.652	18.5
6 GHz	36 GHz	14.5	16.491	18.5
6.2 GHz	37.2 GHz	14.5	16.35	18.5
6.4 GHz	38.4 GHz	14.5	16.398	18.5
6.6 GHz	39.6 GHz	14.5	16.423	18.5
6.8 GHz	40 GHz	14.5	16.356	18.5

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IF INPUT Amplitude Accuracy (Status: PASSED)

Min (dBm)	Actual (dBm)	Max (dBm)
-31.5	-28.6	-28.5

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Displayed Average Noise Level (Status: PASSED)

Frequency Range	Measurement Freq	DANL (dBm)	Max. (dBm)
10 kHz	10 kHz	-139.16	-120
100 kHz	99 kHz	-139.82	-120
1 MHz-10 MHz	1.09 MHz	-152.99	-140
10 MHz-2.9 GHz	2.5339333333 GHz	-154.49	-149
2.9 GHz-6.46 GHz	2.911866667 GHz	-150.49	-148
6.46 GHz-13.2 GHz	12.604633333 GHz	-149.66	-145
13.2 GHz-22.0 GHz	21.706666667 GHz	-143.32	-140
22.0 GHz-26.5 GHz	23.62 GHz	-141.49	-139

Measurement Report (As Received)

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Residual Responses (Status: PASSED)

Residuals Freq	Amplitude (dBm)	Max (dBm)
2 MHz	-120.33	-90
4 MHz	-122	-90
6 MHz	-122.67	-90
10 MHz	-123.67	-90
12 MHz	-124	-90
14 MHz	-123.5	-90
17.5 MHz	-122.33	-90
20 MHz	-122.67	-90
341.083333 MHz	-123	-90
471.44 MHz	-123.83	-90
511.625 MHz	-123.83	-90
600 MHz	-123.33	-90
666.975 MHz	-123.17	-90
785.733333 MHz	-124	-90
992.8666667 MHz	-123.33	-90
1.06716 GHz	-123.17	-90
1.1786 GHz	-123.17	-90
1.19144 GHz	-123.67	-90
1.2 GHz	-122	-90
1.33395 GHz	-123.83	-90
1.466667 GHz	-123.67	-90
1.472222667 GHz	-123.83	-90
1.4786 GHz	-121.67	-90
1.5 GHz	-123.33	-90
1.566975 GHz	-123.5	-90
1.64465 GHz	-122.83	-90
1.7786 GHz	-122.67	-90
1.8 GHz	-118	-90
1.985733333 GHz	-123.83	-90
2.192866667 GHz	-123.17	-90
2.3786 GHz	-122.67	-90
2.4 GHz	-123.33	-90
2.466975 GHz	-122	-90
2.6786 GHz	-121.83	-90
2.7 GHz	-122	-90
3 GHz	-117.5	-90
3.3 GHz	-119.17	-90
6 GHz	-119.83	-90

No residuals were above the maximum specification.
The specified frequency range is 200 kHz to 6.46 GHz.