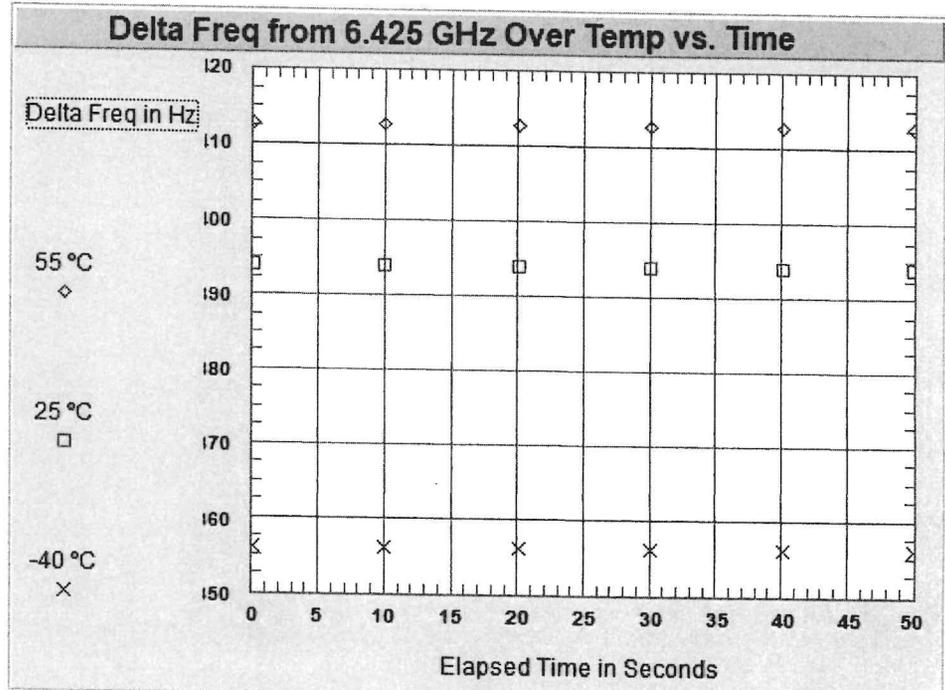
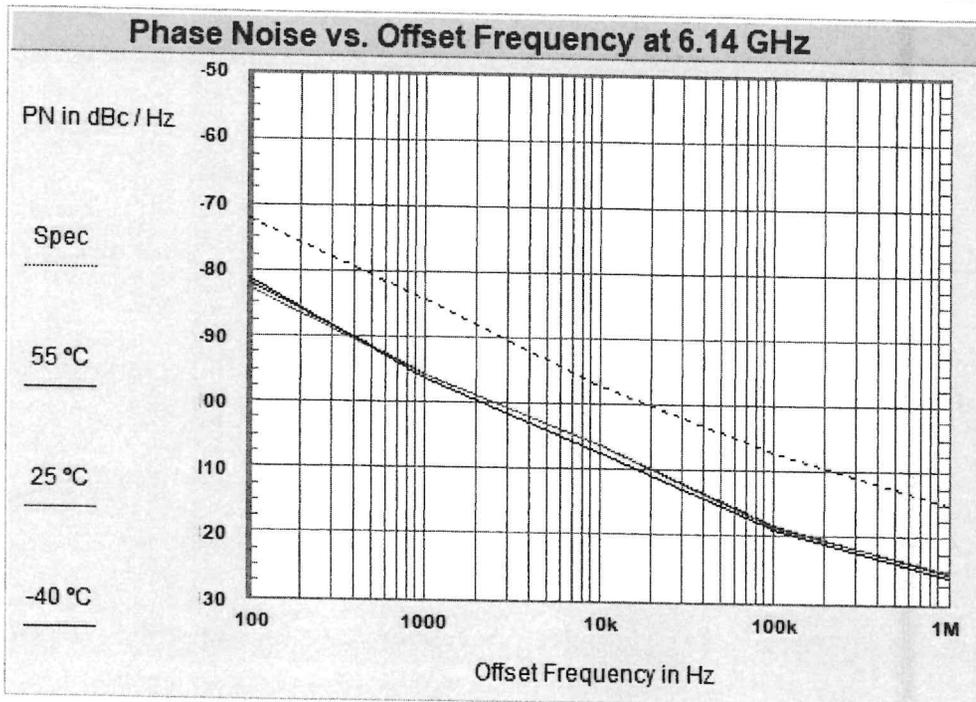


Comtech EF Data

BUC Test Data Sheet

Model: LPOD VER: 1.6.3

Serial Number: 122572405



Offset Frequency	55 °C	25 °C	-40 °C	Spec
100 Hz	-81.65	-82.66	-81.15	-72 dBc/Hz
1 kHz	-95.68	-95.67	-96.17	-84 dBc/Hz
10 kHz	-106.00	-106.10	-107.30	-97 dBc/Hz
100 kHz	-118.30	-118.40	-118.80	-107 dBc/Hz
1 MHz	-125.50	-125.10	-126.00	-115 dBc/Hz

55 °C	25 °C	-40 °C
6.424998587 GHz	6.424998606 GHz	6.424998644 GHz
6.424998587 GHz	6.424998606 GHz	6.424998644 GHz
6.424998587 GHz	6.424998606 GHz	6.424998644 GHz
6.424998587 GHz	6.424998606 GHz	6.424998644 GHz
6.424998587 GHz	6.424998606 GHz	6.424998644 GHz
6.424998587 GHz	6.424998606 GHz	6.424998644 GHz
Delta Over Temp (Spec = 128 Hz)		57 Hz

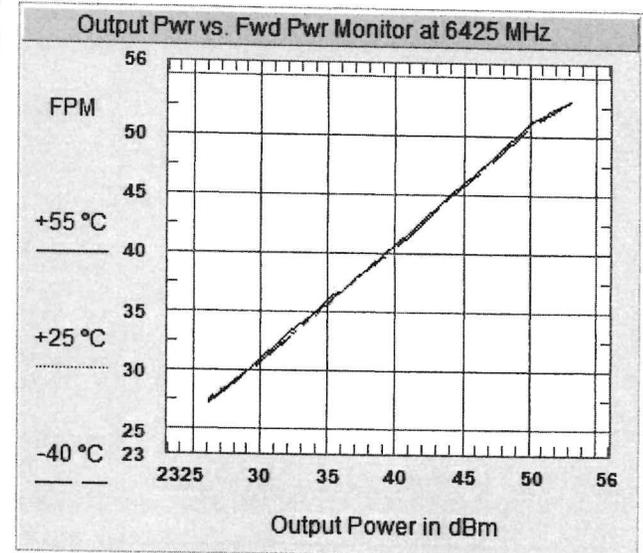
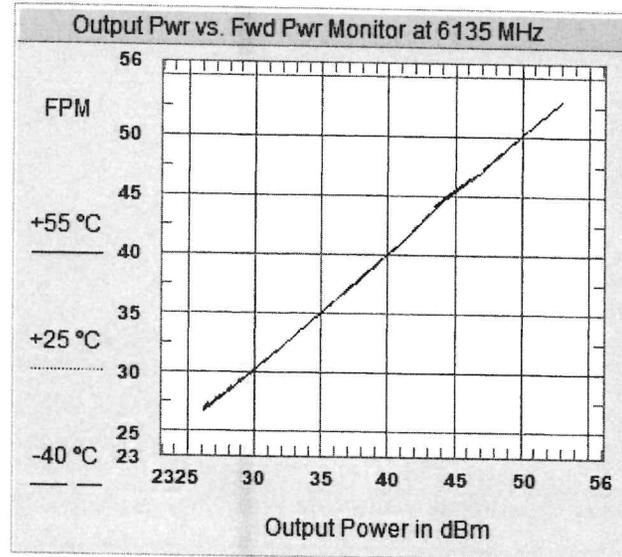
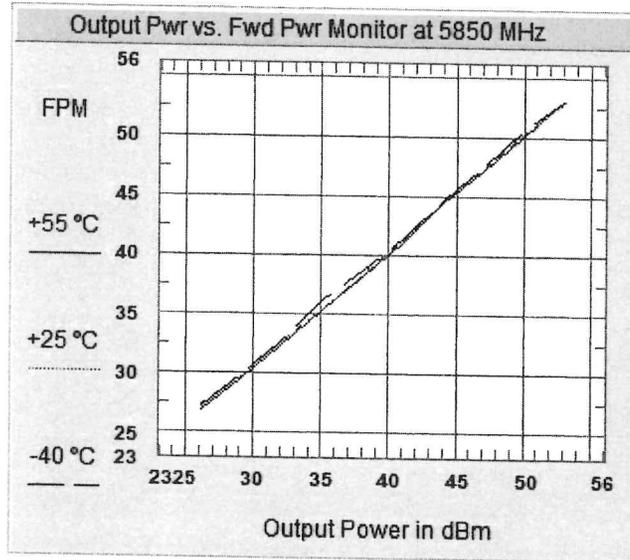
Summary Pass / Fail

Pass

Comtech EF Data Fwd Pwr Mon. Test Data Sheet

Model: LPOD VER: 1.6.3

Serial Number: 122572405



+55 °C

Pwr in dBm	5850 MHz	6135 MHz	6425 MHz
53	53.00	53.00	53.00
50	50.20	50.20	51.10
47	47.20	47.20	48.00
44	44.50	44.50	45.00
41	41.20	41.10	41.80
38	38.20	38.10	38.90
35	35.30	35.20	35.90
32	32.40	32.20	33.10
29	29.50	29.40	30.00
26	26.90	26.80	27.40

+25 °C

Pwr in dBm	5850 MHz	6135 MHz	6425 MHz
53	53.00	53.00	53.00
50	50.40	50.10	51.00
47	47.30	47.10	47.80
44	44.60	44.80	44.90
41	41.30	41.10	41.70
38	38.40	38.00	38.80
35	35.40	35.10	35.70
32	32.60	32.20	32.90
29	29.70	29.50	30.00
26	27.30	27.00	27.50

-40 °C

Pwr in dBm	5850 MHz	6135 MHz	6425 MHz
53	53.00	53.00	53.00
50	50.60	50.10	50.80
47	47.50	47.10	47.60
44	44.70	44.70	44.80
41	41.50	41.10	41.50
38	38.60	38.00	38.60
35	36.10	35.20	36.10
32	32.70	32.10	32.70
29	29.80	29.30	29.80
26	27.20	26.70	27.20

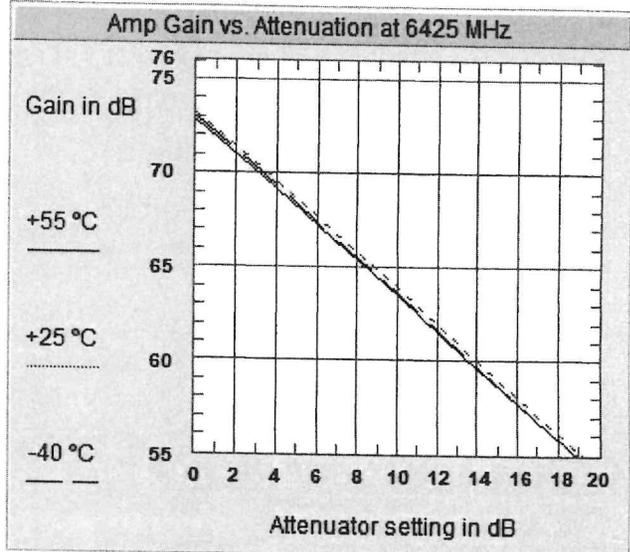
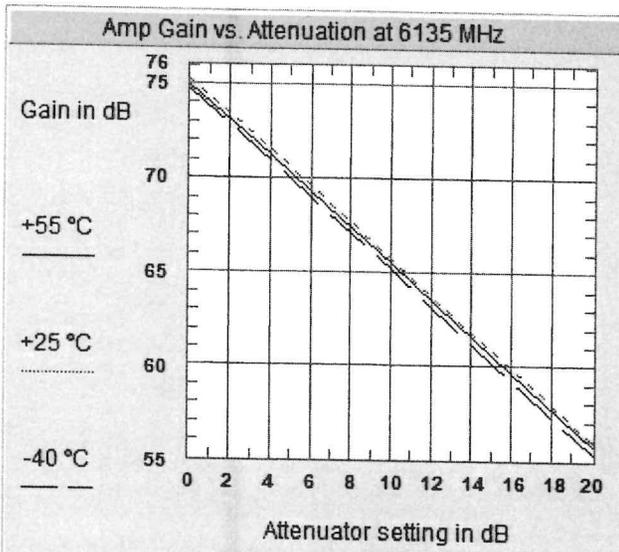
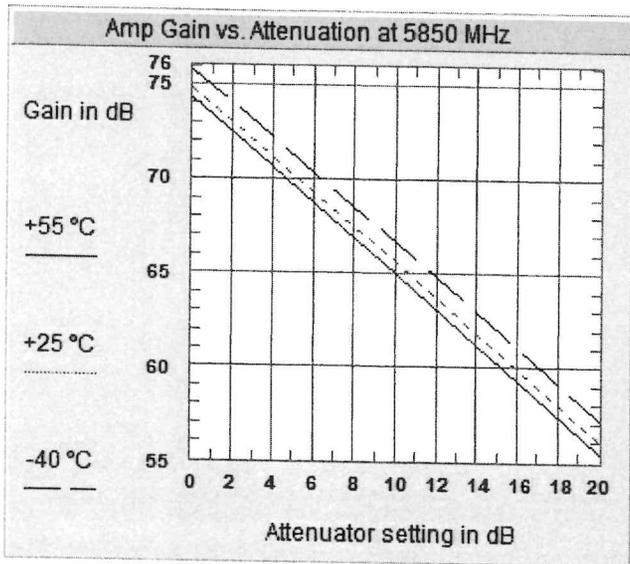
P / F

Pass

Comtech EF Data Attenuation Test Data Sheet

Model: LPOD VER: 1.6.3

Serial Number: 122572405



+55 °C

Atten in dB	5850 MHz	6135 MHz	6425 MHz
0	74.34	74.99	72.84
3.25	71.28	71.94	69.84
6.75	68.00	68.58	66.52
10	64.97	65.48	63.44
13.25	61.90	62.33	60.34
16.75	58.58	58.94	56.99
20	55.39	55.70	53.79
P / F	Pass	Pass	Pass

+25 °C

Atten in dB	5850 MHz	6135 MHz	6425 MHz
0	74.86	75.25	73.23
3.25	71.88	72.24	70.29
6.75	68.61	68.87	66.95
10	65.59	65.74	63.86
13.25	62.53	62.57	60.72
16.75	59.24	59.20	57.38
20	56.08	55.97	54.19
P / F	Pass	Pass	Pass

-40 °C

Atten in dB	5850 MHz	6135 MHz	6425 MHz
0	75.83	74.69	73.04
3.25	72.90	71.67	70.08
6.75	69.68	68.27	66.71
10	66.70	65.14	63.59
13.25	63.64	61.94	60.39
16.75	60.37	58.55	57.00
20	57.25	55.34	53.80
P / F	Pass	Pass	Pass

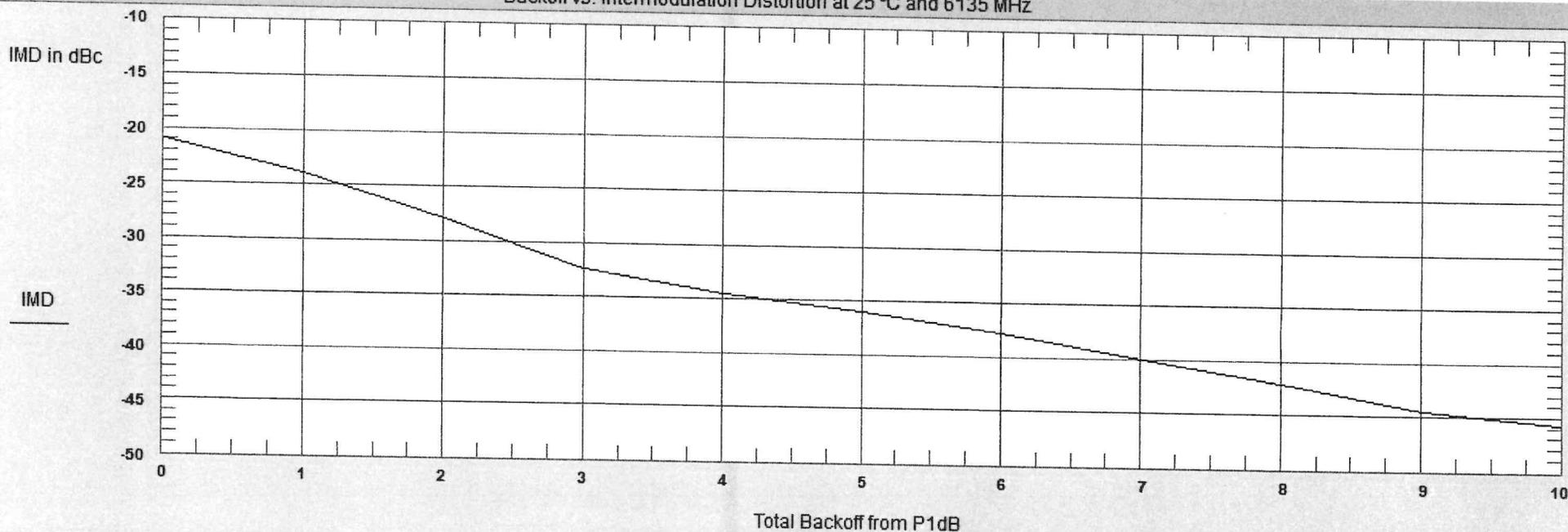
Spec equals desired attenuation ± 20%

Comtech EF Data Intermod. Test Data Sheet

Model: LPOD VER: 1.6.3

Serial Number: 122572405

Backoff vs. Intermodulation Distortion at 25 °C and 6135 MHz



5850 MHz				
SCL	+55 °C	+25 °C	-40 °C	Spec
-3 dBm	-21.17	-21.83	-22.66	-15
-6 dBm	-29	-29.67	-32	-25
-9 dBm	-36.5	-38	-39.84	-33

6135 MHz				
SCL	+55 °C	+25 °C	-40 °C	Spec
-3 dBm	-20	-20.83	-20.84	-15
-6 dBm	-31.34	-32.34	-32	-25
-9 dBm	-36.66	-37.83	-41	-33

6425 MHz				
SCL	+55 °C	+25 °C	-40 °C	Spec
-3 dBm	-18.33	-18.83	-20.17	-15
-6 dBm	-27.67	-28	-27.67	-25
-9 dBm	-35.33	-36	-37.5	-33

Pass

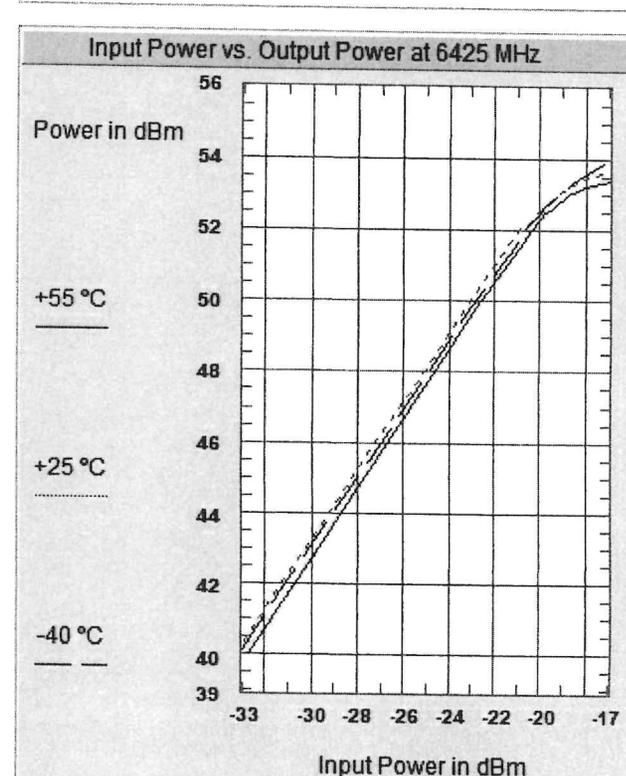
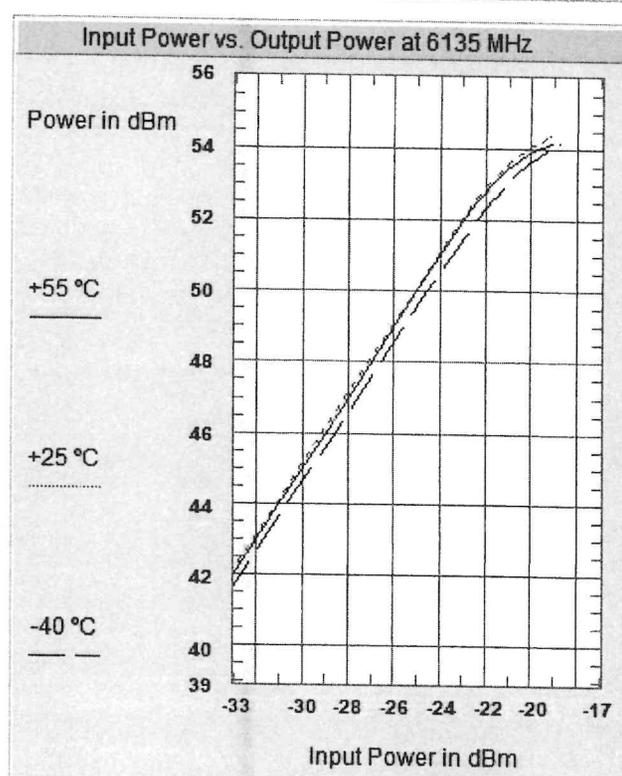
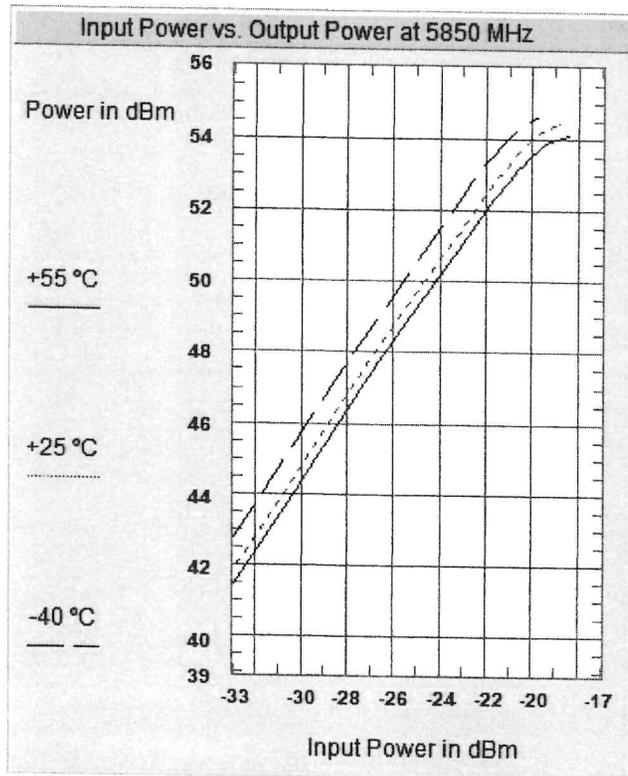
Pass

Pass

Comtech EF Data Compression Test Data Sheet

Model: LPOD VER: 1.6.3

Serial Number: 122572405



Test Temp	Amp. Temp	5850 MHz	P / F	Spec dBm
+55 °C	+80 °C	53.83	Pass	53
+25 °C	+53 °C	54.11	Pass	53
-40 °C	-1 °C	54.29	Pass	53

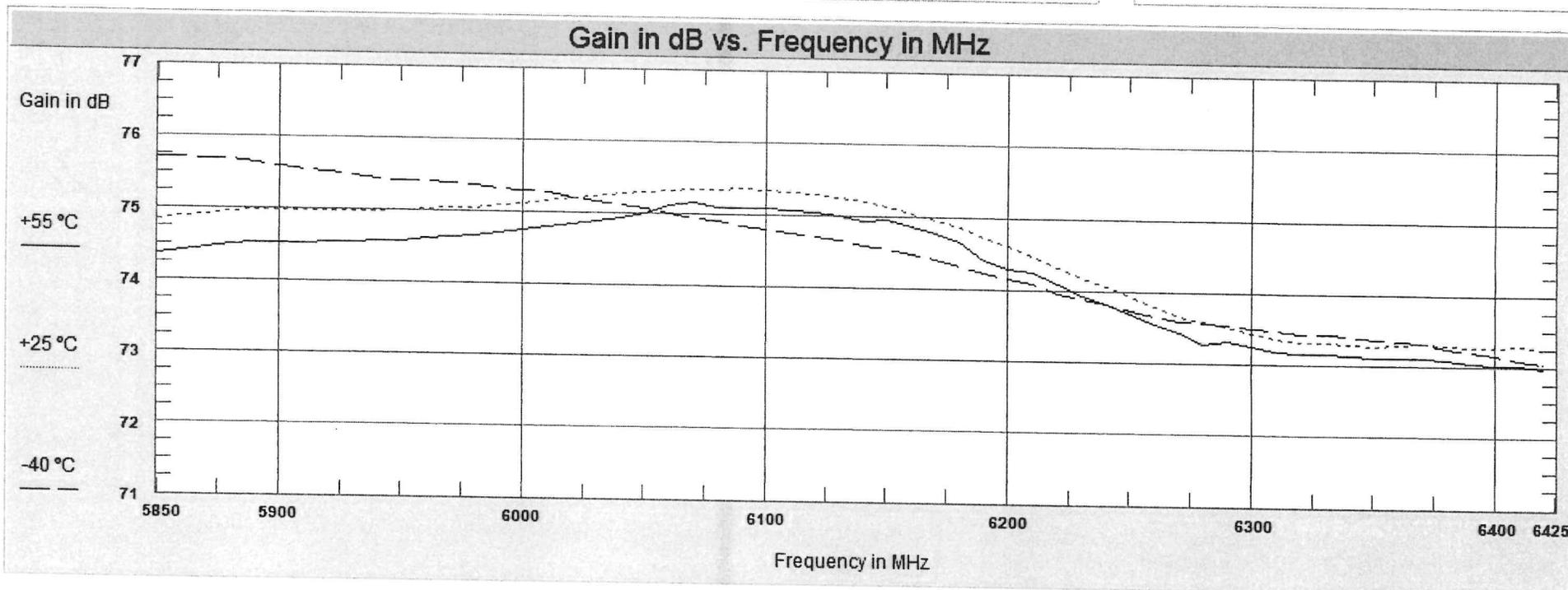
6135 MHz	P / F	Spec dBm
53.79	Pass	53
53.95	Pass	53
53.47	Pass	53

6425 MHz	P / F	Spec dBm
53.85	Pass	53
53.6	Pass	53
53.09	Pass	53

Comtech EF Data Gain Flatness Test Data Sheet

Model: LPOD VER: 1.6.3

Serial Number: 122572405



Test Temp	Delta across entire BW	P / F	Spec in dB	Test Temp	Worst 40 MHz delta	P / F	Spec in dB	Start Freq	Stop Freq
+55 °C	2.197	Pass	3	+55 °C	0.583	Pass	0.6	6.16G	6.2G
+25 °C	2.104	Pass	3	+25 °C	0.559	Pass	0.6	6.2G	6.24G
-40 °C	2.689	Pass	3	-40 °C	0.364	Pass	0.6	6.18G	6.22G
Worst delta over temperature			P / F	Spec in dB	Delta at 6135 MHz over temperature			P / F	Spec in dB
1.346			Pass	3	0.598			Pass	1.7