

**Silicon Valley Test & Meas.
Performance Test Report**

12/18/19 9:56
Stock Number: 436
Serial Number: US37230548

DUT Driver: DUT Driver.vi

Protocol: TP006-08



INSTRUMENTS USED

Hewlett-Packard, ESG-D4000B, US37230548, B.01.03
Rohde&Schwarz,FSQ-3,200078/003,4.45
GIGA-TRONICS,8652A,8651814,1.58
HEWLETT-PACKARD,53131A,0,3944

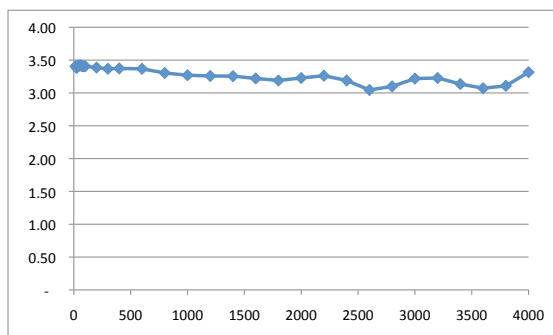
10 MHZ REFERENCE FREQUENCY ACCURACY

	MEAS.	PPM
INTERNAL OSC.	10,000,000.50	0.050

LEVEL FLATNESS (SETPOINT 3.5DBM)

MHZ	DBM
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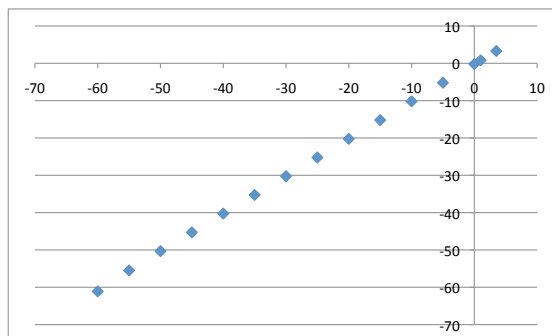
15	3.41
25	3.38
35	3.42
45	3.42
55	3.42
65	3.42
75	3.41
85	3.41
100	3.41
200	3.39
300	3.37
400	3.37
600	3.37
800	3.30
1000	3.27
1200	3.26
1400	3.26
1600	3.22
1800	3.19
2000	3.23
2200	3.26
2400	3.19
2600	3.05
2800	3.10
3000	3.22
3200	3.23
3400	3.14
3600	3.07
3800	3.11
4000	3.32



ATTENUATOR LINEARITY (FREQ. 800 MHZ)

DBM SET	DBM MEAS.
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3.5	3.30
1	0.80
0	-0.20
-5	-5.21
-10	-10.20
-15	-15.20
-20	-20.25
-25	-25.23
-30	-30.24
-35	-35.26
-40	-40.27
-45	-45.29
-50	-50.34
-55	-55.48
-60	-61.10



SPECTRAL PURITY

FREQUENCY (MHZ)	FUND. (DBM)	1ST HARM.	2ND HARM.	dBc
100	3.110383272	-54.780598	-56.606838	-57.89
500	2.792147875	-41.677597	-53.127693	-44.47
1000	2.599863529	-43.362179	-57.388378	-45.96

PHASE NOISE

500 MHz	-122.23 dBc/Hz
1 GHz	-118.87
2 GHz	-114.79
3 GHz	-109.57