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VG-4231CA 30.72MHz
Phase noise data / different Vc and temperature

19th April 2013

SEIKO EPSON CORPORATION

TD Production Engineering Department

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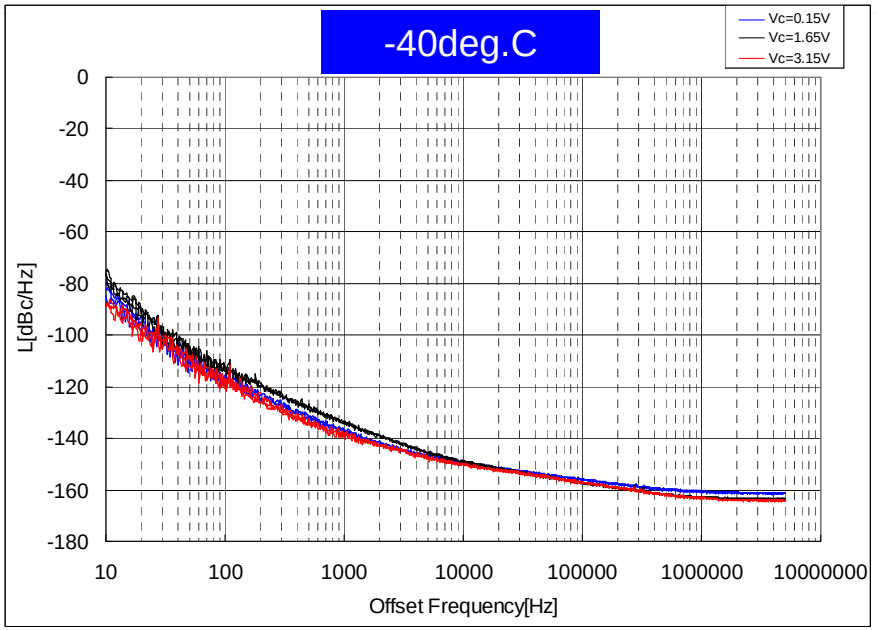


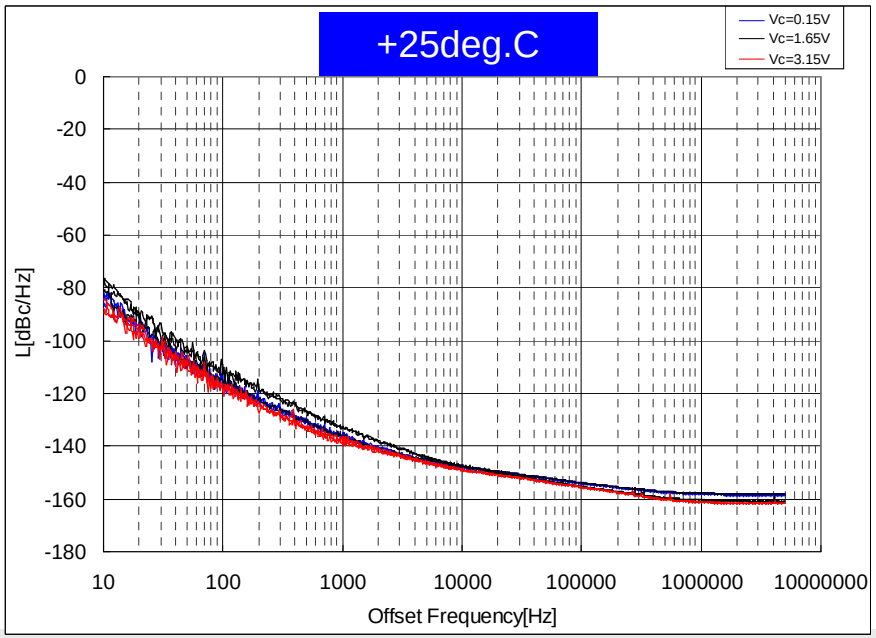
SSB Phase Noise

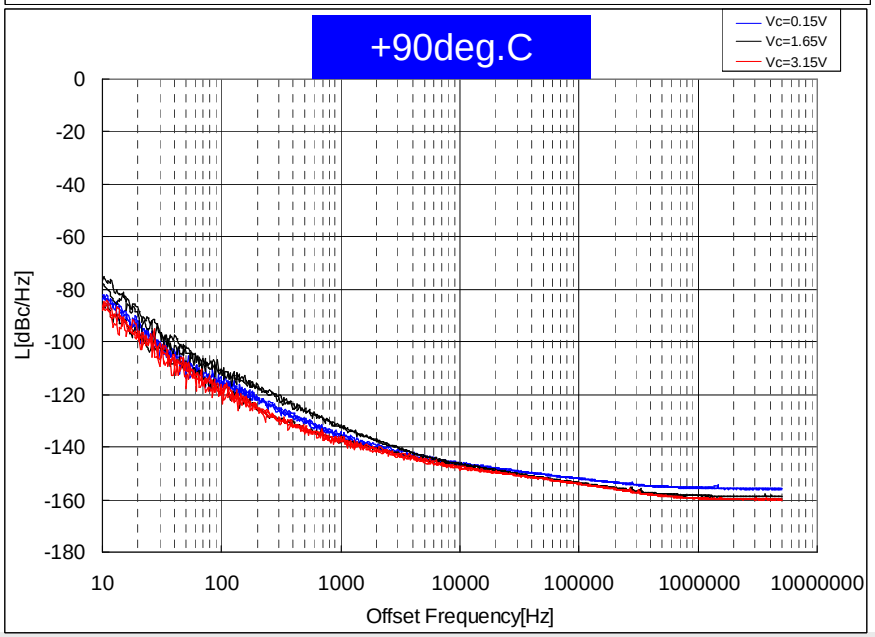
VG-4231CA 30.72MHz
Ta=-40deg.C, +25deg.C, +90deg.C
Vcc=3.3V,Vc=0.15V, 1.65V, 3.15V, n=3pcs

Average(n=3pcs) unit:dBc/Hz

Offset	Ta=-40deg.C			Ta=+25deg.C			Ta=+85deg.C		
Frequency	Vc=0.15V	Vc=1.65V	Vc=3.15V	Vc=0.15V	Vc=1.65V	Vc=3.15V	Vc=0.15V	Vc=1.65V	Vc=3.15V
10Hz	-82	-76	-88	-83	-81	-87	-83	-83	-82
100Hz	-117	-113	-119	-116	-114	-118	-119	-115	-115
1kHz	-137	-134	-138	-135	-134	-137	-139	-135	-135
10kHz	-149	-149	-150	-146	-147	-148	-149	-146	-147
100kHz	-156	-157	-157	-152	-154	-154	-156	-152	-154
1MHz	-161	-163	-163	-156	-159	-159	-161	-155	-159
5MHz	-161	-163	-164	-156	-159	-160	-162	-156	-159







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