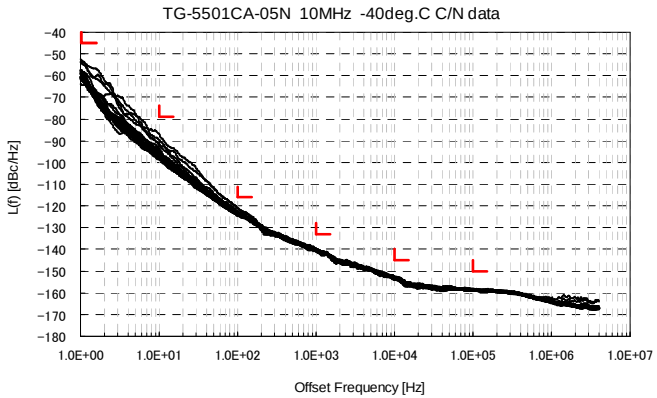
Huawei TG-5501CA-05N 10MHz Phase Noise

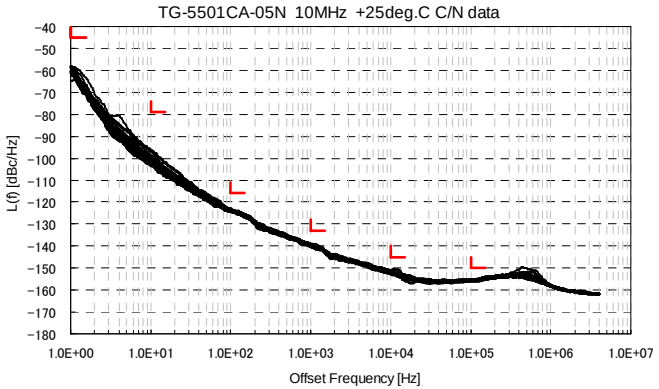
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Phase Noise Data

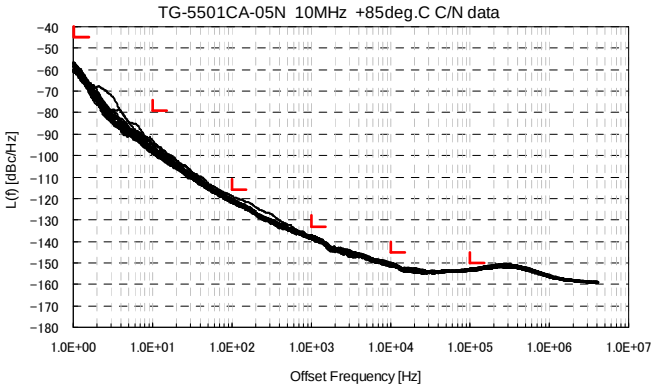
	Offset F.	C/N [dBc/Hz]																								Huawei Typ. Spec.	Epson Typ. Spec.	Epson Max. Spec.
		Sample Data																				Ave.	σ	Max.	Min.			
		No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	No.11	No.12	No.13	No.14	No.15	No.16	No.17	No.18	No.19	No.20							
@-40deg.C	1Hz	-59	-61	-61	-57	-62	-64	-58	-53	-60	-58	-60	-61	-61	-59	-52	-58	-54	-61	-58	-61	-59	2.9	-52	-64	-	-	-45
	10Hz	-98	-98	-95	-96	-98	-98	-91	-87	-96	-98	-98	-98	-94	-95	-90	-96	-92	-98	-93	-98	-95	3.2	-87	-98	-	-	-79
	100Hz	-124	-124	-124	-124	-124	-123	-123	-121	-124	-124	-124	-124	-122	-124	-121	-123	-123	-124	-123	-123	-123	0.9	-121	-124	-	-	-116
	1kHz	-140	-140	-140	-141	-141	-140	-140	-140	-140	-140	-141	-140	-140	-140	-141	-140	-140	-140	-140	-140	-140	0.3	-140	-141	-	-	-133
	10kHz	-153	-154	-153	-153	-153	-153	-154	-153	-153	-154	-153	-152	-153	-154	-153	-153	-153	-153	-153	-153	-153	0.4	-152	-154	-	-	-145
	100kHz	-159	-159	-159	-159	-159	-158	-159	-159	-159	-159	-158	-159	-159	-159	-159	-158	-159	-158	-159	-158	-159	0.2	-158	-159	-	-	-150
@+25deg.C	1Hz	-60	-61	-58	-58	-60	-59	-60	-61	-59	-61	-59	-65	-58	-59	-58	-61	-61	-62	-58	-61	-60	1.7	-58	-65	-	-50	-45
	10Hz	-102	-102	-100	-96	-103	-103	-101	-100	-99	-102	-103	-102	-97	-100	-99	-101	-99	-103	-100	-102	-101	2.0	-96	-103	-80	-88	-79
	100Hz	-124	-124	-124	-123	-124	-124	-124	-124	-124	-124	-124	-124	-124	-123	-124	-123	-124	-124	-123	-124	-124	0.3	-123	-124	-119	-121	-116
	1kHz	-139	-140	-139	-140	-139	-140	-140	-139	-139	-139	-139	-140	-140	-140	-140	-139	-140	-139	-139	-139	-140	0.4	-139	-140	-135	-137	-133
	10kHz	-153	-152	-152	-153	-152	-152	-152	-152	-152	-152	-152	-151	-151	-152	-152	-152	-151	-152	-153	-152	-152	0.4	-151	-153	-145	-148	-145
	100kHz	-156	-156	-156	-156	-156	-155	-156	-155	-156	-155	-155	-156	-156	-156	-156	-155	-155	-156	-156	-156	-156	0.3	-155	-156	-150	-153	-150
@+85deg.C	1Hz	-58	-57	-57	-61	-57	-60	-58	-59	-59	-60	-60	-59	-60	-58	-60	-60	-57	-60	-60	-60	-59	1.5	-57	-61	-	-	-45
	10Hz	-97	-98	-98	-97	-97	-98	-96	-95	-97	-98	-99	-97	-98	-94	-99	-97	-93	-98	-95	-95	-97	1.6	-93	-99	-	-	-79
	100Hz	-121	-122	-121	-122	-121	-121	-120	-121	-121	-121	-122	-122	-122	-119	-122	-121	-120	-121	-121	-122	-121	0.7	-119	-122	-	-	-116
	1kHz	-139	-138	-137	-138	-138	-138	-137	-138	-139	-139	-139	-139	-139	-138	-139	-138	-139	-138	-139	-138	-138	0.5	-137	-139	-	-	-133
	10kHz	-150	-151	-151	-151	-151	-150	-150	-151	-152	-152	-151	-151	-151	-151	-151	-151	-151	-151	-151	-151	-151	0.4	-150	-152	-	-	-145
	100kHz	-153	-153	-153	-153	-153	-153	-153	-153	-154	-153	-153	-153	-154	-153	-153	-153	-153	-154	-153	-154	-153	0.2	-153	-154	-	-	-150



-40 degC.



+25 degC.



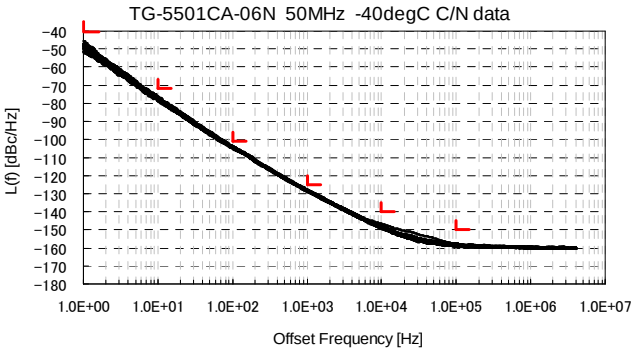
+85 degC.

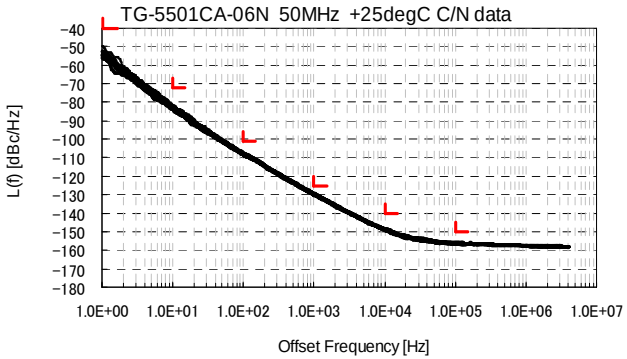
Huawei TG-5501CA-06N 50MHz Phase Noise

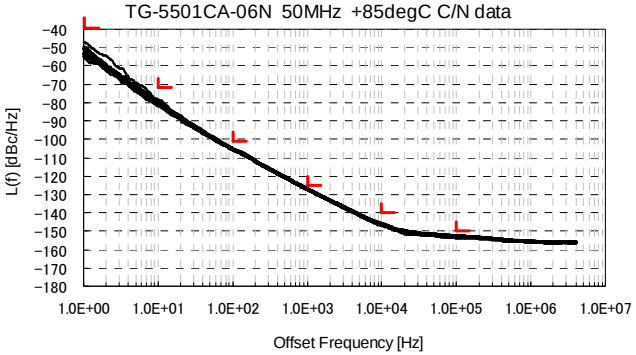
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Phase Noise Data

	Offset F.	C/N [dBc/Hz]																									
		Sample Data																							Huawei Typ. Spec.	Huawei Max. Spec.	Epson Typ. Spec.	Spson Max. Spec.
		No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	No.11	No.12	No.13	No.14	No.15	No.16	No.17	No.18	No.19	No.20	Ave.	σ	Max.	Min.				
@-40deg.C	1Hz	-52	-47	-48	-50	-47	-49	-49	-47	-45	-51	-49	-49	-50	-49	-49	-49	-46	-49	-47	-51	-49	1.7	-45	-52	-	-	-	-40
	10Hz	-77	-77	-78	-78	-77	-78	-78	-77	-78	-79	-78	-78	-77	-78	-77	-79	-78	-77	-78	-77	-78	0.5	-77	-79	-	-	-	-72
	100Hz	-104	-104	-104	-105	-104	-104	-105	-105	-105	-105	-105	-105	-104	-105	-105	-105	-105	-104	-105	-105	-105	0.3	-104	-105	-	-	-	-101
	1kHz	-128	-128	-128	-129	-128	-128	-128	-128	-129	-129	-129	-129	-128	-128	-128	-129	-128	-129	-128	-128	-128	0.2	-128	-129	-	-	-	-125
	10kHz	-148	-149	-149	-149	-149	-149	-149	-148	-149	-149	-149	-149	-149	-149	-149	-149	-149	-147	-149	-149	-149	0.6	-147	-149	-	-140	-	-143
	100kHz	-159	-159	-158	-159	-159	-159	-159	-159	-159	-159	-158	-158	-159	-158	-158	-158	-159	-158	-159	-159	-158	0.4	-158	-159	-	-150	-	-150
@+25deg.C	1Hz	-56	-54	-53	-55	-53	-55	-56	-50	-53	-55	-54	-54	-52	-55	-55	-53	-53	-55	-52	-53	-54	1.5	-50	-56	-	-	-45	-40
	10Hz	-84	-83	-82	-84	-83	-84	-84	-83	-83	-83	-84	-83	-83	-84	-82	-82	-82	-83	-83	-83	-83	0.7	-82	-84	-79	-	-79	-72
	100Hz	-109	-108	-108	-109	-107	-108	-108	-108	-108	-108	-109	-108	-107	-108	-108	-108	-108	-108	-108	-108	-108	0.5	-107	-109	-112	-	-105	-101
	1kHz	-130	-129	-130	-130	-129	-130	-130	-130	-130	-130	-130	-130	-129	-130	-130	-130	-130	-129	-130	-130	-130	0.3	-129	-130	-137	-	-128	-125
	10kHz	-149	-149	-149	-149	-148	-149	-149	-149	-149	-148	-149	-149	-148	-149	-148	-149	-149	-149	-149	-149	-149	0.3	-148	-149	-149	-140	-147	-143
	100kHz	-156	-157	-156	-156	-157	-157	-156	-157	-157	-157	-156	-157	-157	-157	-156	-156	-156	-156	-156	-157	-156	0.3	-156	-157	-151	-150	-153	-150
@+85deg.C	1Hz	-54	-53	-51	-55	-49	-51	-50	-51	-51	-52	-55	-53	-53	-53	-47	-50	-51	-50	-51	-50	-52	2.0	-47	-55	-	-	-	-40
	10Hz	-80	-80	-80	-81	-79	-80	-81	-81	-81	-81	-82	-80	-80	-80	-79	-80	-81	-80	-80	-81	-81	0.7	-79	-82	-	-	-	-72
	100Hz	-106	-105	-105	-106	-105	-106	-106	-106	-106	-106	-106	-106	-105	-106	-105	-106	-106	-105	-106	-105	-106	0.3	-105	-106	-	-	-	-101
	1kHz	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	-127	0.2	-127	-127	-	-	-	-125
	10kHz	-146	-146	-147	-146	-146	-147	-146	-146	-146	-147	-147	-146	-146	-146	-146	-146	-146	-146	-146	-147	-146	0.2	-146	-147	-	-140	-	-143
	100kHz	-153	-153	-153	-153	-153	-153	-153	-153	-153	-153	-153	-153	-153	-152	-153	-153	-153	-153	-153	-153	-153	0.2	-152	-153	-	-150	-	-150







-40 degC.

+25 degC.

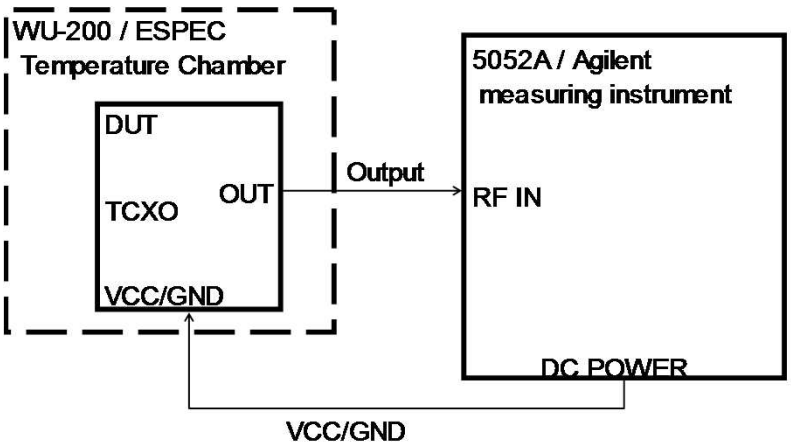
+85 degC.

Phase Noise Data Measurement Environment

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Measurement Environment for Huawei

for TG-5501CA-05N(10MHz)/TG-5501CA-06N(50MHz)



Measurement condition
VCC_dc : 5.0V@10MHz / 3.3V@50MHz
Ta : -40Deg/25Deg/85Deg

5032A Settings
Sweep frequency :1Hz ～5MHz 865pts
Freq Band:10M-41M@10MHz,
39 M to 101 MHz@50MHz

Low Opt :<150kHz
ATT :0dB
Average factor:3
Correlation:4

