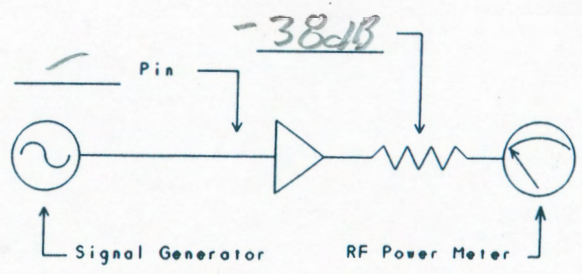


Dudley Lab Date: 8-25-20

Item: 8001 SN: 197

Item: - SN: -

Ek: / kV
Eb: / kV
Ea: / V
Ef: / V



Helix I 2 mA
Pin: / dBm

Dudley Lab
hdudley@dudleylab.com
Date: 8/25/20
Documents

18-26.5 GHz



Markers

No. Frequency
 (Hz)

Chan. 1
 (dBm)

Dudley Lab Date 8/25/20

SN- 197 Pin (dBm) -10

Sheet 1 Page 1 of 2

No.	Frequency (Hz)	Chan. 1 (dBm)
0	1.8E+10	- 8.219
1	1.807E+10	- 7.459
2	1.814E+10	- 6.489
3	1.821E+10	- 6.033
4	1.828E+10	- 5.838
5	1.835E+10	- 5.344
6	1.842E+10	- 5.931
7	1.849E+10	- 5.786
8	1.856E+10	- 5.940
9	1.863E+10	- 6.448
10	1.87E+10	- 6.407
11	1.877E+10	- 6.439
12	1.884E+10	- 6.706
13	1.891E+10	- 6.788
14	1.898E+10	- 6.700
15	1.905E+10	- 6.242
16	1.912E+10	- 6.396
17	1.919E+10	- 6.747
18	1.926E+10	- 6.379
19	1.933E+10	- 6.330
20	1.94E+10	- 6.206
21	1.947E+10	- 6.299
22	1.954E+10	- 6.412
23	1.961E+10	- 5.377
24	1.968E+10	- 5.610
25	1.975E+10	- 5.426
26	1.982E+10	- 5.335
27	1.989E+10	- 5.264
28	1.996E+10	- 5.665
29	2.003E+10	- 5.506
30	2.01E+10	- 5.624
31	2.017E+10	- 5.151
32	2.024E+10	- 4.882
33	2.031E+10	- 4.770
34	2.038E+10	- 4.695
35	2.045E+10	- 5.014
36	2.052E+10	- 5.335
37	2.059E+10	- 5.105
38	2.066E+10	- 4.824
39	2.073E+10	- 4.138
40	2.08E+10	- 4.223
41	2.087E+10	- 4.223
42	2.094E+10	- 4.220
43	2.101E+10	- 4.440
44	2.108E+10	- 4.360
45	2.115E+10	- 4.168
46	2.122E+10	- 3.970
47	2.129E+10	- 4.223

8001 HVV opt J

SN-197

Pin -10 dBm

-38

48	2.136E+10	-	4.613
49	2.143E+10	-	4.566
50	2.15E+10	-	4.671
51	2.157E+10	-	4.649
52	2.164E+10	-	4.553
53	2.171E+10	-	4.429
54	2.178E+10	-	4.654
55	2.185E+10	-	4.742
56	2.192E+10	-	4.671
57	2.199E+10	-	4.978
58	2.206E+10	-	4.366
59	2.213E+10	-	3.542
60	2.22E+10	-	2.954
61	2.227E+10	-	3.382
62	2.234E+10	-	3.962
63	2.241E+10	-	4.204
64	2.248E+10	-	4.077
65	2.255E+10	-	4.108
66	2.262E+10	-	4.017
67	2.269E+10	-	4.193
68	2.276E+10	-	4.432
69	2.283E+10	-	4.802
70	2.29E+10	-	5.028
71	2.297E+10	-	4.833
72	2.304E+10	-	4.706
73	2.311E+10	-	4.767
74	2.318E+10	-	4.495
75	2.325E+10	-	4.454
76	2.332E+10	-	4.379
77	2.339E+10	-	4.143
78	2.346E+10	-	4.319
79	2.353E+10	-	4.544
80	2.36E+10	-	4.698
81	2.367E+10	-	4.607
82	2.374001E+10	-	4.553
83	2.381E+10	-	4.498
84	2.388E+10	-	4.616
85	2.395E+10	-	4.665
86	2.402E+10	-	4.687
87	2.409E+10	-	4.682
88	2.416E+10	-	4.781
89	2.423E+10	-	4.748
90	2.43E+10	-	4.709
91	2.437E+10	-	4.649
92	2.444E+10	-	4.882
93	2.451E+10	-	5.209
94	2.458E+10	-	5.819
95	2.465001E+10	-	7.137
96	2.472001E+10	-	6.948
97	2.479E+10	-	5.525
98	2.486E+10	-	6.706
99	2.493E+10	-	7.008
100	2.5E+10	-	7.192

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SN- 197 Pin (dBm) -10

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← 38-3 = +35dBm

No.	Frequency (Hz)	Chan. 1 (dBm)
0	2.5E+10	- 4.327
1	2.5015E+10	- 4.388
2	2.503E+10	- 4.451
3	2.5045E+10	- 4.553
4	2.506E+10	- 4.629
5	2.5075E+10	- 4.737
6	2.509E+10	- 4.868
7	2.5105E+10	- 4.970
8	2.512E+10	- 5.080
9	2.5135E+10	- 5.206
10	2.515E+10	- 5.352
11	2.5165E+10	- 5.481
12	2.518E+10	- 5.541
13	2.5195E+10	- 5.594
14	2.521E+10	- 5.668
15	2.5225E+10	- 5.731
16	2.524E+10	- 5.756
17	2.5255E+10	- 5.728
18	2.527E+10	- 5.703
19	2.5285E+10	- 5.736
20	2.53E+10	- 5.687
21	2.5315E+10	- 5.541
22	2.533E+10	- 5.368
23	2.5345E+10	- 5.225
24	2.536E+10	- 5.135
25	2.5375E+10	- 5.041
26	2.539E+10	- 4.956
27	2.5405E+10	- 4.874
28	2.542E+10	- 4.802
29	2.5435E+10	- 4.720
30	2.545E+10	- 4.635
31	2.5465E+10	- 4.577
32	2.548E+10	- 4.514
33	2.5495E+10	- 4.492
34	2.551E+10	- 4.481
35	2.5525E+10	- 4.451
36	2.554E+10	- 4.426
37	2.5555E+10	- 4.407
38	2.557E+10	- 4.407
39	2.5585E+10	- 4.443
40	2.56E+10	- 4.525
41	2.5615E+10	- 4.629
42	2.563E+10	- 4.728
43	2.564499E+10	- 4.824
44	2.566E+10	- 4.948
45	2.5675E+10	- 5.096
46	2.569E+10	- 5.264
47	2.5705E+10	- 5.429
48	2.572E+10	- 5.563
49	2.5735E+10	- 5.679
50	2.575E+10	- 5.778
51	2.576499E+10	- 5.838
52	2.578E+10	- 5.874
53	2.5795E+10	- 5.901
54	2.580999E+10	- 5.934
55	2.5825E+10	- 5.951

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SN- 197 Pin (dBm) 0.0

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PIN 0 dBm

56	2.584E+10	-	5.929
57	2.5855E+10	-	5.923
58	2.587E+10	-	5.904
59	2.5885E+10	-	5.912
60	2.59E+10	-	5.882
61	2.5915E+10	-	5.780
62	2.592999E+10	-	5.687
63	2.5945E+10	-	5.679
64	2.595999E+10	-	5.750
65	2.5975E+10	-	5.819
66	2.599E+10	-	5.898
67	2.6005E+10	-	6.003
68	2.602E+10	-	6.124
69	2.6035E+10	-	6.107
70	2.605E+10	-	5.901
71	2.6065E+10	-	5.654
72	2.607999E+10	-	5.533
73	2.609499E+10	-	5.448
74	2.611E+10	-	5.289
75	2.6125E+10	-	5.132
76	2.614E+10	-	5.080
77	2.615499E+10	-	5.080
78	2.617E+10	-	4.992
79	2.6185E+10	-	4.824
80	2.619999E+10	-	4.761
81	2.6215E+10	-	4.775
82	2.623E+10	-	4.781
83	2.624499E+10	-	4.761
84	2.625999E+10	-	4.781
85	2.6275E+10	-	4.824
86	2.629E+10	-	4.877
87	2.6305E+10	-	4.918
88	2.631999E+10	-	4.951
89	2.6335E+10	-	5.000
90	2.635E+10	-	5.085
91	2.636499E+10	-	5.151
92	2.638E+10	-	5.113
93	2.639499E+10	-	5.014
94	2.640999E+10	-	5.011
95	2.6425E+10	-	5.014
96	2.644E+10	-	4.929
97	2.6455E+10	-	4.772
98	2.646999E+10	-	4.717
99	2.648499E+10	-	4.783
100	2.65E+10	-	4.846

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SN- 197 Pin (dBm) 0.0

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