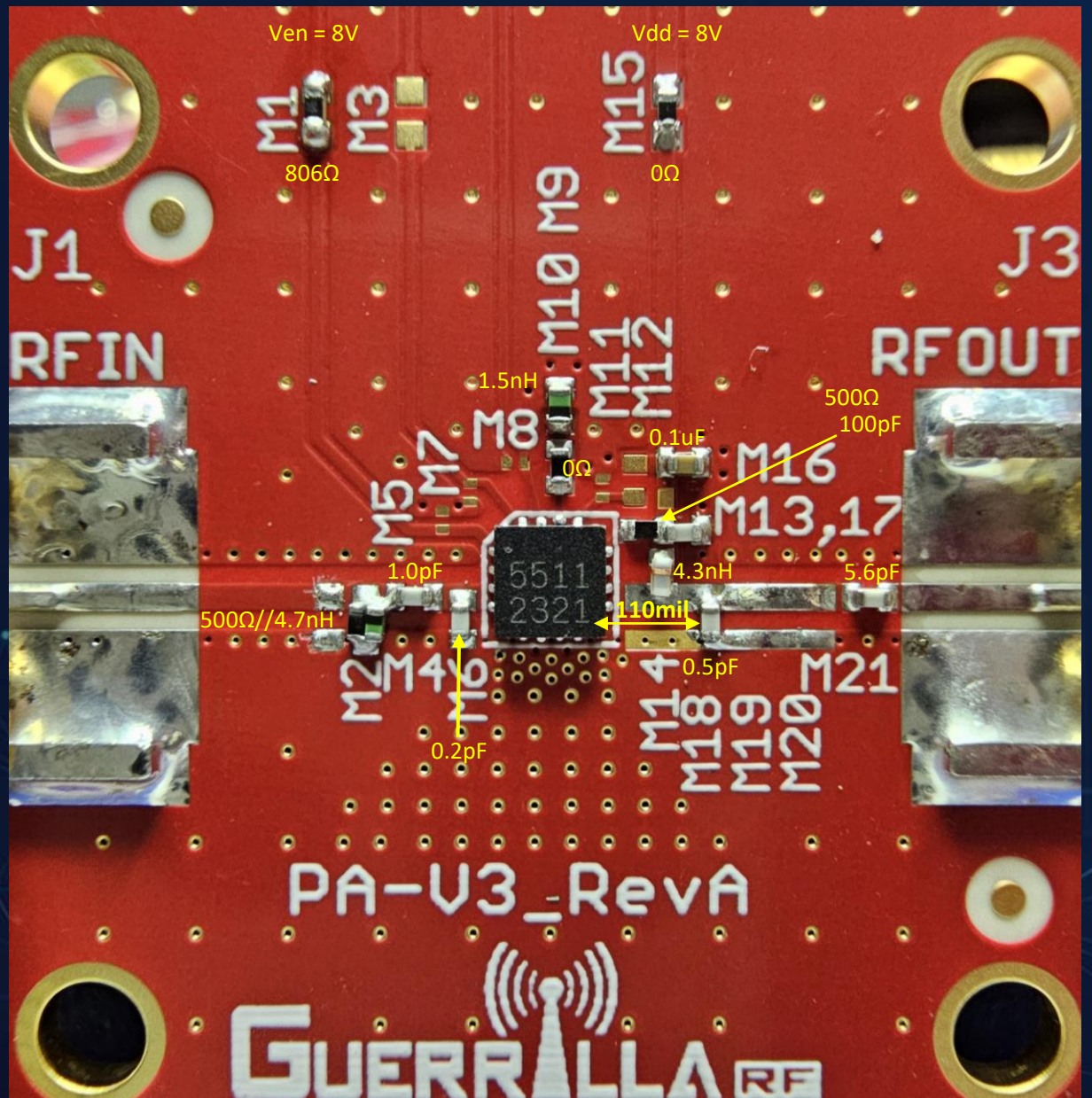
GRF5511 - #405

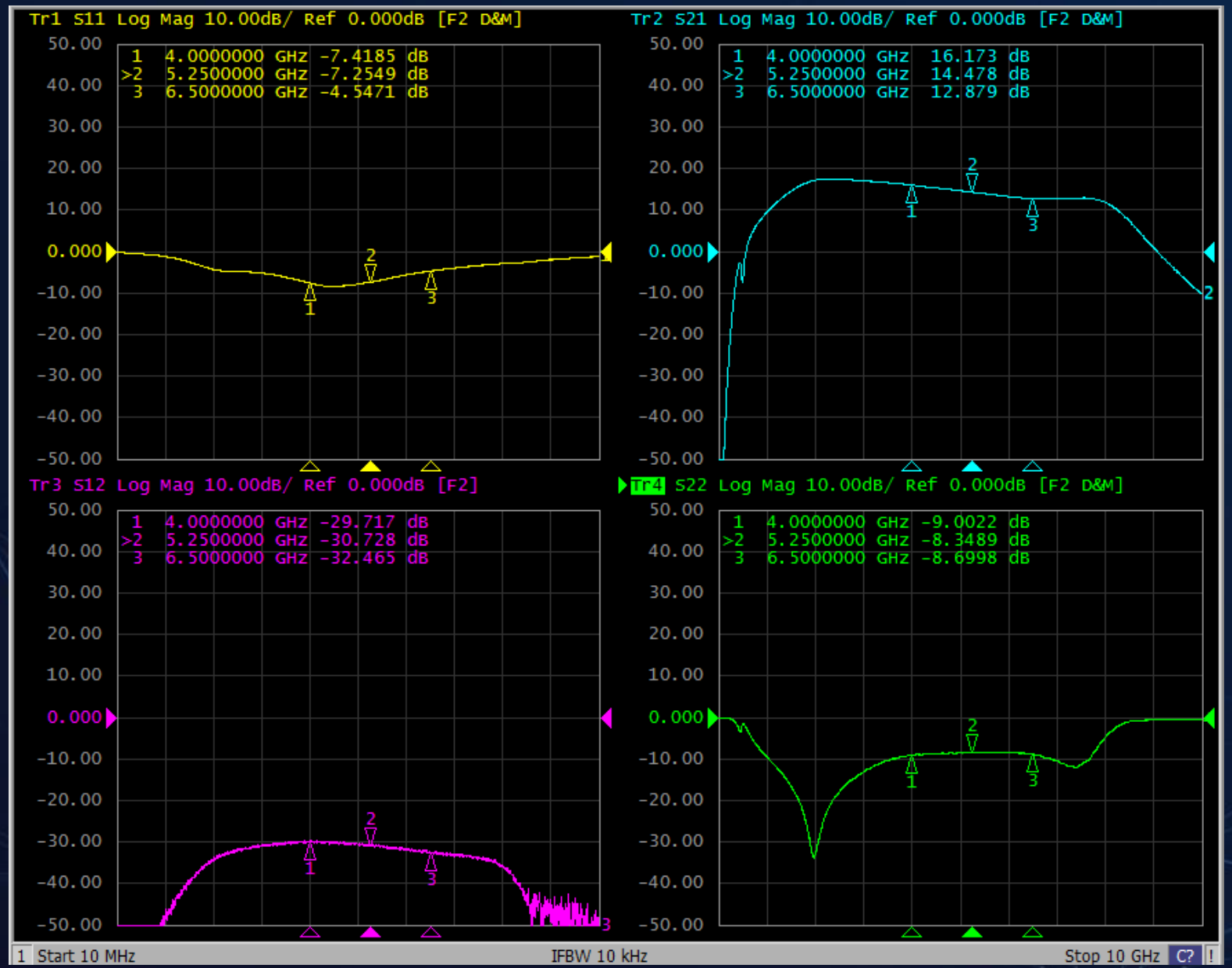
4000 to 6500MHz 8V

NOVEMBER 03, 2026

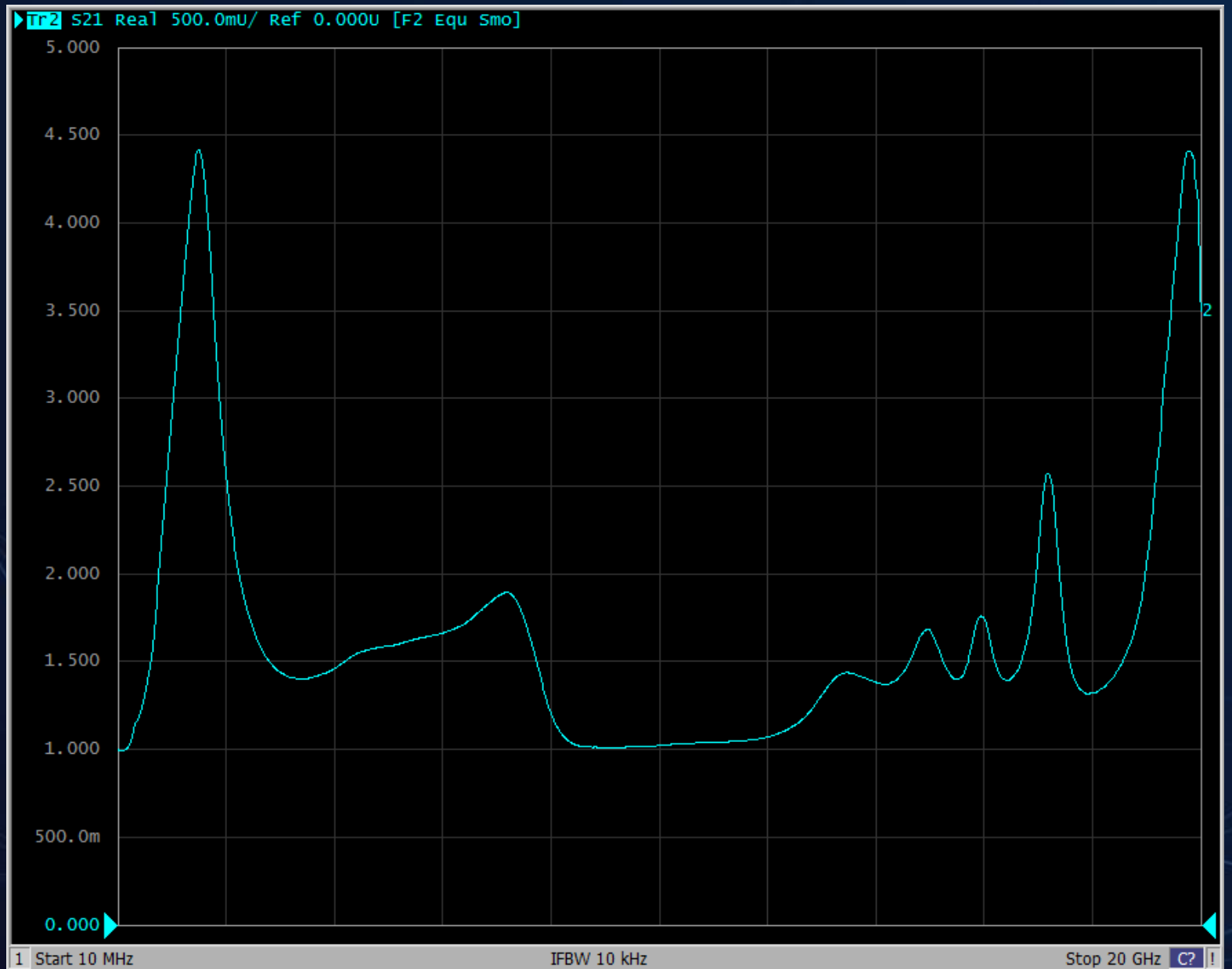
GRF5511 4000-6500MHz 8V Custom BOM



GRF5511 Small Signal Response

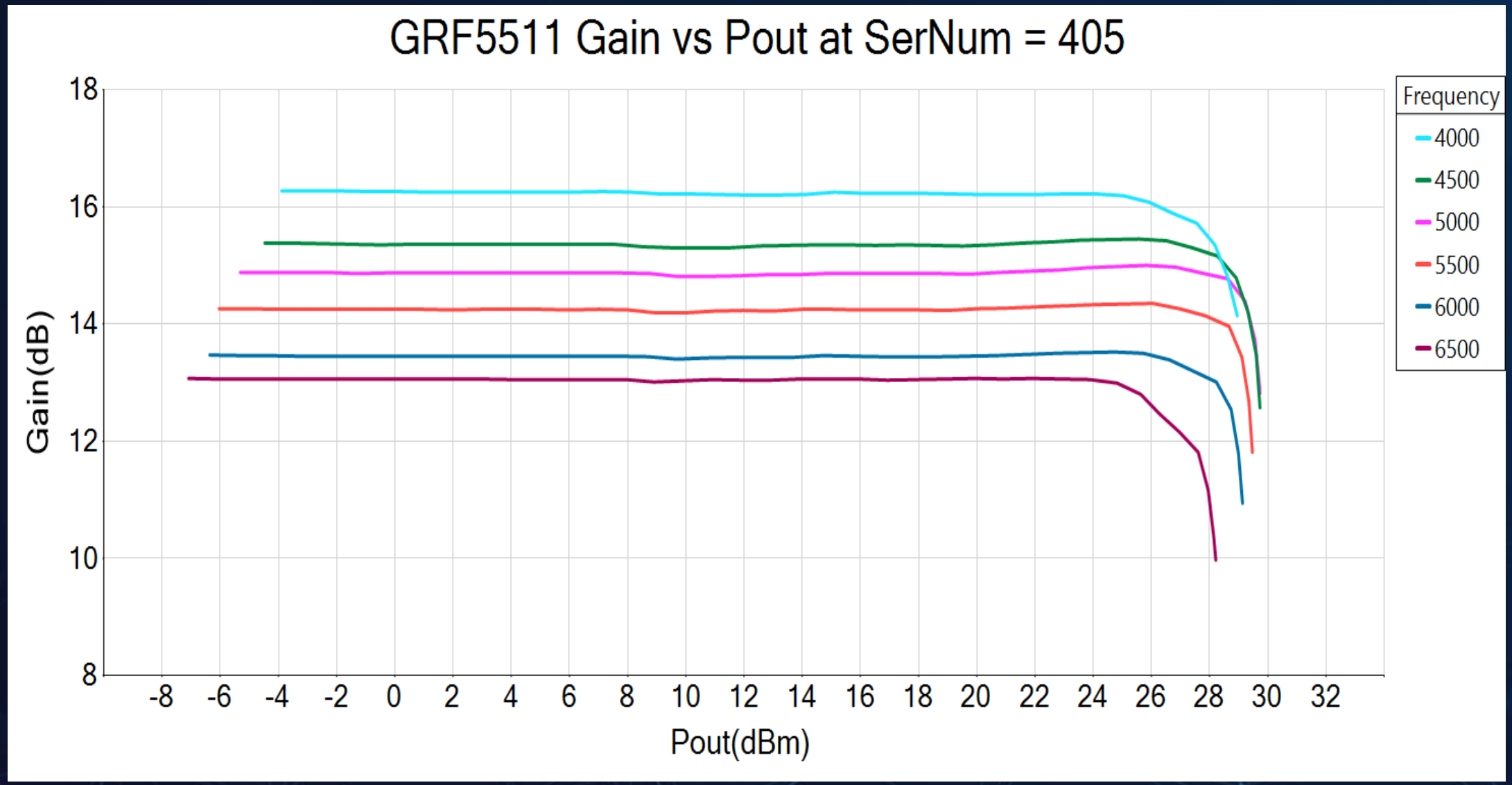


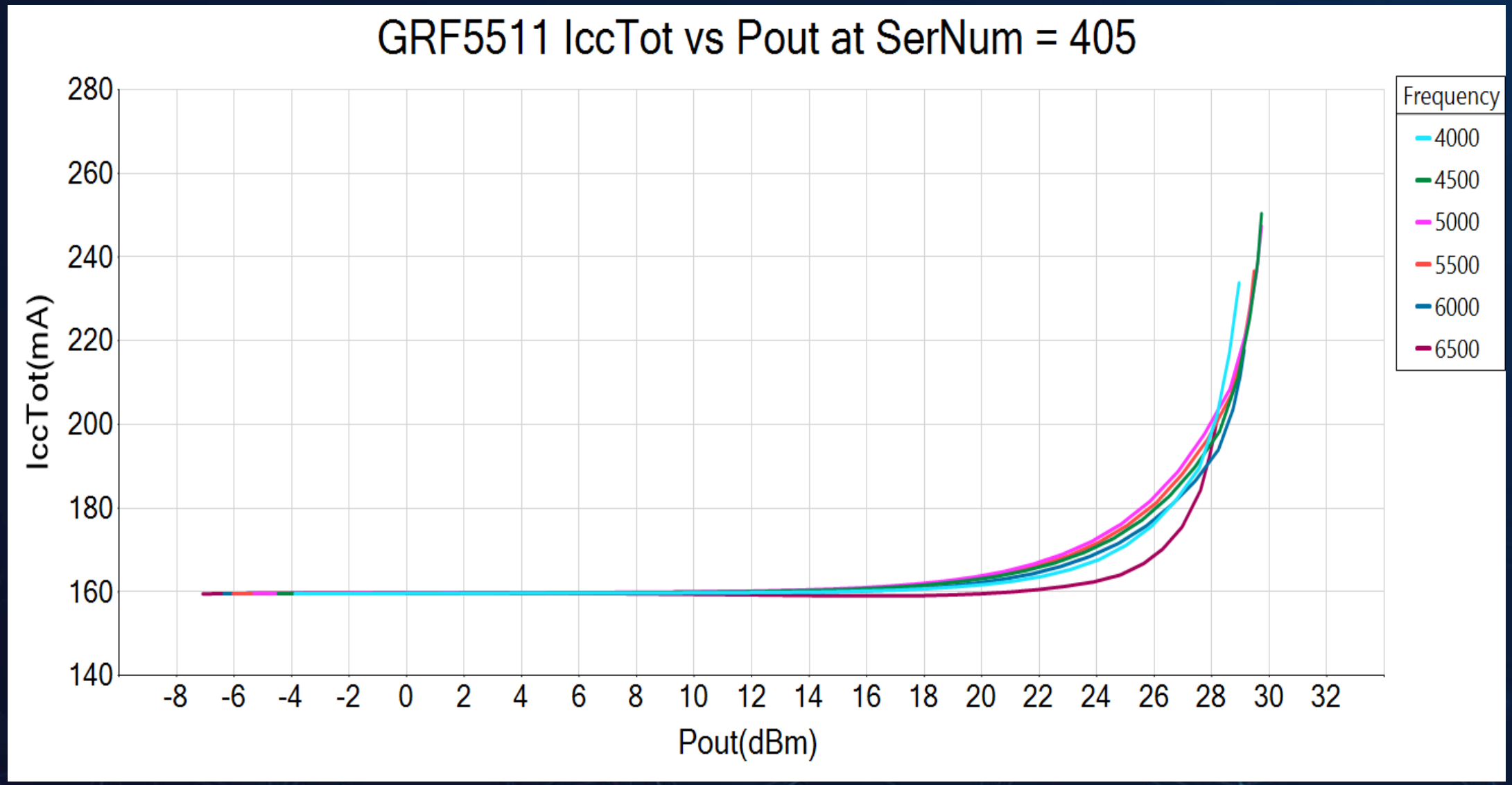
GRF5511 Stability MU

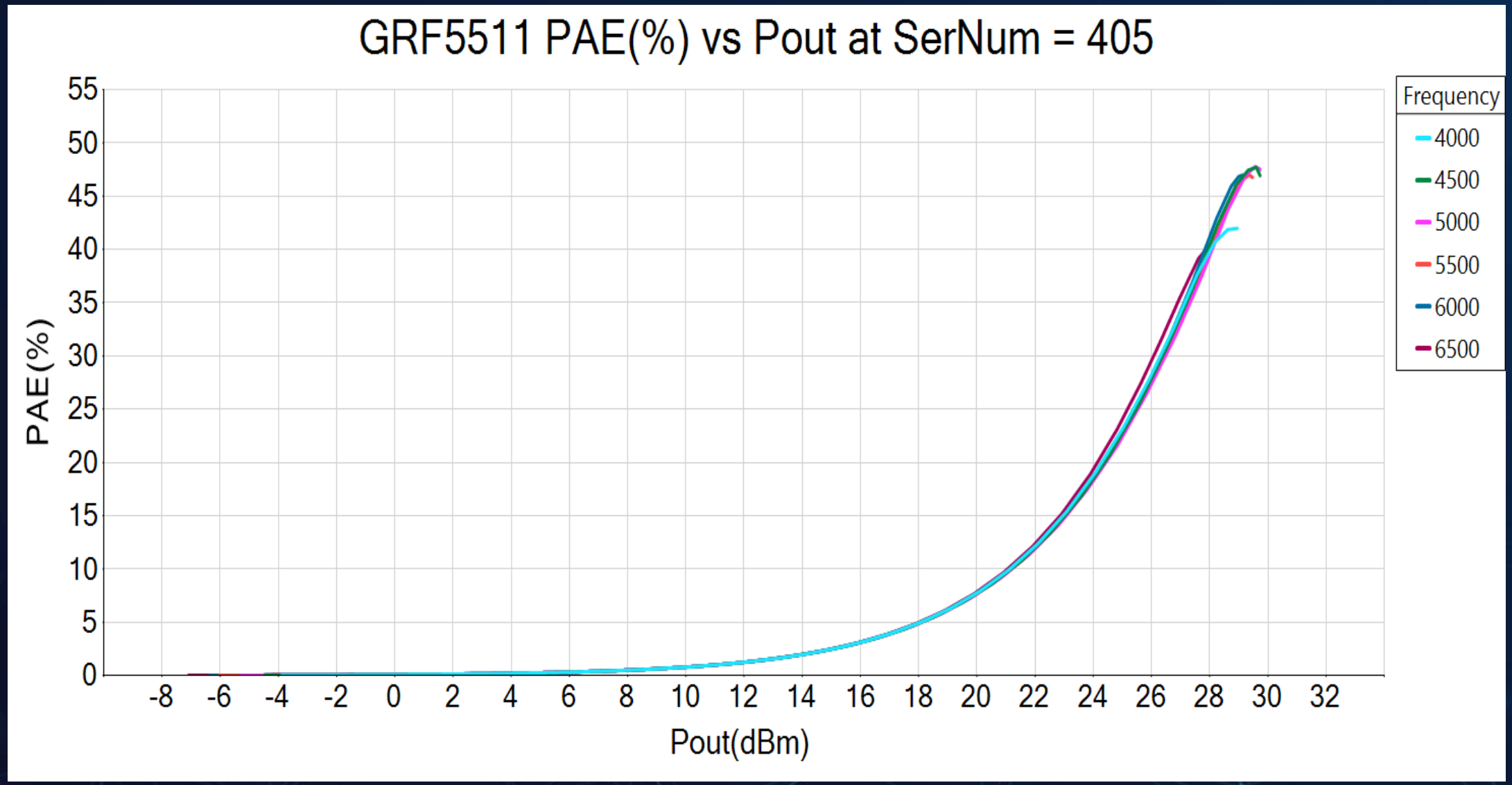


GRF5511 Standard Data Table

Serial #	Temp(°C)	Freq (MHz)	Vcc (V)	Ven (V)	IcqT (mA)	Pout/Ptone (dBm)	Gain (dB)	Tone Spacing (MHz)	OIP3 (dBm)	IP1dB (dBm)	OP1dB (dBm)	PAE @ OP1dB (%)	NF (dB)
405	Room	4000	8	8	160	15	16.3	0.6	40.3	13.2	28.3	41.2	2.6
405	Room	4500	8	8	160	15	15.4	0.6	41.3	14.8	29.3	47.5	2.8
405	Room	5000	8	8	160	15	14.9	0.6	40.4	15.9	29.6	48.2	3.2
405	Room	5500	8	8	160	15	14.3	0.6	41	16.3	29.3	47.1	3.7
405	Room	6000	8	8	160	15	13.5	0.6	41.9	16.2	28.9	46.5	4
405	Room	6500	8	8	160	15	13.1	0.6	42.4	15.2	27.1	36.1	4.2


GRF5511 Gain vs Pout at SerNum = 405
Gain(dB)
18
16
14
12
10
8
-8
-6
-4
-2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
Pout(dBm)
Frequency
4000
4500
5000
5500
6000
6500


GRF5511 IccTot vs Pout at SerNum = 405
IccTot(mA)
280
260
240
220
200
180
160
140
-8
-6
-4
-2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
Pout(dBm)
Frequency
4000
4500
5000
5500
6000
6500


GRF5511 PAE(%) vs Pout at SerNum = 405
PAE(%)
55
50
45
40
35
30
25
20
15
10
5
0
-8
-6
-4
-2
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
Pout(dBm)
Frequency
4000
4500
5000
5500
6000
6500