



	Vs	V	Watts	dBm	dBu	2 line spectra
F(0) =	A*T/2	2.50E-04	0.5000	0.2500	23.979400	23.979400
F(1/T) =	A*T/π	1.59E-04	0.3183	0.1013	20.057003	20.057003
F(2/T) =	0		0.0000	0.000000		
F(3/T) =	(A*T)/(3*π)	5.31E-05	0.1061	0.0113	10.514577	10.514577
F(4/T) =	0		0.0000	0.000000		
F(5/T) =	(A*T)/(5*π)	3.18E-05	0.0637	0.0041	6.077602	6.077602
F(6/T) =	0		0.0000	0.000000		
F(7/T) =	(A*T)/(7*π)	2.27E-05	0.0455	0.0021	3.155042	3.155042
F(8/T) =	0		0.0000	0.000000		
F(9/T) =	(A*T)/(9*π)	1.77E-05	0.0354	0.0013	0.972152	0.972152
F(10/T) =	0		0.0000	0.000000		
F(11/T) =	(A*T)/(11*π)	1.45E-05	0.0289	0.0008	-0.770851	-0.770851
F(12/T) =	0		0.0000	0.000000		
F(13/T) =	(A*T)/(13*π)	1.22E-05	0.0245	0.0006	-2.221865	-2.221865
F(14/T) =	0		0.0000	0.000000		
F(15/T) =	(A*T)/(15*π)	1.06E-05	0.0212	0.0005	-3.464823	

3.72E-01 W

$P = \frac{1}{T} \int_0^T x(t)^2 dt$

$P = \frac{1}{T} \int_0^{2.50E-04} (1)^2 dt = 5.00E-01$

W

W



	Vs	V	Watts	dBm
F(0) =	A*T	2.50E-04	1.00	1.0000
F(1/2T) =	"j*2*A*T/π	1.59E-04	0.64	0.4053
F(1/T) =	0		0.0000	0
F(3/2T) =	j*2*A*T/3*π	5.31E-05	0.21	0.0450
F(2/T) =	0		0.0000	0.00
F(5/2T) =	"j*2*A*T/5*π	3.18E-05	0.13	0.0162
F(3/T) =	0		0.0000	0.00
F(7/2T) =	j*2*A*T/7*π	2.27E-05	0.09	0.0083
F(4/T) =	0		0.0000	0.00
F(9/2T) =	"j*2*A*T/9*π	1.77E-05	0.07	0.0050
F(5/T) =	0		0.0000	0.00
F(11/2T) =	j*2*A*T/11*π	1.45E-05	0.06	0.0033
F(6/T) =	0		0.0000	0.00
F(13/2T) =	"j*2*A*T/13*π	1.22E-05	0.05	0.0024
F(7/T) =	0		0.0000	0.00
F(15/2T) =	"j*2*A*T/15*π	1.06E-05	0.04	0.0018

1.4874 W

$x(t)^2 dt$

$P = \frac{1}{T} \int_0^{2.50E-04} (1)^2 dt = 1.00$

W

0	17.9588	30
2000	10.114005	22.15520492
6000	-8.970845	3.07035473
10000	-17.8448	-5.803595255
14000	-23.68992	-11.64871668
18000	-28.0557	-16.01449546
22000	-31.5417	-19.50050249
26000	-34.44373	-22.40252917
30000	-36.92965	-24.88844544

TRANSFORM

SERIES

0.79

1.00	1.00
0.64	1/3
0.21	1/5
0.13	1/7
0.09	1/9
0.07	1/11
0.06	1/13
0.05	0.08
0.04	