



		Frequency list using IEEE STD 299-1997 as a guide.	Freq. Units	Modulation	Output waveform type	Tx and Rx Antenna #'s	EIRP Peak, CW. Based on AF (1 meter) and source Pout.		EIRP Peak, CW = dB Watts + dB Gain	EIRP conversion of EIRP dBW into milliwatts	ERP dBW	ERP milliwatts	ERP License Value (mW)	margin to EEEC Action Level	Does License emission value Exceed EEEC Action Levels?	EIRP converted to mW/cm²	EEEC Action Level (mW/cm²)	Ant. Gain	Signal source, signal generator	Signal source power out (dBm)	Signal source power out 1E-3 Watts	Polarity used in testing				
#	Antenna List	1	14	kHz	N/A	CW	1	0.750	A/m	-18.5	dBW	14.13	mW	-20.66	8.59	8.60	-24	No Action	21.2E+0	5004.10	1.5	HP 651A	10	10.00	milli watts	V/H
1	LG-105A, Loop	2	80	kHz	N/A	CW	1,2	1.050	A/m	-18.5	dBW	14.13	mW	-20.66	8.59	8.60	-21	No Action	41.6E+0	5004.10	1.5	HP 651A	10	10.00	milli watts	V/H
2	LP-105, Loop	3	520	kHz	N/A	CW	2	1.050	A/m	-18.5	dBW	14.13	mW	-20.66	8.59	8.60	-14	No Action	41.6E+0	962.33	1.5	HP 651A	10	10.00	milli watts	V/H
3	VA105 Rod	4	520	kHz	N/A	CW	3	0.0006	V/m	-14.0	dBW	39.81	mW	-16.16	24.21	24.00	-130	No Action	95.5E-12	962.33	1	HP 651A	15	31.62	milli watts	V/H
4	EMCO 3104, Biconical	5	1	MHz	N/A	CW	3	0.0006	V/m	-14.0	dBW	39.81	mW	-16.16	24.21	24.00	-127	No Action	95.5E-12	500.41	1	HP3325A	15	31.62	milli watts	V/H
5	EMCO 3101, log spiral	6	5.1	MHz	N/A	CW	3	0.0006	V/m	-14.0	dBW	39.81	mW	-16.16	24.21	24.00	-114	No Action	95.5E-12	25.81	1	HP3325A	15	31.62	milli watts	V/H
6	EMCO 3146, log periodic	7	10.1	MHz	N/A	CW	3	0.0006	V/m	-14.0	dBW	39.81	mW	-16.16	24.21	24.00	-108	No Action	95.5E-12	6.58	1	HP83640A	15	31.62	milli watts	V/H
7	EMCO 3115, Horn 1-18	8	52	MHz	N/A	CW	4	0.019	V/m	-13.0	dBW	50.12	mW	-15.16	30.48	31.00	-65	No Action	96.3E-9	0.30	2	HP83640A	15	31.62	milli watts	V/H
8	EMCO 3102, log spiral 1-10	9	100	MHz	N/A	CW	4	0.072	V/m	-13.0	dBW	50.12	mW	-15.16	30.48	31.00	-49	No Action	1.4E-6	0.10	2	HP83640A	15	31.62	milli watts	V/H
9	EMCO 3105, double ridged horn 1-12 GHz	10	523	MHz	N/A	CW	5	0.211	V/m	-11.0	dBW	79.43	mW	-13.16	48.31	49.00	-42	No Action	11.8E-6	0.17	4	HP83640A	15	31.62	milli watts	V/H
		11	523	MHz	N/A	CW	6	1.420	V/m	-12.0	dBW	63.10	mW	-14.16	38.37	49.00	-25	No Action	534.9E-6	0.17	3	HP83640A	15	31.62	milli watts	any/all
		12	1.29	GHz	N/A	CW	7	3.333	V/m	1.0	dBW	1258.93	mW	-1.16	765.60	770.00	-22	No Action	2.9E-3	0.43	11	HP8340A	20	100.00	milli watts	any/all
		13	1.29	GHz	N/A	CW	8	0.714	V/m	-7.0	dBW	199.53	mW	-9.16	121.34	770.00	-35	No Action	135.3E-6	0.43	3	HP8340A	20	100.00	milli watts	any/all
		14	1.29	GHz	N/A	CW	9	1.667	V/m	-2.0	dBW	630.96	mW	-4.16	383.71	770.00	-28	No Action	736.8E-6	0.43	8	HP8340A	20	100.00	milli watts	any/all
		15	4.19	GHz	N/A	CW	7,8,9	3.333	V/m	1.0	dBW	1258.93	mW	-1.16	765.60	770.00	-27	No Action	2.9E-3	1.40	11	HP8340A	20	100.00	milli watts	any/all
		16	4.8	GHz	N/A	CW	7,8,9	3.333	V/m	1.0	dBW	1258.93	mW	-1.16	765.60	770.00	-27	No Action	2.9E-3	1.60	11	HP8340A	20	100.00	milli watts	any/all
		17	5.47	GHz	N/A	CW	7,8,9	3.333	V/m	1.0	dBW	1258.93	mW	-1.16	765.60	770.00	-28	No Action	2.9E-3	1.82	11	HP8340A	20	100.00	milli watts	any/all
		18	10.495	GHz	N/A																					

See file on comparison of ERP to EIRP - excerpt below:
"antenna info - ERP.PDF" on D drive.

- 6/13/98 Wireless Information Networks 143
- Reference Antennas
- ERP and EIRP
 - ERP is by comparison to a Dipole
 - This is the standard in cellular, land mobile, HF communications, and FM/ TV broadcasting
 - EIRP is by comparison to an Isotropic Radiator
 - This is the tradition in PCS at 1900 MHz, point- to- point microwave, satellite communications, and radar.
 - ERP values can be converted to EIRP and vice versa. For a given amount of power input, a dipole produces 2.16 dB more radiation than an isotropic radiator, due to the dipoles slight directionality.
 - ERP dB = EIRP dB - 2.16 dB
 - ERP Watts = EIRP Watts /1.64