

WaveNode Sensor Calibration for Customers Using Wavenode Sensors with Their Own Interface

POWER_CAL_3

		HF-1 and UHF-1	HF-8KW	HF-LP1		power dissipated
voltmeter reading	A/D input	RF power (watts)	RF Power	RF Power	SWR for xxx FWD	in Sensor Module
at Sensor connector	voltage	0-2000 watt sensor	0-8000 watt sensor	0-50 watt sensor	and 1 watt rfd	for HF-1 and UHF-1
0.000	0.000	0	0	0.000	na	
0.283	0.071	1	4	0.025	na	0.0004
0.400	0.100	2	8	0.050	5.828	0.0008
0.490	0.122	3	12	0.075	3.732	0.0012
0.565	0.141	4	16	0.100	3.000	0.0016
0.632	0.158	5	20	0.125	2.618	0.0020
0.894	0.223	10	40	0.250	1.925	0.0040
1.264	0.316	20	80	0.500	1.576	0.0080
1.413	0.353	25	100	0.625	1.500	0.0100
1.548	0.387	30	120	0.750	1.447	0.0120
1.788	0.447	40	160	1.000	1.376	0.0160
1.999	0.500	50	200	1.250	1.329	0.0200
2.189	0.547	60	240	1.500	1.296	0.0240
2.365	0.591	70	280	1.750	1.271	0.0280
2.528	0.632	80	320	2.000	1.252	0.0320
2.681	0.670	90	360	2.250	1.236	0.0359
2.826	0.707	100	400	2.500	1.222	0.0399
3.997	0.999	200	800	5.000	1.152	0.0799
4.895	1.224	300	1200	7.500	1.123	0.1198
5.653	1.413	400	1600	10.000	1.105	0.1598
6.320	1.580	500	2000	12.500	1.094	0.1997
6.923	1.731	600	2400	15.000	1.085	0.2397
7.478	1.869	700	2800	17.500	1.079	0.2796
7.994	1.999	800	3200	20.000	1.073	0.3195
8.479	2.120	900	3600	22.500	1.069	0.3595
8.938	2.234	1000	4000	25.000	1.065	0.3994
9.374	2.344	1100	4400	27.500	1.062	0.4394
9.791	2.448	1200	4800	30.000	1.059	0.4793
10.191	2.548	1300	5200	32.500	1.057	0.5193
10.575	2.644	1400	5600	35.000	1.055	0.5592
10.947	2.737	1500	6000	37.500	1.053	0.5991
11.306	2.826	1600	6400	40.000	1.051	0.6391
11.654	2.913	1700	6800	42.500	1.050	0.6790
11.991	2.998	1800	7200	45.000	1.048	0.7190

12.320	3.080	1900	7600	47.500	1.047	0.7589
12.640	3.160	2000	8000	50.000	1.046	0.7988