

Spurious emissions GSM 850

Freg	SA Reading	SG Setting	Ant. gain	Dipole gain	Cable loss	ERP Result	Limit		
MHz	dBμV	dBm	dB	dBd	dB	dBm	dBm		
824.2	121.8	36.8		-10.5	1.65	24.6	-13		
1648.4			8.4	-2.15	1.97		-13	No traceable peak detected (noise floor) see plots	
2472.6			8.7	-2.15	2.30		-13		
3296.8			8.6	-2.15	2.60		-13		
4121.0			9.0	-2.15	2.95		-13		
4945.2			9.2	-2.15	3.35		-13		
5769.4			10.1	-2.15	3.61		-13		
6593.6			11.0	-2.15	3.97		-13		
7417.8			10.3	-2.15	4.28		-13		
8242.0			10.6	-2.15	4.59		-13		
Freg	SA Reading	SG Setting	Ant. gain	Dipole gain	Cable loss	ERP Result	Limit		
MHz	dBμV	dBm	dB	dBd	dB	dBm	dBm		
836.4	122.0	35.9		-10.5	1.67	24.70	-13		
1672.8			8.4	-2.15	2.04		-13	No traceable peak detected (noise floor) see plots	
2509.2			8.9	-2.15	2.34		-13		
3345.6			8.5	-2.15	2.66		-13		
4182.0			9.0	-2.15	2.99		-13		
5018.4			9.3	-2.15	3.44		-13		
5854.8			10.1	-2.15	3.65		-13		
6691.2			10.9	-2.15	3.96		-13		
7527.6			10.3	-2.15	4.32		-13		
8364.0			10.5	-2.15	4.65		-13		
Freg	SA Reading	SG Setting	Ant. gain	Dipole gain	Cable loss	ERP Result	Limit		
MHz	dBμV	dBm	dB	dBd	dB	dBm	dBm		
848.8	121.7	36.8		-10.5	1.70	24.4	-13		
1697.6			8.4	-2.15	3.71		-13	No traceable peak detected (noise floor) see plots	
2546.4			8.9	-2.15	4.03		-13		
3395.2			8.5	-2.15	4.38		-13		
4244.0			9.2	-2.15	4.70		-13		
5092.8			9.4	-2.15	5.01		-13		
5941.6			10.3	-2.15	5.36		-13		
6790.4			10.7	-2.15	5.70		-13		
7639.2			10.3	-2.15	6.02		-13		
8488.0			10.8	-2.15	6.35		-13		

ERP = SG (dBm) - Cable Loss (dB) + Ant. gain (dB)

***ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.1dB**