

Spurious emissions PCS 1900

Freg	SA Reading	SG Setting	Ant. gain	Dipole gain	Cable loss	ERP Result	Limit		
MHz	dBμV	dBm	dBd	dBd	dB	dBm	dBm		
1850.2	127.8	25.2	8.4	0.0	3.30	30.3	-13		
3700.4			8.6	0.0	3.63		-13	No traceable peak detected (noise floor)	
5550.6			9.7	0.0	3.96		-13		
7400.8			10.5	0.0	4.26		-13		
9251.0			11.2	0.0	4.61		-13		
11102.0			11.8	0.0	4.95		-13		
12951.4			12.0	0.0	5.27		-13		
14801.6			13.7	0.0	5.62		-13		
16651.8			14.6	0.0	5.94		-13		
18502.0			6.2	0.0	6.25		-13	see plots	
Freg	SA Reading	SG Setting	Ant. gain	Dipole gain	Cable loss	ERP Result	Limit		
MHz	dBμV	dBm	dBd	dBd	dB	dBm	dBm		
1880.0	128.0	25.4	8.4	0.0	3.33	30.5	-13		
3760.0			8.6	0.0	3.7		-13	No traceable peak detected (noise floor)	
5640.0			9.9	0.0	4.0		-13		
7520.0			10.4	0.0	4.32		-13		
9400.0			11.4	0.0	4.65		-13		
11280.0			12.0	0.0	5.00		-13		
13160.0			11.8	0.0	5.31		-13		
15040.0			14.2	0.0	5.62		-13		
16920.0			12.7	0.0	5.98		-13		
18800.0			3.7	0.0	6.31		-13	see plots	
Freg	SA Reading	SG Setting	Ant. gain	Dipole gain	Cable loss	ERP Result	Limit		
MHz	dBμV	dBm	dBd	dBd	dB	dBm	dBm		
1909.8	127.5	25.0	8.4	0.0	3.38	30.0	-13		
3819.6			8.6	0.0	3.71		-13	No traceable peak detected (noise floor)	
5729.4			10.0	0.0	4.03		-13		
7639.2			10.3	0.0	4.38		-13		
9549.0			11.5	0.0	4.70		-13		
11458.8			12.2	0.0	5.01		-13		
13368.6			11.7	0.0	5.36		-13		
15278.4			14.8	0.0	5.70		-13		
17188.2			11.9	0.0	6.02		-13		
19098.0			2.0	0.0	6.35		-13	see plots	

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

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