

Harmonics

RADIATED EMISSIONS Location #1 FCC Part 15 Class A

Client: Remtron
Date : 10-Nov-00

File # 06034-7
Engr.: Clay Allred

Rep. : Art McBride
Syste 21T54
m: _____

Freq (MHz)	Meas'd (dBuV)	Amp Factors (dB)	Cable Factor S (dB)	Anten na Factor S (dB)	Total Factors (dBuV/ m)	Total (dBuV/ m)	3 Meter FCC Limit	Delta (dB)	Azimuth (degree)	Height (m)	Hor/ Vert	HP/ R&S	Meas Type	Comments
							(dBuV/m)						Ave Peak	
3612.110	45.1	27.1	4.1	30.3	7.4	52.4	54.0	-1.6	0	1.17	Vert	HP/	Peak	Fundimental @ 903MHz
2708.920	48.2	27.1	2.5	28.5	3.9	52.1	54.0	-1.9	356	1.49	Vert	HP/	Peak	Fundimental @ 903MHz
3612.070	42.0	27.1	4.1	30.3	7.4	49.4	54.0	-4.6	342	1.21	Hor/	HP/	Peak	Fundimental @ 903MHz
2708.970	44.8	27.1	2.5	28.5	3.9	48.7	54.0	-5.3	119	1.60	Hor/	HP/	Peak	Fundimental @ 903MHz
1805.890	44.0	26.9	4.9	25.6	3.6	47.6	54.0	-6.4	152	1.71	Vert	HP/	Peak	Fundimental @ 903MHz
1805.850	42.6	26.9	4.9	25.6	3.6	46.2	54.0	-7.8	310	1.90	Hor/	HP/	Peak	Fundimental @ 903MHz
3659.910	46.4	27.5	4.3	30.6	7.4	53.7	54.0	-0.3	48	1.46	Hor/	HP/	Peak	Fundamental @ 915MHz
3659.940	45.7	27.5	4.3	30.6	7.4	53.1	54.0	-0.9	360	1.15	Vert	HP/	Peak	Fundamental @ 915MHz
2745.000	49.0	27.1	2.4	28.5	3.8	52.8	54.0	-1.2	0	1.51	Vert	HP/	Peak	Fundamental @ 915MHz
2745.210	46.7	27.1	2.4	28.5	3.8	50.5	54.0	-3.5	293	1.73	Hor/	HP/	Peak	Fundamental @ 915MHz
1829.790	42.2	26.9	4.9	25.8	3.8	46.0	54.0	-8.0	154	1.27	Hor/	HP/	Peak	Fundamental @ 915MHz
1829.910	42.1	26.9	4.9	25.8	3.8	45.9	54.0	-8.1	204	1.10	Vert	HP/	Peak	Fundamental @ 915MHz

3708.060	45.5	27.4	4.3	30.9	7.8	53.3	54.0	-0.7	186	1.75	Vert	HP/	Peak	Fundamental @ 927MHz
2781.030	48.9	27.1	2.2	28.6	3.7	52.6	54.0	-1.4	9	1.39	Hor/	HP/	Peak	Fundamental @ 927MHz
3708.010	44.2	27.4	4.3	30.9	7.8	52.0	54.0	-2.0	225	1.01	Hor/	HP/	Peak	Fundamental @ 927MHz
2780.920	48.0	27.1	2.2	28.6	3.7	51.7	54.0	-2.3	148	1.00	Vert	HP/	Peak	Fundamental @ 927MHz
4634.930	41.8	29.1	4.8	33.4	9.1	50.9	54.0	-3.1	0	1.00	Vert	HP/	Peak	Fundamental @ 927MHz
5561.990	40.7	29.2	3.4	33.9	8.0	48.7	54.0	-5.3	0	1.00	Hor/	HP/	Peak	Fundamental @ 927MHz
1854.130	44.2	26.8	4.9	26.0	4.1	48.2	54.0	-5.8	158	1.68	Vert	HP/	Peak	Fundamental @ 927MHz
1854.230	42.7	26.8	4.9	26.0	4.1	46.8	54.0	-7.2	309	1.00	Hor/	HP/	Peak	Fundamental @ 927MHz

Fundamental's

RADIATED EMISSIONS
FCC Part 15, Sub-part C (15.209)

File # 16034-7 Engr.: Clay Allred Date : Nov 10, 2000
 Site : 2 Distance 3 meter Cables 2.4
 Bicon: 187 Log: 10 Amp 1 : none

														Meas Type Ave	
Freq.	Meas'd	Amp	Cable	Antenn	Total	Total	Limit	Delta	Azimuth	Height	Hor/	HP/	QP	Peak	Comments
(MHz)	(dBuV)	Factors (dB)	Factors (dB)	a Factor s (dB)	Factors (dBuV/m)										
903.000	59.4		6.3	24.8	31.1	90.45	93.9	-3.45	122	1	Hor/	R&S	QP		Run #1 21T54
915.000	58.1		6.5	24.9	31.4	89.45	93.9	-4.45	122	1	Hor/	R&S	QP		Run #1 21T54
927.000	57.7		6.5	25.0	31.5	89.20	93.9	-4.70	94	1	Hor/	R&S	QP		Run #1 21T54

927.000	54.1		6.5	25.0	31.5	85.60	93.9	-8.30	161	1.1	Vert	R&S	QP	Run #1 21T54
903.000	53.6		6.3	24.8	31.1	84.73	93.9	-9.17	255	1.1	Vert	R&S	QP	Run #1 21T54
915.000	52.9		6.5	24.9	31.4	84.30	93.9	-9.60	254	1.1	Vert	R&S	QP	Run #1 21T54