

FCC PART 15 SUBPART C 15.231 : 2004 - INTENTIONAL RADIATORS 40.66 - 40.70 MHz AND ABOVE 70 MHz

EMISSIONS				
	Port	Frequency Range	Limits	Basic Standard
Radiated Emissions FCC Part 15 B Unintentional emissions (15.209)	Enclosure	30 MHz— 88 MHz 88 MHz— 216 GHz 216 MHz— 960 MHz Above 960 MHz	40 dBuV/m (100 uV/m) (10m Measurement distance Class B—CFR 15.209) 47 dBuV/m (150 uV/m) 47 dBuV/m (200 uV/m) 47 dBuV/m (500 uV/m) Note: Upper test frequency must be 10 x fundamental :	

	Port	Fundamental Frequency (MHz)	Field Strength of Fundamental (uV/m)	Field Strength of Fundamental (dBuV/m)	Field strength of spurious emissions (uV/m)	Field strength of spurious emissions (dBuV/m)
Radiated Emissions FCC Part 15 Intentional emissions limits 15.231 (b)	Enclosure	40.66 - 40.70	2,250	67	225	47
		70 - 130	1,250	62	125	42
		130 - 174	1, 250 - 3, 750	62 - 71.5	125 - 375	42 - 51.5
		174 - 260	3, 750	71.5	375	51.5
		260 - 470	3,750 - 12, 500	71.5 - 82	375 - 1,250	51.5 - 62
		Above 470	12, 500	82	1,250	62

	Port	Fundamental Frequency (MHz)	Field Strength of Fundamental (uV/m)	Field Strength of Fundamental (dBuV/m)	Field strength of spurious emissions (uV/m)	Field strength of spurious emissions (dBuV/m)
Radiated Emissions FCC Part 15 Intentional emissions limits 15.231 (e)	Enclosure	40.66 - 40.70	1,000	60	100	40
		70 - 130	500	54	50	34
		130 - 174	500 - 1,500	54 - 63.5	50 - 150	34 - 43.5
		174 - 260	1,500	63.5	150	43.5
		260 - 470	1,500 - 5,000	63.5 - 74	150 - 500	43.5 - 54
		Above 470	5,000	74	500	54

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Transmitter Deactivation Time	Manually Operated and automatically activated transmitters must deactivate within 5 seconds Periodic Transmissions—duration must be less than 2 seconds per hour (15.231 a (3)) This periodic rate may be exceeded provided conditions 15.231 b-d are met with field strength table in b replaced by table 15.231 (e)			
Occupied Bandwidth	70 MHz - 900 MHz Above 900 MHz	0.25% of centre frequency 0.5% of centre frequency	Bandwidth is measured 20 dB down from carrier	
Restricted Bands of Operation 15.205				
Measurement Detectors 15.35				