

**6b.3 ISM Band Radiated Spurious Emissions**

FCC Limits:

§15.247. If any 100 kHz bandwidth outside these frequency bands, the radio frequency power that is produced by the modulation products of the spreading sequence, the information sequence and the carrier frequency shall be either at least 20 dB below that in any 100 kHz bandwidth within the band that contains the highest level of the desired power or shall not exceed the general levels specified in Sec. 15.209, whichever results in the lesser attenuation. All other emissions outside these bands shall not exceed the general radiated emission limits specified in Sec. 15.209.

§15.209. Shows the limit above 960 MHz to be 500uV/m @ 3 meters.

§15.35. States the peak of the harmonics shall not exceed 20 dB above the limits specified in 15.209.

NOTE 1: Spurious emissions are dependent on the linearity of the Power Amplifier (U516) and are independent of modulation type or TDM interleaving.

NOTE 2: An asterisk (\*) in the data indicates the spurious emission could not be detected due to noise limitations or ambients.

NOTE 3: Two asterisks (\*\*) after the frequency indicates the harmonic falls in the restricted bands specified in 15.205.

NOTE 4: Spurious emission levels were measured with the non-detachable antenna mounted on the radio product, as in intended use.

NOTE 5: Measurement reported in the tables below were taken with a peak detector.

902.525 MHz		Ch.Sp.: 25kHz		ISM / Static Mode S/N 364VFE4G5B	
Frequency (MHz)	FCC Maximum Emission Limit (dBuV/m))	Horizontal Measured Electric Field Intensity (dBuV/m)	Vertical Measured Electric Field Intensity (dBuV/m)		
1805.0500	94	51.47	57.17		
2707.5750**	54	41.88	44.84		
3610.1000**	54	43.54	45.63		
4512.6250**	54	37.78	39.18		
5415.1500	94	41.10	40.87		
6317.6750	94	*	*		
7220.2000**	54	*	*		
8122.7250**	54	*	*		
9025.2500**	54	*	*		

915.525 MHz		ISM / Static Mode Watts S/N 364VFE4G5B	
Frequency (MHz)	FCC Maximum Emission Limit (dBuV/m))	Horizontal Measured Electric Field Intensity (dBuV/m)	Vertical Measured Electric Field Intensity (dBuV/m)
1831.05	94	49.60	53.79
2746.5750**	54	40.49	39.57
3662.1000**	54	45.89	41.04
4577.6250**	54	39.18	39.67
5493.1500	94	40.05	39.92
6408.6750	94	*	*
7324.2000**	54	*	*
8239.7250**	54	*	*
9155.2500**	54	*	*

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<b>927.475 MHz</b>		<b>Ch.Sp.: 25kHz</b>		<b>ISM / Static Mode Watts S/N 364VFE4G5B</b>	
Frequency (MHz)	FCC Maximum Emission Limit (dBuV/m)	Horizontal Measured Electric Field Intensity (dBuV/m)	Vertical Measured Electric Field Intensity (dBuV/m)		
1854.9500	94	46.81	54.59		
2782.4250**	54	41.96	37.10		
3709.9000**	54	45.65	42.05		
4637.3750**	54	42.96	40.38		
5564.8500	94	40.84	40.48		
6492.3250	94	*	*		
7419.8000**	54	41.53	*		
8347.2750**	54	*	*		
9274.7500**	54	*	*		