



Company: SOS Wireless Communications
Project #: J98014863
Model: SOS-200 (Tx Mode)
Engineer: Xi-Ming Yang
Date of test: September 28, 1998

FCC 15 Part 22 Radiated Emissions

Frequency	Antenna	Reading	Antenna	Pre-amp	Cable	Corrected	Conducted	ERP
MHz	Polarity		Factor		Loss	Reading	Power	
	H/V	dB(uV)	dB(1/m)	dB	dB	dB(uV/m)	dBm	dBm
824.1	V	100.2	22.2	0.0	2.6	125.0	27.9*	27.6
836.5	V	98.9	22.2	0.0	2.6	123.7	28.7*	26.3
849.0	V	98.2	22.2	0.0	2.6	123.0	27.6*	25.6

Note: 1. All measurement were made at 3 meters
2. Readings with * are conducted power measured with power meter

Company: SOS Wireless Communications
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Model: SOS-200 (Tx High Ch.)
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FCC 15 Part 22 Radiated Emissions

Frequency	Antenna	Reading	Antenna	Pre-amp	Cable	Field	Spurious	Margin
MHz	Polarity		Factor		Loss	Strength	Attenuation	
	H/V	dB(uV)	dB(1/m)	dB	dB	dB(uV/m)	dB	dB
1698.0	V	56.7	26.7	-29.6	2.1	55.9	67.1	-26.5
2547.0	H	53.8	30.5	-28.4	3.6	59.5	63.5	-22.9
3395.9	V	44.3	32.7	-27.8	4.1	53.3	69.7	-29.1
4244.9	H	44.0	34.0	-27.6	4.5	54.9	68.1	-27.5
5093.8	V	43.0	35.1	-27.8	4.7	55.0	68.0	-27.4
5942.8	H	33.0	36.1	-28.0	5.1	46.2	76.8	-36.2
6791.8	V	31.0	37.2	-28.5	5.7	45.4	77.6	-37.0
7640.7	V	28.0	37.8	-29.0	6.1	42.9	80.1	-39.5
8489.8	H	28.0	38.8	-29.0	6.3	44.1	78.9	-38.3

- Note:**
1. All measurement were made at 3 meters
 2. Field Strength at the fundamental frequency equals 123.0 dBuV/m
 3. Spurious emissions attenuation limit equals $43 + 10\log P = 40.6$ dB
 4. All readings are peak readings.
 5. Negative signs (-) in the margin column signify levels below the limit.

Company: SOS Wireless Communications
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FCC 15 Part 22 Radiated Emissions

Frequency	Antenna	Reading	Antenna	Pre-amp	Cable	Field	Spurious	Margin
MHz	Polarity	dB(uV)	Factor	dB	Loss	Strength	Attenuation	dB
1673.0	V	55.5	26.7	-29.6	2.1	54.7	69.0	-27.3
2509.6	H	52.6	30.5	-28.4	3.6	58.3	65.4	-23.7
3346.1	V	41.2	32.7	-27.8	4.1	50.2	73.5	-31.8
4182.6	V	49.6	34.0	-27.6	4.5	60.5	63.2	-21.5
5019.1	H	30.5	35.1	-27.8	4.7	42.5	81.2	-39.5
5856.6	V	31.0	36.1	-28.0	5.1	44.2	79.5	-37.8
6692.2	H	29.0	37.2	-28.5	5.7	43.4	80.3	-38.6
7528.7	H	28.0	37.8	-29.0	6.1	42.9	80.8	-39.1
8365.2	H	31.0	38.8	-29.0	6.3	47.1	76.6	-34.9

- Note:**
1. All measurement were made at 3 meters
 2. Field Strength at the fundamental frequency equals 123.7 dBuV/m
 3. Spurious emissions attenuation limit equals $43 + 10 \log P = 41.7$ dB
 4. All readings are peak readings.
 5. Negative signs (-) in the margin column signify levels below the limit.

ITS Intertek Testing Services

Company: SOS Wireless Communications
Project #: J98014863
Model: SOS-200 (Tx Low Ch.)
Engineer: Xi-Ming Yang
Date of test: September 28, 1998

FCC 15 Part 22 Radiated Emissions

Frequency	Antenna	Reading	Antenna	Pre-amp	Cable	Field	Spurious	Margin
MHz	Polarity		Factor		Loss	Strength	Attenuation	
	H/V	dB(uV)	dB(1/m)	dB	dB	dB(uV/m)	dB	dB
1648.1	V	54.2	26.7	-29.6	2.1	53.4	71.6	-30.7
2472.3	V	49.0	30.5	-28.4	3.6	54.7	70.3	-29.4
3296.2	V	39.0	32.7	-27.8	4.1	48.0	77.0	-36.1
4120.3	H	48.0	34.0	-27.6	4.5	58.9	66.1	-25.2
4944.2	H	40.0	35.1	-27.8	4.7	52.0	73.0	-32.1
5768.2	H	30.0	36.1	-28.0	5.1	43.2	81.8	-40.9
6592.3	H	28.0	37.2	-28.5	5.7	42.4	82.6	-41.7
7416.3	H	28.0	37.8	-29.0	6.1	42.9	82.1	-41.2
8240.3	H	32.0	38.8	-29.0	6.3	48.1	76.9	-36.0

- Note:
1. All measurement were made at 3 meters
 2. Field Strength at the fundamental frequency equals 125.0 dBuV/m
 3. Spurious emissions attenuation limit equals $43 + 10\log P = 40.9$ dB
 4. All readings are peak readings.
 5. Negative signs (-) in the margin column signify levels below the limit.

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FCC 15 Part 22 Radiated Emissions

Low ch.

Frequency	Antenna Polarity	Reading	Antenna Factor	Pre-amp	Distance Factor	Corrected Reading	Limit	Margin
MHz	H/V	dB(uV)	dB(1/m)	dB	dB	dB(uV/m)	dB(uV/m)	dB
951.8	V	15.0	23.3	-14.1	1.7	25.9	46.0	-20.1
1903.7	H	25.0	30.0	-29.1	2.3	28.2	54.0	-25.8
2855.5	H	25.0	31.3	-28.2	2.3	30.4	54.0	-23.6

Mid ch.

Frequency	Antenna Polarity	Reading	Antenna Factor	Pre-amp	Distance Factor	Corrected Reading	Limit	Margin
MHz	H/V	dB(uV)	dB(1/m)	dB	dB	dB(uV/m)	dB(uV/m)	dB
968.0	V	16.0	23.3	-14.1	1.7	26.9	54.0	-27.1
1935.9	H	25.0	30.0	-29.1	2.3	28.2	54.0	-25.8
2903.9	V	25.0	31.3	-28.2	2.3	30.4	54.0	-23.6

High ch.

Frequency	Antenna Polarity	Reading	Antenna Factor	Pre-amp	Distance Factor	Corrected Reading	Limit	Margin
MHz	H/V	dB(uV)	dB(1/m)	dB	dB	dB(uV/m)	dB(uV/m)	dB
979.4	V	16.0	23.3	-14.1	1.7	26.9	54.0	-27.1
1960.9	H	25.0	30.0	-29.1	2.3	28.2	54.0	-25.8
2941.3	V	25.0	31.3	-28.2	2.3	30.4	54.0	-23.6

Note: 1. All measurement were made at 3 meters
 2. Negative signs (-) in the margin column signify levels below the limit.