List of General Information Required for Certification

In Accordance with FCC Rules and Regulations,
Volume II, Part 2 and to

24D, Confidentiality

Sub-part 2.1033
(c)(1): **Name and Address of Applicant**:

> Space Data Corporation
> 460 S. Benson Lane, Suite 11-12
> Chandler, AZ 85224

Manufacturer:

> Applicant

(c)(2): **FCC ID**:   RY9SKS900

Model Number: SKS-900

(c)(3): **Instruction Manual(s)**:

> Please see attached exhibits

(c)(4): **Type of Emission**:   10K0F1D

(c)(5): **Frequency Range, MHz**:   930 to 941

(c)(6): **Power Rating, Watts**:   2.0
            ____ Switchable   _x_ Variable   ____ N/A

(c)(7): **Maximum Power Rating, Watts**:   190 W (Defined as Base Station
                                                       per FCC MOO DA01-2132 dtd
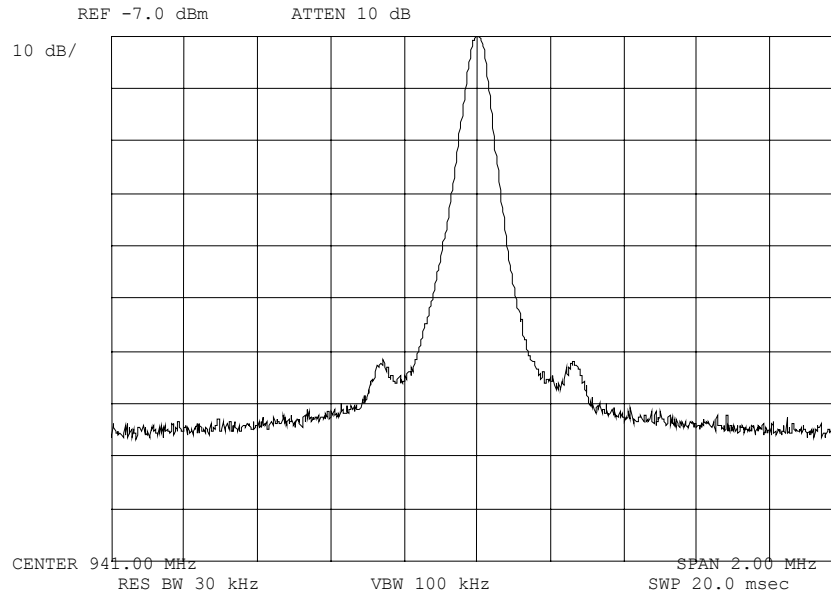   September 12, 2001)

DUT Results: Passes   _x_   Fails _____

Name of Test: Emission Masks (Occupied Bandwidth)
g0430050: 2004-Mar-22 Mon 10:24:00
State: 2:High Power   Ambient Temperature: 23°C ± 3°C

```
        REF -7.0 dBm      ATTEN 10 dB
   10 dB/
```



```
   CENTER 941.00 MHz                    SPAN 2.00 MHz
        RES BW 30 kHz       VBW 100 kHz      SWP 20.0 msec
```

Power: HIGH
Modulation: 6400 4FSK GAUSS
                          WIDE BAND NOISE

                          Rule Part 24.133 applies
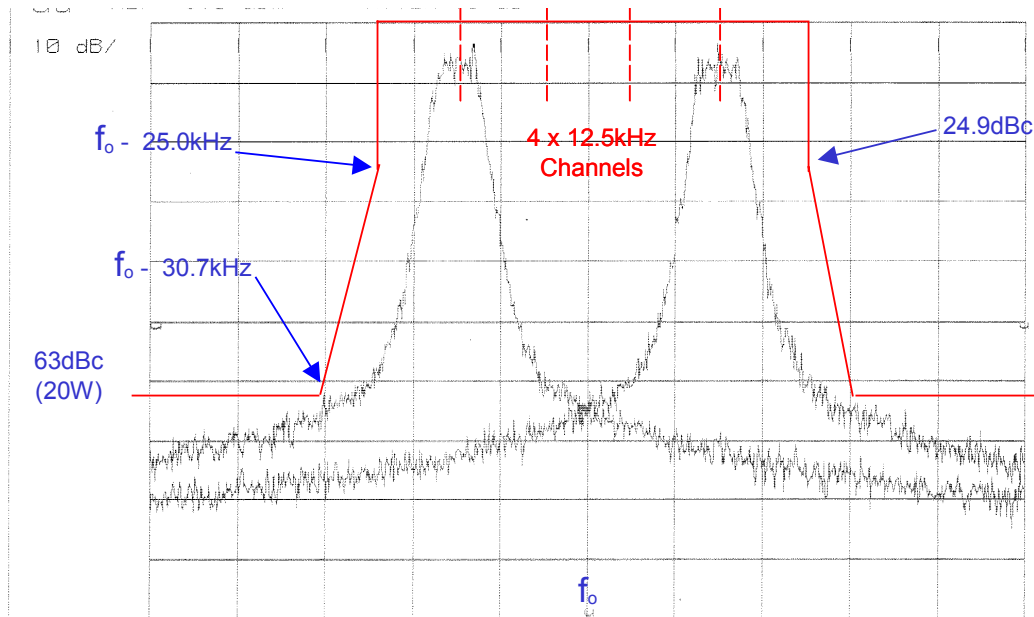
Performed by: David E. Lee, Lab Manager

MFA p0430001, d0440002

Name of Test: Emission Masks (Occupied Bandwidth)
g0430047: 2004-Mar-22 Mon 10:11:00
State: 2:High Power   Ambient Temperature: 23°C ± 3°C

Power: HIGH
Modulation: 6400 4FSK GAUSSIAN FILTER
Proposed channel plan uses one of 4 carriers for each   BOTH CHANNELS OF A CHANNEL
50kHz channel allocation.   Sky Sites in different   ALLOCATION
locations may use channels in the same 50kHz   (Example of Mask for 50kHz Channels
allocation without interference to other Part 24D users   with 2W + 10dBi antenna gain)
or each other.

Rule Part 24.133(a) applies

Performed by: David E. Lee, Lab Manager

Page Number   28 of 28. AMENDED April 13, 2004

Name of Test: Necessary Bandwidth and Emission Bandwidth

Specification: 47 CFR 2.202(g)

Modulation = 10K0F1D

Necessary Bandwidth Calculation:

Maximum Modulation (M), kHz		2.5
Maximum Deviation (D), kHz	=	2.5
Constant Factor (K)	=	1
Necessary Bandwidth (B_N), kHz	=	(2xM)+(2xDxK)
	=	10.0

Performed by: David E. Lee, Lab Manager

MFA p0430001, d0440002