

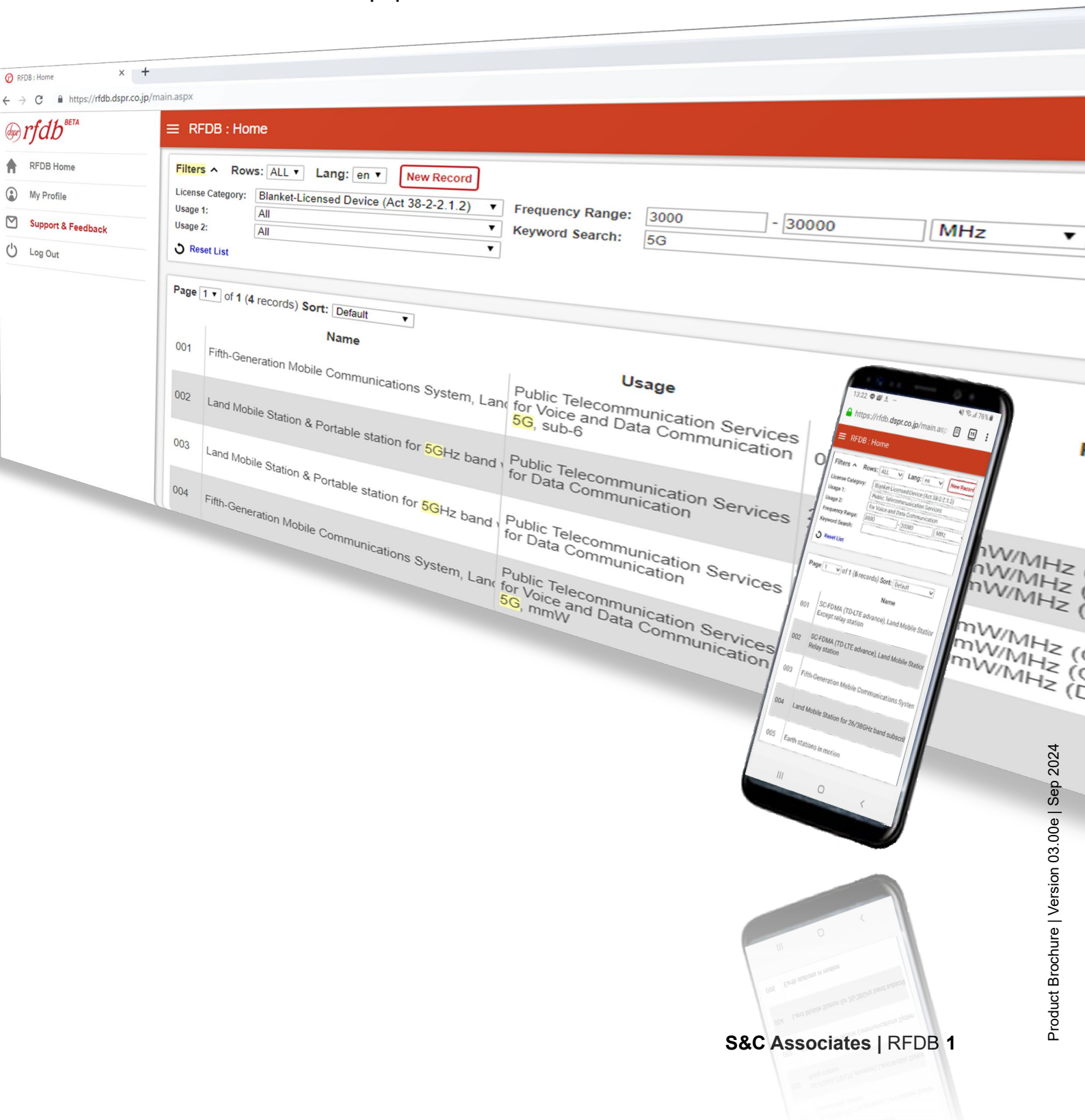
# Product Brochure

powered by  **DSP Research, Inc.**



## RFDB

RF database of Japan Radio Law Certification Requirements for Radio Equipment



The screenshot displays the RFDB web application interface. The top navigation bar includes a sidebar with links: RFDB Home, My Profile, Support & Feedback, and Log Out. The main content area features a search filter section with the following options:

- Filters:** License Category (Blanket-Licensed Device (Act 38-2-2.1.2)), Usage 1 (All), Usage 2 (All), Frequency Range (3000 - 30000 MHz), Keyword Search (5G).
- Buttons:** New Record, Reset List.
- Table:** A table with 4 records, sorted by Default. The table columns are Name and Usage.

The table data is as follows:

ID	Name	Usage
001	Fifth-Generation Mobile Communications System, Land Mobile Station & Portable station for 5GHz band	Public Telecommunication Services for Voice and Data Communication
002	Land Mobile Station & Portable station for 5GHz band	Public Telecommunication Services for Data Communication
003	Land Mobile Station & Portable station for 5GHz band	Public Telecommunication Services for Data Communication
004	Fifth-Generation Mobile Communications System, Land Mobile Station & Portable station for 5GHz band	Public Telecommunication Services for Voice and Data Communication

A smartphone in the foreground displays the same RFDB interface, showing the search filters and the table of records. The bottom of the image shows a blurred view of another smartphone screen.

## Product description

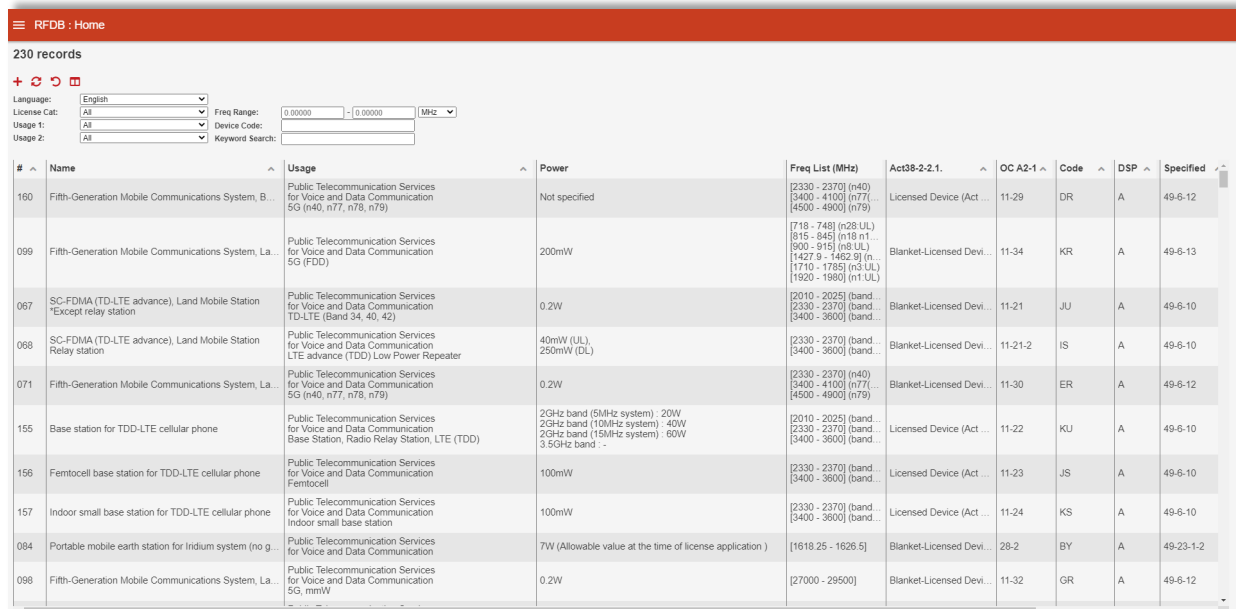
RFDB is a subscription-based online database service that provides access to the information of the technical standards for all categories of radio devices under the Japanese Radio Law. The RFDB enables users to access the RF technical standard database of radio devices for Japan market. RFDB can be accessed from modern Internet access devices such as iPhone, iPad, Android devices, Mac PC, and Windows PC. RFDB provides secure database environment through SSL encryption.

## Features

The RFDB is designed for certification body, radio equipment manufacturer and all organizations involved in wireless mobile business for Japanese market. RFDB is an invaluable resource in identifying the applicable requirements necessary to obtain certification of Radio Equipment under Japan's Radio Law. RFDB users gain unlimited access to a complete, accurate and efficient tool essential to the successful launch of Radio Equipment in Japan.

### I Easy to look over the information related to the records by list on Home display

The records for all radio devices are sorted out into the radio law article numbers, certification regulations code, type code, radio device names, usage, article number of specific conditions, Tx power level and allocated frequency range, and these are displayed in an easy-to-understand list.



RFDB : Home

230 records

Language: English  
License Cat: All  
Usage 1: All  
Usage 2: All  
Freq Range: 0.00000 - 0.00000 MHz  
Device Code:   
Keyword Search:

#	Name	Usage	Power	Freq List (MHz)	Act38-2-2.1.	OC A2-1	Code	DSP	Specified
160	Fifth-Generation Mobile Communications System, B...	Public Telecommunication Services for Voice and Data Communication 5G (n40, n77, n78, n79)	Not specified	[2330 - 2370] (n40) [3400 - 4100] (n77) [4500 - 4900] (n79)	Licensed Device (Act ...	11-29	DR	A	49-6-12
099	Fifth-Generation Mobile Communications System, La...	Public Telecommunication Services for Voice and Data Communication 5G (FDD)	200mW	[719 - 749] (n28 UL) [815 - 845] (n18 n1 ... [900 - 915] (n8 UL) [1427.9 - 1462.9] (n ... [1710 - 1785] (n3 UL) [1920 - 1980] (n1 UL)	Blanket-Licensed Devi...	11-34	KR	A	49-6-13
067	SC-FDMA (TD-LTE advance), Land Mobile Station "Except relay station	Public Telecommunication Services for Voice and Data Communication TD-LTE (Band 34, 40, 42)	0.2W	[2010 - 2025] (band ... [2330 - 2370] (band ... [3400 - 3600] (band ...	Blanket-Licensed Devi...	11-21	JU	A	49-6-10
068	SC-FDMA (TD-LTE advance), Land Mobile Station Relay station	Public Telecommunication Services for Voice and Data Communication LTE advance (TDD) Low Power Repeater	40mW (UL) 250mW (DL)	[2330 - 2370] (band ... [3400 - 3600] (band ...	Blanket-Licensed Devi...	11-21-2	IS	A	49-6-10
071	Fifth-Generation Mobile Communications System, La...	Public Telecommunication Services for Voice and Data Communication 5G (n40, n77, n78, n79)	0.2W	[2330 - 2370] (n40) [3400 - 4100] (n77) [4500 - 4900] (n79)	Blanket-Licensed Devi...	11-30	ER	A	49-6-12
155	Base station for TDD-LTE cellular phone	Public Telecommunication Services for Voice and Data Communication Base Station, Radio Relay Station, LTE (TDD)	2GHz band (5MHz system) : 20W 2GHz band (10MHz system) : 40W 2GHz band (15MHz system) : 60W 3.5GHz band : -	[2010 - 2025] (band ... [2330 - 2370] (band ... [3400 - 3600] (band ...	Licensed Device (Act ...	11-22	KU	A	49-6-10
156	Femtocell base station for TDD-LTE cellular phone	Public Telecommunication Services for Voice and Data Communication Femtocell	100mW	[2330 - 2370] (band ... [3400 - 3600] (band ...	Licensed Device (Act ...	11-23	JS	A	49-6-10
157	Indoor small base station for TDD-LTE cellular phone	Public Telecommunication Services for Voice and Data Communication Indoor small base station	100mW	[2330 - 2370] (band ... [3400 - 3600] (band ...	Licensed Device (Act ...	11-24	KS	A	49-6-10
084	Portable mobile earth station for Iridium system (no g...	Public Telecommunication Services for Voice and Data Communication	7W (Allowable value at the time of license application )	[1618.25 - 1626.5]	Blanket-Licensed Devi...	28-2	BY	A	49-23-1-2
098	Fifth-Generation Mobile Communications System, La...	Public Telecommunication Services for Voice and Data Communication 5G, mmW	0.2W	[27000 - 29500]	Blanket-Licensed Devi...	11-32	GR	A	49-6-12

### I Filter functions to get the target record(s) rapidly and exactly

The RFDB provides a simple but efficient user interface enabling users to easily search and refine results. Upon input of License Category, Usage, Frequency and/or Device Code of the radio equipment, the RFDB will return the applicable Laws and Requirements governing certification for the specified radio equipment.

Filters ^

Rows: ALL

Lang: en

New Record

License Category: Blanket-Licensed Device (Act 38-2-2.1.2)

Frequency Range: 3000 - 30000 MHz

Usage 1: Public Telecommunication Services

Usage 2: for Voice and Data Communication

Keyword Search: 5G

Reset List

Page 1 of 1 (2 records)

Sort: Default

	Name	Usage	Power	Frequency List (MHz)	Act38-2-2.1.
001	Fifth-Generation Mobile Communications System, Land Mobile Station	Public Telecommunication Services for Voice and Data Communication 5G, sub-6	0.2W	[3600 - 4100] [4500 - 4900]	Blanket-Licensed Device (Act 38-2-2.1.2) 11-2
002	Fifth-Generation Mobile Communications System, Land Mobile Station	Public Telecommunication Services for Voice and Data Communication 5G, mmW	0.2W	[27000 - 29500]	Blanket-Licensed Device (Act 38-2-2.1.2) 11-2

## I Always updated to the latest information

The RFDB is a living database continually updated to stay current with the latest changes in Radio Law and any accompanying official publications.

## I Supports all categories of the specific radio device

At current the RFDB covers all 200+ categories of radio equipment under Radio Law, the number of categories will update as relevant.

## I Details and the technical requirement data sheet

Detailed information of the certification for the radio device can be checked by selecting a record. A PDF datasheet of the technical requirements of all records is allowed to download.

**RFDB : Fifth-Generation Mobile Communications System, Land Mobile Station**

Last Updated 11/30/2021 10:50:05 PM

**Radio Equipment Name** Fifth-Generation Mobile Communications System, Land Mobile Station  
**Usage** Public Telecommunication Services for Voice and Data Communication  
 5G (FDD)  
**RF Act** Blanket-Licensed Device (Act 38-2-2.1.2)

**Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment (OC)**  
 Article 2, Paragraph 1, Item 11-34  
**Category Code (Appendix Form No 7)**  
**KR**

**Ordinance Regulating Radio Equipment (OR)**  
**Basic** Article 14-2 Radio waves exposed at Human  
 Article 5 Frequency Tolerance

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Home Tools Document

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Item	Technical Requirement	Test Method	Category Code
1	Blanket-Licensed Device		OC
2	Technical Regulation		OC
3	Technical Regulation		OC
4	Technical Regulation		OC
5	Technical Regulation		OC
6	Technical Regulation		OC
7	Technical Regulation		OC
8	Technical Regulation		OC
9	Technical Regulation		OC
10	Technical Regulation		OC
11	Technical Regulation		OC
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100	Technical Regulation		OC

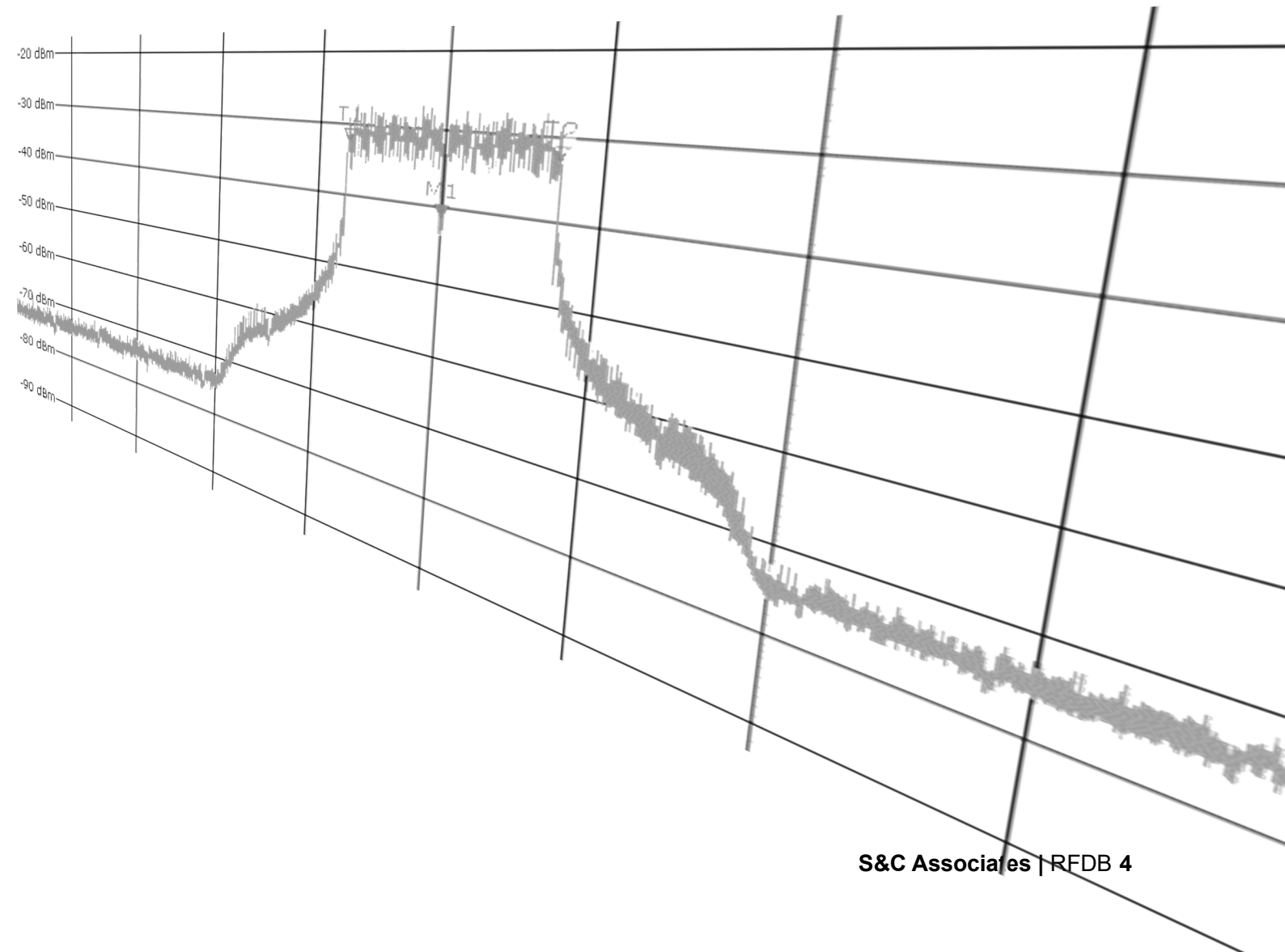
## Ordering information

product name	remark
Basic package for initial contract	2 user account for two-years. floating license.
Contract renewal for 1 year	2 user account for one-year renewal from the third year after the initial contract

- Initial contract term is 2 years, with an annual cost of \$3000.00 USD per year (\$6000.00 USD payable in full upon start of Initial License term). The initial license cannot be a one-year contract.
- Subscriptions will automatically renew every year thereafter at the annual price of \$3,000.00 USD per year. a reminder will be sent prior to renewal via e-mail
- For further information or to inquire about starting a subscription please contact DSP Research.

## Inquiry about RFDB

Inquiry: [support-rfdb@dspr.co.jp](mailto:support-rfdb@dspr.co.jp)  
Tel: +81-78-940-0377



# Specifications

The specifications are subject to change without notice.

RFDB web application			
service type	subscription type web application service. contents on the web server is always the latest.		
internet connection	https Internet connection is always required		
system requirements	Any Internet access devices (incl. Windows PC, Mac PC, Android device, iPhone, iPad etc.) with most of internet browser (incl. Edge, Lunascape, Sleipnir, Opera, FireFox, Google Chrome, Safari)		
Licensing type (Usage by 1 contract)	floating license	2 user account (Company Manager and Standard User) by any access device can be used.	
	License period	Valid for 2 years from the first contract. A renewal contract for 1 year is required from the third year.	
	Account type of the licensee	Company Manager	Administrator in the company. A specific person is given the 'Company Manager' privileges. The Company Manager can create/edit an additional 'Standard User' account.
		Standard	general user
supported language	English, Japanese		
filter functions	License category	all Unlicensed Device (Act 38-2-2.1.1) Blanket-licensed Device (Act 38-2-2.1.2) Licensed Device (Act 38-2-2.1.3) Others	
	Usage 1	all Public Telecommunication Services Aviation Services Maritime Services Public Affairs Private Land Mobile Radio Services Private Radio Services Radio Broadcast Services	
	Usage 2	all for Voice Communication for Data Communication for Voice and Data Communication for Satellite Data Communication for Radiolocation for Radio Control for Wireless Evaluation	
	Frequency Range	Lower edge (kHz, MHz, GHz) Upper edge (kHz, MHz, GHz)	
	Keyword Search	Any keyword	
	Device Code	yes	
My profile setting	availability	all users	
	Name Cmapany name Email address Password	can be renamed can <u>NOT</u> be edited can be edited can be reset	
User Administration	availability	only for 'Company Manager'	
	New User Edit User Password RESET	New 'Standstd' user registration can be edited the Name, email address, Activation or DeActivation Reset the password of the subordinate (Standard) user.	

## ABOUT

### S&C Associates

In 2020, DSP research Corporation was founded as a subsidiary of DSP Research, Inc. and in 20204 changed its name to S&C Associates Inc. and became an independent company. focusing on wireless communications, RF, and electronics technologies; sales of test & measurement instruments and related test systems and business support services. In cooperation with DSP Research, Inc. we assist in the implementation of certification and subsequent after-sales support as well as production line and quality control.

#### Contact

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**DSP Research, Inc.**

Inspections & testing services for Telecommunication terminal equipment and Radio equipment. Development and consulting services of measuring instruments and related software. Workshop for usage of Telecommunication terminal equipment and Radio equipment. Certification services for technical regulations conformity certification based on Radio law. Certification services for technical conditions compliance approval based on Telecommunications business law Others, general services related to/associated with items listed above

<http://www.dspr.co.jp/en/>



# S & C ASSOCIATES

TECHNOLOGY & BUSINESS INTEGRATION

## Services

#### Measurement, Test and Evaluation

- Evaluation for quality of industrial manufacture
- Development of test automation systems for RF and telecommunications tests
- RF/mm-wave OTA measurement and Analysis

#### Business Agent Service

- Factory certification for manufacturing quality
- Business Agent Service for Acquisition of Approvals and Certifications
- Support for production line design and management methods
- Information gathering on certification in each country

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