

J-CARETS *2017model*

Japanese
Convergence Approval
Radio Equipment Test System



DSP Research, Inc.
with the partner

- Japanese Convergence Approval Radio Equipment Test System is the auto-evaluation test facility developed by DSP Research that shorten the examination time for characteristic test for Type approval and Test approval for Technical regulations conformity certification for radio equipment under Japanese Radio Law.
- Automatic Report Generation system is one of very useful option.

List of Equipment

● Standard △ Option		J-CARETS_RF	J-CARETS_DFS
Spectrum analyzer *1	FSV30 (~30GHz)	●	●
	FSV13 (~13GHz)	△	△
	FSV7 (~7GHz)	△	△
Signal generator *2	SGT100A (~6GHz)		●
	SMBV100A (~6GHz)		△
Signal generator (SMB100A, ~6GHz)		△	
Power sensor (NRP33T, ~33GHz) *3		●	●
Switch box (OSP120&OSP150) (~30GHz/4TX MIMO capable/DFS capable)			●
Switch box (OSP120) (~30GHz/4TX MIMO capable)		●	
Software	Auto measuring function	●	
	Report generation system	△	△
Stabilized DC Power 直流安定化電源		△	△

※: J-CARETS_DFS needs Anechoic chamber

*1: Modifiable from FSV30 to FSV13 or FSV7

*2: Modifiable from SGT100A to SMBV100A(Display is facilitated)

*3: Frequency range will be changed when FSV30 is modified as *1 option



・ Please refer this available function list to find required test by Technical Regulations Conformity Certification or other Act for specific equipment.

[What's Specific Equipment?](#)

特定無線設備の技術基準適合証明等規則の要求試験項目への対応は下記をご参照ください。

Function List測定機能一覧 (*Please confirm us for updated functions)仕様は変更になることがあります)

● Standard △ Option	J-CARETS_RF	J-CARETS_DFS
周波数の許容偏差 Frequency Tolerance	●	●
Occupied Bandwidth /Spread Bandwidth	●	●
Strength Tolerance of Spurious Emission or Unwanted Emission	●	●
Output Power or Output Power Tolerance	△	△
Strength of Secondary Radiated Emission	△	△
周波数滞留時間Dwell Time of Frequency	●	●
キャリアセンス機能 Carrier Sensing Function*4	△	△
隣接チャネル漏洩電力Adjacent Channel Emitting Power	●	●
帯域外漏洩電力Out-Band Leakage Power	●	●
送信バースト長Transmission Burst Length	●	●
DFS試験DFS Testing		● *5
アンテナ特性試験Antenna Characteristic Test		●
EIRP試験EIRP Test		●

*4: Some manual adjustment will be needed during test.試験中に手動での調整が必要となります。

*5: Some of equipment to be measured may be not suitable for automatic measuring.被測定装置によっては自動測定が出来ない場合があります。



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FSV30



[Find more detail about FSV30](#)

SMB100A

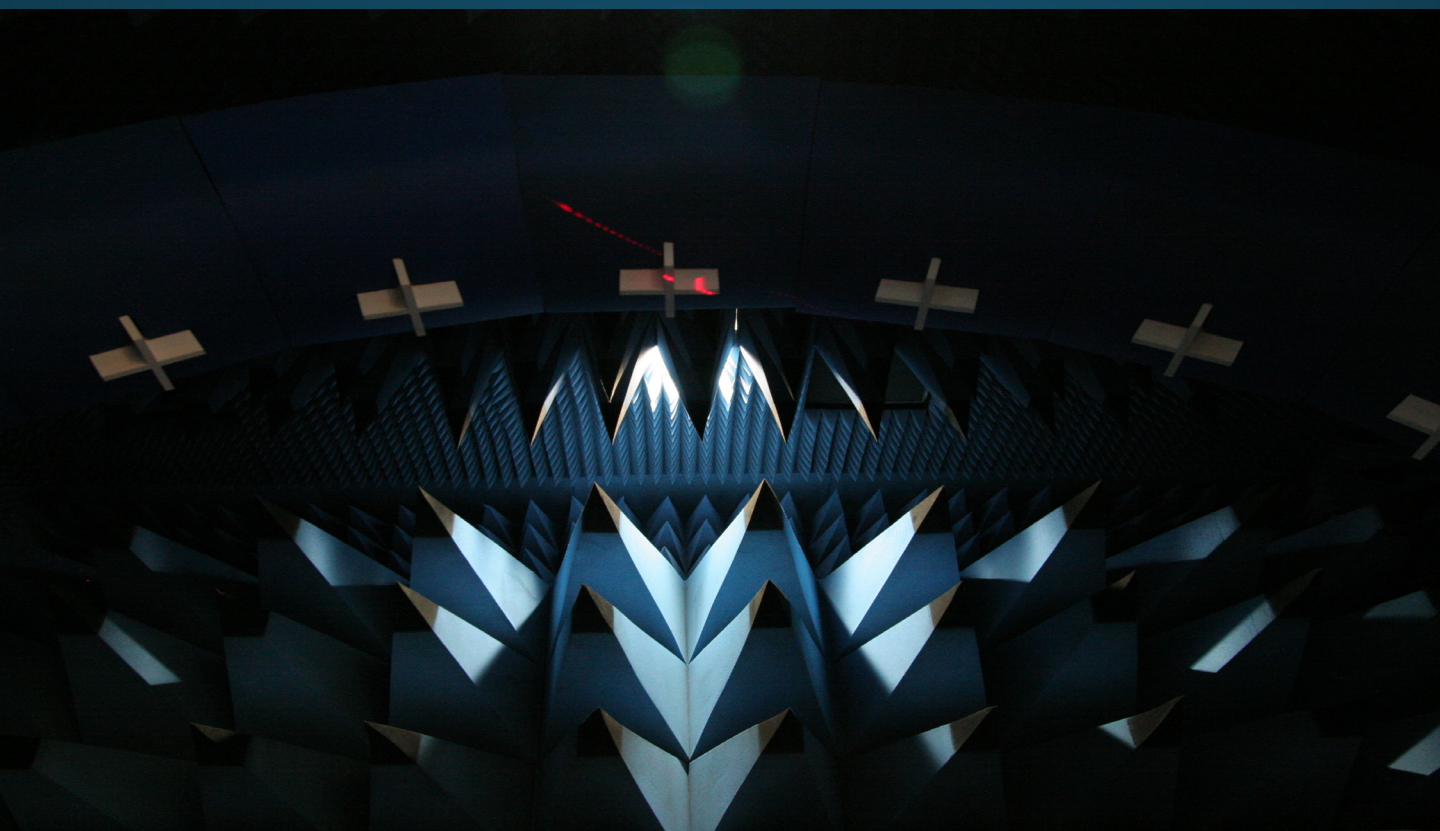


[Find more detail about SMB100A](#)

SGT100A



[Find more detail about SGT100A](#)

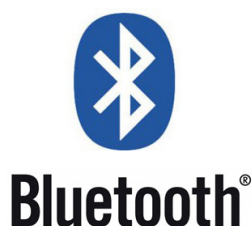


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下記仕様ソフトウェアの測定が可能です。

J-CARETS is an enabled measuring system for the software of

- 2.4GHz Wi-Fi
- 5GHz Wi-Fi
- Bluetooth
- ZigBee
- 920MHz *1



*1: Please ask us for more detail that some are not allowed to measure by Japanese Law.
法令により一部測定不可となります。詳細についてはお尋ねください

Please feel free to contact us.



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