

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	3.8	5784.9878	5785	0.0122	-2.11
		V max (V)	4.2	5784.9819	5785	0.0181	-3.13
		V min (V)	3.3	5784.9824	5785	0.0176	-3.04
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

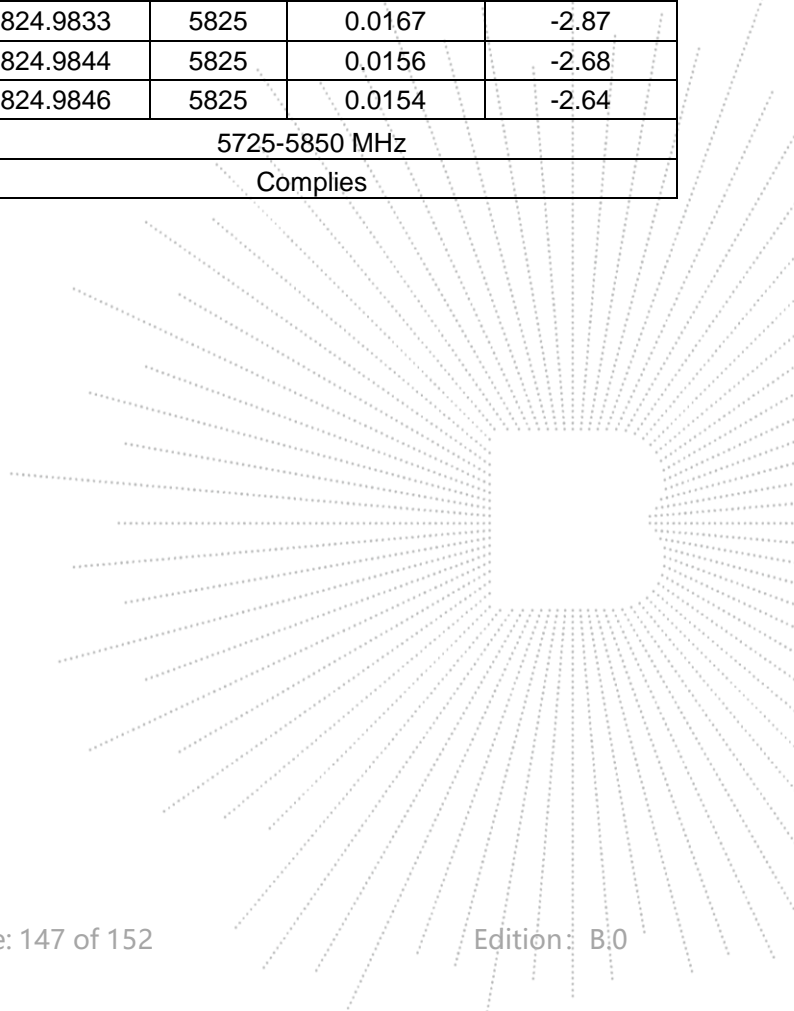
TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.8	T (°C)	-20	5784.9822	5785	0.0166	-2.87
		T (°C)	-10	5784.9874	5785	0.012	-2.07
		T (°C)	0	5784.9828	5785	0.0187	-3.23
		T (°C)	10	5784.9864	5785	0.0144	-2.49
		T (°C)	20	5784.9831	5785	0.0181	-3.13
		T (°C)	30	5784.9857	5785	0.0114	-1.97
		T (°C)	40	5784.9861	5785	0.0115	-1.99
		T (°C)	50	5784.9884	5785	0.0147	-2.54
		T (°C)	60	5784.9874	5785	0.0174	-3.01
		T (°C)	70	5784.9853	5785	0.0172	-2.97
Limits				5725-5850 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	3.8	5824.9834	5825	0.0166	-2.85
		V max (V)	4.2	5824.9886	5825	0.0114	-1.96
		V min (V)	3.3	5824.9881	5825	0.0119	-2.04
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.8	T (°C)	-20	5824.9854	5825	0.0146	-2.51
		T (°C)	-10	5824.9873	5825	0.0127	-2.18
		T (°C)	0	5824.9878	5825	0.0122	-2.09
		T (°C)	10	5824.9813	5825	0.0187	-3.21
		T (°C)	20	5824.9807	5825	0.0193	-3.31
		T (°C)	30	5824.9835	5825	0.0165	-2.83
		T (°C)	40	5824.9851	5825	0.0149	-2.56
		T (°C)	50	5824.9833	5825	0.0167	-2.87
		T (°C)	60	5824.9844	5825	0.0156	-2.68
		T (°C)	70	5824.9846	5825	0.0154	-2.64
Limits				5725-5850 MHz			
Result				Complies			



14. Duty Cycle Of Test Signal

14.1 Standard Requirement

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle. All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

14.2 Formula

Duty Cycle = $T_{on} / (T_{on} + T_{off})$

14.3 Test Procedure

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

14.4 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	AntA	100	0	0
NVNT	a	5200	AntA	100	0	0
NVNT	a	5240	AntA	100	0	0
NVNT	n20	5180	AntA	100	0	0
NVNT	n20	5200	AntA	100	0	0
NVNT	n20	5240	AntA	100	0	0
NVNT	n40	5190	AntA	100	0	0
NVNT	n40	5230	AntA	100	0	0
NVNT	ac20	5180	AntA	100	0	0
NVNT	ac20	5200	AntA	100	0	0
NVNT	ac20	5240	AntA	100	0	0
NVNT	ac40	5190	AntA	100	0	0
NVNT	ac40	5230	AntA	100	0	0
NVNT	ax20	5180	AntA	100	0	0
NVNT	ax20	5200	AntA	100	0	0
NVNT	ax20	5240	AntA	100	0	0
NVNT	ax40	5190	AntA	100	0	0
NVNT	ax40	5230	AntA	100	0	0

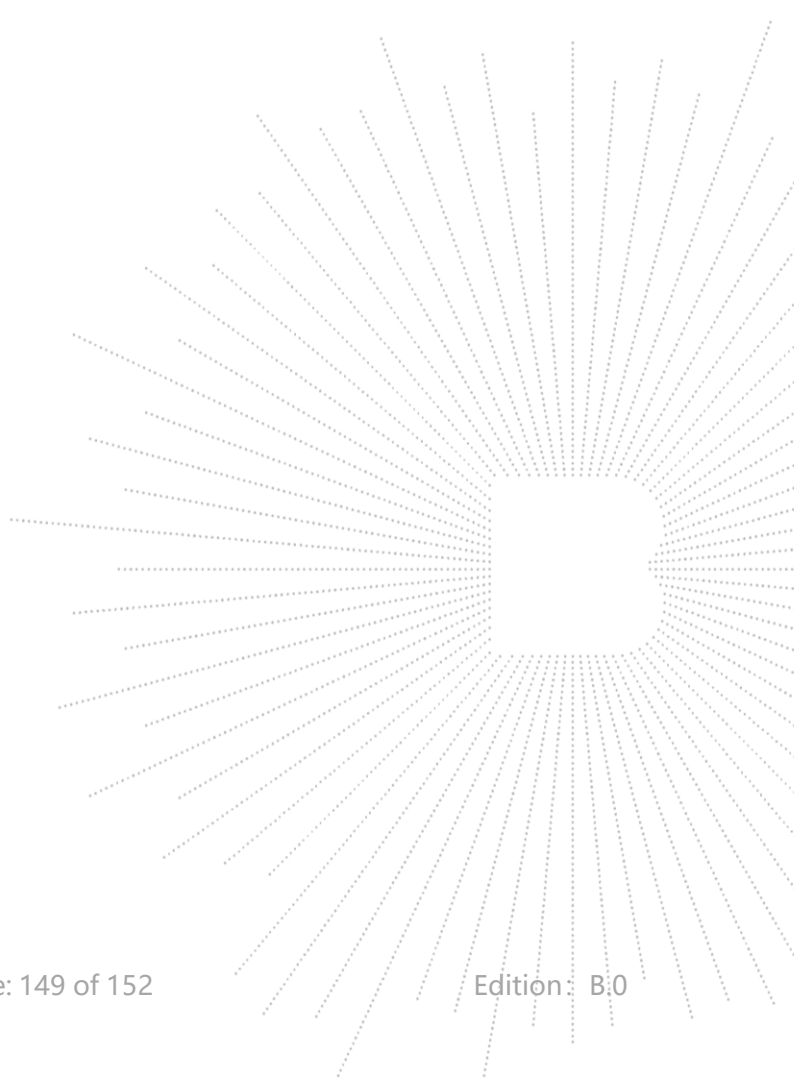
15. Antenna Requirement

15.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

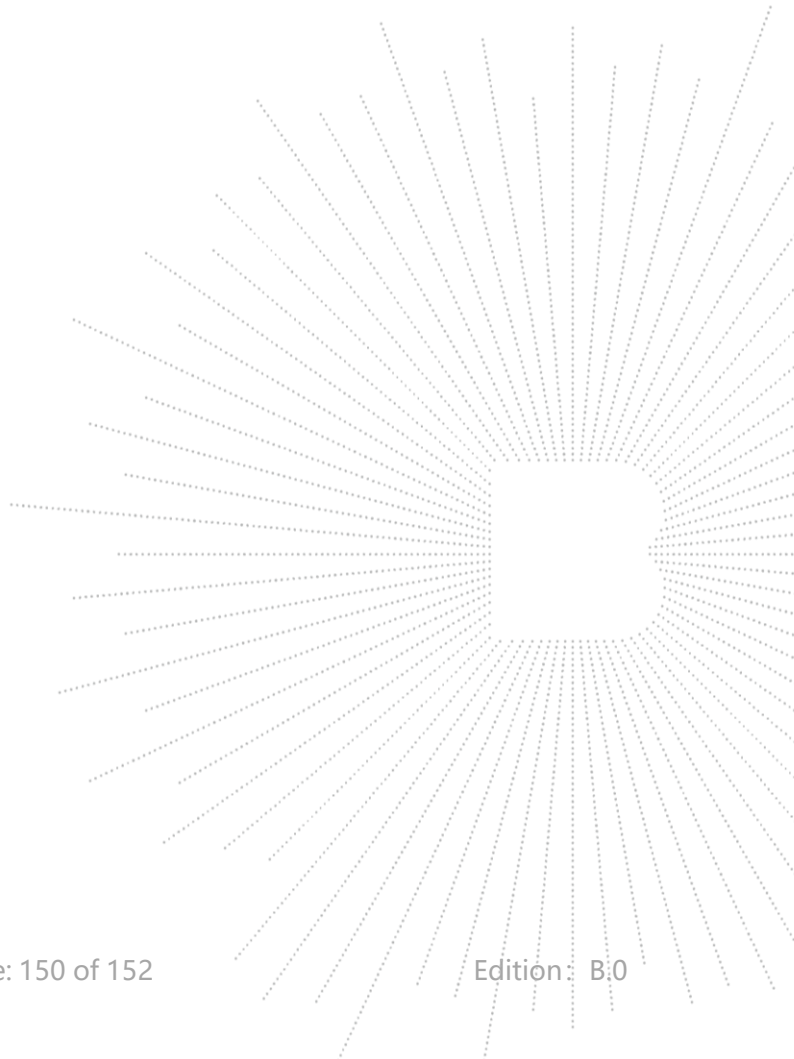
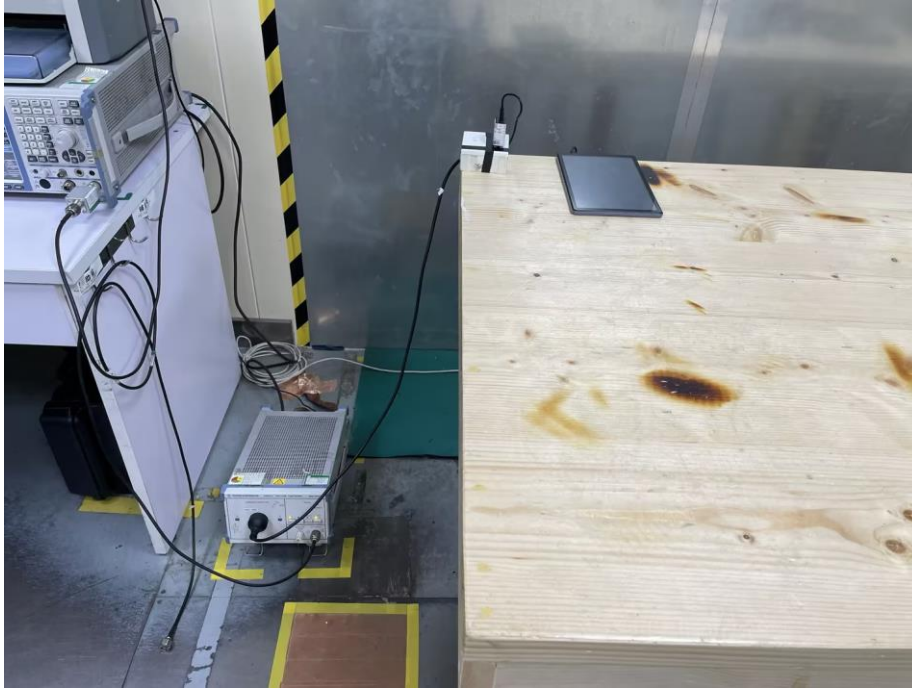
15.2 Test Result

The EUT antenna is internal antenna, fulfill the requirement of this section.

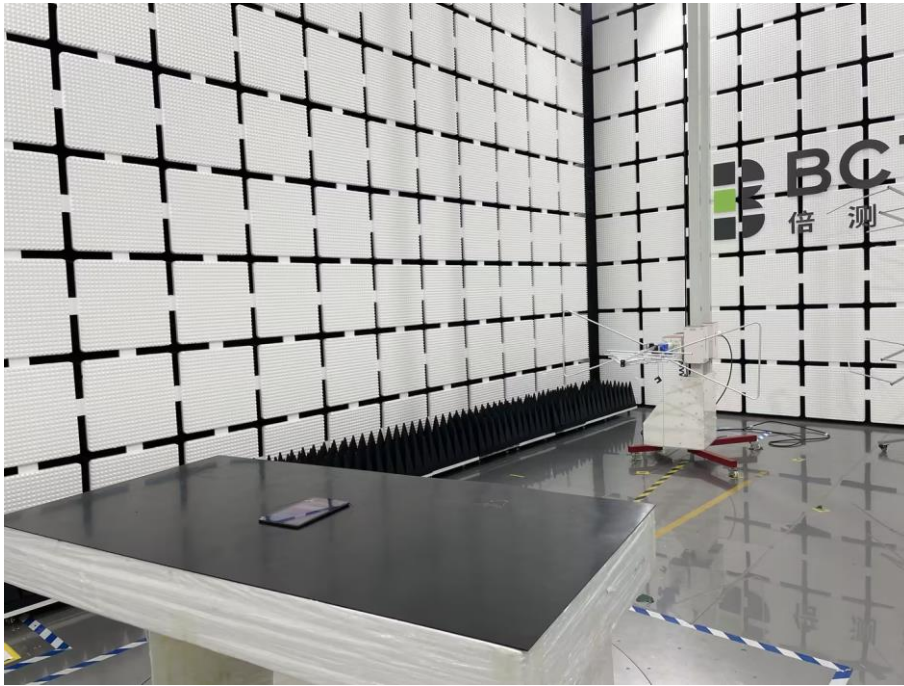


16. EUT Test Setup Photographs

Conducted emissions



Radiated Measurement Photos



STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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***** END *****

