Test Graphs

Tx. Spurious NVNT b 2412MHz

Tx. Spurious NVNT b 2412MHz Emission

Tx. Spurious NVNT b 2437MHz

Tx. Spurious NVNT b 2437MHz   Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439 GHz	3.459 dBm			
2	N	1	f	25.653 GHz	-38.708 dBm			
3	N	1	f	4.689 GHz	-52.616 dBm			
4	N	1	f	7.150 GHz	-51.729 dBm			
5	N	1	f	9.797 GHz	-53.153 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT b 2462MHz

Tx. Spurious NVNT b 2462MHz   Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.465 GHz	1.038 dBm			
2	N	1	f	25.626 GHz	-39.146 dBm			
3	N	1	f	4.927 GHz	-52.054 dBm			
4	N	1	f	7.283 GHz	-53.599 dBm			
5	N	1	f	9.824 GHz	-52.970 dBm			

Tx. Spurious NVNT g 2412MHz

Tx. Spurious NVNT g 2412MHz   Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.412 GHz	-0.476 dBm			
2	N	1	f	25.626 GHz	-39.597 dBm			
3	N	1	f	4.900 GHz	-53.422 dBm			
4	N	1	f	7.097 GHz	-52.364 dBm			
5	N	1	f	9.824 GHz	-53.386 dBm			

Tx. Spurious NVNT g 2437MHz

Tx. Spurious NVNT g 2437MHz   Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439 GHz	0.075 dBm			
2	N	1	f	25.600 GHz	-40.026 dBm			
3	N	1	f	4.715 GHz	-53.296 dBm			
4	N	1	f	7.336 GHz	-52.917 dBm			
5	N	1	f	9.930 GHz	-52.907 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT g 2462MHz

Tx. Spurious NVNT g 2462MHz   Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.465 GHz	-4.165 dBm			
2	N	1	f	25.600 GHz	-39.649 dBm			
3	N	1	f	4.927 GHz	-53.767 dBm			
4	N	1	f	7.574 GHz	-52.871 dBm			
5	N	1	f	9.930 GHz	-53.147 dBm			

Tx. Spurious NVNT n20 2412MHz

Tx. Spurious NVNT n20 2412MHz   Emission

Tx. Spurious NVNT n20 2437MHz

Tx. Spurious NVNT n20 2437MHz   Emission

Tx. Spurious NVNT n20 2462MHz

Tx. Spurious NVNT n20 2462MHz　Emission

Tx. Spurious NVNT n40 2422MHz

Tx. Spurious NVNT n40 2422MHz   Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.412 GHz	-4.510 dBm			
2	N	1	f	25.626 GHz	-38.720 dBm			
3	N	1	f	4.768 GHz	-53.168 dBm			
4	N	1	f	7.203 GHz	-52.665 dBm			
5	N	1	f	9.877 GHz	-52.695 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2437MHz

Tx. Spurious NVNT n40 2437MHz　Emission

Tx. Spurious NVNT n40 2452MHz

Tx. Spurious NVNT n40 2452MHz   Emission

13. Duty Cycle Of Test Signal

13.1   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.

13.2   Formula

Duty Cycle = Ton / (Ton+Toff)

13.3   Test Procedure

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

13.4   Test Result

Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
b	2412	100	0	0
g	2412	100	0	0
n20	2412	100	0	0
n40	2422	100	0	0

Test Graphs
Duty Cycle NVNT b 2412MHz

Duty Cycle NVNT g 2412MHz

Duty Cycle NVNT n20 2412MHz

Duty Cycle NVNT n40 2422MHz
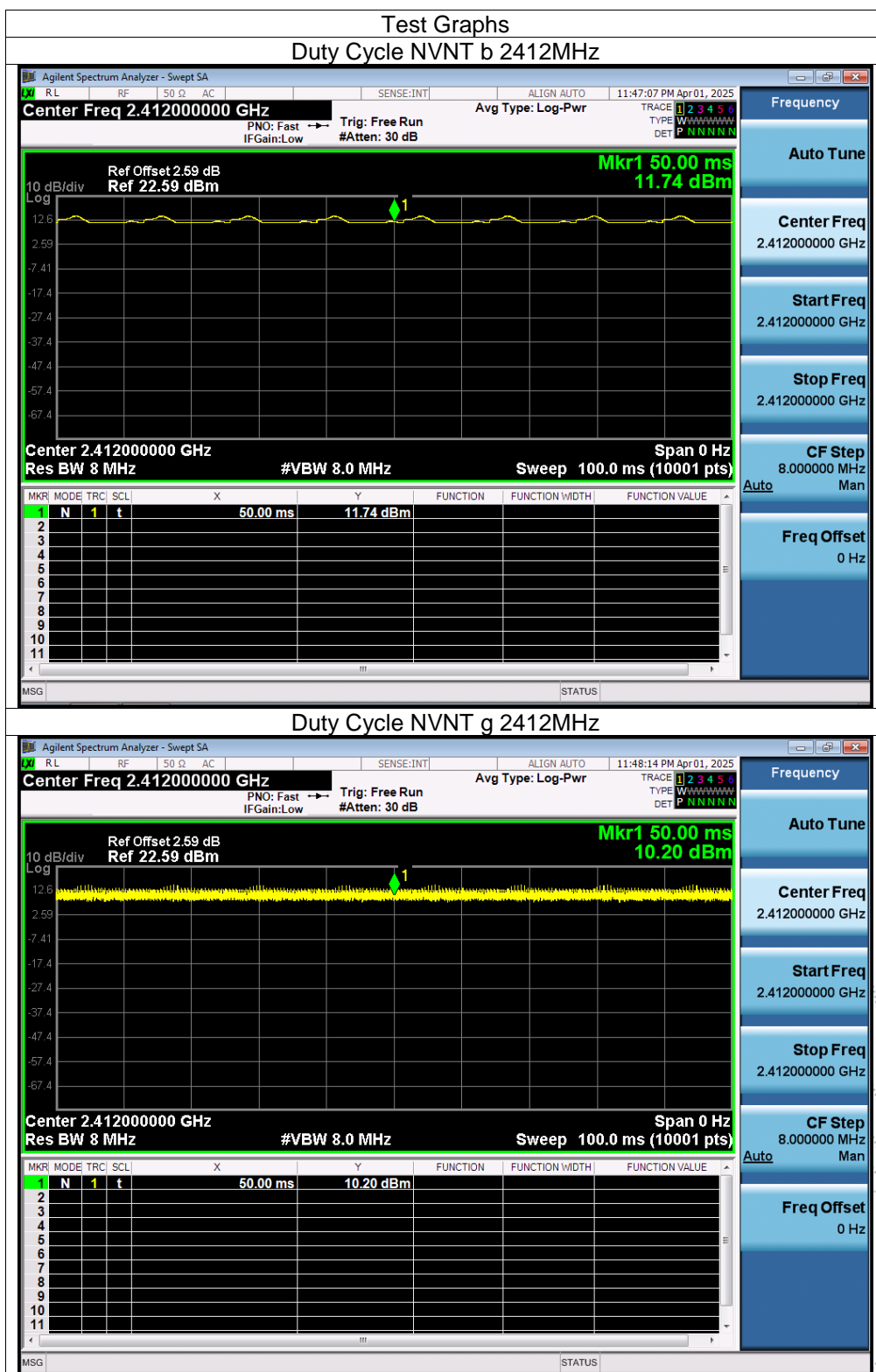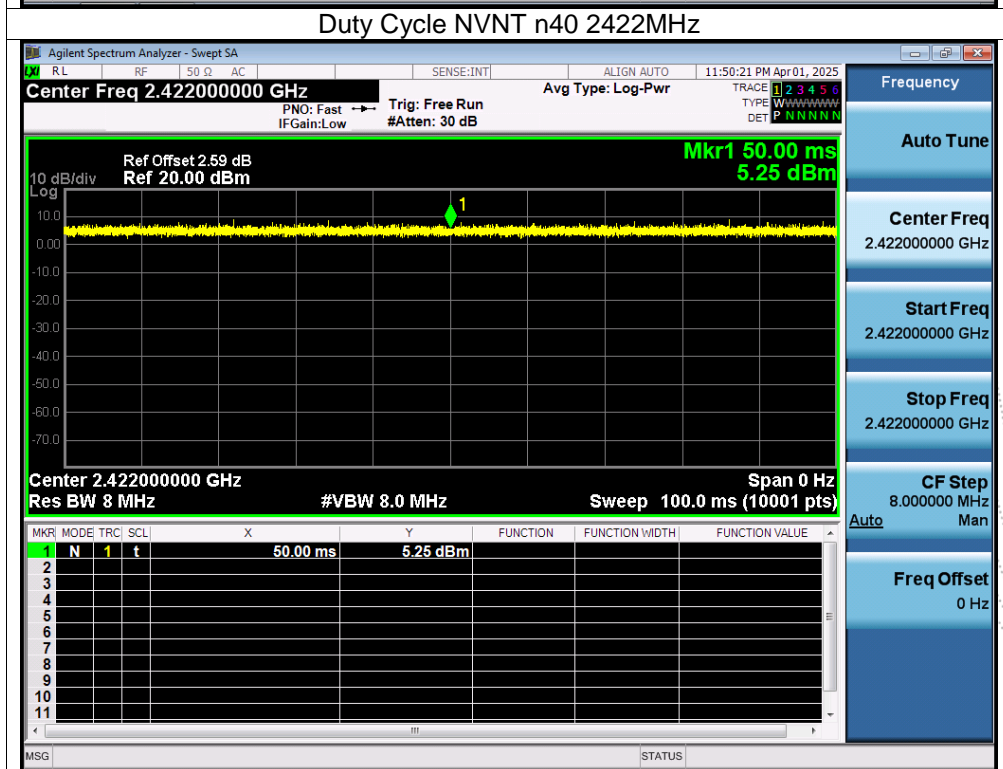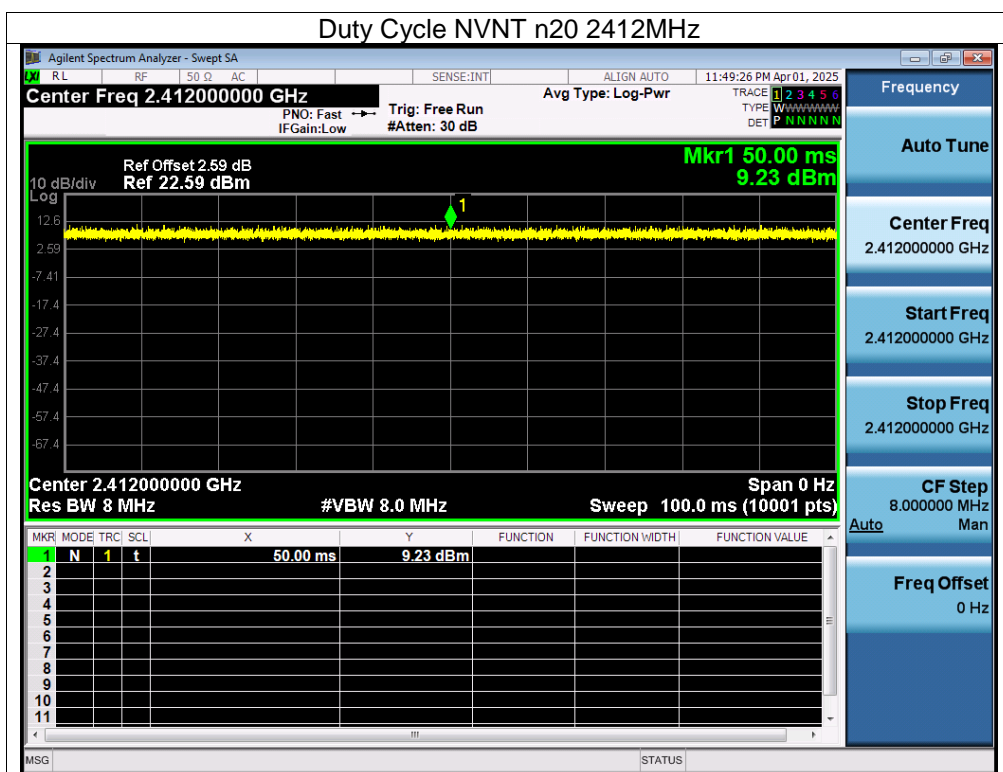
14. Antenna Requirement

14.1 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.

14.2 Test Result

The EUT antenna is Internal antenna, fulfill the requirement of this section.
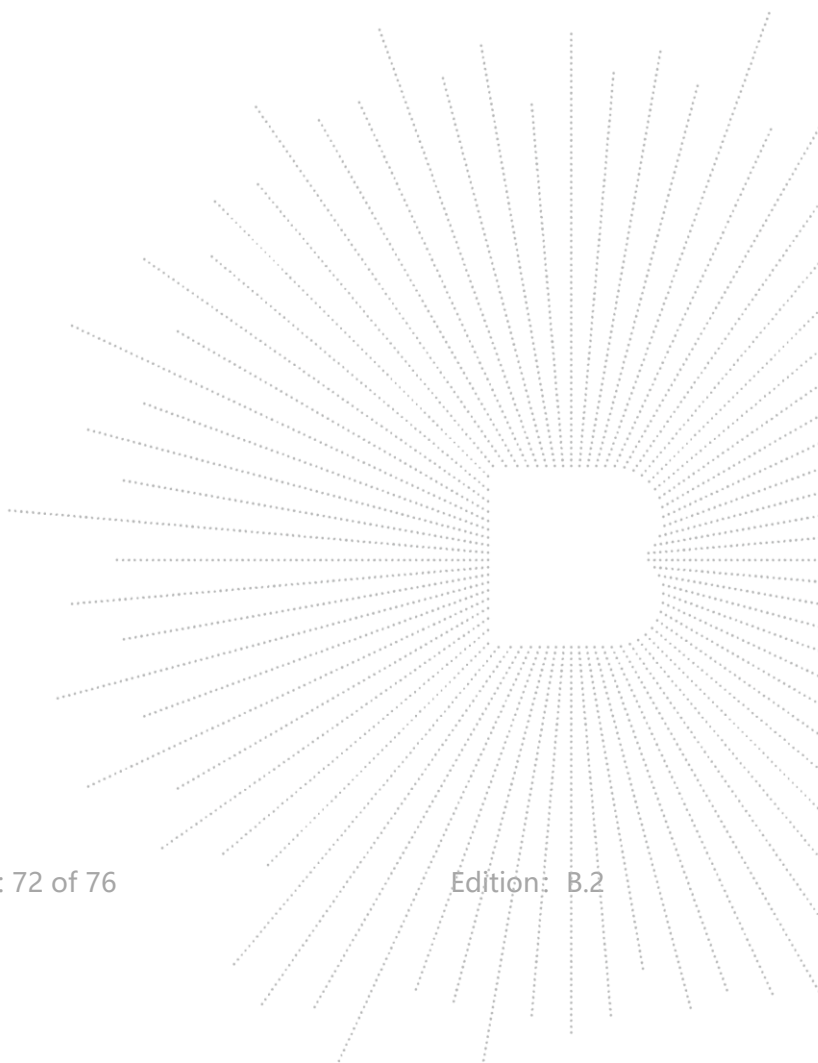
15. EUT Photographs

EUT Photo 1
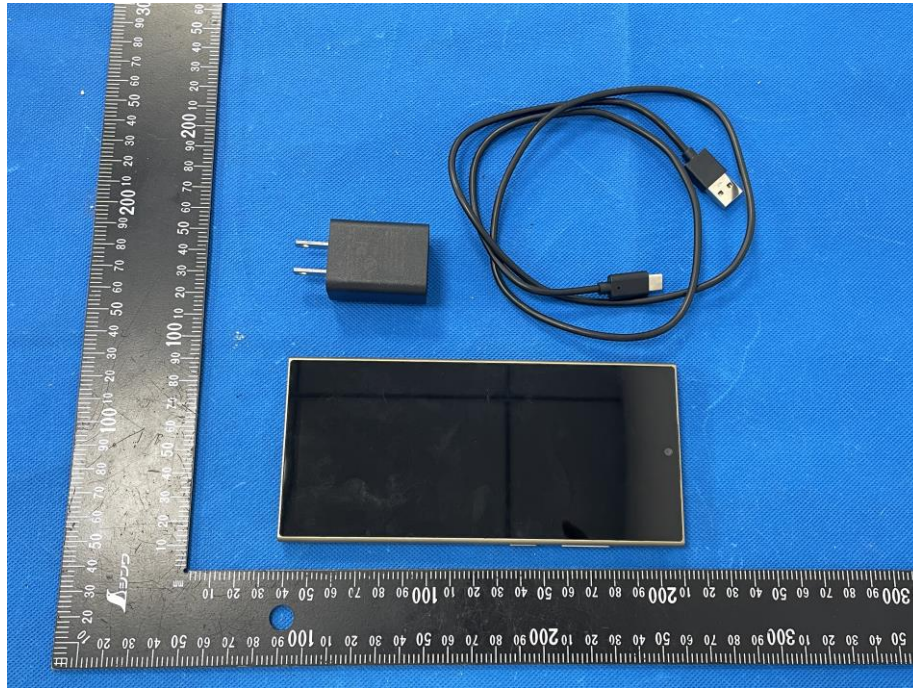

EUT Photo 2
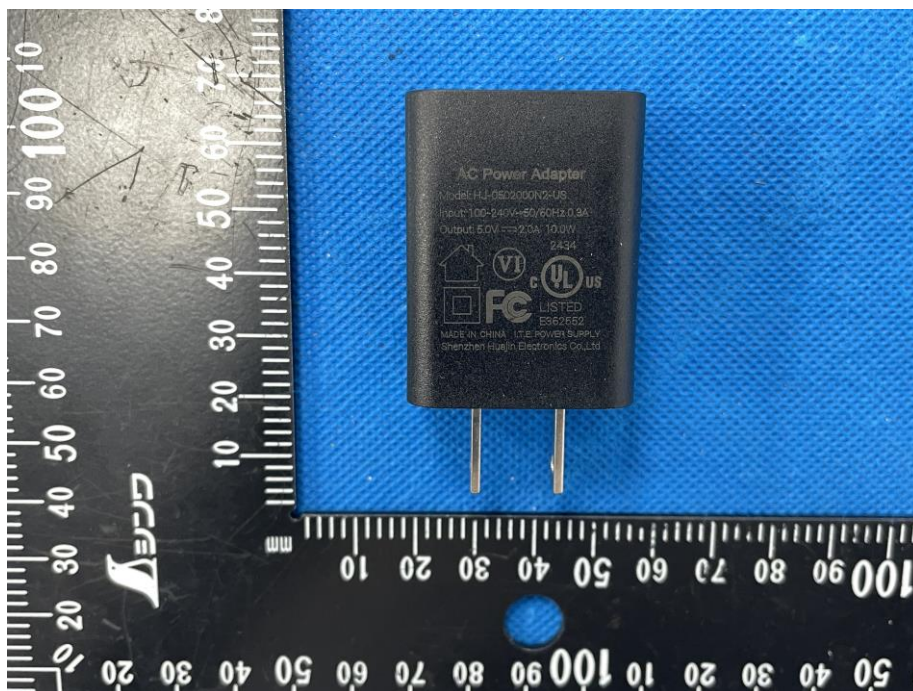
NOTE: Appendix-Photographs Of EUT Constructional Details.

16. EUT Test Setup Photographs

Conducted Emissions Photo
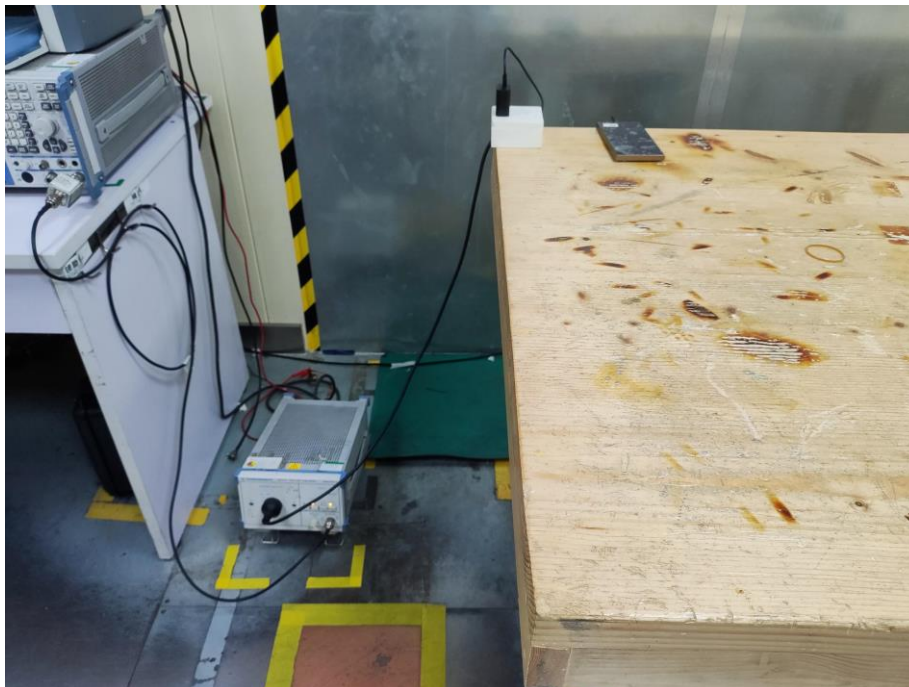
Radiated Measurement Photos
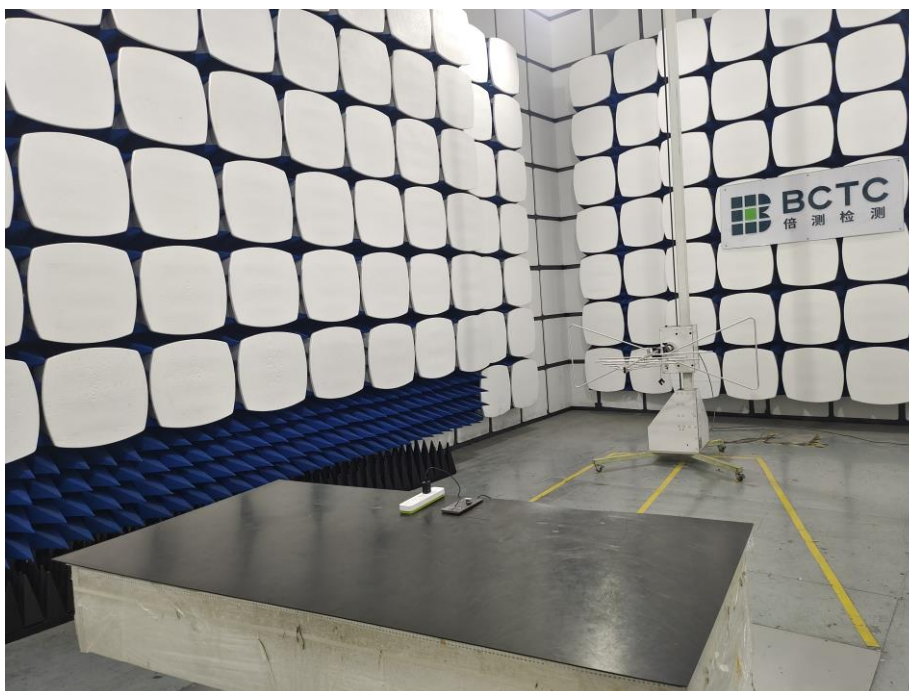
STATEMENT

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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