



# TEST REPORT

**APPLICANT** : BLU Products, Inc.  
**PRODUCT NAME** : Smart Phone  
**MODEL NAME** : K20  
**BRAND NAME** : BOLD  
**FCC ID** : YHLBLU20KSP  
**STANDARD(S)** : 47 CFR Part 15 Subpart B  
**RECEIPT DATE** : 2024-11-13  
**TEST DATE** : 2024-11-14 to 2024-11-27  
**ISSUE DATE** : 2024-12-23



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Change History		
Version	Date	Reason for Change
1.0	2024-12-23	First edition



# 1. Technical Information

**Note:** Provide by applicant

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	BLU Products, Inc.
<b>Applicant Address:</b>	8600 NW 36th Street, Suite #300 Miami, FL 33166, USA
<b>Manufacturer:</b>	BLU Products, Inc.
<b>Manufacturer Address:</b>	8600 NW 36th Street, Suite #300 Miami, FL 33166, USA

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Smart Phone
<b>EUT No.:</b>	5#
<b>Hardware Version:</b>	SPR_S60680_V1.0
<b>Software Version:</b>	BOLD_K0170_V14.0.01.01_GENERIC_20241107
<b>Tx Frequency:</b>	GSM850: 824 MHz ~ 849 MHz GSM1900: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 40: 2300 MHz ~ 2400 MHz LTE Band 66: 1710 MHz ~ 1780 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz 802.11a/ac/n: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~ 5700 MHz; 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz
<b>Rx Frequency:</b>	GSM850: 869 MHz ~ 894 MHz GSM1900: 1930 MHz ~ 1990 MHz



	<p>WCDMA Band II: 1930 MHz ~ 1990 MHz  WCDMA Band IV: 2110 MHz ~ 2155 MHz  WCDMA Band V: 869 MHz ~ 894 MHz  LTE Band 2: 1930 MHz ~ 1990 MHz  LTE Band 4: 2110 MHz ~ 2155 MHz  LTE Band 5: 869 MHz ~ 894 MHz  LTE Band 7: 2620 MHz ~ 2690 MHz  LTE Band 12: 729 MHz ~ 746 MHz  LTE Band 13: 746 MHz ~ 756 MHz  LTE Band 17: 734 MHz ~ 746 MHz  LTE Band 38: 2570 MHz ~ 2620 MHz  LTE Band 40: 2300 MHz ~ 2400 MHz  LTE Band 66: 2110 MHz ~ 2200 MHz  802.11b/g/n: 2412 MHz ~ 2462 MHz  802.11a/ac/n: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz;  5500 MHz ~ 5700 MHz; 5745 MHz ~ 5825 MHz  Bluetooth: 2402 MHz ~ 2480 MHz  GPS(L1)/GLONASS(G1)/BDS(B1I): 1559 MHz ~ 1610 MHz  FM: 87.5 MHz ~ 108 MHz</p>																														
<p><b>Accessory:</b></p>	<table border="1"> <tr> <td colspan="2" data-bbox="574 1090 1441 1128"><b>AC Adapter</b></td> </tr> <tr> <td data-bbox="574 1128 807 1173">Brand Name:</td> <td data-bbox="807 1128 1441 1173">BOLD</td> </tr> <tr> <td data-bbox="574 1173 807 1218">Model No.:</td> <td data-bbox="807 1173 1441 1218">US-BJD-225Q</td> </tr> <tr> <td data-bbox="574 1218 807 1263">Serial No.:</td> <td data-bbox="807 1218 1441 1263">(N/A, marked #1 by test site)</td> </tr> <tr> <td data-bbox="574 1263 807 1308">Rated Input:</td> <td data-bbox="807 1263 1441 1308">100-240V~50/60Hz, 0.5A</td> </tr> <tr> <td data-bbox="574 1308 807 1397">Rated Output:</td> <td data-bbox="807 1308 1441 1397">5.0V=3000mA, 9.0V=2500mA, 10V=2250mA, 12.0V=1500mA</td> </tr> <tr> <td data-bbox="574 1397 807 1442">Manufacturer:</td> <td data-bbox="807 1397 1441 1442">ShenZhen BaiJunDa Electronic Co., Ltd</td> </tr> <tr> <td colspan="2" data-bbox="574 1442 1441 1487"><b>Battery</b></td> </tr> <tr> <td data-bbox="574 1487 807 1532">Brand Name:</td> <td data-bbox="807 1487 1441 1532">BOLD</td> </tr> <tr> <td data-bbox="574 1532 807 1576">Model No.:</td> <td data-bbox="807 1532 1441 1576">C976446500P</td> </tr> <tr> <td data-bbox="574 1576 807 1621">Serial No.:</td> <td data-bbox="807 1576 1441 1621">(N/A, marked #1 by test site)</td> </tr> <tr> <td data-bbox="574 1621 807 1666">Capacity:</td> <td data-bbox="807 1621 1441 1666">5000mAh</td> </tr> <tr> <td data-bbox="574 1666 807 1711">Rated Voltage:</td> <td data-bbox="807 1666 1441 1711">3.85V</td> </tr> <tr> <td data-bbox="574 1711 807 1756">Charge Limit:</td> <td data-bbox="807 1711 1441 1756">4.4V</td> </tr> <tr> <td data-bbox="574 1756 807 1843">Manufacturer:</td> <td data-bbox="807 1756 1441 1843">GUANGDONG FENGHUA NEWENERGY CO.,LTD.</td> </tr> </table>	<b>AC Adapter</b>		Brand Name:	BOLD	Model No.:	US-BJD-225Q	Serial No.:	(N/A, marked #1 by test site)	Rated Input:	100-240V~50/60Hz, 0.5A	Rated Output:	5.0V=3000mA, 9.0V=2500mA, 10V=2250mA, 12.0V=1500mA	Manufacturer:	ShenZhen BaiJunDa Electronic Co., Ltd	<b>Battery</b>		Brand Name:	BOLD	Model No.:	C976446500P	Serial No.:	(N/A, marked #1 by test site)	Capacity:	5000mAh	Rated Voltage:	3.85V	Charge Limit:	4.4V	Manufacturer:	GUANGDONG FENGHUA NEWENERGY CO.,LTD.
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REPORT No.: SZ24100314E01

**Note:**

1. For a more detailed description, please refer to specification or user's manual supplied by the applicant and/or manufacturer.



## 2. Test Results

### 2.1. Applied Reference Documents

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart B:

No.	Identity	Document Title
1	47 CFR Part 15	Radio Frequency Devices

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Test Date	Test Engineer	Result	Method Determination Remark
1	15.107	Conducted Emission	2024.11.15	Gao Jianrou	PASS	No deviation
2	15.109	Radiated Emission	2024.11.14 to 2024.11.27	Wang Deyong	PASS	No deviation

**Note 1:** The tests were performed according to the method of measurements prescribed in ANSI C63.4-2014.

**Note 2:** Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

**Note 3:** When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.



## 2.2. EUT Setup and Operating Conditions

Note: All of the following test modes are tested in all the test items.

Test Item	
Mode 1	EUT + GSM850 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 2	EUT + GSM1900 Idle + Bluetooth Idle + 5G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 3	EUT + WCDMA Band II Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 4	EUT + WCDMA Band IV Idle + Bluetooth Idle + 5G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 5	EUT + WCDMA Band V Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 6	EUT + LTE Band 2 Idle + Bluetooth Idle + 5G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 7	EUT + LTE Band 4 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 8	EUT + LTE Band 5 Idle + Bluetooth Idle + 5G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 9	EUT + LTE Band 7 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 10	EUT + LTE Band 12 Idle + Bluetooth Idle + 5G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 11	EUT + LTE Band 13 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 12	EUT + LTE Band 17 Idle + Bluetooth Idle + 5G WLAN Idle + GPS(L1) Rx+ Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 13	EUT + LTE Band 38 Idle + Bluetooth Idle + 2.4G WLAN Idle + GLONASS(G1) Rx+ Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 14	EUT + LTE Band 40 Idle + Bluetooth Idle + 5G WLAN Idle + BDS(B1I) Rx+ Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
Mode 15	EUT + LTE Band 66 Idle + Bluetooth Idle + 2.4G WLAN Idle + FM Rx+ Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card
<b>Mode 16</b>	<b>EUT + WCDMA Band II Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery + USB Cable + Earphone + SIM Card + PC + Data Transmission Mode</b>



Mode 17 :	<b>EUT + LTE Band 2 Idle + Bluetooth Idle + 5G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card + Rear Camera Mode</b>
Mode 18 :	EUT + LTE Band 5 Idle + Bluetooth Idle + 5G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card + Front Camera Mode
Mode 19 :	EUT + LTE Band 7 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery + AC Adapter + USB Cable (Charging from AC Adapter) + Earphone + SIM Card + Play 1kHz Color Bar Video Mode
Mode 20 :	EUT + LTE Band 13 Idle + Bluetooth Idle + 2.4G WLAN Idle + Battery + USB Cable + Earphone + SIM Card + PC + PC Adapter + Indirect Supply Mode
<b>Remark:</b>	The above test mode in boldface (Mode 17) was the worst case of conducted emission test, only the test data of this mode was reported. The above test mode in boldface (Mode 16) was the worst case of radiated emission test, only the test data of this mode was reported.

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15 - 35
Relative Humidity (%):	30 - 60
Atmospheric Pressure (kPa):	86 - 106

## 3. 47 CFR Part 15B Requirements

### 3.1. Conducted Emission

#### 3.1.1. Requirement

According to FCC section 15.107, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 $\mu$ H/50 $\Omega$  line impedance stabilization network (LISN).

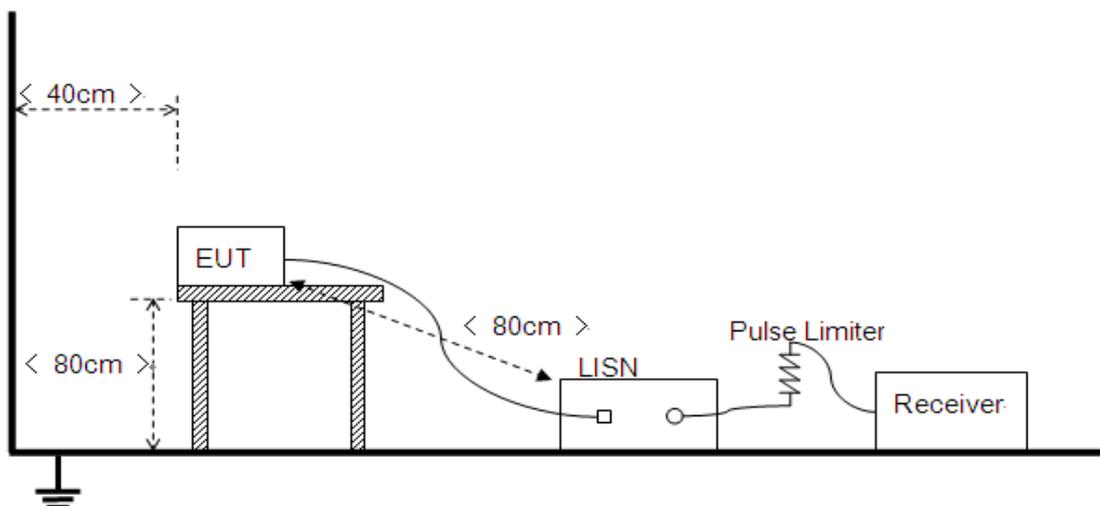
Frequency Range (MHz)	Conducted Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- The limit subjects to the Class B digital device.
- The lower limit shall apply at the band edges.
- The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

#### 3.1.2. Test Setup

Please refer to Annex A for the photographs of the Test Configuration.





The EUT is placed on a 0.8m high insulating table, which stands on the grounded conducting floor, and keeps 0.4m away from the grounded conducting wall. The EUT is connected to the power mains through a LISN which provides  $50\Omega/50\mu\text{H}$  of coupling impedance for the measuring instrument. A Pulse Limiter is used to protect the measuring instrument. The factors of the whole test system are calibrated to correct the reading.

The power strip or extension cord has been investigated to make sure that the LISN integrity is maintained with respect to the impedance characteristics as prescribed in ANSI C63.4-2014 at Clause 4.3.

### 3.1.3. Test Result

Set RBW=9 kHz, VBW=30 kHz. The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. All test modes are considered, refer to recorded points and plots below.

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V}] = U_R [\text{dB}\mu\text{V}] + L_{\text{Cable loss}} [\text{dB}] + A_{\text{Factor}} [\text{dB}]$$

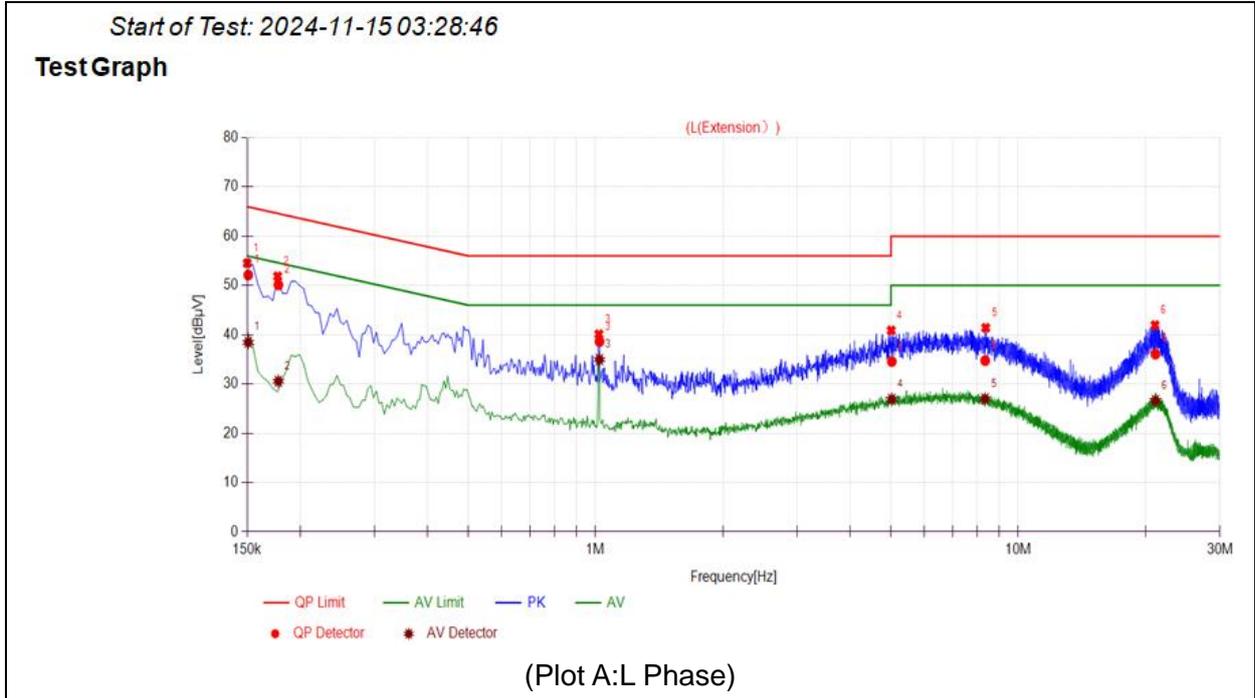
$U_R$ : Receiver Reading

$A_{\text{Factor}}$ : Voltage Division Factor of LISN

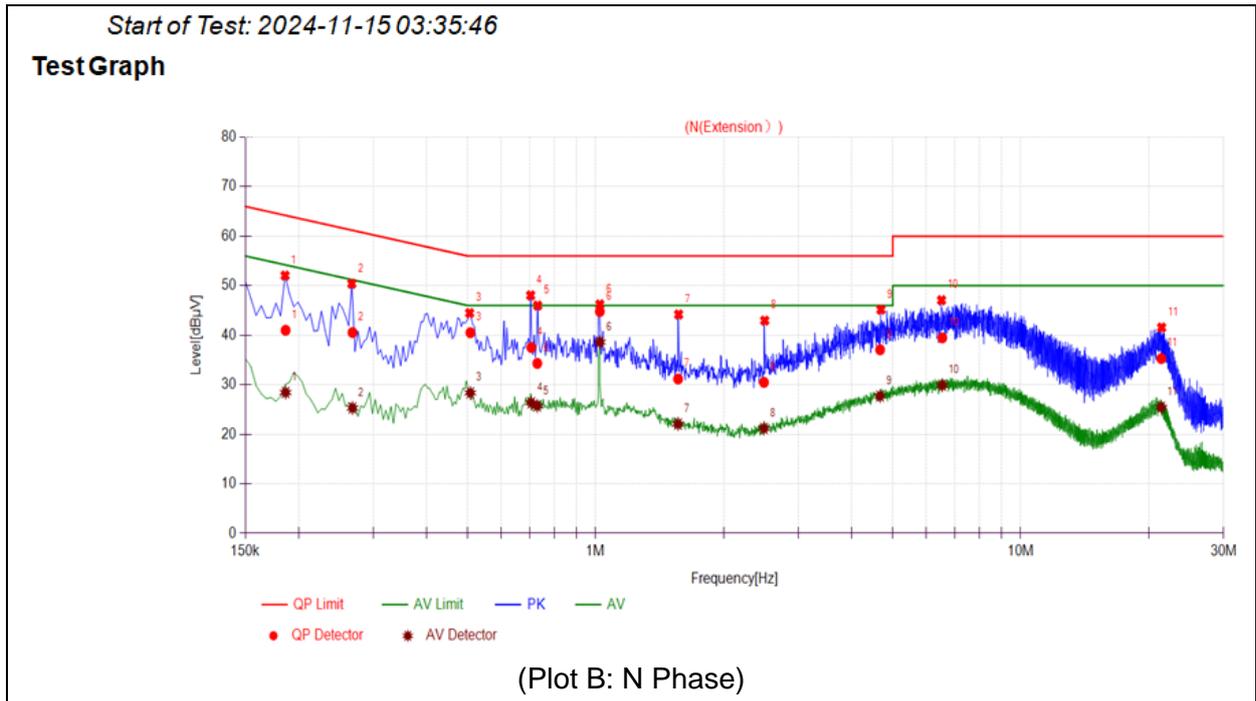
$L_{\text{Cable loss}}$ : Correction Factor Contains Pulse Limiter and Cable

During the test, the total correction Factor  $L_{\text{Cable loss}}$  and  $A_{\text{Factor}}$  were built in test software.

**A. Test Plot and Suspicious Points:**



No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quasi-peak	Average	Quasi-peak	Average		
1	0.1508	52.13	38.45	65.96	55.96	Line	PASS
2	0.1777	50.12	30.56	64.59	54.59		PASS
3	1.0216	38.61	34.96	56.00	46.00		PASS
4	5.0209	34.56	26.90	60.00	50.00		PASS
5	8.3475	34.76	26.97	60.00	50.00		PASS
6	21.1083	36.06	26.65	60.00	50.00		PASS



No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quasi-peak	Average	Quasi-peak	Average		
1	0.1865	41.00	28.44	64.19	54.19	Neutral	PASS
2	0.2679	40.55	25.30	61.18	51.18		PASS
3	0.5073	40.51	28.36	56.00	46.00		PASS
4	0.7056	37.53	26.36	56.00	46.00		PASS
5	0.7288	34.32	25.71	56.00	46.00		PASS
6	1.0229	44.79	38.62	56.00	46.00		PASS
7	1.5629	31.16	22.07	56.00	46.00		PASS
8	2.4885	30.48	21.18	56.00	46.00		PASS
9	4.6679	37.07	27.70	56.00	46.00		PASS
10	6.5350	39.47	29.89	60.00	50.00		PASS
11	21.4090	35.29	25.45	60.00	50.00		PASS



### 3.2. Radiated Emission

#### 3.2.1. Requirement

According to FCC section 15.109 (a), the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency Range (MHz)	Field Strength Limitation at 3m Measurement Dist	
	( $\mu\text{V/m}$ )	( $\text{dB}\mu\text{V/m}$ )
30.0 - 88.0	100	20log 100
88.0 - 216.0	150	20log 150
216.0 - 960.0	200	20log 200
Above 960.0	500	20log 500

As shown in FCC section 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector. When average radiated emission measurements are specified in this part, including emission measurements below 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit for the frequency being investigated unless a different peak emission limit is otherwise specified in the rules.

Note:

- 1) The tighter limit shall apply at the boundary between two frequency range.
- 2) Limitation expressed in  $\text{dB}\mu\text{V/m}$  is calculated by  $20\log$  Emission Level( $\mu\text{V/m}$ ).

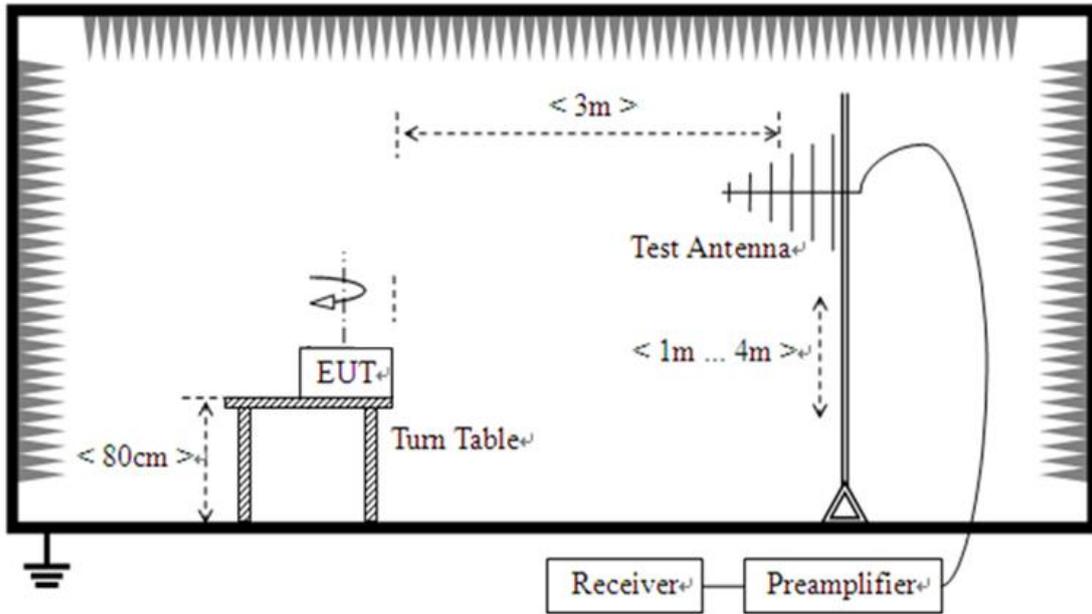
#### 3.2.2. Frequency Range of Measurement

According to 15.33(b)(1), the frequency range of radiated measurement for the EUT is listed in the following table:

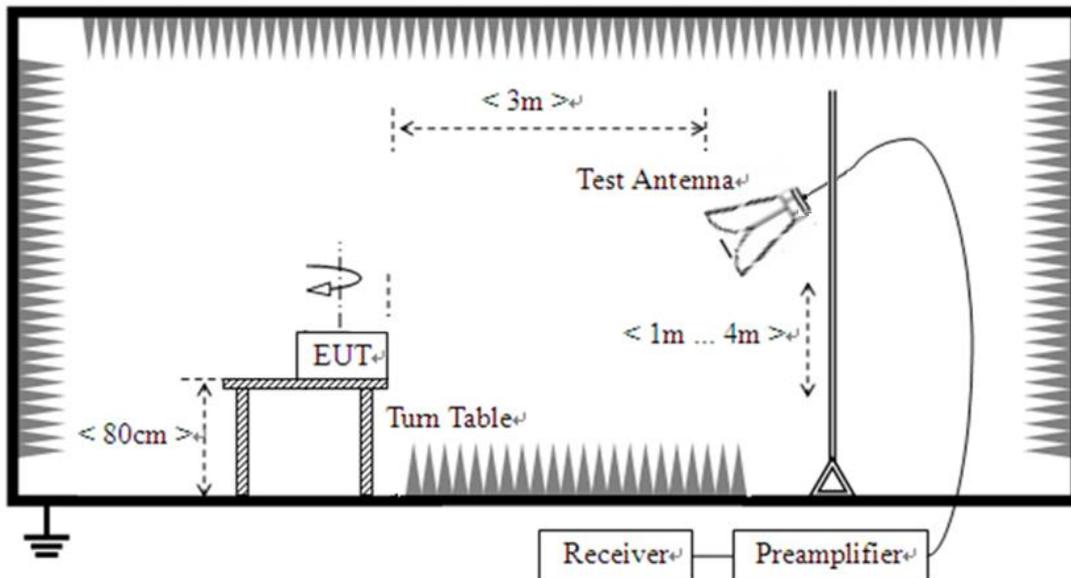
Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705 .....	30.
1.705–108 .....	1000.
108–500 .....	2000.
500–1000 .....	5000.
Above 1000 .....	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

### 3.2.3. Test Setup

- 1) For radiated emissions from 30MHz to 1GHz



- 2) For radiated emissions above 1GHz





The test is performed in a 3m Semi-Anechoic Chamber; the antenna factor, cable loss and so on of the site (factors) is calculated to correct the reading. The EUT is placed on a 0.8m high insulating Turn Table, and keeps 3m away from the Test Antenna, which is mounted on variable-height antenna master tower.

For the test Antenna:

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested. For measurements above 1 GHz, keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

For measurements below 1GHz the resolution bandwidth is set to 120 kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video bandwidth is set to 3MHz for peak measurements and as applicable for average measurements.

### 3.2.4. Test Result

The maximum radiated emission is searched using PK, QP and AV detectors; the emission levels more than the limits, and that have narrow margins from the limits will be re-measured with AV and QP detectors. Both the vertical and the horizontal polarizations of the Test Antenna are considered to perform the tests. All test modes are considered, refer to recorded points and plots below.

The amplitude of emissions which (6GHz-30GHz) are attenuated more than 20 dB below the permissible value need not be reported.

The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V/m]} = U_R \text{ [dB}\mu\text{V]} + A_T \text{ [dB]} + A_{\text{Factor}} \text{ [dB]}; A_T = L_{\text{Cable loss}} \text{ [dB]} - G_{\text{preamp}} \text{ [dB]}$$

$A_T$ : Total correction Factor except Antenna

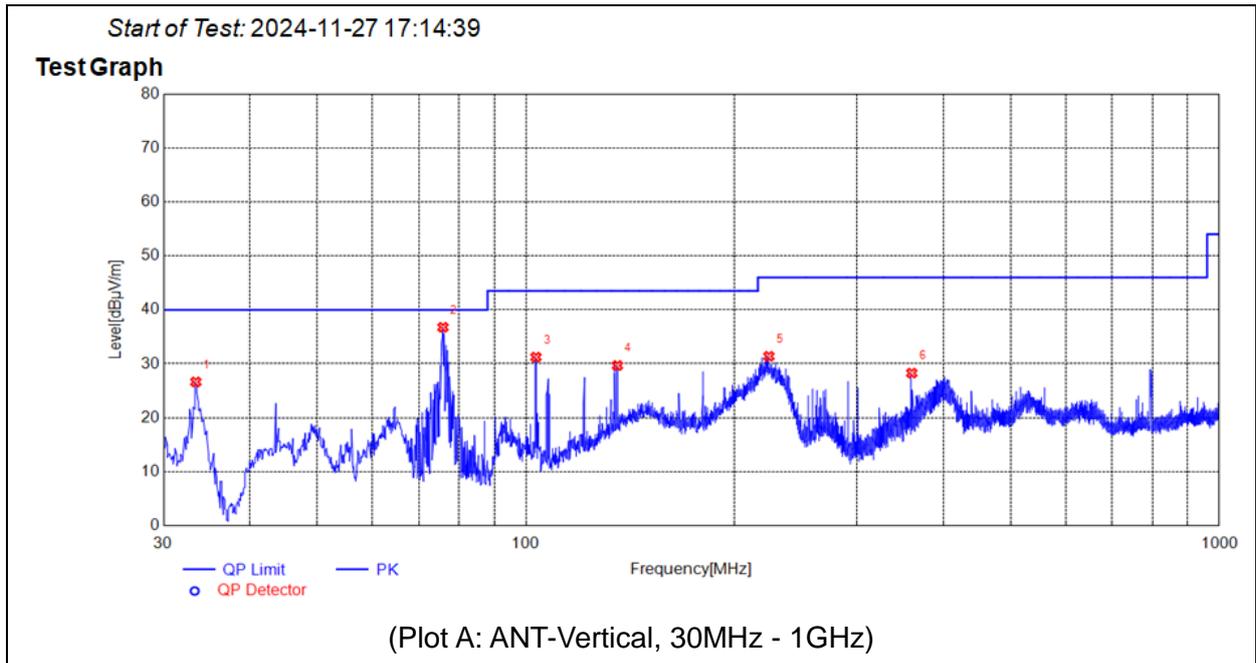
$U_R$ : Receiver Reading

$G_{\text{preamp}}$ : Preamplifier Gain

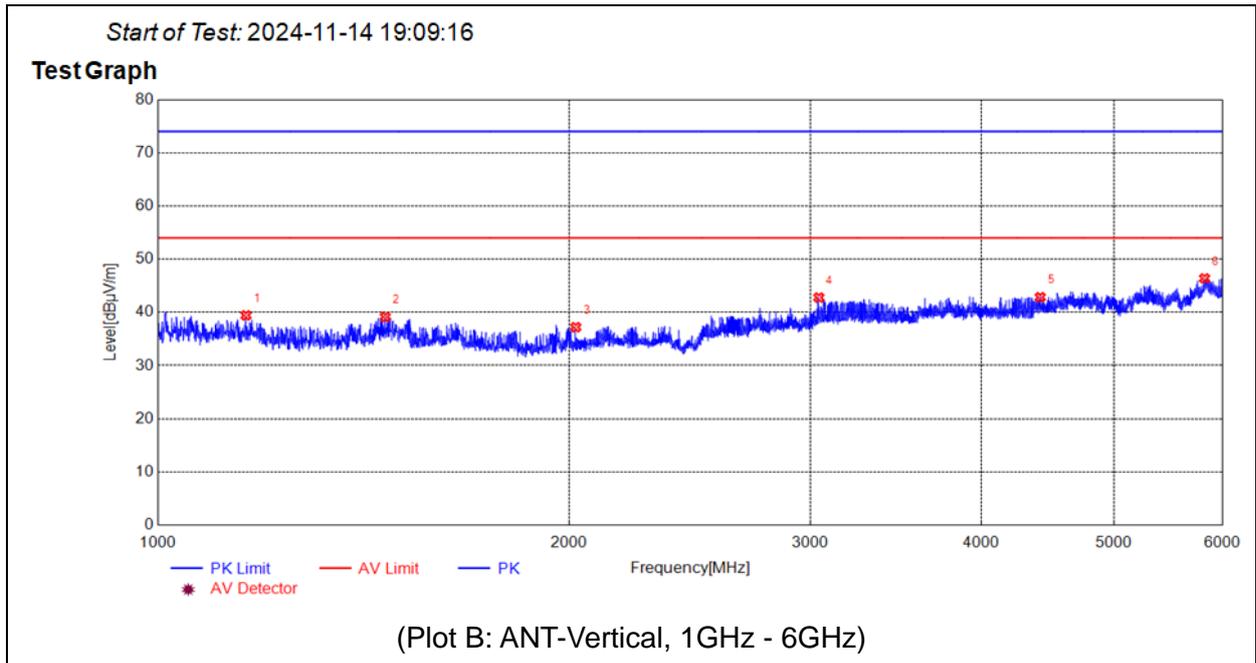
$A_{\text{Factor}}$ : Antenna Factor at 3m

During the test, the total correction Factor  $A_T$  and  $A_{\text{Factor}}$  were built in test software.

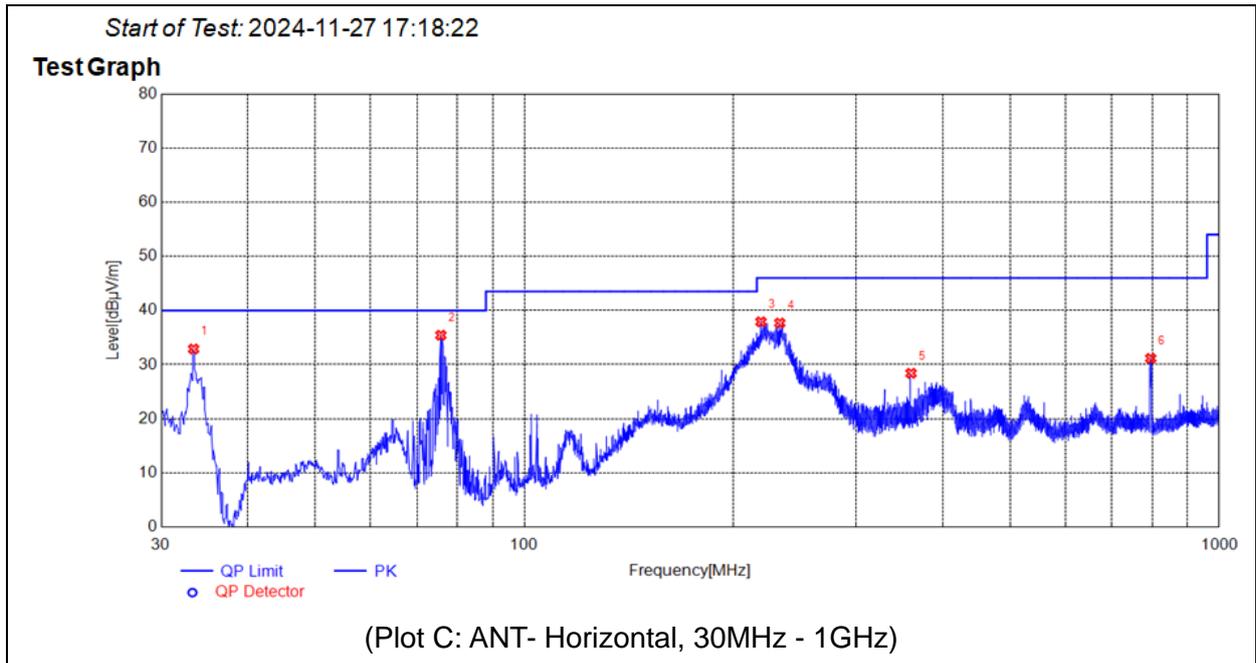
Note: All radiated emission tests were performed in X, Y, Z axis direction, and only the worst axis test condition was recorded in this test report.



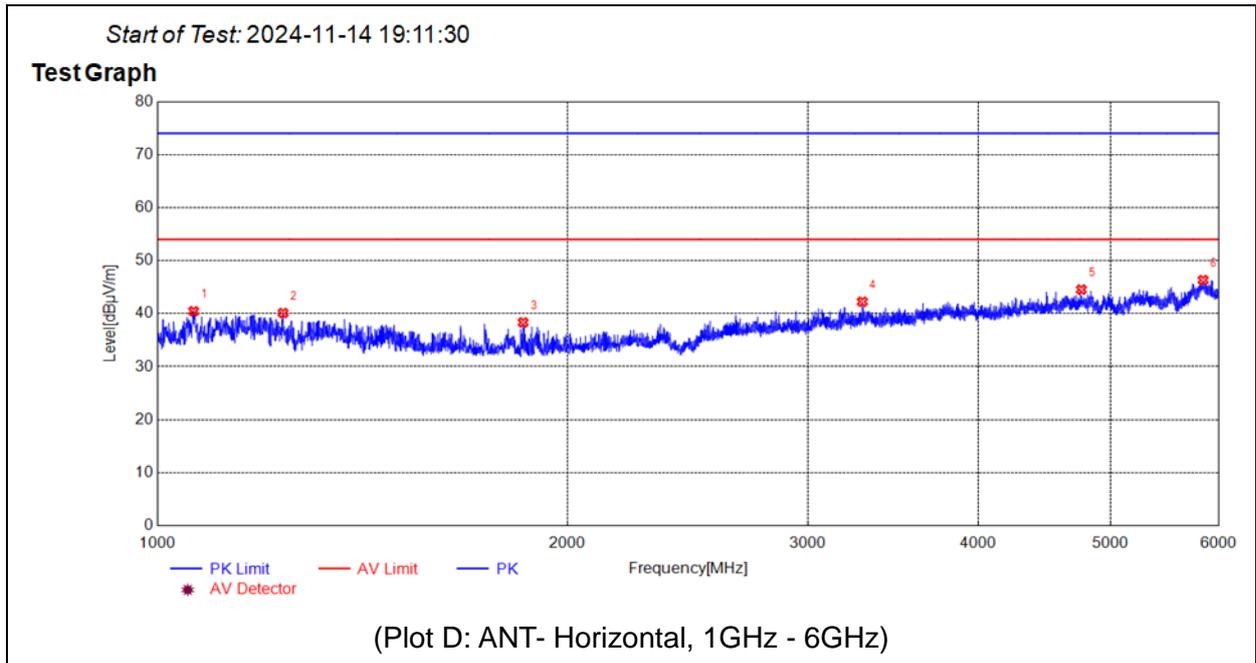
No.	Fre. MHz	PK dBµV/m	QP dBµV/m	AV dBµV/m	Limit-PK dBµV/m	Limit-QP dBµV/m	Limit-AV dBµV/m	ANT	Verdict
1	33.3953	26.64	N.A	N.A	N.A	40.00	N.A	V	PASS
2	75.8856	36.76	N.A	N.A	N.A	40.00	N.A	V	PASS
3	103.3393	31.23	N.A	N.A	N.A	43.50	N.A	V	PASS
4	135.4495	29.67	N.A	N.A	N.A	43.50	N.A	V	PASS
5	224.0194	31.38	N.A	N.A	N.A	46.00	N.A	V	PASS
6	360.0270	28.27	N.A	N.A	N.A	46.00	N.A	V	PASS



No.	Fre. MHz	PK dBµV/m	QP dBµV/m	AV dBµV/m	Limit-PK dBµV/m	Limit-QP dBµV/m	Limit-AV dBµV/m	ANT	Verdict
1	1160.5000	39.43	N.A	N.A	74.00	N.A	54.00	V	PASS
2	1467.0000	39.13	N.A	N.A	74.00	N.A	54.00	V	PASS
3	2021.5000	37.21	N.A	N.A	74.00	N.A	54.00	V	PASS
4	3043.5000	42.78	N.A	N.A	74.00	N.A	54.00	V	PASS
5	4418.0000	42.85	N.A	N.A	74.00	N.A	54.00	V	PASS
6	5825.5000	46.39	N.A	N.A	74.00	N.A	54.00	V	PASS



No.	Fre. MHz	PK dBµV/m	QP dBµV/m	AV dBµV/m	Limit-PK dBµV/m	Limit-QP dBµV/m	Limit-AV dBµV/m	ANT	Verdict
1	33.3953	32.88	N.A	N.A	N.A	40.00	N.A	H	PASS
2	75.7886	35.43	N.A	N.A	N.A	40.00	N.A	H	PASS
3	218.9749	37.90	N.A	N.A	N.A	46.00	N.A	H	PASS
4	233.0413	37.68	N.A	N.A	N.A	46.00	N.A	H	PASS
5	360.0270	28.40	N.A	N.A	N.A	46.00	N.A	H	PASS
6	796.6677	31.15	N.A	N.A	N.A	46.00	N.A	H	PASS



No.	Fre. MHz	PK dBµV/m	QP dBµV/m	AV dBµV/m	Limit-PK dBµV/m	Limit-QP dBµV/m	Limit-AV dBµV/m	ANT	Verdict
1	1063.5000	40.45	N.A	N.A	74.00	N.A	54.00	H	PASS
2	1237.0000	40.12	N.A	N.A	74.00	N.A	54.00	H	PASS
3	1855.0000	38.35	N.A	N.A	74.00	N.A	54.00	H	PASS
4	3289.5000	42.25	N.A	N.A	74.00	N.A	54.00	H	PASS
5	4761.0000	44.54	N.A	N.A	74.00	N.A	54.00	H	PASS
6	5848.5000	46.33	N.A	N.A	74.00	N.A	54.00	H	PASS



## Annex A Test Uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

### Uncertainty of Conducted Emission Measurement

Measuring Uncertainty for a Level of Confidence of 95%(U=2Uc(y))	9kHz-150kHz	±3.3dB
	150kHz-30MHz	±2.8dB

### Uncertainty of Radiated Emission Measurement

Measuring Uncertainty for a Level of Confidence of 95%(U=2Uc(y))	30MHz-200MHz	±5.06dB
	200MHz-1000MHz	±5.04dB
	1GHz-6GHz	±5.18dB
	6GHz-18GHz	±5.48dB



## Annex B Testing Laboratory Information

### 1. Identification of the Responsible Testing Laboratory

<b>Laboratory Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Laboratory Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
<b>Telephone:</b>	+86 755 36698555
<b>Facsimile:</b>	+86 755 36698525

### 2. Identification of the Responsible Testing Location

<b>Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

### 3. Accreditation Certificate

<b>Accredited Testing Laboratory:</b>	The FCC designation number is CN1192. Test firm registration number is 226174. (Shenzhen Morlab Communications Technology Co., Ltd.)
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### 4. Test Software Utilized

<b>Model</b>	<b>Version Number</b>	<b>Producer</b>
TS+ -[JS32-RE]	Version 2.5.0.6	Tonscend
TS+ -[ JS32-CE]	Version 2.5.0.0	Tonscend

**5. Test Equipments Utilized**

Description	Model	Serial No.	Manufacturer	Cal. Date	Due. Date
Bi-Log Antenna	VULB 9163	9163-519	SCHWARZBECK	2024/6/22	2025/6/21
Horn Antenna	BBHA 9120D	01774	SCHWARZBECK	2024/6/22	2025/6/21
Horn Antenna	BBHA9170	BBHA9170 #773	SCHWARZBECK	2024/6/22	2025/6/21
Receiver	N9038A	MY564000 93	KEYSIGHT	2024/1/25	2025/1/24
Preamplifier	S020180L3203	61171/611 72	LUCIX CORP.	2024/5/30	2025/5/29
Preamplifier	S10M100L3802	46732	LUCIX CORP.	2024/5/30	2025/5/29
Preamplifier	DCLNA0118-40 C-S	DS77209	Decentest	2024/5/30	2025/5/29
RF Coaxial Cable	PE330	MRE001	Pasternack	N/A	N/A
RF Coaxial Cable	CLU18	MRE002	Pasternack	N/A	N/A
RF Coaxial Cable	CLU18	MRE003	Pasternack	N/A	N/A
RF Coaxial Cable	BNC	MRE04	Qualwave	N/A	N/A
Receiver	ESPI	101052	R&S	2024/6/3	2025/6/2
LISN	NSLK 8127	8127449	Schwarzbeck	2024/2/2	2025/2/1
10dB Pulse Limiter	VTSD 9561-F	VTSD 9561 F-B #206	SCHWARZBECK	2024/5/30	2025/5/29
System Simulator	CMW500	152038	R&S	2024/9/11	2025/9/10

**6. Ancillary Equipment Utilized**

Description	Model	Serial No.	Manufacturer
PC	A1370	N/A	APPLE
PC	P144G	20210357	DELL
PC Adapter	HA65NM190	N/A	DELL
Earphone	N/A	N/A	OPPO

————— END OF REPORT —————