



# TESTREPORT

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Report Number: SZNS211213-64419E-RFA  
FCC ID: 2ATZ4-A13P5  
IC: 26074-A13P5

## Test Standard (s)

FCC PART 22H; RSS-132 ISSUE 3, JANUARY 2013

## Sample Description

Product: Smart Phone  
Trademark: UMIDIGI  
Tested Model: A13 Pro 5G  
Multiple Model: A13 Pro Max 5G(Please refer to DOS for Model difference)  
Date Received: 2021/12/13  
Report Date: 2022/05/19

Test Result:	Pass*
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\* In the configuration tested, the EUT complied with the standards above.

## Prepared and Checked By:

Ting Lü  
EMC Engineer

## Approved By:

Robert Li  
EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "★".

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## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

HVIN	A13 Pro 5G:G5011N-PZ-V2.1 A13 Pro Max 5G:G5077U-MB-V2.0
FVIN	A13 Pro 5G:UMIDIGI_A13_Pro_5G_V1.0 A13 Pro Max 5G:UMIDIGI_A13_Pro_Max_5G_V1.0
Frequency Range	5G NR Band 5: 824-849 MHz(TX); 869-894MHz(RX)
Maximum Output Power (Conducted power)	23.56dBm
Modulation Technique	DFT-s-OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM
Antenna Specification*	Internal Antenna (provided by the applicant) ANT0: -1.15dBi
Voltage Range	DC 3.85V from battery or DC 5/7/9/12V from adapter
Sample serial number	SZNS211213-64419E-RF-S1(Assigned by ATC)
Sample/EUT Status	Good condition
Adapter information	Model: HJ-FC017K7-US Input: AC 100-240V, 50/60Hz, 0.6A Output: DC 5.0V, 2.0A or 7.0V,2.0A or 9.0V,2.0A or 12.0V,1.5A,18.0W
Normal/Extreme Condition*	VN.: Normal Voltage: 3.85V <sub>DC</sub> VL.: Low Temperature 3.45V <sub>DC</sub> VH.: High Temperature 4.43V <sub>DC</sub> TN: Normal Temperature: 25°C T1~T9: -30°C, -20°C, -10°C, 0°C, 10°C, 20°C, 30°C, 40°C, 50°C (They are provided by the manufacturer)

#### Remark:

- 5G NR bands supports SA Band5 and NSA DC\_2A\_n5A mode only. For SA and NSA mode of all 5G NR, we only show the combination of the maximum power among all SA and NSA combinations in the report.
- For modulation of CP-OFDM and DFT-s-OFDM, the maximum power of CP-OFDM is lower than DFT-s-OFDM modulation, therefore, we chose higher power (DFT-s-OFDM modulation) to perform all tests and show in the report.

### Objective

This test report is in accordance with Part 2-Subpart Jand Subpart 22H of the Federal Communication Commission's rules and RSS-132 Issue 3 January 2013 of theInnovation, science and Economic Development Canada

The objective is to determine the compliance of the EUT with FCC rules and RSS-132 Issue 3 for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability and band edge.

## Test Methodology

All tests and measurements indicated in this document were performed in accordance with the RSS-132 Issue 3 January 2013 and Code of Federal Regulations Title 47 Part 2-Subpart J as well as the following parts:

Part 22Subpart H - Cellular Radiotelephone Service

ANSI C63.26-2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

## Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		5%
RF output power, conducted		0.73dB
Unwanted Emission, conducted		1.6dB
RF Frequency		$0.082 \times 10^{-7}$
Emissions, Radiated	30MHz - 1GHz	4.28dB
	1GHz- 18GHz	4.98dB
	18GHz- 26.5GHz	5.06dB
Temperature		1°C
Humidity		6%
Supply voltages		0.4%

*Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.*

## Test Facility

The Test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 429 7.01.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0016. The Registration Number is 5077A.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The final qualification test was performed with the EUT operating at normal mode.

The test items were performed with the EUT operating at testing mode. Test was performed with channels as below table:

Band	Channel Bandwidth	Frequency
NR Band 5	5.0 MHz	826.5MHz, 836.5MHz, 846.5MHz
	10.0 MHz	829MHz, 836.5MHz, 844MHz
	15.0 MHz	831.5MHz, 836.5MHz, 841.5MHz
	20.0 MHz	834MHz, 836.5MHz, 839MHz

### Equipment Modifications

No modification was made to the EUT.

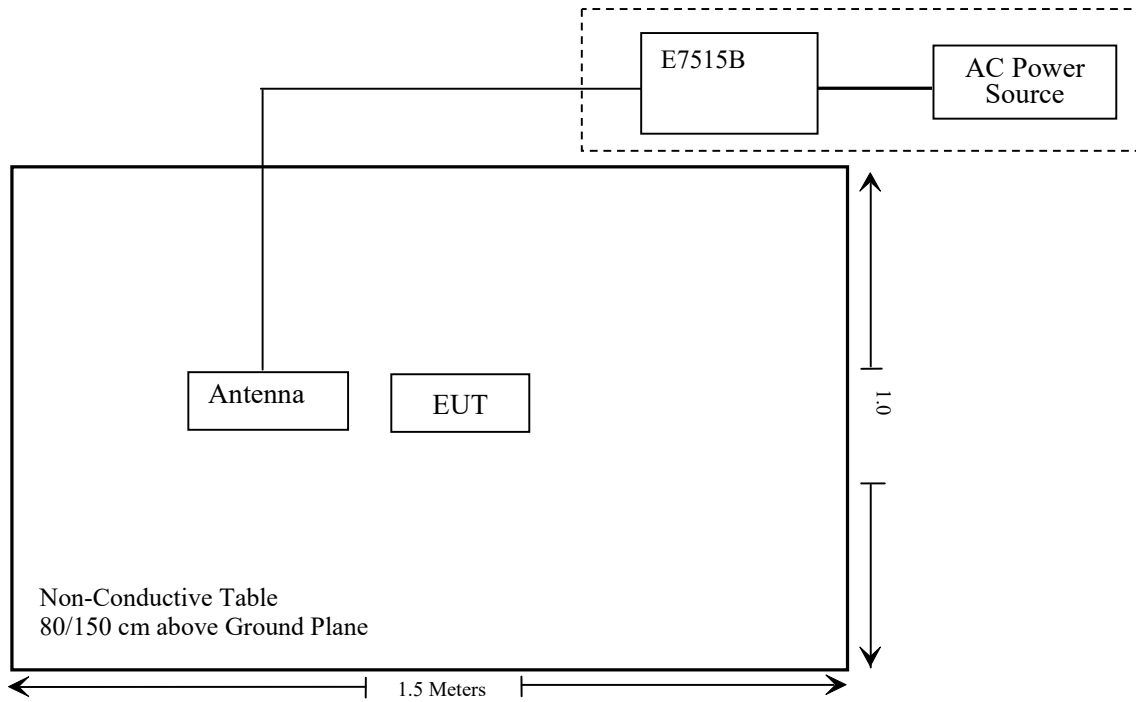
### Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Rohde&Schwarz	Wideband Radio Communication Tester	E7515B	154606

### Support Cable Description

Cable Description	Length (m)	From / Port	To
Un-shielded Un-detachable AC cable	1.2	AC Power Source	E7515B

### Block Diagram of Test Setup



## SUMMARY OF TEST RESULTS

Rules	Description of Test	Result
FCC§1.1310, FCC§2.1093 RSS-102	RF Exposure (SAR)	Compliant*
FCC§2.1046, FCC§22.913(a) RSS-132 §5.4, RSS-Gen §6.12	RF Output Power	Compliant
FCC§ 2.1047	Modulation Characteristics	Not Applicable
RSS-132 §5.1	Channeling Arrangements Frequency Plan	Compliant
RSS-132 §5.2	Types of Modulation	Compliant
FCC§ 2.1049, §22.905, §22.917 RSS-Gen §6.7	Occupied Bandwidth	Compliant
FCC§ 2.1051, FCC §22.917 (a) RSS-132 §5.5, RSS-Gen §6.13	Spurious Emissions at Antenna Terminal	Compliant
FCC§ 2.1053, FCC§22.917 (a) RSS-132 §5.5, RSS-Gen §6.13	Field Strength of Spurious Radiation	Compliant
FCC§22.917 (a) RSS-132 §5.5, RSS-Gen §6.13	Band Edge	Compliant
FCC§ 2.1055, FCC§22.355 RSS-132 §5.3, RSS-Gen §6.11	Frequency stability	Compliant

Note: Compliant\*: Please refer to SAR report number: SZNS211213-64419E-SAA(FCC),  
SZNS211213-64419E-SAB(IC).



**TEST EQUIPMENT LIST**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
<b>Radiated Emission Test</b>					
Rohde & Schwarz	Spectrum Analyzer	FSV-40	101949	2021/12/13	2022/12/12
Keysight	UXM 5G Wireless Test Platform	E7515B	MY58120284	2021-07-21	2022-07-20
Agilent	Signal Generator	N5183A	MY51040755	2021/12/13	2022/12/12
A.H. Systems, inc.	Preamplifier	PAM-0118P	135	2021/11/09	2022/11/08
Rohde& Schwarz	Test Receiver	ESR	102725	2021/12/13	2022/12/12
SONOMA INSTRUMENT	Amplifier	310 N	186131	2021/11/09	2022/11/08
Schwarzbeck	Bilog Antenna	VULB9163	9163-194	2020/01/05	2023/01/04
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2021/07/06	2024/07/05
Schwarzbeck	Horn Antenna	BBHA9120D	9120D-655	2020/01/05	2023/01/04
Schwarzbeck	Horn Antenna	BBHA9120D	9120D-1067	2020/01/05	2023/01/04
Unknown	RF Coaxial Cable	No.10	N050	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.11	N1000	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.12	N040	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.13	N300	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.14	N800	2021/12/14	2022/12/13
Radiated Emission Test Software: e3 19821b(V9)					

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
<b>Radiated Emission Test</b>					
Unknown	Band Reject Filter	MSF824-862 MS-1 147	201706003	2021/12/14	2022/12/13
<b>RF Conducted Test</b>					
Keysight	PXA Signal Analyzer	N9030B	MY59431409	2021-05-28	2022-05-27
Keysight	UXM 5G Wireless Test Platform	E7515B	MY58120284	2021-07-21	2022-07-20
Fluke	Desktop Multi Meter	45	7664009	2021/12/13	2022/12/12
Mini-Circuits	Power Splitter	DC-18000MHz	SF10944151S	2021/12/13	2022/12/12
UNI-T	DC Power Supply	UTP8305B	10584	NCR	NCR
Gongwen	Temp. & Humid. Chamber	HSD-500	109	2021/12/13	2022/12/12
WEINSCHEL	10dB Attenuator	5324	AU 3842	2021/12/14	2022/12/13

\* Statement of Traceability: Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

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## **FCC §1.1310&FCC §2.1093& RSS-102 - RF EXPOSURE**

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### **Applicable Standard**

FCC§1.1310,FCC§2.1093 and RSS-102.

According to FCC§1.1310,FCC§2.1093 andRSS-102, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guideline

### **Test Result**

Compliant, please refer to the SAR report: SZNS211213-64419E-SAA(FCC), SZNS211213-64419E-SAB(IC).

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## **FCC §2.1047 - MODULATION CHARACTERISTIC**

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According to FCC § 2.1047(d), Part 22H there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

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## **RSS-132 §5.1- CHANNELLING ARRANGEMENTS&FREQUENCY PLAN**

### **Applicable Standard**

According to RSS-132 §5.1, Equipment certified under this Standard may employ any channeling arrangement that which is deemed suitable by the service provider, however, such a channeling arrangement shall meet all relevant conditions specified in SRSP-503.

### **Test Result**

Channeling arrangement meets all relevant conditions specified in SRSP-503.

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## **RSS-132 §5.2 - TYPES OF MODULATION**

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### **Applicable Standard**

According to RSS-132 §5.2, equipment certified under this standard shall use digital modulation.

### **Test Result**

The EUT uses DFT-s-OFDMPI/2  
BPSK&DFT-s-OFDMQPSK&DFT-s-OFDM16QAM&DFT-s-OFDM64QAM&DFT-s-OFDM  
256QAM& CP-OFDM QPSK& CP -OFDM 16QAM& CP -OFDM 64QAM& CP -OFDM 256QAM  
modulation.

## **FCC § 2.1046& FCC§22.913(a)&RSS-132 §5.4- RF OUTPUT POWER**

### **Applicable Standard**

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to RSS-132 §5.4

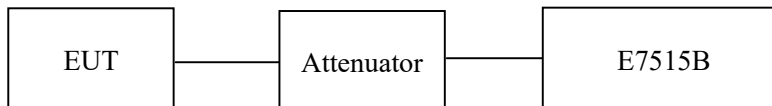
The transmitter output power shall be measured in terms of average power. The equivalent isotropically radiated power (e.i.r.p.) for mobile equipment shall not exceed 11.5 watts. Refer to SRSP-503 for base station e.i.r.p. limits.

In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

### **Test Procedure**

*Conducted method:*

The RF output of the transmitter was connected to the E7515B through sufficient attenuation.



*Radiated method:*

ANSI C63.26-2015 Section 5.5&TIA 603-D section 2.2.17.

**Test Data**

**Environmental Conditions**

<b>Temperature:</b>	25 °C
<b>Relative Humidity:</b>	51 %
<b>ATM Pressure:</b>	101.0 kPa

*The testing was performed by Key Peion 2022-5-11.*

*EUT operation mode: Transmitting(Worst case record in the reports)*

**Conducted Power**

*Test data refer to the Appendix D*



**Peak-to-average ratio (PAR)**

*Test data refer to the Appendix E*

**FCC §2.1049&FCC§22.905&RSS-GEN §6.7 - OCCUPIED BANDWIDTH****Applicable Standard**

FCC 47 §2.1049,FCC §22.905, RSS-GEN §6.7

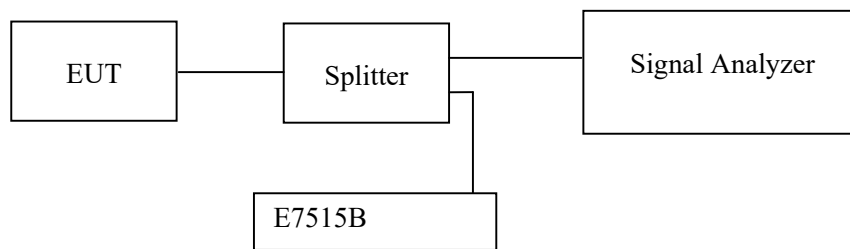
The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

In some cases, the “26 dB bandwidth” is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated 26 dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

**Test Procedure**

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 1% to 5% of the anticipated emission bandwidth and the 26 dB & 99% bandwidth was recorded.

**Test Data****Environmental Conditions**

<b>Temperature:</b>	21~25°C
<b>Relative Humidity:</b>	49~56 %
<b>ATM Pressure:</b>	100.9~101.5kPa

*The testing was performed by Key Peion 2022-05-07 to 2022-05-11*

*EUT operation mode: Transmitting(Worst case record in the reports)*

**Test Result: Pass**

*Test plots refer to the Appendix F*

## **FCC §2.1051& FCC §22.917&RSS-132 §5.5&RSS-GEN §6.13 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS**

### **Applicable Standard**

FCC §2.1051, FCC §22.917

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

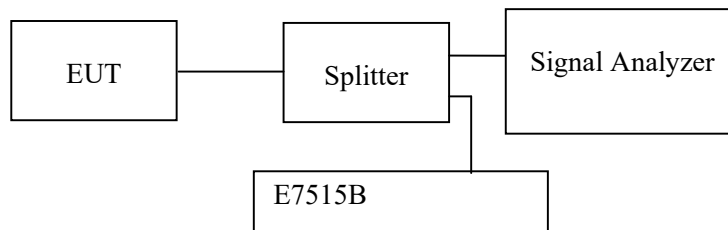
According to RSS-132 §5.5

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

- (a) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} p$  (watts).
- (b) (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} p$  (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

### **Test Procedure**

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz. Sufficient scans were taken to show any out of band emissions up to 10<sup>th</sup> harmonic.



### **Test Data**

#### **Environmental Conditions**

<b>Temperature:</b>	24°C
<b>Relative Humidity:</b>	55 %
<b>ATM Pressure:</b>	101.3kPa

*The testing was performed by Key Peion 2022-5-10.*

*EUT operation mode: Transmitting(Worst case record in the reports)*

**Test result: Pass**

*Test plots refer to the Appendix G*

## FCC § 2.1053& FCC §2.917&RSS-132 §5.5&RSS-GEN §6.13- SPURIOUS RADIATED EMISSIONS

### Applicable Standard

FCC §2.1051, FCC §22.917

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

According to RSS-132 §5.5

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

- (c) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} p$  (watts).
- (d) (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} p$  (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

### Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the receiving antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

### Test Data

#### Environmental Conditions

<b>Temperature:</b>	24°C
<b>Relative Humidity:</b>	55 %
<b>ATM Pressure:</b>	101.3kPa

*The testing was performed by Chao Moon 2022-05-10.*

*EUT operation mode: Transmitting(Worst case record in the reports)*

*The worst case is as below:*

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
	Reading (dBm)	PK/Ave		Height (m)	Polar (H/V)				
5G N5, Low Channel, 5MHz									
188.9	-42.47	PK	165	1.9	H	-1.7	-44.17	-13	-31.17
388.84	-48.68	PK	267	1.9	V	5.09	-43.59	-13	-30.59
1653	-43.43	PK	270	1.9	H	3.53	-39.90	-13	-26.90
1653	-44.03	PK	93	1.2	V	3.53	-40.50	-13	-27.50
5G N5, Middle Channel, 5MHz									
188.9	-42.64	PK	192	1.6	H	-1.7	-44.34	-13	-31.34
388.84	-48.35	PK	31	1.7	V	5.09	-43.26	-13	-30.26
1673	-43.90	PK	314	1.7	H	3.1	-40.80	-13	-27.80
1673	-44.56	PK	7	1.7	V	3.1	-41.46	-13	-28.46
5G N5, High Channel, 5MHz									
188.9	-43.40	PK	22	1.4	H	-1.7	-45.10	-13	-32.10
388.84	-49.63	PK	63	2.1	V	5.09	-44.54	-13	-31.54
1693	-43.17	PK	61	1.9	H	4.02	-39.15	-13	-26.15
1693	-44.08	PK	335	1.4	V	4.02	-40.06	-13	-27.06
DC-2A-n5a , Low Channel, 5MHz									
188.9	-42.32	PK	26	1.9	H	-1.7	-44.02	-13	-31.02
388.84	-48.66	PK	303	2.1	V	5.09	-43.57	-13	-30.57
1653	-42.84	PK	61	1.7	H	3.53	-39.31	-13	-26.31
1653	-44.02	PK	165	1.9	V	3.53	-40.49	-13	-27.49
DC-2A-n5a, Middle Channel, 5MHz									
188.9	-43.38	PK	102	1.3	H	-1.7	-45.08	-13	-32.08
388.84	-49.61	PK	116	2.0	V	5.09	-44.52	-13	-31.52
1673	-42.69	PK	2	1.8	H	3.1	-39.59	-13	-26.59
1673	-42.74	PK	192	1.6	V	3.1	-39.64	-13	-26.64
DC-2A-n5a, High Channel, 5MHz									
188.9	-42.94	PK	52	1.8	H	-1.7	-44.64	-13	-31.64
388.84	-48.87	PK	262	1.0	V	5.09	-43.78	-13	-30.78
1693	-44.51	PK	275	1.1	H	4.02	-40.49	-13	-27.49
1693	-43.39	PK	22	1.4	V	4.02	-39.37	-13	-26.37

**Note:**

Absolute Level = Reading Level + Substituted Factor

Substituted Factor contains: SG Level - Cable loss+ Antenna Gain

Margin = LevelLimit–Absolute

## FCC §22.917(a)&RSS-132 §5.5&RSS-GEN §6.13- BAND EDGES

### Applicable Standard

According to § 22.917(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

According to RSS-132 §5.5

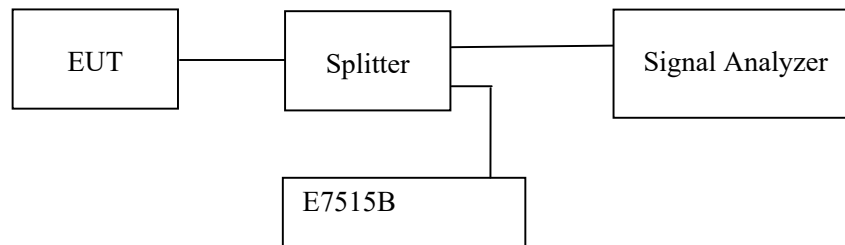
Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

- (e) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} P$  (watts).
- (f) (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} P$  (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

### Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency



**Test Data**

**Environmental Conditions**

<b>Temperature:</b>	24°C
<b>Relative Humidity:</b>	55 %
<b>ATM Pressure:</b>	101.3kPa

*The testing was performed by Key Pei on 2022-05-10.*

*EUT operation mode: Transmitting(Worst case record in the reports)*

**Test Result: Pass**

*Test plots refer to the Appendix H*

## **FCC § 2.1055&FCC §22.355&RSS-132 §5.3&RSS-GEN §6.11 - FREQUENCY STABILITY**

### **Applicable Standard**

According to FCC §2.1055, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile > 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

According to RSS-132 §5.3

The carrier frequency shall not depart from the reference frequency in excess of  $\pm 2.5$  ppm for mobile stations and  $\pm 1.5$  ppm for base stations.

In lieu of meeting the above stability values, the test report may show that the frequency stability is sufficient to ensure that the occupied bandwidth stays within each of the sub-bands (see Section 5.1) when tested to the temperature and supply voltage variations specified in RSS-Gen.

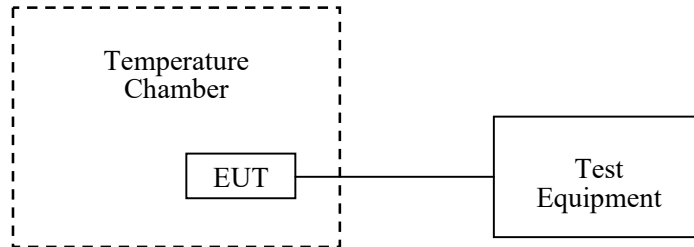
### **Test Procedure**

Frequency Stability vs. Temperature: The equipment under test was connected to an external AC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The AC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.



Frequency Stability vs. Voltage: For hand carried, battery powered equipment; reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.



## Test Data

### Environmental Conditions

<b>Temperature:</b>	25°C
<b>Relative Humidity:</b>	53 %
<b>ATM Pressure:</b>	101.0 kPa

*The testing was performed by Key Pei on 2022-05-13.*

*EUT operation mode: Transmitting(Worst case record in the reports)*

**Test Result: Pass**

*Test plots refer to the Appendix I.*

Note:  $\pm 2.5$  ppm for 836.5MHz is -2091.25Hz ~ 2091.25Hz.

**\*\*\*\*\* END OF REPORT \*\*\*\*\***