

Address:

HAC Receive Volume Control Test Report

For

Applicant Name: Sun Cupid Technology (HK) Ltd.

Address: 16/F, CEO Tower, 77 Wing Hong St, Cheung Sha Wan, Kowloon,

Hong Kong.

EUT Name: LTE Smart Phone

Brand Name: NUU
Model Number: S6603L

Serial Model Number NUU N10, N10

Issued By

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park,

Tantou Community, Songgang Street, Bao'an District, Shenzhen,

China

Report Number: BTF240906R00303

Test Standards: ANSI C63.19:2019 FCC 47 CFR §20.19 TIA-5050:2018

FCC ID: 2ADINS6603L

Test Conclusion: Pass

Test Date: 2025-04-27 to 2025-04-29

Date of Issue: 2025-04-30

Tested By: Jim. Yin

Jim Yin / Tester

Date: 2025-04-30

Prepared By: Zoey Zhang

Zoey Zhang / Project Engineer

Date: 2025-04-30

Approved By: Stic Hury

Olic Huang / EMC Manager

Date: 2025-04-30

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.



Revision History			
Version	Issue Date	Revisions Content	
Rev_V0	2025-04-03	Original	
Note:	Once the revision har	as been made, then previous versions reports are st version.	



Table of Contents

1. Introduction	4
1.1 Identification of Testing Laboratory	4
1.2 Identification of the Responsible Testing Location	
1.3 Laboratory Condition	4
1.4 Announcement	4
2. Product Information	5
2.1 Application Information	5
2.2 Manufacturer Information	
2.3 General Description of Equipment under Test (EUT)	5
2.4 Equipment under Test Ancillary Equipment	5
2.5 Technical Information	5
3. Summary of Test Results	6
3.1 Test Standards	
3.2 Air Interfaces / Bands Indicating Operating Modes	6
4. Test Uncertainty	7
5. Measurement System	
5.1 MEASURÉMENT SET-UP	8
6. Evaluation of Test	9
6.1 RECEIVE VOLUME CONTROL PERFORMANCE	
6.2 RECEIVE DISTORTION AND NOISE PERFORMANCE	
6.3 RECEIVE ACOUSTIC FREQUENCY RESPONSE PERFORMANCE	
7. Test Equipment List	
8. Air Interfaces / Bands used for testing	
9. Test Result	
9.1 Receive volume control, distortion and noise performance	
9.2 Receive acoustic frequency response performance	
10. EUT photograph	
ANNEX A Test Data	
1.1 Receive Distortion and Noise 8N NB	
1.2 Receive Distortion and Noise 2N NB	
1.3 Receive Frequency Response	
2.1 Receive Distortion and Noise 8N WB	
2.2 Receive Distortion and Noise 2N WB	
2.3 Receive Frequency Response	
3.1 Receive Distortion and Noise 8N WB	
3.2 Receive Distortion and Noise 2N WB	
3.3 Receive Frequency Response	
ANNEX B Test Setup Photo	
ANNEX C.CALIBRATION REPORT	41



1. Introduction

1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.		
Address: F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China			
Phone Number:	+86-0755-23146130		
Fax Number:	+86-0755-23146130		

1.2 Identification of the Responsible Testing Location

Test Location:	BTF Testing Lab (Shenzhen) Co., Ltd.		
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China		
Description:	All measurement facilities used to collect the measurement data are located at F101,201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China		
FCC Registration Number	518915		
Designation Number	CN1409		

1.3 Laboratory Condition

Ambient Temperature:	18℃ to 25℃
Ambient Relative Humidity:	32% to 49%
Ambient Pressure:	100 kPa to 102 kPa

1.4 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.



2. Product Information

2.1 Application Information

Company Name:	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong St, Cheung Sha Wan, Kowloon, Hong Kong.

2.2 Manufacturer Information

Company Name:	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong St, Cheung Sha Wan, Kowloon, Hong Kong.

2.3 General Description of Equipment under Test (EUT)

EUT Name	LTE Smart Phone
Under Test Model Name	S6603L
Series Model Name	NUU N10, N10
Description of Model name differentiation	NUU N10, N10 have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction with S6603L. The difference lies only the model number. all these changes do not degrade the unwanted emissions of the certified product.
Hardware Version	N/A
Software and Firmware Version	N/A
Dimensions (Approx.)	164*74*8mm
Weight (Approx.)	213g

2.4 Equipment under Test Ancillary Equipment

	Battery	
	Brand Name	NUU
	Model No.	S6603L
Ancillary Equipment 1	Serial No.	NUU N10, N10
	Capacity	Typical capacity: 5000mAh
	Rated Voltage	3.87V

2.5 Technical Information

	2G Network GSM/GPRS/EGPRS 850/1900
	3G Network WCDMA/HSDPA/HSUPA Band 2/4/5
Network and Wireless	4G Network FDD LTE Band 2/4/5/12/25/26/66/71
connectivity	2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/HT40)
	5G WIFI 802.11a, 802.11n(HT20/HT40), 802.11ac(VHT80)
	BT (EDR+BLE)



3. Summary of Test Results

3.1 Test Standards

No.	Identity	Document Title			
1	ANSI C63.19-2019	American National Standard for Methods of Measurement of Compatibility between Wireless Communication Devices and Hearing Aids			
2	FCC 47 CFR §20.19	Hearing Aid Compatible Mobile Headsets			
3	TIA-5050:2018	Telecommunications Communications Products Receive Volume Control Requirements for Wireless (Mobile) Devices			
4	KDB285076 D05v01	HACWaiverDA23-914			
5	KDB285076 D04v02	Volume Control			
6	KDB285076 D01v06r04	HAC Guidance			

3.2 Air Interfaces / Bands Indicating Operating Modes

Air Interface	Band	Туре	Simultaneous Transmitter	Name of Service
	850	VO	WLAN & BT	CMRS Voice
GSM	1900	VO	WLAN & BT	CMRS Voice
	GPRS/EGPRS	DT	N/A	N/A
	Band II	VO	WLAN & BT	CMRS Voice
WODMA	Band IV	VO	WLAN & BT	CMRS Voice
WCDMA	Band V	VO	WLAN & BT	CMRS Voice
	HSPA	DT	N/A	N/A
	Band 2	VD	WLAN & BT	VoLTE
	Band 4	VD	WLAN & BT	VoLTE
	Band 5	VD	WLAN & BT	VoLTE
	Band 12	VD	WLAN & BT	VoLTE
LTE	Band 25	VD	WLAN & BT	VoLTE
	Band 26	VD	WLAN & BT	VoLTE
	Band 66	VD	WLAN & BT	VoLTE
	Band 71	VD	WLAN & BT	VoLTE
WLAN	2.4g&5g	DT	WWAN	N/A
ВТ	2450	DT	WWAN	N/A

VO: Voice Only VD: CMRS and IP Voice Service over Digital Transport DT: Digital Transport Only

Note:The hearing aid compatibility mode of the prototype was turned on during testing, and all tests were performed in HAC mode



4. Test Uncertainty

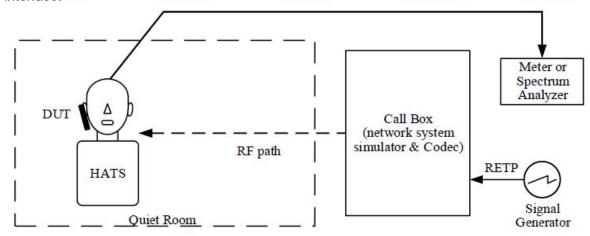
UNCERTAINTY EVA	LUATION FOR AU	DIO HAC I	MEASURE	MENT	
Uncertainty Component	Tol (+- %)	Prob. Dist.	Div.	Uncertainty (dB)	Uncertainty (%)
	Measurement Sy	stem			
RF reflections	0.1	R	√3	0.06	
Acoustic noise	0.1	R	√3	0.06	
Probe coil sensitivity	0.49	R	√3	0.28	
Reference signal level	0.25	R	√3	0.14	
Positioning accuracy	0.4	R	√3	0.23	
Cable loss	0.1	N	2	0.05	
Frequency analyzer	0.15	R	√3	0.09	
System repeatability	0.2	N	1	0.20	
Repeatability of the WD	0.4	N	1	0.40	
Combined Standard Uncertainty		N	1	0.61	
Expanded uncertainty (confidence level of 95%,k = 2)		N	K=2	1.22	15.05
REPORTED Expanded uncertainty (confidence level of 95%, k = 2)		N	K=2	1.20	15.00



5. Measurement System

5.1 MEASUREMENT SET-UP

The general test arrangement is shown in Figure 1. The Call Box passes the voice channel stream to the DUT without modification. There is no gain or loss in the voice channel stream due to the Call Box interface.



NOTES:

- 1. Additional information related to the air interface for the various RF technologies is specified in several 3GPP documents. A list of these can be found in 3GPP TS 26.132 V14.0.0 clause 4
- 2. Additional information related to the test setup can be found in 3GPP TS 26.132, V14.0.0 clause 5.1
- 3. The RETP (receive electrical test point) is the point in the device test arrangement where signals are applied to the DUT in the receive direction.



6. Evaluation of Test

6.1 RECEIVE VOLUME CONTROL PERFORMANCE

6.1.1 Requirement

- 1. With a mounting force of 8N, the DUT shall have at least one volume control setting that will produce a conversational gain of ≥ 18 dB with the output distortion and the frequency response meeting the requirements in clause 5.2.1 & 5.3.1 respectively.
- 2. With a mounting force of 2N, the DUT shall have at least one volume control setting that will produce a conversational gain of ≥ 6 dB with the output distortion and the frequency response meeting the requirements in clause 5.2.1 & 5.3.1 respectively.

NOTE: Other acoustic receive features may be available such as additional amplification, tone control, automatic gain control, etc. ANSI/TIA-4953-B contains performance requirements for output levels and tone control operation for amplified devices.

6.1.2 Method of Measurement

- 1. Configure the DUT with a mounting force of 8N and test equipment as shown in Figure 1 in an active call state with the applicable codec for the transmission mode under test.
- 2. Set the DUT volume control to the maximum setting.
- 3. If the DUT has an adjustable tone control feature, a tone control setting that meets the frequency response requirements in section 5.3.1 shall be used.
- 4. Apply the real speech test signal at a level of -20 dBm0 at the RETP and measure the acoustic output at the Drum Reference Point (DRP) over one complete sequence of the test signal.
- 5. Translate the measurement made at the DRP to the Free Field (FF) using the translation data in Annex B.
- 6. Over the applicable frequency band, determine the ASL in dBSPL for the resulting sound pressure level in accordance with Method B of ITU-T Recommendation P.56:
 - a. Narrowband 100 Hz through 4000 Hz.
 - b. Wideband 100 Hz through 7720 Hz.
- 7. Calculate the Conversational Gain by subtracting 70 dB from the measured dBSPL. [Conversational Gain = (Measured dBSPL Level 70 dBSPL) dB]
- 8. Measure the output distortion per clause 5.2. If a distortion failure occurs at the maximum volume control setting, reduce the volume control setting and repeat the measurement to determine if a setting can be found for which the conversational gain requirement is met without a distortion failure.
- 9. Repeat steps 2-8 with a mounting force of 2N.

6.1.3 Test Result

Refer to Part Nine test result.

Remark: The report only reflects the test data plots of worst mode (for GSM 850, WCDMA Band 2, LTE Band 2)

6.1.4 Test Conclusion

PASS.



6.2 RECEIVE DISTORTION AND NOISE PERFORMANCE

6.2.1 Requirement

With a mounting force of 8N and 2N, the ratio of the stimulus signal power to the 100 Hz to 8000 Hz total A-weighted distortion and noise power shall be \geq 20 dB when tested over the range of 1/3 octave band center frequencies:

- 1. Narrowband transmission mode: Each 1/3 octave band center frequency from 400 Hz to 3150 Hz.
- 2. Wideband transmission mode: Each 1/3 octave band center frequency from 250 Hz to 5000 Hz.

6.2.2 Method of Measurement

- 1. Configure the DUT with a mounting force of 8N and test equipment as shown in Figure 1 in an active call state with the applicable codec for the transmission mode under test with the volume control at the setting determined in 5.1.1.
- 2. Receive distortion and noise is measured using the PN-SDNR procedure as described in Annex A.
- 3. To ensure DUT activation, apply the real speech test signal at a level of -20 dBm0 followed immediately by the initial 1/3 octave center frequency PN test signal in Table A.1 based on the narrowband or wideband operating mode. Measure the acoustic output at the DRP over the complete sequence of the PN test signal.
- 4. Translate the measurement made at the DRP to the FF using the translation data in Annex B.
- 5. Calculate the acoustic output unweighted total signal power of the stimulus measurement band as described in A.2.
- 6. Calculate the notched A-weighting distortion and noise components as described in A.3.
- 7. Calculate the ratio of the signal power to the total A-weighted distortion and noise power using Eq A-1.
- 8. Repeat for each of the remaining 1/3 octave center frequencies in Table A.1 based on the narrowband or wideband operating mode.
- 9. Repeat steps 2-8 with a mounting force of 2N.

6.2.3 Test Result

Refer to test Annex A.

Remark: The report only reflects the test data plots of worst mode (for GSM 850, WCDMA Band 2, LTE Band 2)

6.2.4 Test Conclusion

PASS



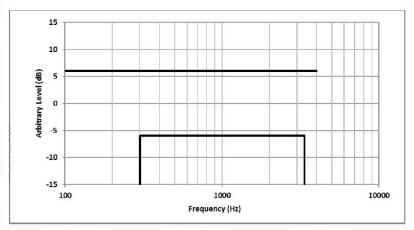
6.3 RECEIVE ACOUSTIC FREQUENCY RESPONSE PERFORMANCE

6.3.1 Requirement

1. Narrowband: The 1/12 octave band frequency response after translation to the FF or DF shall fall between the upper and lower limits given in Table 1 and shown in Figure below.

Table 1 - Narrowband Receive Frequency Response Limits

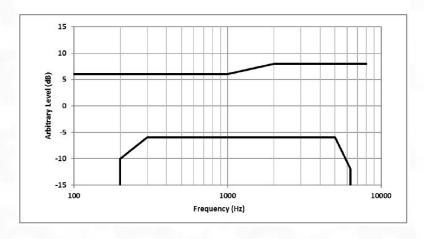
Lower Limit Frequency (Hz)	Lower Limit (dB)	Upper Limit Frequency (Hz)	Upper Limit (dB)		
300	-6	100	+6		
3400	-6	4000	+6		



2. Wideband: The 1/12 octave band frequency response after translation to the FF or DF shall fall between the upper and lower limits given in Table 2 and shown in Figure below.

Table 2 – Wideband Receive Frequency Response Limits

Lower Limit Frequency (Hz)	Lower Limit (dB)	Upper Limit Frequency (Hz)	Upper Limit (dB)		
200	-10	100	+6		
300	-6	1000	+6		
5000	-6	2000	+8		
6300	-12	8000	+8		





6.3.2 Method of Measurement

- 1. Configure the DUT with a mounting force of 8N and test equipment as shown in Figure 1 in an active call state with the applicable codec for the transmission mode under test with the volume control at the setting determined in 5.1.1.
- 2. If the DUT has an adjustable tone control feature the initial measurement is to be performed with the default tone control setting.
- 3. Apply the real speech test signal with a level of -20 dBm0 at the RETP.
- 4. Capture the frequency spectrum at the DRP of the HATS using real-time analysis with 1/12 octave bands over the frequency range from 100 Hz to 4000 Hz for narrowband measurements, or over the frequency range from 100 Hz to 8000 Hz for wideband measurements, averaged over the entire duration of the test signal.
- 5. Transform the DRP frequency spectrum measurement to the FF or DF (see Annex B).
- 6. Divide the 1/12 octave measurement data by the 1/12 octave frequency spectrum of the test signal at the RETP and present the measurement in terms of dB(Pa/V).
- 7. Apply the applicable frequency response limits to determine compliance.
- 8. If the default tone control setting does not meet the requirement, repeat the above steps for other tone control settings to determine a tone control setting that meets the requirements.
- 9. Repeat with a mounting force of 2N.

6.3.3 Test Result

Refer to test Annex A.

Remark: The report only reflects the test data plots of worst mode (for GSM 850, WCDMA Band 2, LTE Band 2)

6.3.4 Test Conclusion

PASS.



7. Test Equipment List

Description	Manufacturer	Model	Internal number	Cal. Date	Cal. Due
WIDEBAND RADIO COMMU NICATION TESTER	ROHDE&SCHWARZ	CMW500	BTF-EM-023	2024/10/25	2025/10/24
Conditioning Amplifier	Brule&Kjaer	Type -2690030	BTF-EM-146	2025/2/11	2026/2/10
Head and Torso Simulator	Brule&Kjaer	Type 4128C	BTF-EM- 148	2025/2/11	2026/2/10
Sound Calibration	Brule&Kjaer	Type 4231	BTF-EM-149	2025/2/08	2026/2/07
Anechoic Test Chamber	MEC	Type 115	BTF-EM- 150	N/A	N/A

8. Air Interfaces / Bands used for testing

Air-interface	Band	Tested Codec	Tested Rate(kbps)
GSM	850/1900	EFR	1
		AMR-NB	4.75/12.2
WCDMA(UMTS)	Band 2/4/5	AMR-WB	6.6/14.25
VoLTE	Band 2/4/5/12/25/26/66/71	AMR-NB	4.75/12.2
VOLTE	Band 2/4/3/12/23/20/00/71	AMR-WB	6.6/14.25



9. Test Result

9.1 Receive volume control, distortion and noise performance

Plot No.	Mode	Channel/Freq.	BW	Codec B itrate	Volume Level	Codec T ype	Codec B andwidt h	Mountin g Force (N)	Freque ncy(H Z)	Min PN- SDNR(d B)	PN-SDN R Limb (dB)	Signal Q uality (d B)	Convers ational Gain	FCC CG Limit (d B)	CG Mar gin (dB)	Verdi ct				
			1	1	Max	EFR	NB	8N	800	20.54	20.00	91.41	21.41	6.00	15.41	_				
1	GSM850	128/824.2MHz	1	1	Max	EFR	NB	2N	3150	20.31	20.00	84.24	14.24	6.00	8.24	Pass				
_	D004000	040/4000 00411-	1	1	Max	EFR	NB	8N	3150	20.65	20.00	91.63	21.63	6.00	15.63	D				
2	PCS1900	810/1909.8MHz	1	1	Max	EFR	NB	2N	3150	20.51	20.00	85.08	15.08	6.00	9.08	Pass				
			1	12.20	Max	AMR	NB	8N	500	23.56	20.00	88.69	18.69	6.00	12.69					
3	WCDMA Band II	9538/1907.6MHz	1	12.20	Max	AMR	NB	2N	3150	21.69	20.00	91.57	21.57	6.00	15.57	Pass				
5	WODINA Band II	3330/1307.0WHZ	1	14.25	Max	AMR	WB	8N	2000	22.15	20.00	88.20	18.20	6.00	12.20	1 033				
			1	14.25	Max	AMR	WB	2N	5000	20.87	20.00	79.81	9.81	6.00	3.81					
			1	12.20	Max	AMR	NB	8N	500	23.29	20.00	88.82	18.82	6.00	12.82					
4	WCDMA Band IV	1312/1712.4MHz	1	12.20	Max	AMR	NB	2N	3150	21.75	20.00	91.66	21.66	6.00	15.66	Pass				
•	WODING Country	1012/1712.410112	1	14.25	Max	AMR	WB	8N	2000	22.30	20.00	88.41	18.41	6.00	12.41	1 433				
			1	14.25	Max	AMR	WB	2N	5000	21.05	20.00	80.56	10.56	6.00	4.56					
			1	12.20	Max	AMR	NB	8N	500	23.52	20.00	88.74	18.74	6.00	12.74					
5	WCDMA Band V	4183/836.4MHz	1	12.20	Max	AMR	NB	2N	3150	21.86	20.00	91.78	21.78	6.00	15.78	Pass				
Ü	WODWN Band V	4 100/000.4111112	1	14.25	Max	AMR	WB	8N	2000	22.37	20.00	88.58	18.58	6.00	12.58					
			1	14.25	Max	AMR	WB	2N	5000	21.14	20.00	80.74	10.74	6.00	4.74					
				12.20	Max	AMR	NB	8N	500	20.83	20.00	89.15	19.15	6.00	13.15	- Pass				
6	LTE FDD Band 2	19100/1900.0MHz	20MHz QPSK 1 99	12.20	Max	AMR	NB	2N	630	21.35	20.00	85.53	15.53	6.00	9.53					
Ü	ETET DD Dania E	19100/1900.0Wi12	10100/1000.0WH2	2011112_q; 01(_1_00	14.25	Max	AMR	WB	8N	2000	20.82	20.00	88.18	18.18	6.00	12.18	1 433			
				14.25	Max	AMR	WB	2N	5000	22.29	20.00	85.17	15.17	6.00	9.17	<u>'</u>				
		FDD Band 4 20050/1720.0MHz						12.20	Max	AMR	NB	8N	500	20.98	20.00	89.25	19.25	6.00	13.25	
7	LTE FDD Band 4		050/1720.0MHz 20MHz_QPSK_1_0	12.20	Max	AMR	NB	2N	3150	21.50	20.00	85.78	15.78	6.00	9.78	Pass 32				
•	ETET DD Dama T			14.25	Max	AMR	WB	8N	2000	21.08	20.00	88.32	18.32	6.00	12.32					
				14.25	Max	AMR	WB	2N	5000	22.41	20.00	85.63	15.63	6.00	9.63					
				12.20	Max	AMR	NB	8N	500	21.02	20.00	89.28	19.28	6.00	13.28	13.28				
8	LTE FDD Band 5	20525/836.5MHz	10MHz_QPSK_1_0	12.20	Max	AMR	NB	2N	630	21.44	20.00	86.65	16.65	6.00	10.65	Pass				
Ü	212122224140	20020,000.0	10111112_q1 011_1_0	14.25	Max	AMR	WB	8N	2000	21.15	20.00	88.41	18.41	6.00	12.41					
				14.25	Max	AMR	WB	2N	2000	22.45	20.00	85.33	15.33	6.00	9.33					
				12.20	Max	AMR	NB	8N	500	20.89	20.00	89.40	19.40	6.00	13.40					
9	LTE FDD Band 12	23095/707.5MHz	10MHz QPSK 1 49	12.20	Max	AMR	NB	2N	3150	21.48	20.00	85.88	15.88	6.00	9.88	Pass				
-				14.25	Max	AMR	WB	8N	5000	20.91	20.00	89.02	19.02	6.00	13.02					
				14.25	Max	AMR	WB	2N	5000	22.40	20.00	86.16	16.16	6.00	10.16					
				12.20	Max	AMR	NB	8N	3150	21.04	20.00	89.85	19.85	6.00	13.85					
10	LTE FDD Band 25	26590/1905.0MHz	20MHz_QPSK_1_99	12.20	Max	AMR	NB	2N	3150	21.53	20.00	86.25	16.25	6.00	10.25	Pass				
				14.25	Max	AMR	WB	8N	2000	20.95	20.00	89.74	19.74	6.00	13.74					
				14.25	Max	AMR	WB	2N	5000	22.36	20.00	85.98	15.98	6.00	9.98					
				12.20	Max	AMR	NB	8N	500	21.26	20.00	90.05	20.05	6.00	14.05					
11	LTE FDD Band 26	d 26 26865/831.5MHz	10MHz_QPSK_1_0	12.20	Max	AMR	NB	2N	630	21.59	20.00	86.11	16.11	6.00	10.11	Pass				
				14.25	Max	AMR	WB	8N	5000	21.09	20.00	88.95	18.95	6.00	12.95	Fass				
				14.25	Max	AMR	WB	2N	5000	22.57	20.00	85.86	15.86	6.00	9.86					
				12.20	Max	AMR	NB	8N	500	21.51	20.00	89.57	19.57	6.00	13.57	Pass				
12	LTE FDD Band 66	132072/1720.0MH	20MHz_QPSK_1_0	12.20	Max	AMR	NB	2N	3150	21.69	20.00	85.78	15.78	6.00	9.78					
٠	1 2 2 2 2 2 2	Z		14.25	Max	AMR	WB	8N	2000	21.77	20.00	88.36	18.36	6.00	12.36					
				14.25	Max	AMR	WB	2N	5000	21.85	20.00	85.42	15.42	6.00	9.42					
				12.20	Max	AMR	NB	8N	630	21.43	20.00	90.00	20.00	6.00	14.00					
13	LTE FDD Band 71	133222/673.0MHz	20MHz_QPSK_1_49	12.20	Max	AMR	NB	2N	630	21.58	20.00	85.89	15.89	6.00	9.89	Pass				
				14.25	Max	AMR	WB	8N	5000	21.62	20.00	89.03	19.03	6.00	13.03	03				
				14.25	Max	AMR	WB	2N	5000	21.80	20.00	86.12	16.12	6.00	10.12					

Note: 1. This device does not support VoWIFI, so VoWIFI is not tested and evaluated.

^{2.}With a mounting force of 8N, the DUT shall have at least one volume control setting that will produce a conversational gain of ≥ 18 dB with the output distortion and the frequency response.

3.With a mounting force of 2N, the DUT shall have at least one volume control setting that will produce a conversational gain of ≥ 6 dB with the output distortion and the frequency response.

4.With a mounting force of 8N and 2N, the ratio of the stimulus signal power to the 100 Hz to 8000 Hz total A-weighted distortion and noise power shall be ≥ 20 dB.

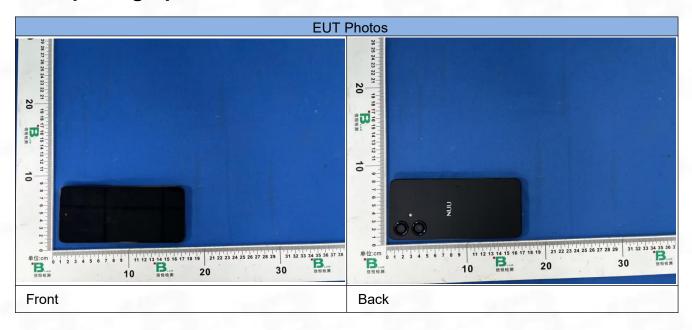


9.2 Receive acoustic frequency response performance

Plot No.	Mode	Channel/Freq.	BW	Volume Level	Codec Type	Codec Bandwidth	Mounting Force (N)	RFR Test Possili
				Max	EFR	NB	2N	Test Result
1	GSM850	128/824.2MHz	/	Max	EFR	NB	8N	Pass
				Max	EFR	NB	2N	Pass
2	PCS1900	810/1909.8MHz	/	Max	EFR	NB	8N	
				Max	AMR	NB	2N	
			,	Max	AMR	NB	8N	
3	WCDMA Band II	9538/1907.6MHz	,	Max	AMR	WB	2N	Pass
				Max	AMR	WB	8N	
				Max	AMR	NB	2N	
				Max	AMR	NB	8N	
4	WCDMA Band IV	1312/1712.4MHz	/	Max	AMR	WB	2N	Pass
				Max	AMR	WB	8N	
				Max	AMR	NB	2N	
				Max	AMR	NB	8N	
5	WCDMA Band V	4183/836.4MHz	/	Max	AMR	WB	2N	Pass
				Max	AMR	WB	8N	
				Max	AMR	NB	2N	
				Max	AMR	NB	8N	Pass
6	LTE FDD Band 2	19100/1900.0MHz	20MHz_QPSK_1_99	Max	AMR	WB	2N	
				Max	AMR	WB	8N	
		nd 4 20050/1720.0MHz	20MHz_QPSK_1_0	Max	AMR	NB	2N	Pass
7	LTE FDD Band 4			Max	AMR	NB	8N	
				Max	AMR	WB	2N	
				Max	AMR	WB	8N	
	LTE FDD Band 5	d 5 20525/836.5MHz	10MHz_QPSK_1_0	Max	AMR	NB	2N	Done
				Max	AMR	NB	8N	
8				Max	AMR	WB	2N	Pass
				Max	AMR	WB	8N	
				Max	AMR	NB	2N	
	LTE EDD D 140	00005/707 5141	40MH- 000K 4 40	Max	AMR	NB	8N	D
9	LTE FDD Band 12	23095/707.5MHz	10MHz_QPSK_1_49	Max	AMR	WB	2N	Pass
				Max	AMR	WB	8N	
				Max	AMR	NB	2N	
				Max	AMR	NB	8N	Pass
10	LTE FDD Band 25	26590/1905.0MHz	20MHz_QPSK_1_99	Max	AMR	WB	2N	
				Max	AMR	WB	8N	
				Max	AMR	NB	2N	
				Max	AMR	NB	8N	
11	LTE FDD Band 26	26865/831.5MHz	10MHz_QPSK_1_0	Max	AMR	WB	2N	Pass
				Max	AMR	WB	8N	
				Max	AMR	NB	2N	
				Max	AMR	NB	8N	
12	LTE FDD Band 66	132072/1720.0MHz	20MHz_QPSK_1_0	Max	AMR	WB	2N	Pass
				Max	AMR	WB	8N	
				Max	AMR	NB	2N	
				Max	AMR	NB	8N	
13	LTE FDD Band 71	133222/673.0MHz	20MHz_QPSK_1_49	Max	AMR	WB	2N	Pass
				Max	AMR	WB	8N	



10. EUT photograph



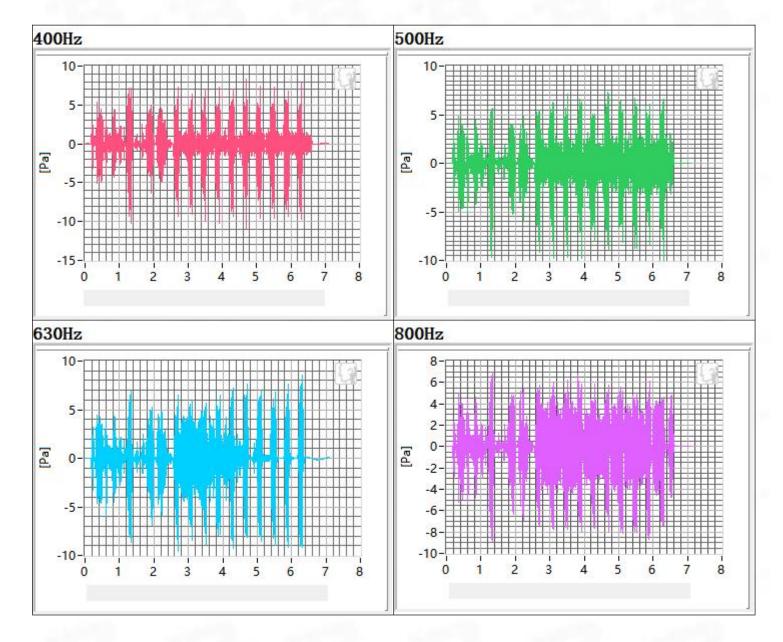
Volume Control Verification Test Results

Date of Testing	Test Location	Air Interface Equipment	Acoustical Calibrator	HATS Sens.(dB)	Ambient Noise(dBA)
27/4/2025	JB HATS R	CMW 500	B&K 4231 & UA1546	97.06	32.63
28/4/2025	JB HATS R	CMW 500	B&K 4231 & UA1546	97.16	32.41
29/4/2025	JB HATS R	CMW 500	B&K 4231 & UA1546	97.25	32.55

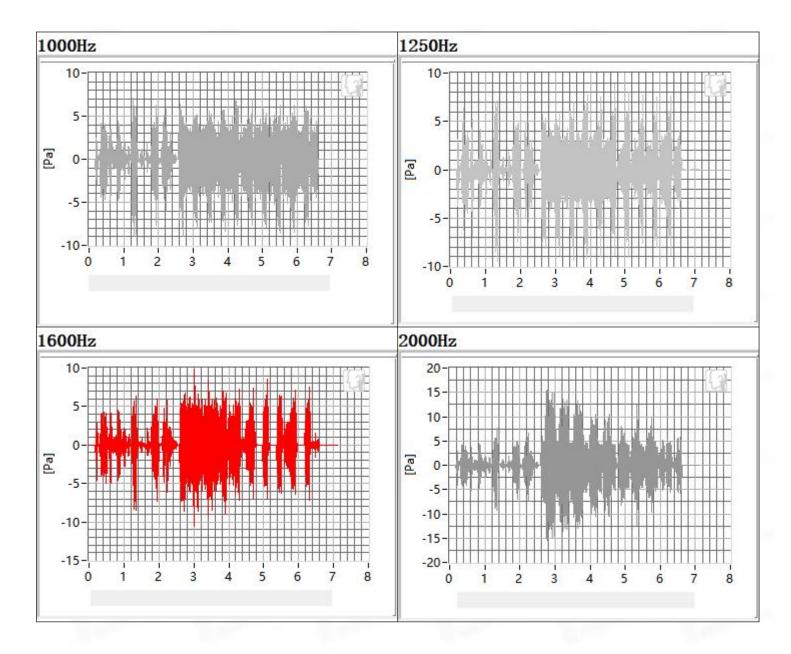


ANNEX A Test Data 1. GSM 850 in channel 128

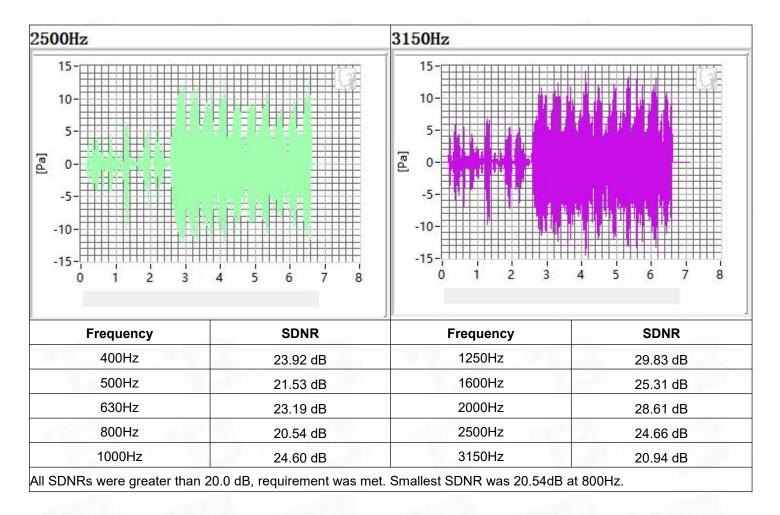
1.1 Receive Distortion and Noise 8N NB



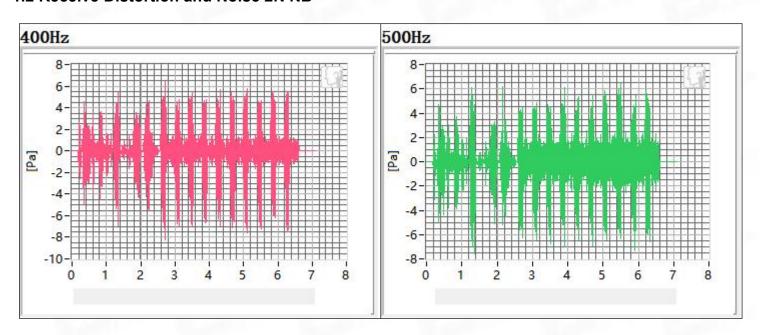




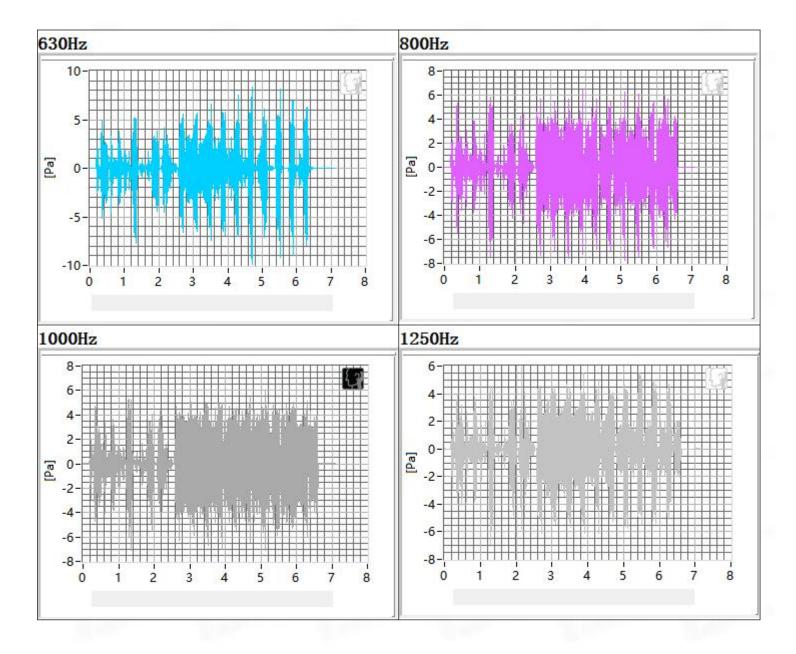




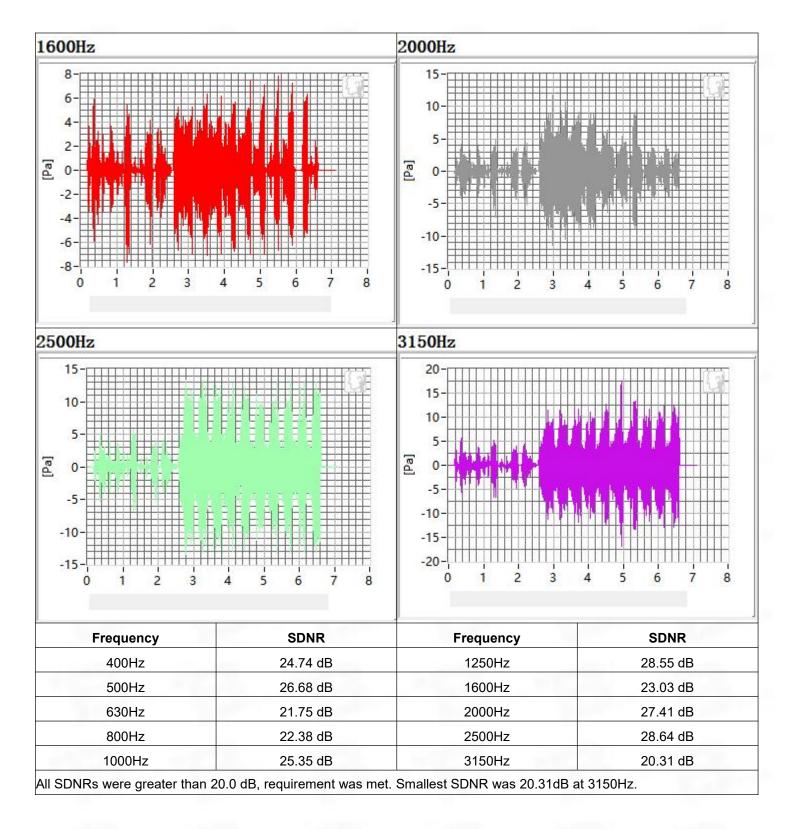
1.2 Receive Distortion and Noise 2N NB





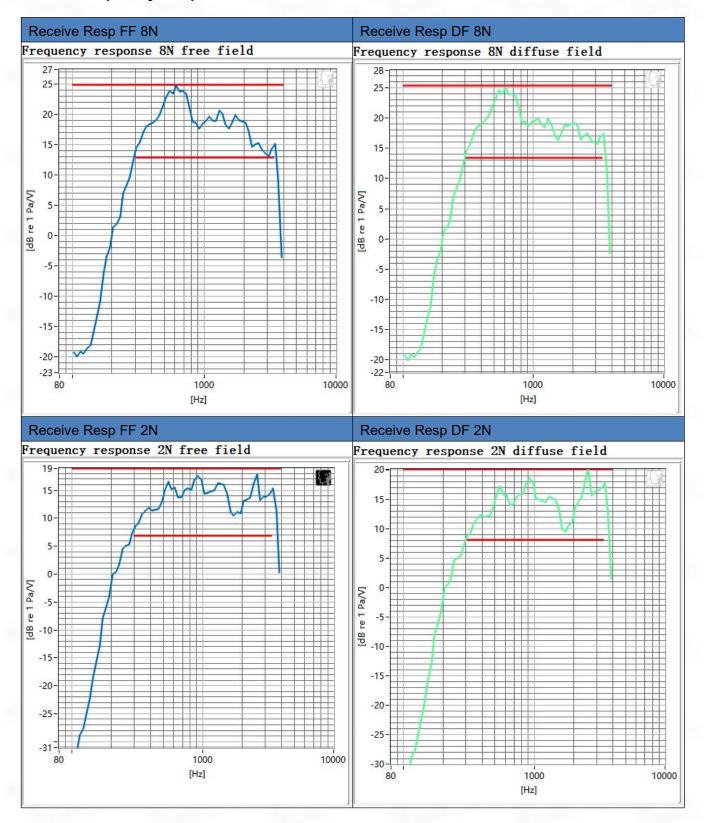








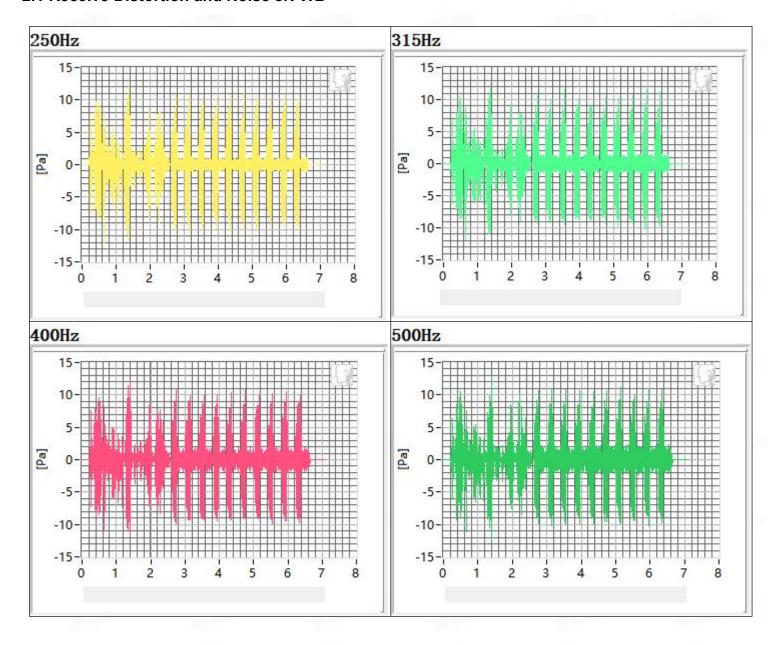
1.3 Receive Frequency Response



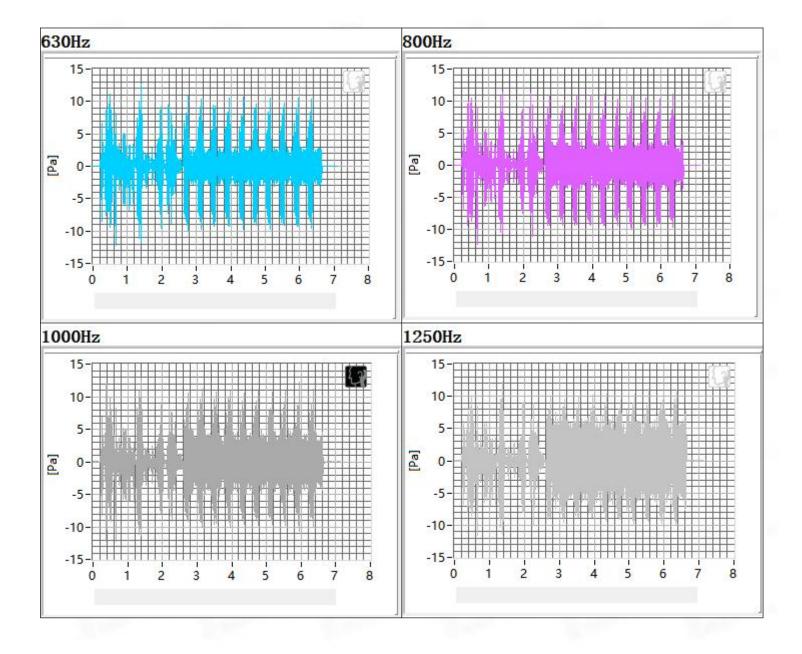


2. WCDMA band 2 in channel 9538

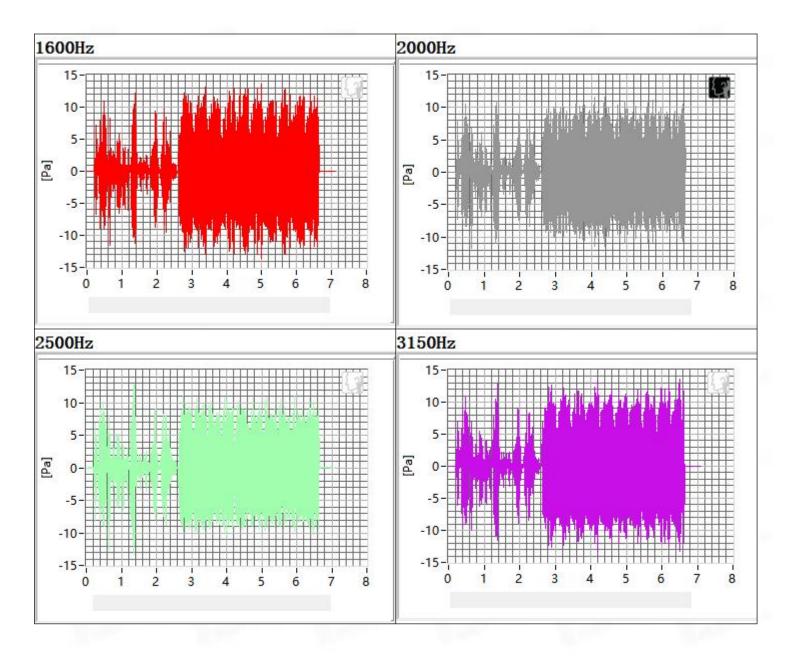
2.1 Receive Distortion and Noise 8N WB



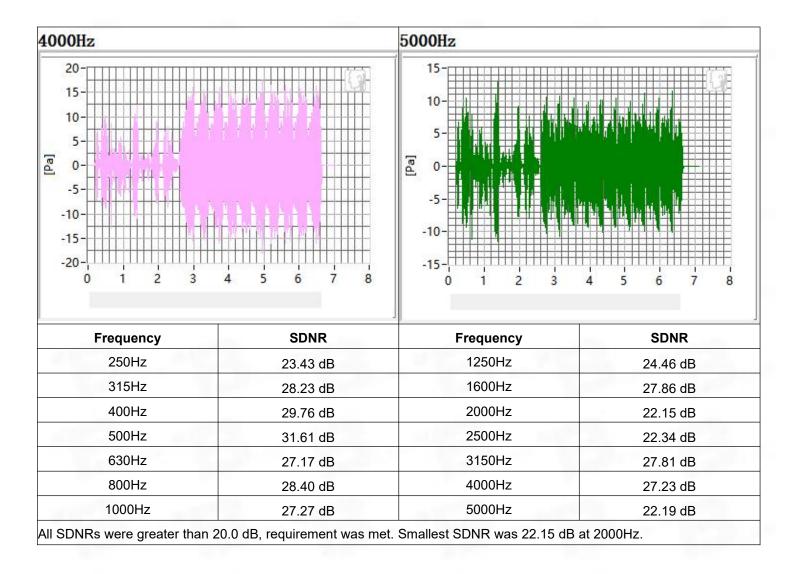






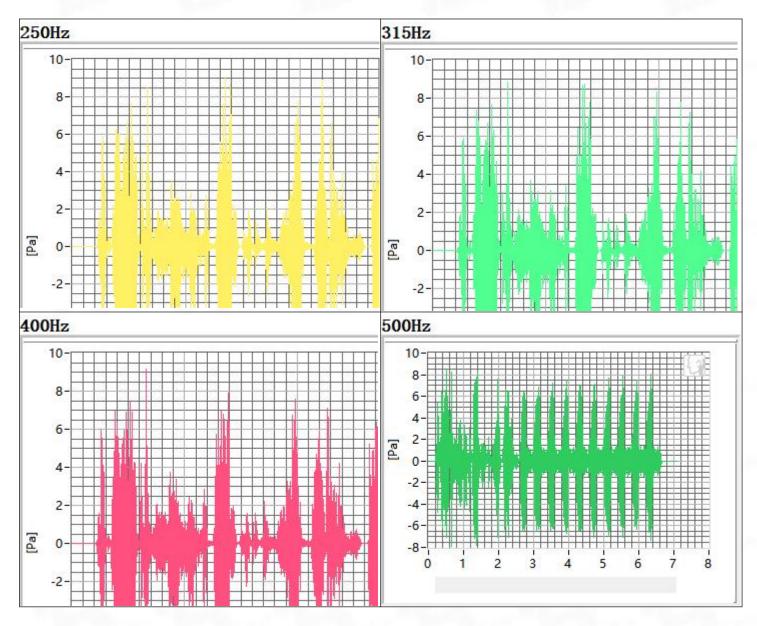




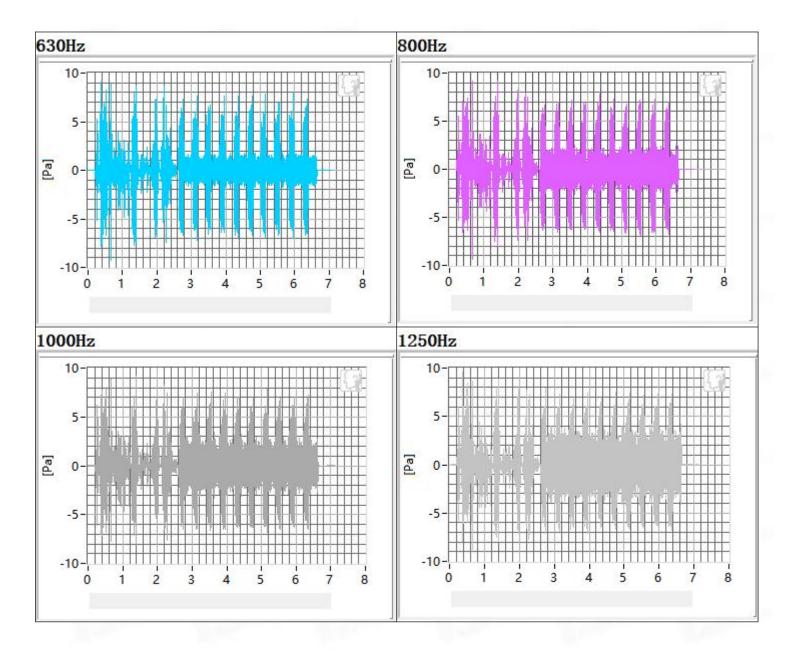




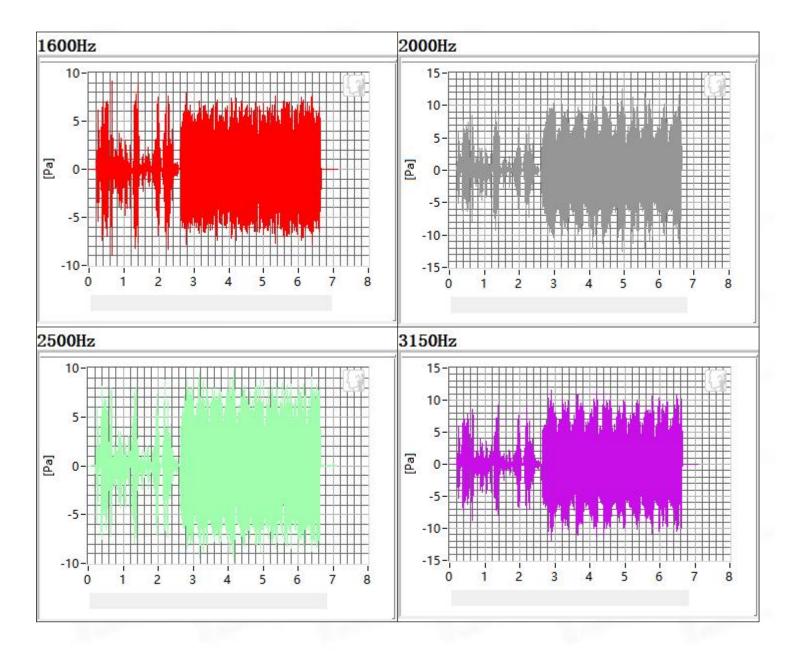
2.2 Receive Distortion and Noise 2N WB



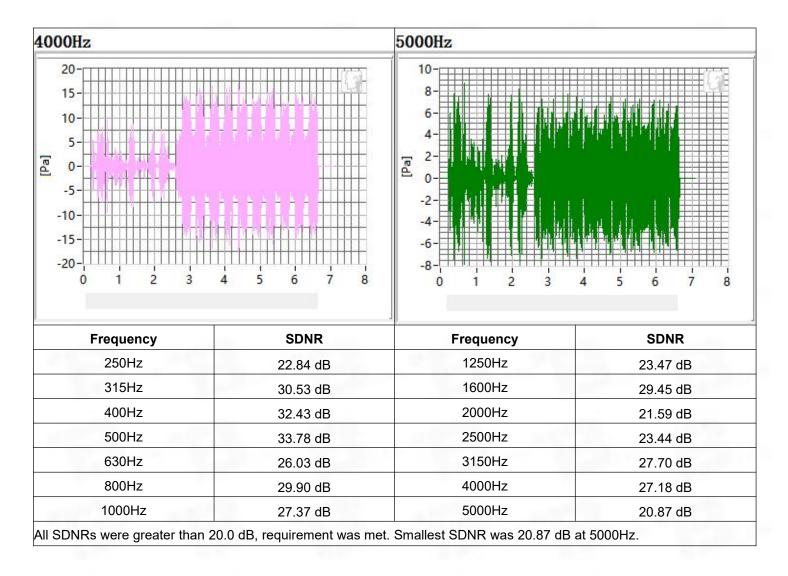






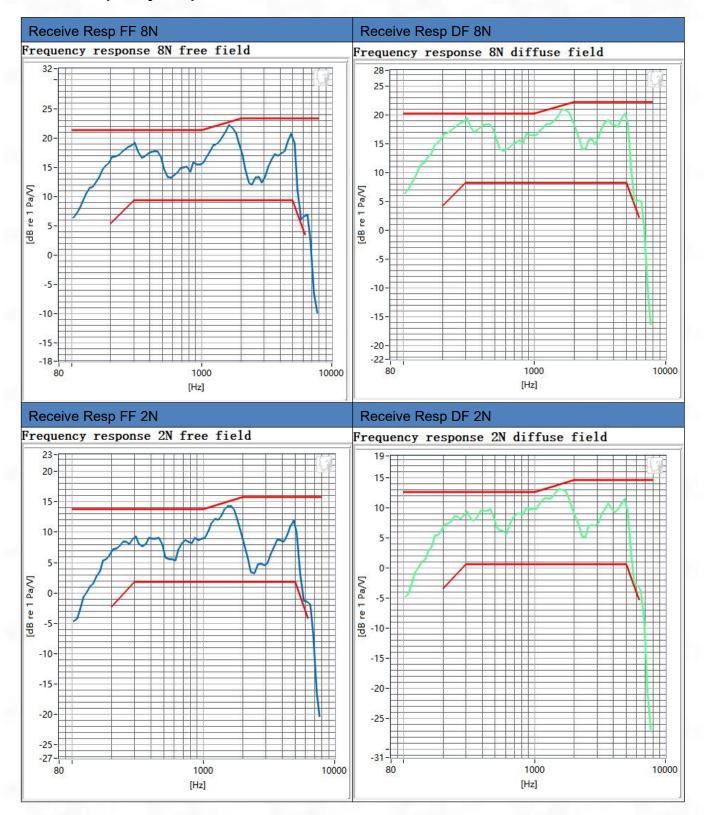








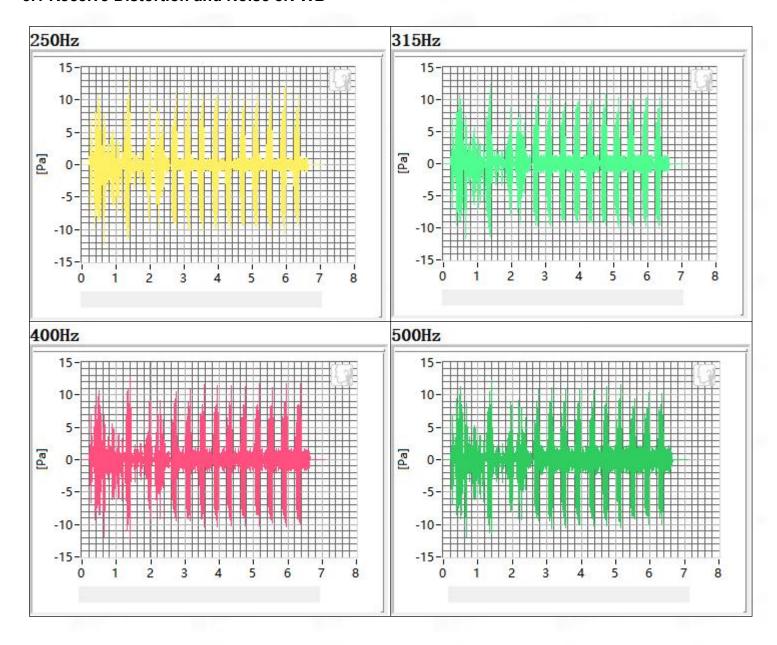
2.3 Receive Frequency Response



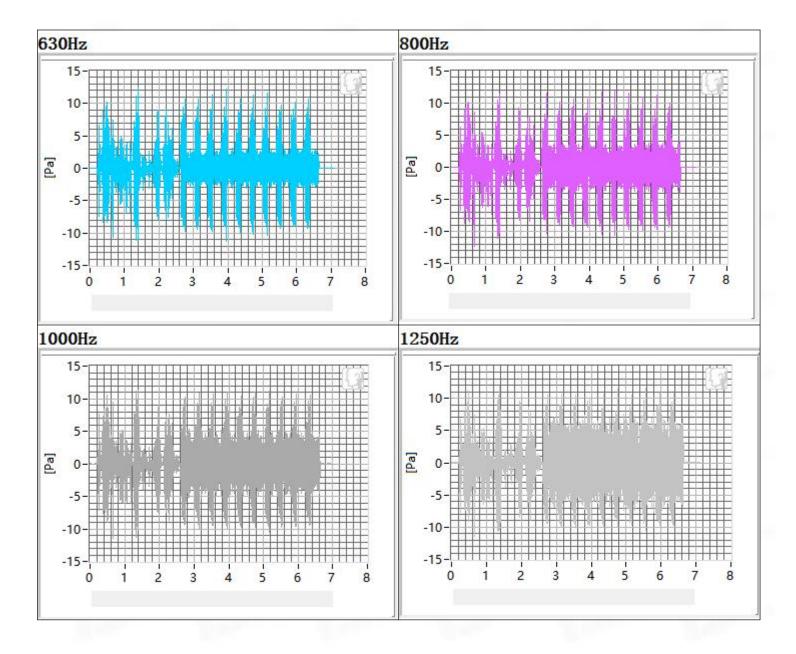


3. LTE band 2 in channel 19100

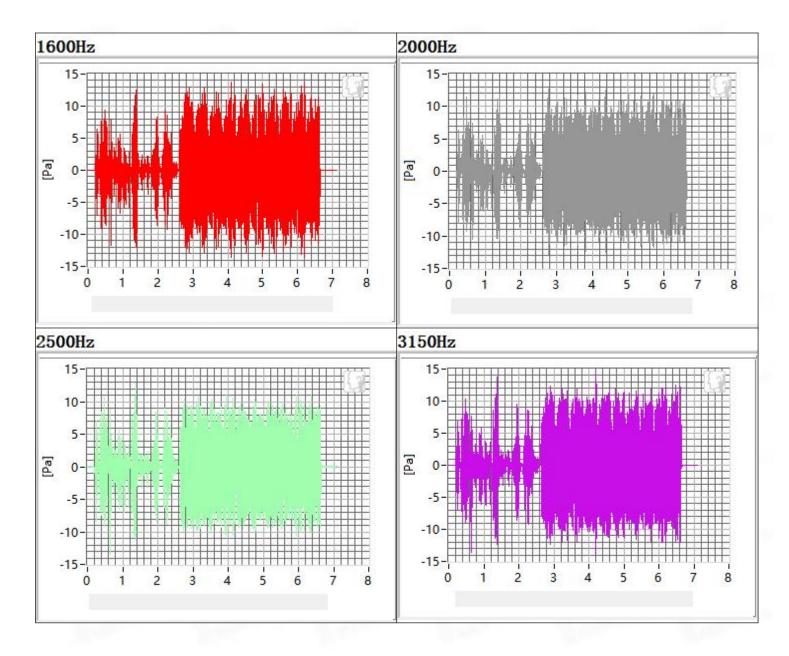
3.1 Receive Distortion and Noise 8N WB



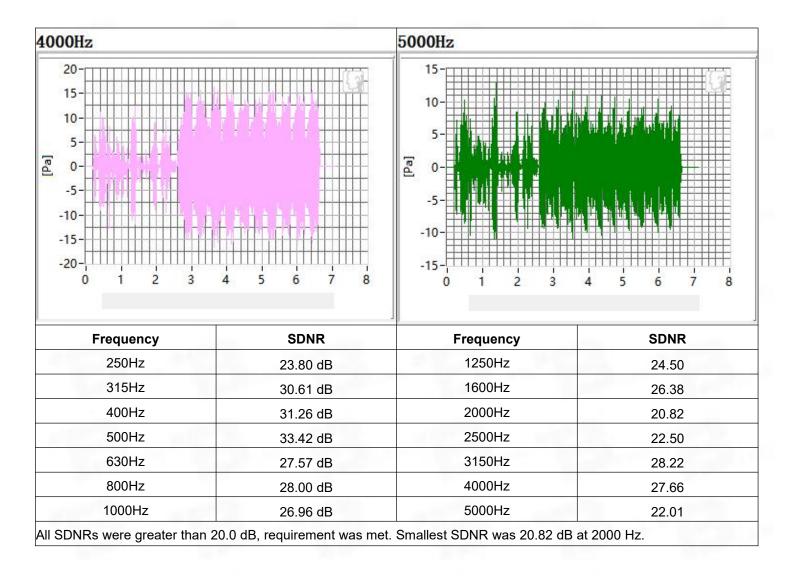






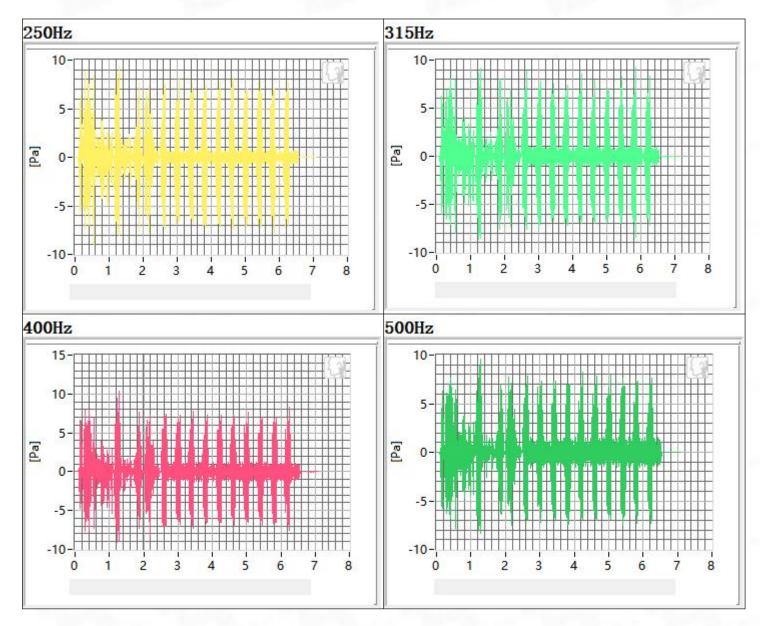




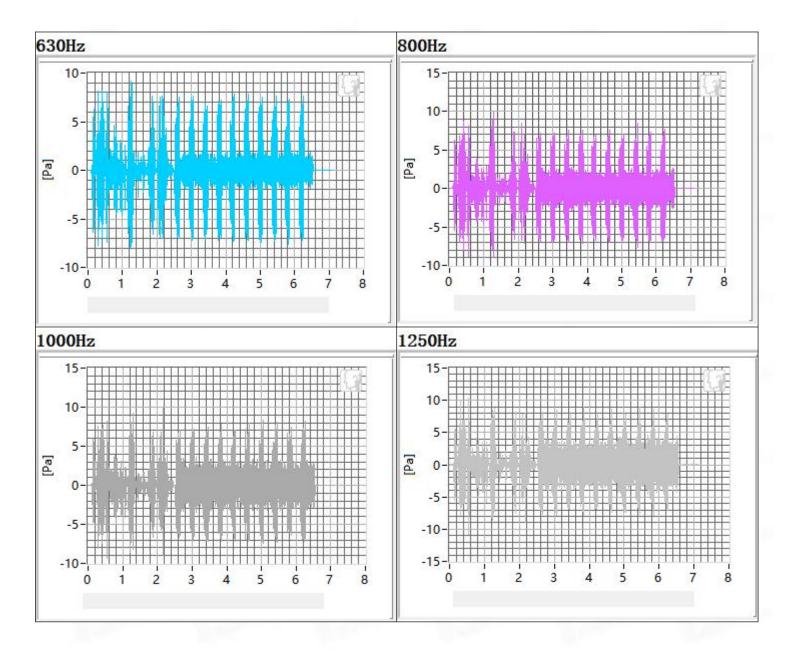




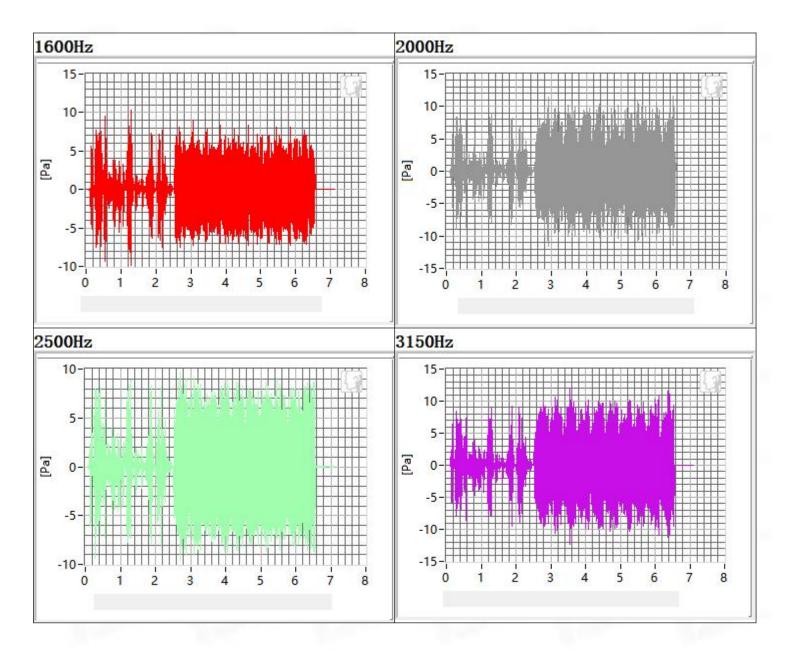
3.2 Receive Distortion and Noise 2N WB



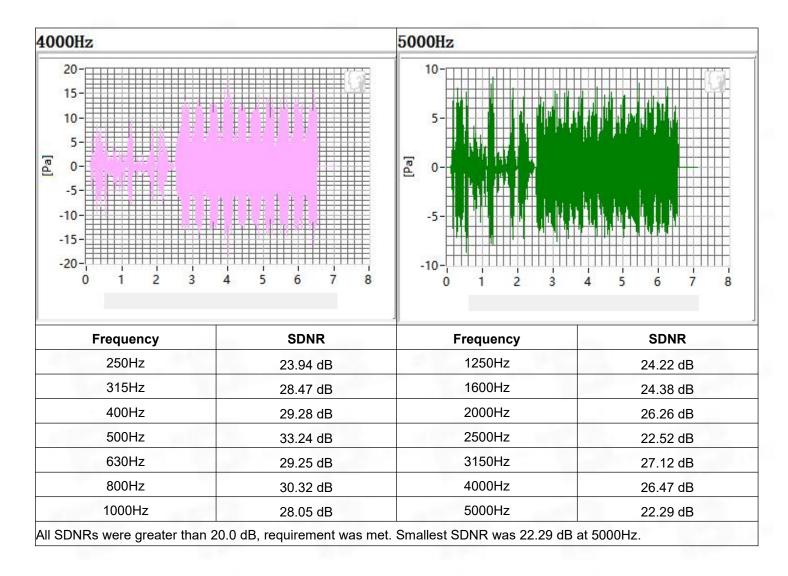






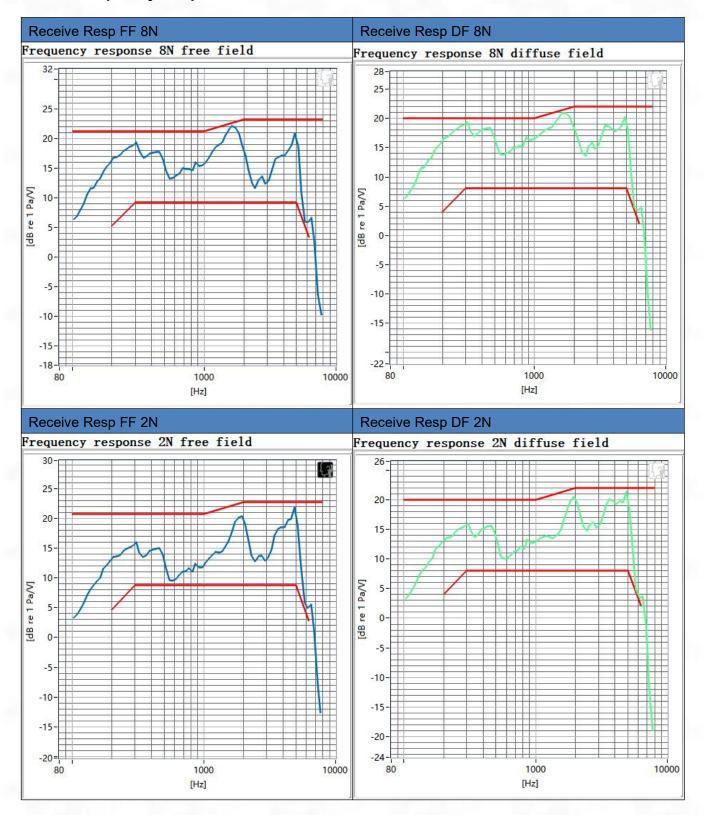






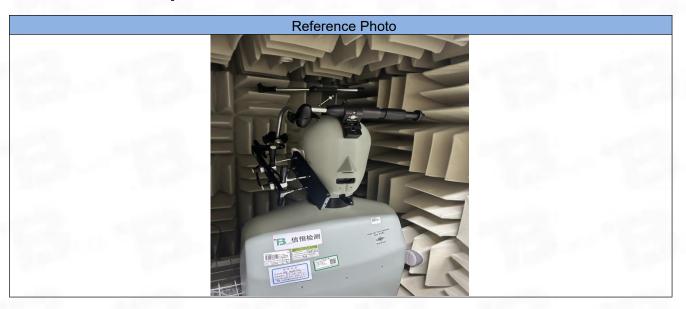


3.3 Receive Frequency Response





ANNEX B Test Setup Photo



ANNEX C CALIBRATION REPORT

Please refer the document "CALIBRATION REPORT.pdf".



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-- END OF REPORT--