



FCC RADIO TEST REPORT FCC ID: 2ANMU-RT3PLUS

Product: Rugged Smart Tablet

Trade Mark: OUKITEL

Model No.: RT3 Plus

Family Model: RT3, RT3 GT, RT3 TITAN

Report No.: S25040807006005

Issue Date: Jun. 09, 2025

Prepared for

SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD

A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL
ZONE, GUANLAN,LONGHUA SHENZHEN, 518XXX China

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.
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TEST RESULT CERTIFICATION

Applicant's name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN,LONGHUA SHENZHEN, 518XXX China
Manufacturer's Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN,LONGHUA SHENZHEN, 518XXX China
Product description	
Product name:	Rugged Smart Tablet
Trade Mark:	OUKITEL
Model and/or type reference:	RT3 Plus
Family Model:	RT3, RT3 GT, RT3 TITAN
Test Sample number:	S250408070007
Date of Test	Apr. 08, 2025 ~ Jun. 09, 2025

Measurement Procedure Used:

APPLICABLE STANDARDS		
APPLICABLE STANDARD/ TEST PROCEDURE	TEST RESULT	
47 CFR Part 2, Part 22H, Part 24E, Part 27		
ANSI/TIA-603-E-2016	Complied	
FCC KDB 971168 D01 Power Meas License Digital Systems v03	Complied	
ANSI C63.26:2015		

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of Shenzhen NTEK Testing Technology Co., Ltd., this document may be altered or revised by Shenzhen NTEK Testing Technology Co., Ltd., personnel only, and shall be noted in the revision of the document.

The test results of this report relate only to the tested sample identified in this report.

Prepared By: Allen Liu Reviewed By: Aaron Cheng (Supervisor)

Approved By: Alex Li (Manager)

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2 SUMMARY OF TEST RESULTS

FCC Part22H / FCC Part24E / FCC Part 27 & ANSI C63.26-2015					
FCC Rule Test Item Verdict Remark					
2.1046	Conducted Output Power	PASS			
Sub clause 5.2.3.4 of ANSI C63.26-2015	Peak-to-Average Ratio	PASS			
2.1049 22.917	Occupied Bandwidth	PASS			
2.1051 22.917 24.238 27.53	Band Edge	PASS			
22.913	22.913 Effective Radiated Power				
2.1053 22.917 24.238 27.53	Field Strength of Spurious Radiation	PASS			
2.1055 22.355 24.235 27.54	Frequency Stability for Temperature & Voltage	PASS			
2.1051 22.917 24.238 27.53	Conducted Emission	PASS			

Remark:

- 1. "N/A" denotes test is not applicable in this Test Report.
- 2. All test items were verified and recorded according to the standards and without any deviation during the test.
- 3. No modifications are made to the EUT during all test items.

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3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

CNAS-Lab. : The Certificate Registration Number is L5516. IC-Registration The Certificate Registration Number is 9270A. FCC- Accredited Test Firm Registration Number: 463705.

Designation Number: CN1184

A2LA-Lab. The Certificate Registration Number is 4298.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for

the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Name of Firm : Shenzhen NTEK Testing Technology Co., Ltd.

Site Location : No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan

District, Shenzhen, Guangdong, People's Republic of China.

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.5dB

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4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment	Rugged Smart Tablet			
Trade Mark	OUKITEL			
FCC ID	2ANMU-RT3PLUS			
Model No.	RT3 Plus			
Family Model	RT3, RT3 GT, RT3 TITAN			
Model Difference	All models are the same circuit and RF module, except for the color.			
Operating Frequency	☐ GSM850: TX824.2MHz~848.8MHz /RX869.2MHz~893.8MHz; ☐ UMTS FDD Band V: TX826.4MHz~846.6MHz /RX871.4MHz~891.6MHz; ☐ PCS1900: TX1850.2MHz~1909.8MHz /RX1930.2MHz~1989.8MHz; ☐ UMTS FDD Band II: TX1852.4MHz~1907.6MHz /RX1932.4MHz~1987.6MHz; ☐ UMTS-FDD Band IV:TX1710MHz~1755MHz /RX2110MHz~2155MHz			
Modulation				
Power Class	4, tested with power level 5(GSM 850) 1, tested with power level 0(GSM 1900) 3, tested with power control "all 1"(WCDMA Band II/IV/V)			
GPRS Class ⊠Multi-Class12 ⊠Only 4 timeslots are used for GPRS				
Antenna Type PIFA Antenna				
Antenna Gain	GSM 850: 0.42dBi; PCS 1900:-0.11dBi; Band II:-0.2dBi; Band IV:1.59dBi ; Band V: 0.48dBi			
Adapter	Model: HJ-PD18W-US Input: 100-240V~50/60Hz 0.6A Output: 5.0V3.0A 15.0W OR 9.0V2.0A 18.0W OR 12.0V1.5A 18.0W Max			
Battery	DC 3.85V, 11000mAh, 42.35Wh			
Power supply	DC 3.85V from battery or DC 5V/9V/12V from adapter			
HW Version	P593_MAIN_PCB			
SW Version	V04			
Note: Decide the surface of the surf				

Note: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual. The High Voltage 4.43V and Low Voltage 3.27V was declared by manufacturer, The EUT couldn't be operate normally with higher or lower voltage.

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Revision History

Report No.	Version	Description	Issued Date
S25040807006005	Rev.01	Initial issue of report	Jun. 09, 2025

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5 DESCRIPTION OF TEST MODES

During the testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication Tester(CMU 200) to ensure max power transmission and proper modulation. Three channels (The low channel, the middle channel and the high channel) were chosen for testing on, GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, HSDPA band II, HSUPA band II, HSDPA band V, HSUPA band V, HSDPA band V, HS

IV, HSUPA band IV frequency band.

Note: GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, HSDPA band II, HSDPA band II, HSDPA band V, HSDPA band IV, HSDPA band IV modes have been tested during the test. the worst condition (GSM850, RMC 12.2k,) be recorded in the test report if no other modes test data.

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

- 1. 30 MHz to 10th harmonic for GSM850/UMTS FDD Band $\,\mathrm{IV}$
- 2. 30 MHz to 10th harmonic for GSM1900/UMTS FDD Band II

All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

	Test Modes				
Band For Conducted Test Cases For Radiated Test Case					
GSM 850/1900	GSM Link	GSM Link			
UMTS Band II	RMC 12.2Kbps Link	RMC 12.2Kbps Link			
UMTS Band V	RMC 12.2Kbps Link	RMC 12.2Kbps Link			
UMTS Band IV	RMC 12.2Kbps Link	RMC 12.2Kbps Link			

Test Frequency and Channels:

Frequen	⊠ G	SM 850	⊠gs	M 1900	⊠ UM	TS Band II	⊠umī	S Band V
cy Band	Channel	Frequenc y (MHz)	Channel	Frequenc y (MHz)	Chann el	Frequency (MHz)	Chann el	Frequency (MHz)
CH_H	251	848.8	810	1909.8	9538	1907.6	4233	846.6
CH_M	189	836.4	661	1880.0	9400	1880.0	4182	836.4
CH_L	128	824.2	512	1850.2	9262	1852.4	4132	826.4

Frequenc y Band	Channel	Frequenc y (MHz)	
CH_H	1513	1752.6	
CH_M	1413	1732.6	
CH_L	1312	1712.4	

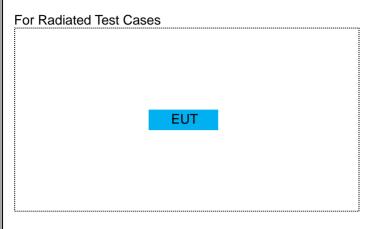
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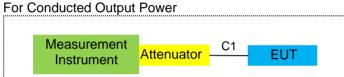




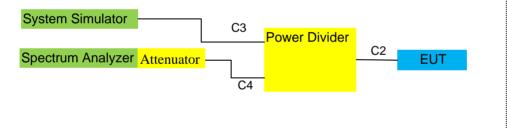
6 SETUP OF EQUIPMENT UNDER TEST

6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM

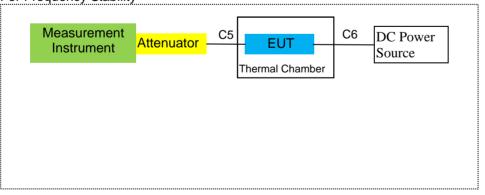




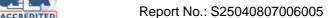




For Frequency Stability



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6.2 SUPPORT EQUIPMENT

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Model/Type No.	Series No.	Note
EUT	Rugged Smart Tablet	RT3 Plus	N/A	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	RF Cable	YES	NO	0.1m
C-2	RF Cable	YES	NO	0.1m
C-3	RF Cable	YES	NO	0.1m
C-4	RF Cable	YES	NO	0.2m
C-5	RF Cable	YES	NO	0.2m
C-6	DC Cable	NO	NO	1.0m

Notes:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>[Length]</code> column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".

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6.3	EQUIPMENTS LIST FOR ALL TEST ITEMS
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0.3	Wind of	OTT ON ALL T	LOTTILINO		Loot	Calibrated	Calibration
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	until	period
1	MXA Signal Analyzer	Agilent	N9020A	MY49100060	2024.04.25 2025.04.17	2025.04.24 2026.04.16	1 year
2	Test Receiver	R&S	ESPI	101318	2024.04.26 2025.04.17	2025.04.25 2026.04.16	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2024.05.12 2025.05.11	2025.05.11 2026.05.10	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
5	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9120 D	2816	2024.5.18	2027.5.17	3 year
6	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9120 D	2817	2024.5.18	2027.5.17	3 year
7	Amplifier	EM	EM-30180	060538	2024.04.26 2025.04.17	2025.04.25 2026.04.16	1 year
8	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2024.05.17	2027.05.16	3 year
9	Power Meter	R&S	NRVS	100696	2024.04.26 2025.04.17	2025.04.25 2026.04.16	1 year
10	Power Sensor	R&S	URV5-Z4	0395.1619.0 5	2024.04.26 2025.04.17	2025.04.25 2026.04.16	1 year
11	Test Cable	N/A	R-01	N/A	2022.06.17	2025.06.16	3 year
12	Test Cable	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
13	Test Cable	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
14	Test Receiver	R&S	ESCI	101160	2024.04.26 2025.04.17	2025.04.25 2026.04.16	1 year
15	LISN	R&S	ENV216	101313	2024.04.25 2025.04.17	2025.04.24 2026.04.16	1 year
16	LISN	EMCO	3816/2	00042990	2024.04.25 2025.04.17	2025.04.24 2026.04.16	1 year
17	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
18	Field strength probe	narda	EP601	711WX81278	2024.04.25 2025.04.17	2025.04.24 2026.04.16	1 year
19	Test Cable	N/A	C01	N/A	2023.05.06	2026.05.05	3 year
20	Test Cable	N/A	C02	N/A	2023.05.06	2026.05.05	3 year
21	Test Cable	N/A	C03	N/A	2023.05.06	2026.05.05	3 year
22	Spectrum Analyzer	Agilent	E4440A	MY41000130	2024.04.26 2025.04.17	2025.04.25 2026.04.16	1 year
23	EMI Test Receiver	R&S	ESCI	101160	2024.04.26 2025.04.17	2025.04.25 2026.04.16	1 year
24	Universal Radio Communication Tester	R&S	CMU200	105747	2024.04.26 2025.04.17	2025.04.25 2026.04.16	1 year

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25	High and Low Temperature Box	WEISS	WT 20/40 EMC Simpac	5822611946 0030	2024.05.30	2027.05.29	3 year
26	DC Power Source	N/A	PS-6005D	2017040292	2024.04.25	2027.04.24	3 year
27	MXG Vector Signal Generator	Agilent	N5183B	MY57280984	2024.05.30 2025.04.17	2025.05.29 2026.04.16	1 year
28	Log-Periodic Antenna	SCHWARZBE CK	VULB 9162	584	2024.05.25 2025.04.17	2025.05.24 2026.04.16	1 year
29	Log-Periodic Antenna	SCHWARZBE CK	VULB 9162	586	2024.05.25 2025.04.17	2025.05.24 2026.04.16	1 year

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable& DC Power Source which is scheduled for calibration every 3 years

Measurement Software

Item	Manufacturer	Software Name	Software Version	Description
1	MWRFtest	MTS 8200	2.0	RF Conducted Test
2	Farad	EZ-EMC_RE	AIT-03A	RadiatedTest
3	Farad	EZ-EMC_CE	AIT-03A	AC Conducted Test

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7 TEST REQUIREMENTS

7.1 FIELD STRENGTH OF SPURIOUS RADIATION

7.1.1 Applicable Standard

According to FCC KDB 971168 D01 v03 Section 5.8 and ANSI/TIA-603-E-2016 Section 2.2.12

7.1.2 Conformance Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

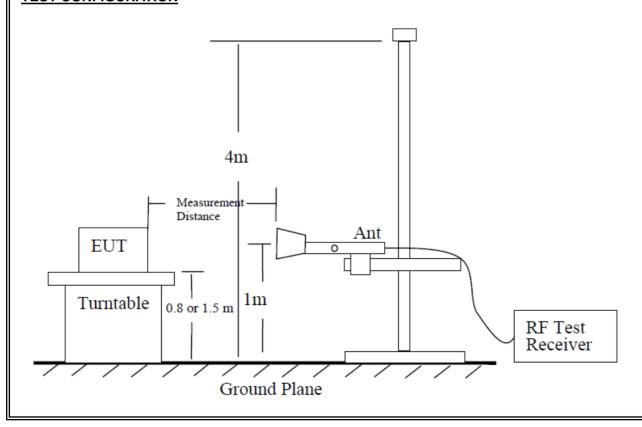
7.1.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.1.4 Test Configuration

According to the ANSI/TIA-603-E-2016 test method, The Receiver or Spectrum was scanned from 9 KHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier that can be as high as 1910 MHz The resolution bandwidth is set as outlined in Part 24.238, Part 22.917. The spectrum is scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of WCDMA Band II/IV/V, GSM 850/1900, CDMA BC0/1.

TEST CONFIGURATION

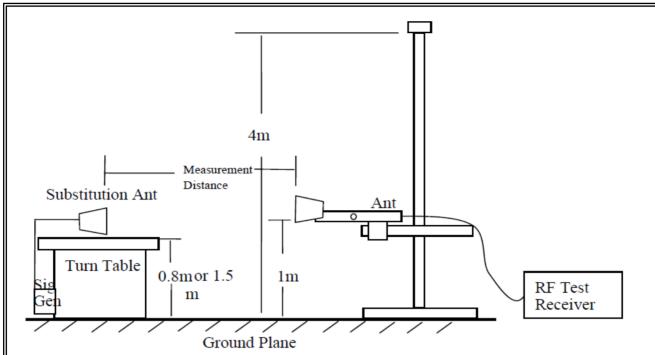


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7.1.5 **Test Procedure**

- EUT was placed on a 0.8 meter(For frequency above 1G, EUT should be placed on 1.5m) high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50 meter. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
- 2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- 3. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
- 4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (SG Level) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (SG Level) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
- 5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Cable Loss) ,the Substitution Antenna Gain should be recorded after test.
 - The measurement results are obtained as described below:
 - Power(EIRP)= SG Level- Cable Loss+ Antenna Gain
- 6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
- 7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.

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7.1.6 Test Results

EUT:	Rugged Smart Tablet	Model No.:	RT3 Plus
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, UMTS band II/ UMTS band V/ UMTS band IV	Test By:	Allen Liu

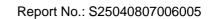
Radiated Spurious Emission

			GSM	<i>1</i> 850						
Frequency	SG Level	Cable Loss	Antenna Factor	Absolute Level	Limit	Over Limit	Polarity			
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dBm)				
Test Results for Channel 128/824.2 MHz										
1648.4	-49.86	2.80	27.50	-25.16	-13	-12.16	Vertical			
1648.4	-51.88	2.80	27.50	-27.18	-13	-14.18	Horizontal			
2472.6	-48.24	2.91	27.80	-23.35	-13	-10.35	Vertical			
2472.6	-47.55	2.91	27.80	-22.66	-13	-9.66	Horizontal			
3296.8	-49.27	4.02	29.87	-23.42	-13	-10.42	Vertical			
3296.8	-45.71	4.02	29.87	-19.86	-13	-6.86	Horizontal			
131.2	-52.42	1.35	17.77	-36.00	-13	-23.00	Vertical			
116.8	-54	1.77	17.83	-37.94	-13	-24.94	Horizontal			
		Test Res	sults for Cha	nnel 190/83	6.6 MHz					
1673.2	-44.1	2.80	27.48	-19.42	-13	-6.42	Vertical			
1673.2	-47.88	2.80	27.48	-23.20	-13	-10.20	Horizontal			
2509.8	-50.72	2.91	27.70	-25.93	-13	-12.93	Vertical			
2509.8	-46.55	2.91	27.70	-21.76	-13	-8.76	Horizontal			
3346.4	-52.3	4.02	29.82	-26.50	-13	-13.50	Vertical			
3346.4	-52.87	4.02	29.82	-27.07	-13	-14.07	Horizontal			
208.8	-53.45	1.44	15.26	-39.64	-13	-26.64	Vertical			
131.6	-53.39	1.51	17.23	-37.67	-13	-24.67	Horizontal			
		Test Res	sults for Cha	nnel 251/84	8.8 MHz					
1697.6	-51	2.80	27.42	-26.38	-13	-13.38	Vertical			
1697.6	-52.99	2.80	27.42	-28.37	-13	-15.37	Horizontal			
2546.4	-50.51	2.91	27.68	-25.74	-13	-12.74	Vertical			
2546.4	-52.66	2.91	27.68	-27.89	-13	-14.89	Horizontal			
3395.2	-52.18	4.02	29.80	-26.40	-13	-13.40	Vertical			
3395.2	-51.84	4.02	29.80	-26.06	-13	-13.06	Horizontal			
95.0	-49.36	1.74	16.46	-34.64	-13	-21.64	Vertical			
208.3	-46.06	1.68	16.21	-31.53	-13	-18.53	Horizontal			

Remark

- 1. We were tested all Configuration refer 3GPP TS134 121.
- 2. Emission Level= SG Level- Cable Loss+ Antenna Factor
- 3. Over Limit= Emission Level(dBm)-Limit(dBm)

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			GPR	S 850					
Frequency	SG Level	Cable Loss	Antenna Factor	Absolute Level	Limit	Over Limit	Polarity		
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dBm)			
Test Results for Channel 128/824.2 MHz									
1648.4	-51.56	2.80	27.50	-26.86	-13	-13.86	Vertical		
1648.4	-49.05	2.80	27.50	-24.35	-13	-11.35	Horizontal		
2472.6	-52.25	2.91	27.80	-27.36	-13	-14.36	Vertical		
2472.6	-50.23	2.91	27.80	-25.34	-13	-12.34	Horizontal		
3296.8	-49.92	4.02	29.87	-24.07	-13	-11.07	Vertical		
3296.8	-53.16	4.02	29.87	-27.31	-13	-14.31	Horizontal		
154.8	-50.42	1.35	16.91	-34.86	-13	-21.86	Vertical		
238.4	-44.13	1.59	17.39	-28.32	-13	-15.32	Horizontal		
	Test Results for Channel 190/836.6 MHz								
1673.2	-49.1	2.80	27.48	-24.42	-13	-11.42	Vertical		
1673.2	-53.85	2.80	27.48	-29.17	-13	-16.17	Horizontal		
2509.8	-50.75	2.91	27.70	-25.96	-13	-12.96	Vertical		
2509.8	-51.48	2.91	27.70	-26.69	-13	-13.69	Horizontal		
3346.4	-52.21	4.02	29.82	-26.41	-13	-13.41	Vertical		
3346.4	-49.88	4.02	29.82	-24.08	-13	-11.08	Horizontal		
110.1	-51.11	1.36	17.36	-35.11	-13	-22.11	Vertical		
148.2	-48.05	1.32	15.19	-34.19	-13	-21.19	Horizontal		
		Test Res	sults for Cha	nnel 251/848	8.8 MHz				
1697.6	-44.24	2.80	27.42	-19.62	-13	-6.62	Vertical		
1697.6	-52.9	2.80	27.42	-28.28	-13	-15.28	Horizontal		
2546.4	-46.2	2.91	27.68	-21.43	-13	-8.43	Vertical		
2546.4	-49.7	2.91	27.68	-24.93	-13	-11.93	Horizontal		
3395.2	-52.89	4.02	29.80	-27.11	-13	-14.11	Vertical		
3395.2	-52.98	4.02	29.80	-27.20	-13	-14.20	Horizontal		
198.1	-48.42	1.46	17.68	-32.20	-13	-19.20	Vertical		
220.2	-47.82	1.31	15.79	-33.34	-13	-20.34	Horizontal		

- We were tested all Configuration refer 3GPP TS134 121.
 Emission Level= SG Level- Cable Loss+ Antenna Factor
- 3. Over Limit= Emission Level(dBm)-Limit(dBm)

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			EGPR	S 850						
Frequency	SG Level	Cable Loss	Antenna Factor	Absolute Level	Limit	Over Limit	Polarity			
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dBm)				
Test Results for Channel 128/824.2 MHz										
1648.4	-46.88	2.80	27.50	-22.18	-13	-9.18	Vertical			
1648.4	-48.99	2.80	27.50	-24.29	-13	-11.29	Horizontal			
2472.6	-45.14	2.91	27.80	-20.25	-13	-7.25	Vertical			
2472.6	-50.85	2.91	27.80	-25.96	-13	-12.96	Horizontal			
3296.8	-44.34	4.02	29.87	-18.49	-13	-5.49	Vertical			
3296.8	-44.06	4.02	29.87	-18.21	-13	-5.21	Horizontal			
116.4	-46.54	1.69	16.60	-31.63	-13	-18.63	Vertical			
166.1	-53.34	1.44	17.78	-36.99	-13	-23.99	Horizontal			
		Test Res	sults for Cha	nnel 190/836	6.6 MHz					
1673.2	-50.42	2.80	27.48	-25.74	-13	-12.74	Vertical			
1673.2	-44.68	2.80	27.48	-20.00	-13	-7.00	Horizontal			
2509.8	-45.31	2.91	27.70	-20.52	-13	-7.52	Vertical			
2509.8	-49.23	2.91	27.70	-24.44	-13	-11.44	Horizontal			
3346.4	-44.23	4.02	29.82	-18.43	-13	-5.43	Vertical			
3346.4	-50.64	4.02	29.82	-24.84	-13	-11.84	Horizontal			
160.1	-48.93	1.54	16.14	-34.34	-13	-21.34	Vertical			
246.5	-44.35	1.31	17.24	-28.42	-13	-15.42	Horizontal			
		Test Res	sults for Cha	nnel 251/848	8.8 MHz					
1697.6	-48.92	2.80	27.42	-24.30	-13	-11.30	Vertical			
1697.6	-48.18	2.80	27.42	-23.56	-13	-10.56	Horizontal			
2546.4	-52.35	2.91	27.68	-27.58	-13	-14.58	Vertical			
2546.4	-44.27	2.91	27.68	-19.50	-13	-6.50	Horizontal			
3395.2	-53.2	4.02	29.80	-27.42	-13	-14.42	Vertical			
3395.2	-49.88	4.02	29.80	-24.10	-13	-11.10	Horizontal			
272.1	-53.65	1.73	15.96	-39.42	-13	-26.42	Vertical			
163.9	-45.65	1.35	17.53	-29.47	-13	-16.47	Horizontal			

- We were tested all Configuration refer 3GPP TS134 121.
 Emission Level= SG Level- Cable Loss+ Antenna Factor
- 3. Over Limit= Emission Level(dBm)-Limit(dBm)

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	GSM 1900									
Frequency	SG Level	Cable Loss	Antenna Factor	Absolute Level	Limit	Over Limit	Polarity			
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dBm)				
	Test Results for Channel 512/1850.2MHz									
3700.4	-56.71	4.04	33.51	-27.24	-13	-14.24	Vertical			
3700.4	-58.41	4.04	33.51	-28.94	-13	-15.94	Horizontal			
5550.6	-57.65	5.24	35.84	-27.05	-13	-14.05	Vertical			
5550.6	-57.45	5.24	35.84	-26.85	-13	-13.85	Horizontal			
105.3	-55.54	1.40	15.14	-41.80	-13	-28.80	Vertical			
247.6	-57.83	1.45	17.54	-41.74	-13	-28.74	Horizontal			
	Test Results for Channel 661/1880.0MHz									
3760	-48.54	4.04	33.56	-19.02	-13	-6.02	Vertical			
3760	-57.98	4.04	33.56	-28.46	-13	-15.46	Horizontal			
5640	-55.48	5.24	35.91	-24.81	-13	-11.81	Vertical			
5640	-57.7	5.24	35.91	-27.03	-13	-14.03	Horizontal			
187.9	-49.85	1.74	16.40	-35.19	-13	-22.19	Vertical			
86.7	-51.85	1.42	15.72	-37.54	-13	-24.54	Horizontal			
		Test Res	ults for Cha	nnel 810/190	9.8MHz		-			
3819.6	-58.16	4.04	34.00	-28.20	-13	-15.20	Vertical			
3819.6	-55.51	4.04	34.00	-25.55	-13	-12.55	Horizontal			
5729.4	-57	5.24	36.04	-26.20	-13	-13.20	Vertical			
5729.4	-56.11	5.24	36.04	-25.31	-13	-12.31	Horizontal			
217.3	-47.03	1.67	17.51	-31.19	-13	-18.19	Vertical			
112.7	-45.18	1.58	17.73	-29.03	-13	-16.03	Horizontal			

- We were tested all Configuration refer 3GPP TS134 121.
 Emission Level= SG Level- Cable Loss+ Antenna Factor
 Over Limit= Emission Level(dBm)-Limit(dBm)

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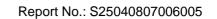




	GPRS 1900									
		Cable	Antenna	Absolute		Over				
Frequency	SG Level	Loss	Factor	Level	Limit	Limit	Polarity			
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dBm)				
	Test Results for Channel 512/1850.2MHz									
3700.4	-55.68	4.04	33.51	-26.21	-13	-13.21	Vertical			
3700.4	-55.94	4.04	33.51	-26.47	-13	-13.47	Horizontal			
5550.6	-56.74	5.24	35.84	-26.14	-13	-13.14	Vertical			
5550.6	-57.93	5.24	35.84	-27.33	-13	-14.33	Horizontal			
249.9	-46.09	1.66	17.06	-30.70	-13	-17.70	Vertical			
237.9	-49.46	1.34	15.54	-35.26	-13	-22.26	Horizontal			
		Test Res	ults for Cha	nnel 661/188	30.0MHz					
3760	-58.08	4.04	33.56	-28.56	-13	-15.56	Vertical			
3760	-56.69	4.04	33.56	-27.17	-13	-14.17	Horizontal			
5640	-57.42	5.24	35.91	-26.75	-13	-13.75	Vertical			
5640	-51.64	5.24	35.91	-20.97	-13	-7.97	Horizontal			
168.5	-44.47	1.33	16.18	-29.62	-13	-16.62	Vertical			
249.4	-49.79	1.60	17.99	-33.40	-13	-20.40	Horizontal			
		Test Res	ults for Cha	nnel 810/190	9.8MHz					
3819.6	-56.64	4.04	34.00	-26.68	-13	-13.68	Vertical			
3819.6	-54.56	4.04	34.00	-24.60	-13	-11.60	Horizontal			
5729.4	-57.79	5.24	36.04	-26.99	-13	-13.99	Vertical			
5729.4	-57.55	5.24	36.04	-26.75	-13	-13.75	Horizontal			
206.6	-48.08	1.65	17.27	-32.47	-13	-19.47	Vertical			
227.8	-44.28	1.39	15.49	-30.19	-13	-17.19	Horizontal			

- We were tested all Configuration refer 3GPP TS134 121.
 Emission Level= SG Level- Cable Loss+ Antenna Factor
- 3. Over Limit= Emission Level(dBm)-Limit(dBm)

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FORDS 4000										
	EGPRS 1900									
Frequency	SG Level	Cable Loss	Antenna Factor	Absolute Level	Limit	Over Limit	Polarity			
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dBm)				
	Test Results for Channel 512/1850.2MHz									
3700.4	-56.01	4.04	33.51	-26.54	-13	-13.54	Vertical			
3700.4	-54.59	4.04	33.51	-25.12	-13	-12.12	Horizontal			
5550.6	-57.96	5.24	35.84	-27.36	-13	-14.36	Vertical			
5550.6	-57.89	5.24	35.84	-27.29	-13	-14.29	Horizontal			
224.9	-49.51	1.41	17.87	-33.05	-13	-20.05	Vertical			
105.4	-44.17	1.47	17.45	-28.20	-13	-15.20	Horizontal			
		Test Res	ults for Cha	nnel 661/188	30.0MHz					
3760	-54.18	4.04	33.56	-24.66	-13	-11.66	Vertical			
3760	-56.58	4.04	33.56	-27.06	-13	-14.06	Horizontal			
5640	-54.9	5.24	35.91	-24.23	-13	-11.23	Vertical			
5640	-55.66	5.24	35.91	-24.99	-13	-11.99	Horizontal			
110.0	-51.46	1.35	15.31	-37.51	-13	-24.51	Vertical			
231.5	-50.86	1.48	17.05	-35.29	-13	-22.29	Horizontal			
		Test Res	sults for Cha	nnel 810/190)9.8MHz					
3819.6	-55.23	4.04	34.00	-25.27	-13	-12.27	Vertical			
3819.6	-54.45	4.04	34.00	-24.49	-13	-11.49	Horizontal			
5729.4	-58.74	5.24	36.04	-27.94	-13	-14.94	Vertical			
5729.4	-58.12	5.24	36.04	-27.32	-13	-14.32	Horizontal			
156.0	-44.73	1.49	17.71	-28.51	-13	-15.51	Vertical			
144.9	-53.93	1.55	15.08	-40.40	-13	-27.40	Horizontal			

- We were tested all Configuration refer 3GPP TS134 121.
 Emission Level= SG Level- Cable Loss+ Antenna Factor
 Over Limit= Emission Level(dBm)-Limit(dBm)

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			WCDMA	Band V					
Frequency	SG Level	Cable Loss	Antenna Factor	Absolute Level	Limit	Over Limit	Polarity		
(MHz)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dBm)			
Test Results for Channel 4233/846.6MHz									
1693.2	-49.93	2.80	27.50	-25.23	-13	-12.23	Vertical		
1693.2	-45.44	2.80	27.50	-20.74	-13	-7.74	Horizontal		
2539.8	-52.7	2.91	27.80	-27.81	-13	-14.81	Vertical		
2539.8	-52.82	2.91	27.80	-27.93	-13	-14.93	Horizontal		
3386.4	-47.6	4.02	29.87	-21.75	-13	-8.75	Vertical		
3386.4	-45.49	4.02	29.87	-19.64	-13	-6.64	Horizontal		
264.3	-44.33	1.75	15.49	-30.59	-13	-17.59	Vertical		
209.9	-50.9	1.37	16.58	-35.69	-13	-22.69	Horizontal		
		Test Res	sults for Cha	nnel 4182/83	36.4MHz				
1672.8	-44.57	2.80	27.48	-19.89	-13	-6.89	Vertical		
1672.8	-46.93	2.80	27.48	-22.25	-13	-9.25	Horizontal		
2509.2	-45.69	2.91	27.70	-20.90	-13	-7.90	Vertical		
2509.2	-53.47	2.91	27.70	-28.68	-13	-15.68	Horizontal		
3345.6	-52.15	4.02	29.82	-26.35	-13	-13.35	Vertical		
3345.6	-53.91	4.02	29.82	-28.11	-13	-15.11	Horizontal		
255.8	-44.11	1.68	17.84	-27.95	-13	-14.95	Vertical		
129.8	-46.32	1.49	16.34	-31.46	-13	-18.46	Horizontal		
		Test Res	sults for Cha	nnel 4132/82	26.4MHz				
1652.8	-45.73	2.80	27.42	-21.11	-13	-8.11	Vertical		
1652.8	-52.15	2.80	27.42	-27.53	-13	-14.53	Horizontal		
2479.2	-52.27	2.91	27.68	-27.50	-13	-14.50	Vertical		
2479.2	-47.02	2.91	27.68	-22.25	-13	-9.25	Horizontal		
3305.6	-49.85	4.02	29.80	-24.07	-13	-11.07	Vertical		
3305.6	-44.44	4.02	29.80	-18.66	-13	-5.66	Horizontal		
135.6	-44.96	1.36	17.52	-28.80	-13	-15.80	Vertical		
190.6	-50.05	1.63	15.02	-36.66	-13	-23.66	Horizontal		

- We were tested all Configuration refer 3GPP TS134 121.
 Emission Level= SG Level- Cable Loss+ Antenna Factor
 Over Limit= Emission Level(dBm)-Limit(dBm)

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			WCDMA	Band II						
Frequency	SG Level	Cable Loss	Antenna Factor	Absolute Level	Limit	Over Limit	Polarity			
(MHz)	(dBm)	(dB)	(dB) (dBm)		(dBm)	(dBm)				
Test Results for Channel 9262/1852.4MHz										
3704.8	-56.19	4.04	33.51	-26.72	-13	-13.72	Vertical			
3704.8	-54.59	4.04	33.51	-25.12	-13	-12.12	Horizontal			
5557.2	-54.03	5.24	35.84	-23.43	-13	-10.43	Vertical			
5557.2	-56.48	5.24	35.84	-25.88	-13	-12.88	Horizontal			
91.6	-52.93	1.66	17.47	-37.12	-13	-24.12	Vertical			
104.4	-44.97	1.38	16.18	-30.17	-13	-17.17	Horizontal			
		Test Res	sults for Cha	nnel 9400/18	880MHz		•			
3760	-56.24	4.04	33.56	-26.72	-13	-13.72	Vertical			
3760	-55.83	4.04	33.56	-26.31	-13	-13.31	Horizontal			
5640	-55.18	5.24	35.91	-24.51	-13	-11.51	Vertical			
5640	-54.89	5.24	35.91	-24.22	-13	-11.22	Horizontal			
121.2	-46.59	1.38	16.34	-31.63	-13	-18.63	Vertical			
167.8	-46.13	1.34	16.03	-31.44	-13	-18.44	Horizontal			
		Test Res	ults for Char	nel 9538/19	07.6MHz					
3815.2	-55.93	4.04	34.00	-25.97	-13	-12.97	Vertical			
3815.2	-54.53	4.04	34.00	-24.57	-13	-11.57	Horizontal			
5722.8	-57.75	5.24	36.04	-26.95	-13	-13.95	Vertical			
5722.8	-56.19	5.24	36.04	-25.39	-13	-12.39	Horizontal			
135.9	-47.68	1.51	15.52	-33.67	-13	-20.67	Vertical			
247.5	-46.69	1.32	17.18	-30.84	-13	-17.84	Horizontal			

- We were tested all Configuration refer 3GPP TS134 121.
 Emission Level= SG Level- Cable Loss+ Antenna Factor
 Over Limit= Emission Level(dBm)-Limit(dBm)

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	MODMA Daniel III											
			WCDMA	Band IV								
Frequency	SG Level	Cable Loss	Antenna Factor	Absolute Level	Limit	Over Limit	Polarity					
(MHz)	(dBm)	(dB)	(dB) (dBm)		(dBm)	(dBm)						
		Test Res	ults for Char	nel 1312/17	12.4MHz							
3424.8	-51.48	4.02	29.80	-25.70	-13	-12.70	Vertical					
3424.8	-51.33	4.02	29.80	-25.55	-13	-12.55	Horizontal					
5137.2	-53.63	5.24	35.84	-23.03	-13	-10.03	Vertical					
5137.2	-51.86	5.24	35.84	-21.26	-13	-8.26	Horizontal					
81.8	-49.24	1.66	15.00	-35.90	-13	-22.90	Vertical					
115.1	-45.72	1.58	16.20	-31.10	-13	-18.10	Horizontal					
		Test Res	ults for Char	nel 1412/17	32.4MHz							
3464.8	-52.06	4.03	30.00	-26.09	-13	-13.09	Vertical					
3464.8	-48.6	4.03	30.00	-22.63	-13	-9.63	Horizontal					
5197.2	-51.83	5.25	35.86	-21.22	-13	-8.22	Vertical					
5197.2	-51.45	5.25	35.86	-20.84	-13	-7.84	Horizontal					
246.8	-53.71	1.55	16.39	-38.86	-13	-25.86	Vertical					
101.0	-46.59	1.32	16.25	-31.66	-13	-18.66	Horizontal					
		Test Res	ults for Char	nel 1513/17	52.6MHz							
3505.2	-52.72	2.91	27.68	-27.95	-13	-14.95	Vertical					
3505.2	-47.45	2.91	27.68	-22.68	-13	-9.68	Horizontal					
5257.8	-52.12	5.26	35.86	-21.52	-13	-8.52	Vertical					
5257.8	-53.15	5.26	35.86	-22.55	-13	-9.55	Horizontal					
199.0	-45.53	1.33	15.78	-31.08	-13	-18.08	Vertical					
193.1	-45.91	1.47	17.42	-29.96	-13	-16.96	Horizontal					

- We were tested all Configuration refer 3GPP TS134 121.
 Emission Level= SG Level- Cable Loss+ Antenna Factor
- 3. Over Limit= Emission Level(dBm)-Limit(dBm)

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7.2 EFFECTIVE RADIATED POWER AND EFFECTIVE ISOTROPIC RADIATED POWER

7.2.1 Applicable Standard

According to FCC KDB 971168 D01 v03 Section 5.2.1/ Section 5.2.2.2 and ANSI/TIA-603-E-2016 Section 2.2.17

7.2.2 Conformance Limit

The substitution method, in ANSI/TIA-603-E-2016, was used for ERP/EIRP measurement, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v03. The ERP of mobile transmitters must not exceed 7 Watts (Cellular Band) and the EIRP of mobile transmitters are limited to 2 Watts (PCS Band). The following power and antenna height requirements apply to stations transmitting in the 1710–1755 MHz and 2110–2155 MHz bands: Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP.

7.2.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.2.4 Test Configuration

(a) For E.R.P and E.I.R.P Measurements Please refer to the section 7.1.4 in this report.

7.2.5 Test Procedure

The measurements procedures specified in ANSI/TIA-603-E-2016 were applied.

In an anechoic antenna test chamber, a half-wave dipole antenna for the frequency band of interest is placed at the reference centre of the chamber. An RF Signal source for the frequency band of interest is connected to the dipole with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A known (measured) power (Pin) is applied to the input of the dipole, and the power received (Pr) at the chamber's probe antenna is recorded.

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

ERP/EIRP = SGLevel -Pcl +Ga

where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as SGLevel, typically dBW or dBm):

SGLevel = Signal generator output power or PSD, in dBm or dBW;

Ga = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

Pcl = signal attenuation in the connecting cable between the transmitter and antenna, in dB.²

The EUT is substituted for the dipole at the reference centre of the chamber and a scan is performed to obtain the radiation pattern.

From the radiation pattern, the co-ordinates where the maximum antenna gain occurs are identified.

The EUT is then put into continuously transmitting mode at its maximum power level.

Power mode measurements are performed with the receiving antenna placed at the coordinates determined in Step 3 to determine the output power as defined in Rule 24.232 (b) and (c). The "reference path loss" from Step1 is added to this result.

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This value is EIRP since the measurement is calibrated using a half-wave dipole antenna of known gain (2.15 dBi) and known input power (Pin).

ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

Substitution antenna and Receiving Antenna:

	itation antonna c					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Character	Note
1	Log-Periodic Antenna	SCHWARZBE CK	VULB 9162	584	30MHz~2GHz	Receiving Antenna
2	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9120 D	2816	1GHz~18GHz	Receiving Antenna
3	Log-Periodic Antenna	SCHWARZBE CK	VULB 9162	586	30MHz~2GHz	Substitution antenna
4	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9120 D	2817	1GHz~18GHz	Substitution antenna

Use the following spectrum analyzer settings:

ann analyzor oothingo.	
GSM/GPRS/EGPRS	UMTS band
500KHz	10MHz
10KHz	300KHz
30KHz	1MHz
RMS	RMS
Average	Average
Power	Power
100	100
	GSM/GPRS/EGPRS 500KHz 10KHz 30KHz RMS Average Power

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7.2.6 Test Results

EUT:	Rugged Smart Tablet	Model No.:	RT3 Plus
Temperature:	120 °C	Relative Humidity:	48%
Test Mode:	GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, UMTS band II/ UMTS band V/UMTS band IV	Test By:	Allen Liu

■ Effective Radiated Power

	Radiated Power (ERP) for GSM850													
Frequency	Polarization	SG Level	Pcl	Antenna Factor	Correction	ERP	ERP	Limit	Verdict					
(MHz)		(dBm)	(dB)	(dB)	(dB)	(dBm)	(W)	(W)						
824.2	Н	13.07	2.11	23.84	2.15	32.65	1.840772	7	Pass					
836.6	Н	14.39	2.13	23.15	2.15	33.26	2.118361	7	Pass					
848.8	Н	14.70	2.13	23.06	2.15	33.48	2.228435	7	Pass					
824.2	V	14.09	2.11	23.11	2.15	32.94	1.967886	7	Pass					
836.6	V	14.02	2.13	23.07	2.15	32.81	1.909853	7	Pass					
848.8	V	14.61	2.13	23.25	2.15	33.58	2.280342	7	Pass					

		R	Radiate	d Power (E	RP) for GPR	S850			
Frequency	Polarization	SG Level Pcl		Antenna Factor	Correction	ERP	ERP	Limit	Verdict
(MHz)		(dBm)	(dB)	(dB)	(dB)	(dBm)	(W)	(W)	
824.2	Н	13.95	2.11	23.84	2.15	33.53	2.254239	7	Pass
836.6	Н	14.54	2.13	23.15	2.15	33.41	2.192805	7	Pass
848.8	Н	14.76	2.13	23.06	2.15	33.54	2.259436	7	Pass
824.2	V	14.22	2.11	23.11	2.15	33.07	2.027683	7	Pass
836.6	V	13.83	2.13	23.07	2.15	32.62	1.828100	7	Pass
848.8	V	14.45	2.13	23.25	2.15	33.42	2.197860	7	Pass

	Radiated Power (ERP) for EGPRS850													
Frequency	Polarization	SG Level	Pcl	Antenna Factor	Correction	ERP	ERP	Limit	Verdict					
(MHz)		(dBm)	(dB)	(dB)	(dB)	(dBm)	(W)	(W)						
824.2	Н	8.13	2.11	23.84	2.15	27.71	0.590201	7	Pass					
836.6	Н	9.08	2.13	23.15	2.15	27.95	0.623735	7	Pass					
848.8	Н	9.01	2.13	23.06	2.15	27.79	0.601174	7	Pass					
824.2	V	10.27	2.11	23.11	2.15	29.12	0.816582	7	Pass					
836.6	V	9.18	2.13	23.07	2.15	27.97	0.626614	7	Pass					
848.8	V	9.95	2.13	23.25	2.15	28.92	0.779830	7	Pass					

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	Radiated Power (E.I.R.P) for GSM1900											
Frequency	Polarization	SG Level	Pcl	Antenna Factor	EIRP	EIRP	Limit	Verdict				
(MHz)	Folalization	(dBm)	(dB)	(dB)	(dBm)	(W)	(W)					
1850.2	Н	6.78	3.76	28.24	31.26	1.336596	2	Pass				
1880	Н	7.25	3.91	28.22	31.56	1.432188	2	Pass				
1909.8	Н	7.66	3.93	28.20	31.93	1.559553	2	Pass				
1850.2	V	7.89	3.76	27.32	31.45	1.396368	2	Pass				
1880	V	8.12	3.91	27.33	31.54	1.425608	2	Pass				
1909.8	V	8.40	3.93	27.31	31.78	1.506607	2	Pass				

	Radiated Power (E.I.R.P) for GPRS1900											
Frequency	Polarization	SG Level	Pcl	Antenna Factor	EIRP	EIRP	Limit	Verdict				
(MHz)	1 Glarization	(dBm)	(dB)	(dB)	(dBm)	(W)	(W)					
1850.2	Н	7.05	3.76	28.24	31.53	1.422329	2	Pass				
1880	Н	7.63	3.91	28.22	31.94	1.563148	2	Pass				
1909.8	Н	7.59	3.93	28.20	31.86	1.534617	2	Pass				
1850.2	V	8.11	3.76	27.32	31.67	1.468926	2	Pass				
1880	V	7.65	3.91	27.33	31.07	1.279381	2	Pass				
1909.8	V	8.04	3.93	27.31	31.42	1.386756	2	Pass				

	Radiated Power (E.I.R.P) for EGPRS1900												
Frequency	Polarization	SG Level	Pcl	Antenna Factor	EIRP	EIRP	Limit	Verdict					
(MHz)	1 Glarization	(dBm)	(dB)	(dB)	(dBm)	(W)	(W)						
1850.2	Н	3.23	3.76	28.24	27.71	0.590201	2	Pass					
1880	Н	3.03	3.91	28.22	27.34	0.542001	2	Pass					
1909.8	Н	3.25	3.93	28.20	27.52	0.564937	2	Pass					
1850.2	V	3.92	3.76	27.32	27.48	0.559758	2	Pass					
1880	V	3.73	3.91	27.33	27.15	0.518800	2	Pass					
1909.8	V	4.41	3.93	27.31	27.79	0.601174	2	Pass					

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	Radiated Power (E.I.R.P) for UMTS band II												
Frequency	Polarization	SG Level	Pcl	Antenna Factor	EIRP	EIRP	Limit	Verdict					
(MHz)		(dBm)	(dB)	(dB)	(dBm)	(W)	(W)						
1852.4	Н	1.14	3.76	28.24	25.62	0.364754	2	Pass					
1880	Н	0.67	3.91	28.22	24.98	0.314775	2	Pass					
1907.6	Н	0.00	3.93	28.20	24.27	0.267301	2	Pass					
1852.4	V	1.22	3.76	27.32	24.78	0.300608	2	Pass					
1880	V	2.60	3.91	27.33	26.02	0.399945	2	Pass					
1907.6	V	0.99	3.93	27.31	24.37	0.273527	2	Pass					

	Radiated Power (E.I.R.P) for UMTS band IV							
Frequency		SG	Pcl	Antenna	EIRP	EIRP	Limit	Verdict
rroquority	Polarization	Level	. 01	Factor			Liiiit	Voluiot
(MHz)		(dBm)	(dB)	(dB)	(dBm)	(W)	(W)	
1712.4	Н	-0.06	3.13	27.63	24.44	0.277971	1	Pass
1732.4	Н	0.14	3.27	27.61	24.48	0.280543	1	Pass
1752.6	Н	0.24	3.30	27.60	24.54	0.284446	1	Pass
1712.4	V	-0.18	3.13	27.63	24.32	0.270396	1	Pass
1732.4	V	0.03	3.27	27.61	24.37	0.273527	1	Pass
1752.6	V	0.10	3.30	27.60	24.40	0.275423	1	Pass

	Radiated Power (ERP) for UMTS band V								
Frequency	Polarization	SG Level	Pcl	Antenna Factor	Correction	ERP	ERP	Limit	Verdict
(MHz)		(dBm)	(dB)	(dB)	(dB)	(dBm)	(W)	(W)	
826.4	Н	5.18	2.11	23.84	2.15	24.76	0.299226	7	Pass
835	Н	5.80	2.13	23.15	2.15	24.67	0.293089	7	Pass
846.6	Н	5.62	2.13	23.06	2.15	24.40	0.275423	7	Pass
826.4	V	5.24	2.11	23.11	2.15	24.09	0.256448	7	Pass
835	V	5.63	2.13	23.07	2.15	24.42	0.276694	7	Pass
846.6	V	4.77	2.13	23.25	2.15	23.74	0.236592	7	Pass

Note:

SG Level= Signal generator output

Pcl= cable loss Ga= Antenna Factor

Peak EIRP(dBm)= SGLevel -Pcl +Ga

ERP(dBm)=EIRP-2.15

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7.3 CONDUCTED OUTPUT POWER

7.3.1 Applicable Standard

According to FCC Part 2.1046 and FCC Part 22.913(a)(2)) and FCC KDB 971168 D01 v03 Section 5.2

7.3.2 Conformance Limit

Extend coverage on a secondary basis into cellular unserved areas, as those areas are defined in §22.949, the ERP of base transmitters and cellular repeaters of such systems must not exceed 1000 Watts. The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts(38.5dBm).

Mobile and portable stations are limited to 2 watts (33dBm)EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications..

For CDMA2000 Power: Maximum output power is verified on the Low, Middle and High channels according to procedures in section 4.4.5.2.of 3GPP2 C.S0011/TIA-98-E for 1Xrtt, section 3.1.2.3.4 of 3GPP2 C.S0033-0/TIA-866 for Rel.0 and section 4.3.4 of 3GPP2 C.S0033-A for Rev.A.

7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the ARFCN range, power control level set to Max power. The frequency band is set as selected frequency, The RF output of the transmitter was connected to base station simulator.

Set EUT at maximum average power by base station simulator.

Set RBW = 1-5% of the OBW, not to exceed 1 MHz.

Set VBW ≥ 3 × RBW.

Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. (This gives bin-to-bin spacing $\leq \text{RBW}/2$, so that narrowband signals are not lost between frequency bins.)

Sweep time = auto.

Detector = RMS (power averaging).

Set sweep trigger to "free run".

Trace average at least 100 traces in power averaging (i.e., RMS) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the on and off periods of the transmitter.

Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

Add 10 log (1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10 log (1/0.25) = 6 dB if the duty cycle is a constant 25%

Measure lowest, middle, and highest channels for each bandwidth and different modulation.

Measure and record the results in the test report.

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7.3.6 Test Results

EUT:	Rugged Smart Tablet	Model No.:	RT3 Plus
Temperature:	120 %	Relative Humidity:	48%
	GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, UMTS band II/ UMTS band V/ UMTS band IV	Test By:	Allen Liu

Test data reference attachment

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7.4 FREQUENCY STABILITY

7.4.1 Applicable Standard

According to FCC Part 2.1055 and FCC Part 22.355 and FCC KDB 971168 D01 Section 9.0

7.4.2 Conformance Limit

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test.

EUT was placed at temperature chamber and connected to an external power supply.

Temperature and voltage condition shall be tested to confirm frequency stability.

For Temperature Variation

- 1. The testing follows FCC KDB 971168 D01 v03 Section 9.0.
- 2. The EUT was set up in the thermal chamber and connected with the system simulator.
- With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing.
 Power was applied and the maximum change in frequency was recorded within one minute.
- 4. With power OFF, the temperature was raised in 10°C steps up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

For Voltage Variation

- 1. The testing follows FCC KDB 971168 D01 v03 Section 9.0.
- 2. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.
- 3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
- 4. The variation in frequency was measured for the worst case.

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7.4.6 Test Results

EUT:	Rugged Smart Tablet	Model No.:	RT3 Plus
Temperature:	20 ℃	Relative Humidity:	48%
	GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, UMTS band II/ UMTS band V/ UMTS band IV	Test By:	Allen Liu
Results: PASS			

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Frequ	Frequency Error Against Voltage for GSM 850 band(Mid CH)					
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)				
3.27	8.53	0.010198				
3.85	9.54	0.011406				
4.43	9.08	0.010856				

Frequency Error Against Temperature for GSM 850 band(Mid CH)					
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)			
-30	8.62	0.010306			
-20	7.96	0.009517			
-10	8.25	0.009864			
0	6.84	0.008178			
10	7.67	0.009170			
20	8.09	0.009672			
30	6.08	0.007269			
40	7.47	0.008931			
50	11.33	0.013546			

Frequency Error Against Voltage for GPRS850 band(Mid CH)				
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)		
3.27	7.89	0.009433		
3.85	8.64	0.010330		
4.43	8.92	0.010665		

Frequency Error Against Temperature for GPRS850 band(Mid CH)					
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)			
-30	8.62	0.010306			
-20	7.95	0.009505			
-10	7.49	0.008955			
0	6.08	0.007269			
10	7.86	0.009397			
20	8.84	0.010569			
30	8.59	0.010270			
40	9.28	0.011095			
50	12.24	0.014634			

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Frequency Error Against Voltage for EGPRS850 band(Mid CH)					
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)			
3.27	6.45	0.007712			
3.85	6.2	0.007413			
4.43	8.52	0.010187			

Frequency Error Against Temperature for EGPRS850 band(Mid CH)					
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)			
-30	7.42	0.008871			
-20	6.64	0.007939			
-10	9.27	0.011083			
0	6.11	0.007305			
10	8.42	0.010067			
20	6.43	0.007688			
30	8.07	0.009648			
40	8.38	0.010019			
50	11.27	0.013474			

Note:

- 1. Normal Voltage = 3.85V; Battery End Point (BEP) = 3.27V; Maximum Voltage =4.43V
- 2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Frequency Error Against Voltage for PCS 1900 band (Mid CH)				
Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)		
3.27	18.4	0.009787		
3.85	19.28	0.010255		
4.43	17.75	0.009441		

Frequency Error Against Temperature for PCS 1900 band (Mid CH)					
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)			
-30	19	0.010106			
-20	17.01	0.009048			
-10	16.04	0.008532			
0	19.71	0.010484			
10	18.15	0.009654			
20	17.22	0.009160			
30	20.19	0.010739			
40	19.38	0.010309			
50	20.29	0.010793			

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Frequency Error Against Voltage for GPRS1900 band (Mid CH)			
Voltage (V) Frequency Error (Hz) Frequency Error (ppm)			
3.27 17.82 0.009479		0.009479	
3.85 17.09 0.009090			
4.43 16.65 0.008856			

Frequency Error Against Temperature for GPRS1900 band (Mid CH)				
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)		
-30	21.58	0.011479		
-20	18.87	0.010037		
-10	17.64	0.009383		
0	19.63	0.010441		
10	18.74	0.009968		
20	18.3	0.009734		
30	17.94	0.009543		
40	18.55	0.009867		
50	22.24	0.011830		

Frequency Error Against Voltage for EGPRS1900 band (Mid CH)			
Voltage (V) Frequency Error (Hz) Frequency Error (ppm)			
3.27 20.78 0.011053		0.011053	
3.85 19.04 0.010128			
4.43 19.74 0.010500			

Frequency Error Against Temperature for EGPRS1900 band (Mid CH)				
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)		
-30	21.13	0.011239		
-20	19.28	0.010255		
-10	17.08	0.009085		
0	16.46	0.008755		
10	18.08	0.009617		
20	19.44	0.010340		
30	19.56	0.010404		
40	17.97	0.009559		
50	20.92	0.011128		

Note:

- 1. Normal Voltage = 3.85V; Battery End Point (BEP) = 3.27V; Maximum Voltage =4.43V
- 2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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Frequency Error Against Voltage for UMTS band II (Mid CH)			
Voltage (V) Frequency Error (Hz) Frequency Error (ppm)			
3.27 -17.83 -0.009484		-0.009484	
3.85 -17.25 -0.009176			
4.43 -18.59 -0.009888			

Frequency Error Against Temperature for UMTS band II (Mid CH)				
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)		
-30	-17.81	-0.009473		
-20	-17.15	-0.009122		
-10	-15.18	-0.008074		
0	-18.43	-0.009803		
10	-15.7	-0.008351		
20	-16.22	-0.008628		
30	-17.27	-0.009186		
40	-15.94	-0.008479		
50	-24.05	-0.012793		

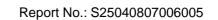
Frequency Error Against Voltage for UMTS band IV (Mid CH)				
Voltage (V) Frequency Error (Hz) Frequency Error (ppm)				
3.27 -14.47 -0.008353				
3.85	3.85 -12.1 -0.006985			
4.43 -15.04 -0.008682				

Frequency Error Against Temperature for UMTS band IV (Mid CH)				
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)		
-30	-7.02	-0.004052		
-20	-14.85	-0.008572		
-10	-11.55	-0.006667		
0	-9.96	-0.005749		
10	-11.59	-0.006690		
20	-17.5	-0.010102		
30	-17.3	-0.009986		
40	-17.05	-0.009842		
50	-22.42	-0.012942		

Note:

- 1. Normal Voltage = 3.85V; Battery End Point (BEP) = 3.27V; Maximum Voltage =4.43V
- 2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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Frequency Error Against Voltage for UMTS band V (Mid CH)				
Voltage (V)	Frequency Error (Hz) Frequency Error (ppm)			
3.27	-16.35 -0.019548			
3.85	3.85 -15.67 -0.018735			
4.43	4.43 -17.56 -0.020995			

Frequency Error Against Temperature for UMTS band V (Mid CH)				
Temperature (°C)	Frequency Error (Hz)	Frequency Error (ppm)		
-30	-15.11	-0.018066		
-20	-18.6	-0.022238		
-10	-15.76	-0.018843		
0	-17.49	-0.020911		
10	-17.04	-0.020373		
20	-19.81	-0.023685		
30	-18.89	-0.022585		
40	-15.97	-0.019094		
50	-18.64	-0.022286		

Note:

- Normal Voltage = 3.85V; Battery End Point (BEP) = 3.27V; Maximum Voltage =4.43V The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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7.5 PEAK-TO-AVERAGE RATIO

7.5.1 Applicable Standard

According to Subclause 5.2.3.4 of ANSI C63.26-2015 and FCC KDB 971168 D01 Section 5.7.1

7.5.2 Conformance Limit

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

7.5.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set the number of counts to a value that stabilizes the measured CCDF curve.

Set the measurement interval to 1 ms.

Record the maximum PAPR level associated with a probability of 0.1%.

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function:
- b) Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval as follows:
- 1) for continuous transmissions, set to 1 ms,
- 2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
- e) Record the maximum PAPR level associated with a probability of 0.1%.

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7.5.6 Test Results

EUT:	Rugged Smart Tablet	Model No.:	RT3 Plus
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, UMTS band II/ UMTS band V/ UMTS band IV	Test By:	Allen Liu
Results: PASS	•	•	

The Test data reference attachment:

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7.6 26DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

7.6.1 Applicable Standard

According to FCC Part 2.1049 and FCC Part 22H and FCC KDB 971168 D01 Section 4

7.6.2 Conformance Limit

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows FCC KDB 971168 v03 Section 4.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.

The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.

Set the detection mode to peak, and the trace mode to max hold.

Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.

(this is the reference value)

Determine the "-26 dB down amplitude" as equal to (Reference Value - X).

Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the "–X dB down amplitude" determined in step 6. If a marker is below this "-X dB down amplitude" value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.

Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

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7.6.6 Test Results

EUT:	Rugged Smart Tablet	Model No.:	RT3 Plus
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, UMTS band II/ UMTS band V/ UMTS band IV	Test By:	Allen Liu
Results: PASS			

The Test data reference attachment:

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7.7 CONDUCTED BAND EDGE

7.7.1 Applicable Standard

According to FCC Part 2.1051 and FCC Part 22.917(a) and FCC KDB 971168 D01 Section6.

7.7.2 Conformance Limit

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows FCC KDB 971168 v03 Section 6.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

The band edges of low and high channels for the highest RF powers were measured.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

- = P(W) [43 + 10log(P)] (dB)
- = [30 + 10log(P)] (dBm) [43 + 10log(P)] (dB)
- = -13dBm.

7.7.6 Test Results

EUT:	Rugged Smart Tablet	Model No.:	RT3 Plus
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, UMTS band II/ UMTS band V/ UMTS band IV	Test By:	Allen Liu
Results: PASS		•	•

The Test data reference attachment:

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7.8 CONDUCTED SPURIOUS EMISSION AT ANTENNA TERMINAL

7.8.1 Applicable Standard

According to FCC Part 2.1051 and FCC Part 22.917(a) and FCC KDB 971168 D01 Section6.

7.8.2 Conformance Limit

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

The testing follows FCC KDB 971168 v03 Section 6.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

The middle channel for the highest RF power within the transmitting frequency was measured.

The conducted spurious emission for the whole frequency range was taken.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

- = P(W) [43 + 10log(P)] (dB)
- = [30 + 10log(P)] (dBm) [43 + 10log(P)] (dB)
- = -13dBm.

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7.8.6 Test Results

EUT:	Rugged Smart Tablet	Model No.:	RT3 Plus
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	GSM/GPRS/EGPRS 850, GSM/GPRS/EGPRS 1900, UMTS band II/ UMTS band V/ UMTS band IV	Test By:	Allen Liu
Results: PASS			

The Test data reference attachment:

END OF REPORT

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