



# FCC Test Report FCC ID: 2ADWUPSPCZ20A0

**Product**: Smartphone

Trade Mark: Polaroid

Model Number: PSPCZ20A0

Serial Model: N/A

**Report No.:** SER171102612007E

#### **Prepared for**

One Diamond Electronics Inc. 1450 Frazee Road, Suite 414, San Diego, CA 92108

## Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

1/F, Building E, Fenda Science Park, Sanwei Community,
Xixiang Street Bao'an District, Shenzhen P.R. China

Tel.: +86-755-6115 6588 Fax.: +86-755-6115 6599 Website:http://www.ntek.org.cn

Version.1.2 Page 1 of 22





Applicant's name .....: One Diamond Electronics Inc.

Report No.: SER171102612007E

# **TEST RESULT CERTIFICATION**

Address ...... 1450 Frazee Road, Suite 414, San Diego, CA 92108

Manufacturer's Name:	Shenzhen X&F Technology Co., Ltd.	
Address:	Shenzhen, Nanshan District science and Technolo Wandelai North Block Building 5&6 floor	ogy Park
Product description		
Product name:	Smartphone	
Model and/or type reference :		
Standards:	FCC Part15B ANSI C63.4:2014	
	s been tested by NTEK, and the test results show a compliance with Part 15 of FCC Rules. And it is are report.	
·	eed except in full, without the written approval of N sed by NTEK, personnel only, and shall be noted	
Date (s) of performance of tests		
Date of Issue		
Test Result	Pass	
Testing Engine	er : <u>Evleen Wu</u> . (Eileen Liu)	
Technical Ma	nager : Justin chen (Jason Chen)	
	· · · · · · · · · · · · · · · · · · ·	
Authorized S	gnatory: Sam. Chew	

Version.1.2 Page 2 of 22

(Sam Chen)





Table of Contents	Page
1 . TEST SUMMARY	4
1.1 TEST FACILITY	5
1.2 MEASUREMENT UNCERTAINTY	5
2 . GENERAL INFORMATION	6
2.1 GENERAL DESCRIPTION OF EUT	6
2.2 DESCRIPTION OF TEST SETUP	9
2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL	10
2.4 MEASUREMENT INSTRUMENTS LIST	11
3 . EMC EMISSION TEST	12
3.1 CONDUCTED EMISSION MEASUREMENT	12
3.1.1 POWER LINE CONDUCTED EMISSION	12
3.1.2 TEST PROCEDURE	13
3.1.3 TEST SETUP	13
3.1.4 EUT OPERATING CONDITIONS 3.1.5 TEST RESULTS	13 14
	• •
3.2 RADIATED EMISSION MEASUREMENT 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	18 18
3.2.2 TEST PROCEDURE	18
3.2.3 TEST SETUP	19
3.2.4 TEST RESULTS	20
3.2.5 TEST RESULTS(1000~6000MHz)	22

Version.1.2 Page 3 of 22





# 1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission						
Standard Test Item Limit Judgment Re						
FCC Part15B	Conducted Emission	Class B	PASS			
ANSI C63.4: 2014	Radiated Emission	Class B	PASS			

## NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

Version.1.2 Page 4 of 22





#### 1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

FCC Registration Number:463705; IC Registration Number:9270A-1

CNAS Registration Number:L5516

## 1.2 MEASUREMENT UNCERTAINTY

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

## A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKC01	ANSI	150 KHz ~ 30MHz	3.2	

#### B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKA01	ANSI	30MHz ~ 1000MHz	4.7	
		1GHz ~12.4GHz	5.0	

Version.1.2 Page 5 of 22





2. GENERAL INFORMATION
2.1 GENERAL DESCRIPTION OF EUT

Version.1.2 Page 6 of 22



Equipment	Cmartabasa	-		
Equipment	Smartphone			
Trade Mark		Polaroid		
Model Name	PSPCZ20A0			
Serial Model	N/A			
Model Difference	N/A			
Product Description  Power Source	Connecting I/O port: Operation Frequency:  Modulation Type:	USB, DC in  BT:2402~2480 MHz WIFI:802.11b/g/n(20):2412~2462MHz 802.11n(HT40):2422-2452MHz GSM850: TX824.2MHz~848.8MHz /RX869.2MHz~893.8MHz; PCS1900: TX1850.2MHz~1909.8MHz /RX1930.2MHz~1989.8MHz; UMTS FDD Band V: TX826.4MHz~846.6MHz /RX871.4MHz~891.6MHz; UMTS FDD Band II: TX1852.4MHz~1907.6MHz /RX1932.4MHz~1987.6MHz; LTE FDD Band 2 Uplink: 1850.7MHz-1909.3MHz, Downlink: 1930.7MHz-1989.3MHz: LTE FDD Band 4 Uplink: 1710MHz-1755MHz, Downlink: 2110MHz-2155MHz LTE FDD Band 5 Uplink: 824.7MHz-849MHz, Downlink: 869.7MHz-894MHz LTE FDD Band 7 Uplink: 2500MHz-2570MHz, Downlink: 2620MHz-2690MHz BT(1Mbps)/BLE: GFSK BT EDR(2Mbps): π /4-DQPSK BT EDR(3Mbps): 8-DPSK IEEE 802.11b: DSSS (CCK, QPSK, DBPSK) IEEE 802.11g/n (HT20/HT40): OFDM (64QAM, 16QAM, QPSK, BPSK) GSM/GPRS/EGPRS: GMSK, 8PSK WCDMA: QPSK LTE FDD: QPSK,16QAM attery or DC 5V from Adapter		
	Model: NB-A520A USBA-Z			
Adapter	Input:100~240V 5			
Αμαριοι	Output:DC 5V, 2000mA			
Battery	DC 3.85V from Battery			
HW Version	WMGNb			
SW Version	PSPCZ20A0 MX			
OVV VCISIOII	1 01 0220A0_IVIX			

Version.1.2 Page 7 of 22





#### 2.1.1 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Connect to PC
Mode 2	TF card Play
Mode 3	REC
Mode 4	BT
Mode 5	WIFI
Mode 6	GSM
Mode 7	WCDMA
Mode 8	LTE

For Conducted Test				
Final Test Mode Description				
Mode 1	Connect to PC			
Mode 2	TF card Play			
Mode 3	REC			
Mode 4	BT			
Mode 5	WIFI			
Mode 6	GSM			
Mode 7	WCDMA			
Mode 8	LTE			

For Radiated Test				
Final Test Mode	Description			
Mode 1	Connect to PC			
Mode 2	TF card Play			
Mode 3	REC			
Mode 4	BT			
Mode 5	WIFI			
Mode 6	GSM			
Mode 7	WCDMA			
Mode 8	LTE			

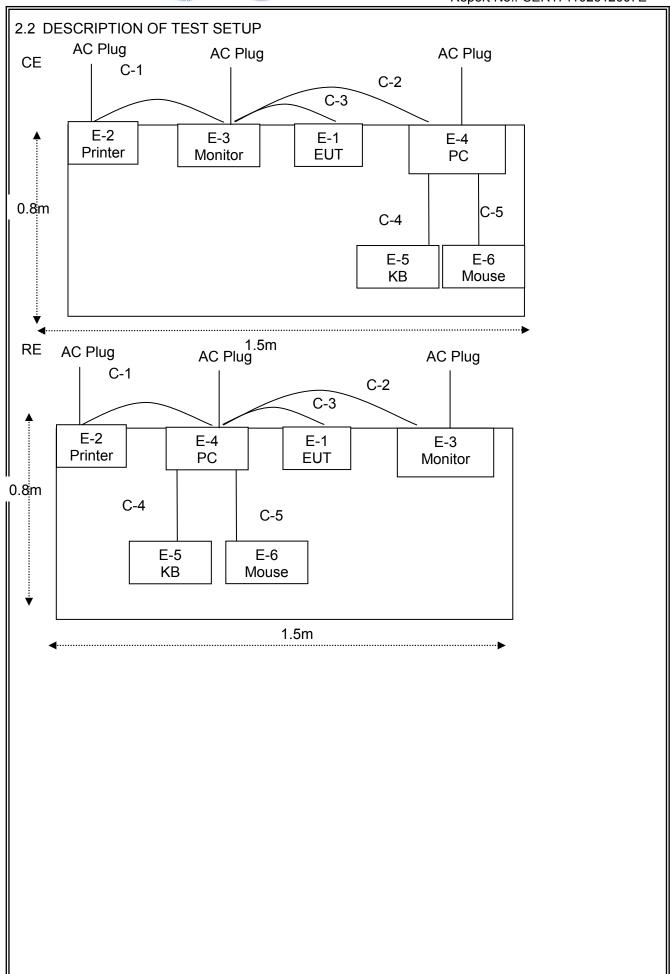
Note: Final Test Mode: Through Pre-scan, find the mode 1 is the worst case.

Only the worst case mode is recorded in the report.

Version.1.2 Page 8 of 22







Version.1.2 Page 9 of 22





#### 2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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.

14	E in a t	Dunind	Ma dal/Tira a Nia	Opvisa Na	N1-4-
Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	Smartphone	Polaroid	PSPCZ20A0	N/A	EUT
E-2	Printer	Canon	L11121E	LBP2900	Peripherals
E-3	Monitor	SHARP	LCD-32MS46A	09426089241597	Peripherals
E-4	Personal computer	DELL	FT4Y23X	34413561645	PC
E-5	KB	DELL	SK-8185	OY526KUS	
E-6	Mouse	DELL	MS111-P	cn-011d3v-71581-11e-1th 7	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	NO	NO	1.5m	
C-2	HDMI Cable	NO	NO	1.0m	
C-3	USB Cable	NO	NO	1.5m	
C-4	KB Cable	NO	NO	1.2m	
C-5	Mouse Cable	NO	NO	1.2m	

#### Note:

- (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" means "shielded" "with core"; "NO" means "unshielded" "without core".

Version.1.2 Page 10 of 22





## 2.4 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

Item		Manufacturer	Type No.	Serial No.	Last	Calibrated	Calibratio
	Equipment				calibration	until	n period
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2017.06.06	2018.06.05	1 year
2	Test Receiver	R&S	ESPI	101318	2017.06.06	2018.06.05	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2017.04.09	2018.04.08	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2017.06.06	2018.06.05	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2017.06.06	2018.06.05	1 year
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2017.04.09	2018.04.08	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2017.07.06	2018.07.05	1 year
8	Amplifier	EMC	EMC05183 5SE	980246	2017.08.09	2018.08.08	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2017.06.06	2018.06.05	1 year
10	Power Meter	DARE	RPR3006W	15I00041S NO84	2017.08.09	2018.08.08	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619. 05	2017.07.06	2018.07.05	1 year
12	Test Cable (30MHz-1GH z)	N/A	R-02	N/A	2017.04.21	2020.04.20	3 year
13	High Test Cable(1G-40 GHz)	N/A	R-03	N/A	2017.04.21	2020.04.20	3 year
14	High Test Cable(1G-40 GHz)	N/A	R-04	N/A	2017.04.21	2020.04.20	3 year

# Conduction Test equipment

Item	Kind of Equipment	Manufactu rer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
1	Test Receiver	R&S	ESCI	101160	2017.06.06	2018.06.05	1 year
2	LISN	R&S	ENV216	101313	2017.04.19	2018.04.18	1 year
3	LISN	SCHWAR ZBECK	NNLK 8129	8129245	2017.06.06	2018.06.05	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	620098370 4	2017.06.06	2018.06.05	1 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2017.04.21	2020.04.20	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2017.04.21	2020.04.20	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2017.04.21	2020.04.20	3 year

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

Version.1.2 Page 11 of 22





## 3. EMC EMISSION TEST

## 3.1 CONDUCTED EMISSION MEASUREMENT

## 3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	
0.50 -5.0	73.00	60.00	56.00	46.00	
5.0 -30.0	73.00	60.00	60.00	50.00	

#### Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

Version.1.2 Page 12 of 22

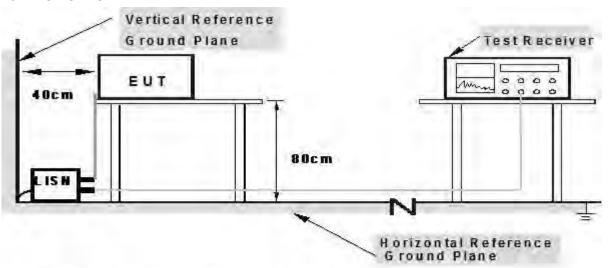




#### 3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

#### 3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

#### 3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

Version.1.2 Page 13 of 22





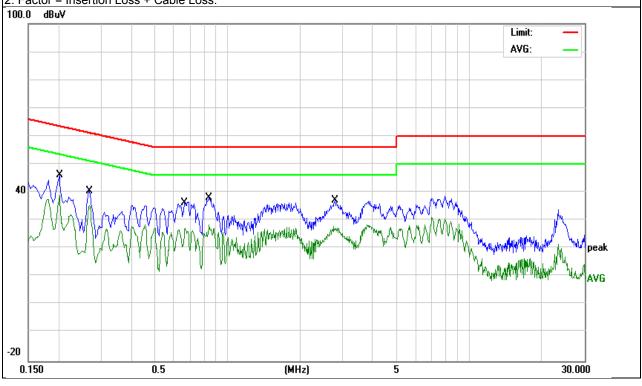
## 3.1.5 TEST RESULTS

EUT:	Smartphone	Model Name. :	PSPCZ20A0		
Temperature:	<b>25</b> ℃	Relative Humidity:	55%		
Pressure:	1010hPa	Test Date:	2017-11-02		
Test Mode:	Mode 1	Phase :	L		
Test Voltage:	DC 5V from PC AC120V/60Hz				

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domonic
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.2020	36.29	9.82	46.11	63.52	-17.41	QP
0.2020	28.99	9.82	38.81	53.52	-14.71	AVG
0.2700	30.61	9.82	40.43	61.12	-20.69	QP
0.2700	25.45	9.82	35.27	51.12	-15.85	AVG
0.6700	26.87	9.83	36.70	56.00	-19.30	QP
0.6700	17.41	9.83	27.24	46.00	-18.76	AVG
0.8419	28.08	9.88	37.96	56.00	-18.04	QP
0.8419	18.43	9.88	28.31	46.00	-17.69	AVG
2.7620	27.29	10.00	37.29	56.00	-18.71	QP
2.7620	17.91	10.00	27.91	46.00	-18.09	AVG

## Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.



Version.1.2 Page 14 of 22



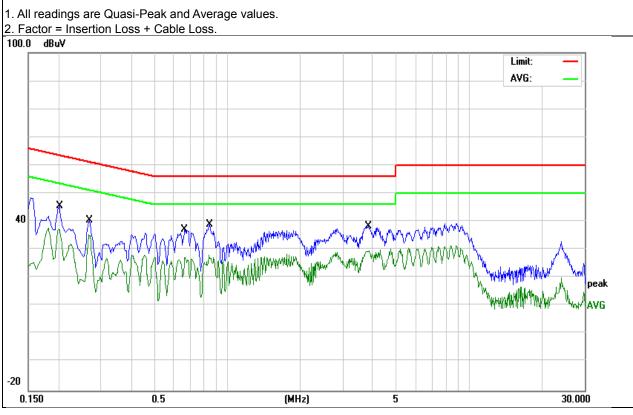




EUT:	Smartphone	Model Name. :	PSPCZ20A0		
Temperature:	<b>25</b> ℃	Relative Humidity:	55%		
Pressure:	1010hPa	Test Date:	2017-11-02		
Test Mode:	Mode 1	Phase :	N		
Test Voltage:	DC 5V from PC AC120V/60Hz				

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.2020	35.88	9.82	45.70	63.52	-17.82	QP
0.2020	27.37	9.82	37.19	53.52	-16.33	AVG
0.2660	30.48	9.82	40.30	61.24	-20.94	QP
0.2660	25.59	9.82	35.41	51.24	-15.83	AVG
0.6660	27.21	9.83	37.04	56.00	-18.96	QP
0.6660	17.48	9.83	27.31	46.00	-18.69	AVG
0.8459	28.92	9.88	38.80	56.00	-17.20	QP
0.8459	18.13	9.88	28.01	46.00	-17.99	AVG
3.8540	28.40	10.05	38.45	56.00	-17.55	QP
3.8540	19.68	10.05	29.73	46.00	-16.27	AVG

## Remark:



Page 15 of 22 Version.1.2

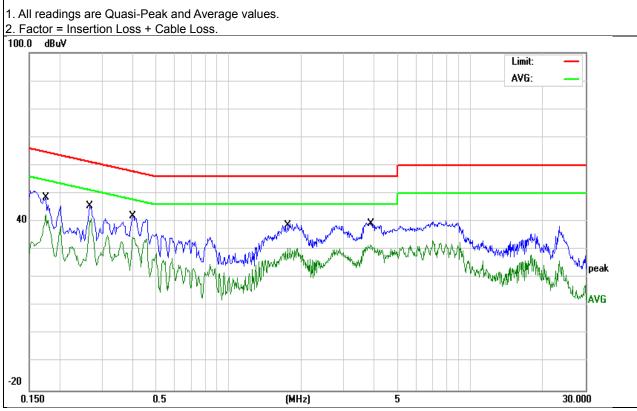




EUT:	Smartphone	Model Name. :	PSPCZ20A0		
Temperature:	25 ℃	Relative Humidity:	55%		
Pressure:	1010hPa	Test Date:	2017-11-02		
Test Mode:	Mode 1	Phase :	L		
Test Voltage:	DC 5V from PC AC240V/60Hz				

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1758	38.79	9.82	48.61	64.68	-16.07	QP
0.1758	32.72	9.82	42.54	54.68	-12.14	AVG
0.2700	35.61	9.82	45.43	61.12	-15.69	QP
0.2700	31.32	9.82	41.14	51.12	-9.98	AVG
0.4020	32.09	9.83	41.92	57.81	-15.89	QP
0.4020	24.49	9.83	34.32	47.81	-13.49	AVG
1.7580	29.46	9.86	39.32	56.00	-16.68	QP
1.7580	20.83	9.86	30.69	46.00	-15.31	AVG
3.8700	29.43	10.05	39.48	56.00	-16.52	QP
3.8700	21.61	10.05	31.66	46.00	-14.34	AVG

## Remark:



Page 16 of 22 Version.1.2



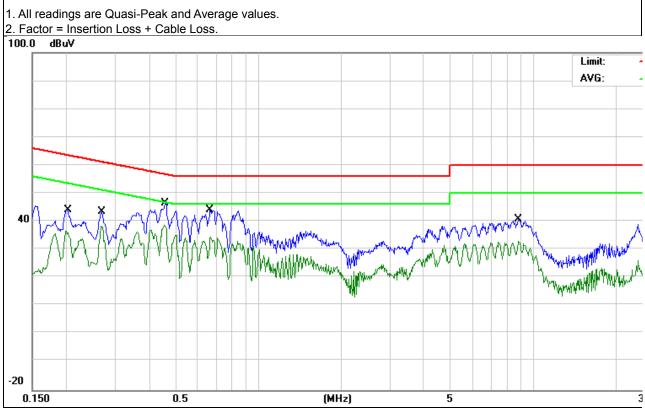




EUT:	Smartphone	Model Name. :	PSPCZ20A0		
Temperature:	<b>25</b> ℃	Relative Humidity:	55%		
Pressure:	1010hPa	Test Date:	2017-11-02		
Test Mode:	Mode 1	Phase :	N		
Test Voltage:	DC 5V from PC AC240V/60Hz				

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1995	34.38	9.82	44.20	63.63	-19.43	QP
0.1995	26.70	9.82	36.52	53.63	-17.11	AVG
0.2660	33.48	9.82	43.30	61.24	-17.94	QP
0.2660	28.59	9.82	38.41	51.24	-12.83	AVG
0.4540	36.67	9.83	46.50	56.80	-10.30	QP
0.4540	28.90	9.83	38.73	46.80	-8.07	AVG
0.6700	34.21	9.83	44.04	56.00	-11.96	QP
0.6700	24.48	9.83	34.31	46.00	-11.69	AVG
8.8299	30.76	9.97	40.73	60.00	-19.27	QP
8.8299	23.00	9.97	32.97	50.00	-17.03	AVG

#### Remark:



Page 17 of 22 Version.1.2



#### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)	
	dBuV/m	dBuV/m	
30 ~ 88	39.0	40.0	
88 ~ 216	43.5	43.5	
216 ~ 960	46.5	46.0	
Above 960	49.5	54.0	

#### Notes:

- (1) The limit for radiated test was performed according to as following: FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

#### 3.2.2 TEST PROCEDURE

Test Arrangement for Radiated Emissions up to 1 GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited test facility. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for quasi-peak detection (QP) at frequency below 1GHz.

Test Arrangement for Radiated Emissions above 1 GHz.

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength.Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Version.1.2 Page 18 of 22





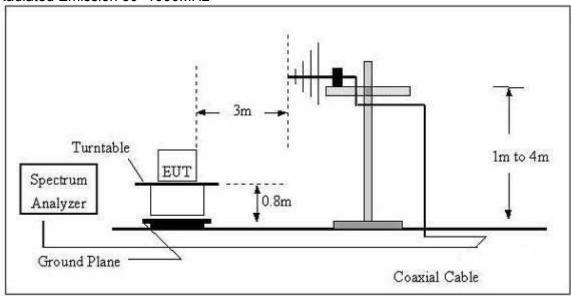
Note: For the hand-held device, the EUT should be measured for all 3 axes and only the wors case is recorded in the report

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

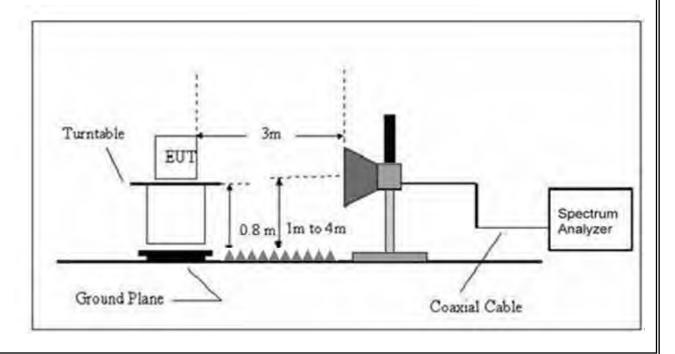
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth	
30 to 1000	30 to 1000 QP		300 kHz	
	Peak	1 MHz	1 MHz	
Above 1000	Avg	1 MHz	10 Hz	

## 3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



Version.1.2 Page 19 of 22





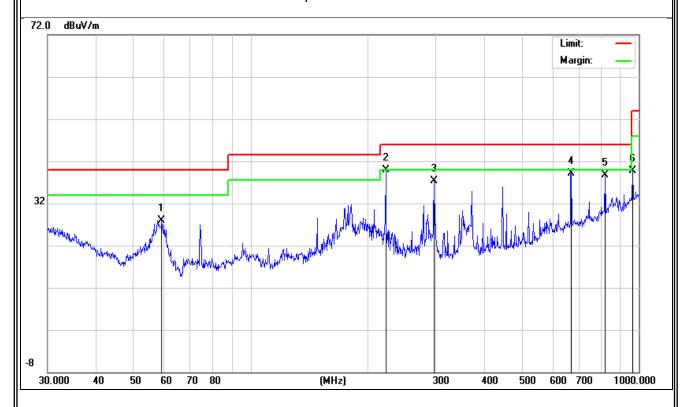
TEST RESULTS (30~1000 MHz)

EUT:	Smartphone	Model Name:	PSPCZ20A0			
Temperature:	25 ℃	Relative Humidity:	51%			
Pressure:	1010 hPa	Test Date :	2017-11-02			
Test Mode :	Mode 1	de 1 Polarization : Horiz				
Test Power:	DC 5V from Adapter AC120V/60Hz					

Polar (H/V) H H H H	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Roman
Н	59.0251	16.33	11.58	27.91	40.00	-12.09	QP
Н	222.9502	27.64	12.20	39.84	46.00	-6.16	QP
Н	297.2241	22.68	14.66	37.34	46.00	-8.66	QP
Н	670.4893	18.10	21.00	39.10	46.00	-6.90	QP
Н	818.8341	14.19	24.47	38.66	46.00	-7.34	QP
Н	965.5421	12.57	27.10	39.67	54.00	-14.33	QP

## Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



Version.1.2 Page 20 of 22



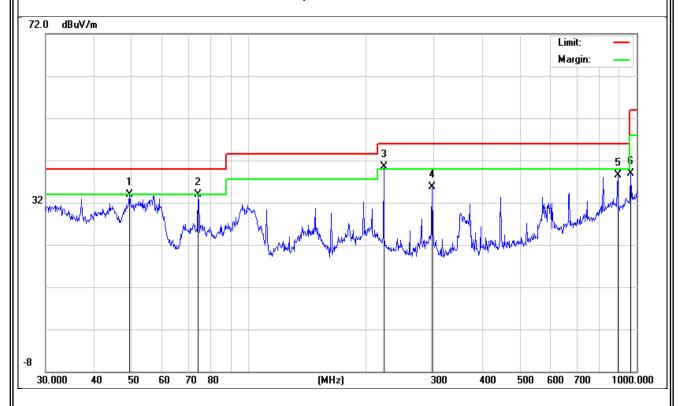


EUT:	Smartphone	Model Name :	PSPCZ20A0	
Temperature:	25 ℃	Relative Humidity:	51%	
Pressure:	1010 hPa	Test Date :	2017-11-02	
Test Mode:	Mode 1	Polarization :	Vertical	
Test Power: DC 5V from Adapter AC120V/60Hz				

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	49.3594	20.47	13.35	33.82	40.00	-6.18	QP
V	74.1351	23.14	10.79	33.93	40.00	-6.07	QP
V	222.9502	28.28	12.20	40.48	46.00	-5.52	QP
V	297.2241	21.06	14.66	35.72	46.00	-10.28	QP
V	893.8567	13.95	24.51	38.46	46.00	-7.54	QP
V	965.5421	11.79	27.10	38.89	54.00	-15.11	QP

# Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



Version.1.2 Page 21 of 22





# 3.2.5 TEST RESULTS(1000~6000MHz)

EUT:	Smartphone	Model Name :	PSPCZ20A0			
Temperature:	<b>25</b> ℃	Relative Humidity:	51%			
Pressure:	1010 hPa	Test Date :	2017-11-02			
Test Mode :	Mode 1					
Test Power:	DC 5V from Adapter AC120V/60Hz					

All the modulation modes have been tested, and the worst result was report as below:

Polar (H/V)	Frequenc		Correc t		Limit	Over Limit	Remark
	(MHz)	(dBuV/m	dB/m	(dBuV/m	(dBuV/m	(dB)	
V	1332	40.11	-10.3	29.82	74	-44.2	Pk
V	1332	30.7	-10.3	20.41	54	-33.6	AV
V	1878.92	39.93	-8	31.93	74	-42.1	Pk
V	1878.92	30.3	-8	22.3	54	-31.7	AV
V	4392.92	34.95	3	37.95	74	-36.1	Pk
V	4392.92	27.5	3	30.5	54	-23.5	AV
V	5217.42	33.9	4.71	38.61	74	-35.4	Pk
V	5217.42	27.1	4.71	31.81	54	-22.2	AV
Н	1332	43.14	-10.3	32.85	74	-41.2	Pk
Н	1332	31.7	-10.3	21.41	54	-32.6	AV
Н	2004.12	40.96	-7.81	33.15	74	-40.9	Pk
Н	2004.12	31.2	-7.81	23.39	54	-30.6	AV
Н	4569.54	34.82	3.78	38.6	74	-35.4	Pk
Н	4569.54	27.5	3.78	31.28	54	-22.7	AV
Н	4909.06	35.02	4.79	39.81	74	-34.2	Pk
Н	4909.06	27.8	4.79	32.59	54	-21.4	AV

## Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit Note: Only the worst results data points are reported in the report.

Version.1.2 Page 22 of 22