



# FCC Test Report FCC ID: 2ADWUPSPCK20NA

**Product:** Smartphone

Trade Mark: Polaroid

Model Number: PSPCK20NA

Serial Model: N/A

Report No.: SER171228604004E

#### **Prepared for**

ONE DIAMOND ELECTRONICS INC.

1450 Frazee Road, Suite 303, San Diego, CA 92108, United States.

#### 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 21





Applicant's name ...... ONE DIAMOND ELECTRONICS INC.

Report No.: SER171228604004E

# **TEST RESULT CERTIFICATION**

Address:	1450 Frazee Road, Suite 303, San Diego, CA 92108, United States.				
Manufacturer's Name:	HUIZHOU	MIKI COMMUNICATION EQUIPMENT CO.,LTD			
Address	No,39,gua district, hu	angtai rd, huinan hi-tech industrial park, zhongkai hi-tech iizhou city			
Product description					
Product name:	Smartpho	ne			
Model and/or type reference :	PSPCK20	NA			
Standards	FCC Part1 ANSI C63	15B .4:2014			
	n complian	sted by NTEK, and the test results show that the ce with Part 15 of FCC Rules. And it is applicable only to			
document may be altered or rev	-	t in full, without the written approval of NTEK, this FEK, personnel only, and shall be noted in the revision of			
the document.					
Date of Test	:				
Date (s) of performance of tests	:	28 Dec. 2017 ~ 15 Jan. 2018			
Date of Issue	:	15 Jan. 2018			
Test Result	:	Pass			
Testing Engine	er :	leke. Xie			
		(Lake Xie)			
Technical Ma	nager :	Jason chen			
		(Jason Chen)			
Authorized Si	gnatory:	Sam. Chen			
		(Sam Chen)			

Version.1.2 Page 2 of 21





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	8
2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL	9
2.4 MEASUREMENT INSTRUMENTS LIST	10
3 . EMC EMISSION TEST	11
3.1 CONDUCTED EMISSION MEASUREMENT	11
3.1.1 POWER LINE CONDUCTED EMISSION	11
3.1.2 TEST PROCEDURE	12
3.1.3 TEST SETUP 3.1.4 EUT OPERATING CONDITIONS	12 12
3.1.5 TEST RESULTS	13
3.2 RADIATED EMISSION MEASUREMENT	17
3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	17
3.2.2 TEST PROCEDURE	17
3.2.3 TEST SETUP	18
3.2.4 TEST RESULTS	19
3.2.5 TEST RESULTS(1000~6000MHz)	21

Version.1.2 Page 3 of 21





# 1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission							
Standard	Test Item	Limit	Judgment	Remark			
FCC Part15B ANSI C63.4: 2014	Conducted Emission	Class B	PASS				
	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 21





#### 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 21



# 2. GENERAL INFORMATION

# 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smartphone			
Trade Mark	Polaroid			
Model Name	PSPCK20NA			
Serial Model	N/A			
Model Difference	N/A			
	The EUT is a Smartpho	one.		
	Connecting I/O port:	USB, DC in		
	Operation Frequency:	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;		
Product Description		UMTS FDD Band V: TX826.4MHz~846.6MHz		
		/RX871.4MHz~891.6MHz;		
		UMTS FDD Band II:		
		TX1852.4MHz~1907.6MHz		
		/RX1932.4MHz~1987.6MHz;		
	Modulation Type:	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		
Power Source	DC 3.8V from battery or	DC 5V from adapter		
Adaptor	Input: AC 100~240V/50~60Hz, 0.2A			
Adapter				
Battery	DC 3.8V, 2000mAh			
HW Version	PCL217			
SW Version	PSPCK20NA_MX_V1.0			

Version.1.2 Page 6 of 21





#### 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

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			

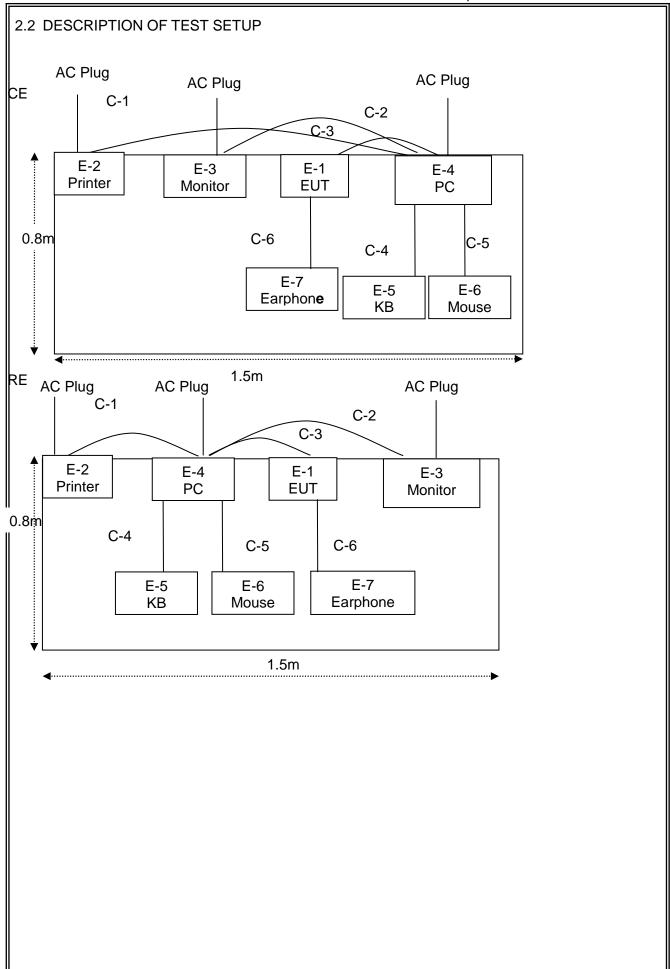
For Radiated Test				
Final Test Mode	Description			
Mode 1	Connect to PC			
Mode 2	TF card Play			
Mode 3	REC			
Mode 4	BT			
Mode 5	WIFI			
Mode 6	GSM			
Mode 7	WCDMA			

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 7 of 21







Version.1.2 Page 8 of 21





#### 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.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	Smartphone	Polaroid	PSPCK20NA	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
E-7	Earphone	N/A	DEM-79B	QZESDM1532001A01	

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	
C-6	Earphone 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 9 of 21





## 2.4 MEASUREMENT INSTRUMENTS LIST

Radiation Test equipment

Item	Kind of	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		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 10 of 21





## 3. EMC EMISSION TEST

## 3.1 CONDUCTED EMISSION MEASUREMENT

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

	Class A (dBuV)		Class B (dBuV)	
FREQUENCY (MHz)	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

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 11 of 21

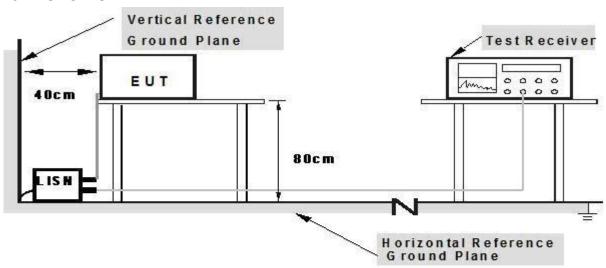




#### 3.1.2 TEST PROCEDURE

- 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 LISM.

2.Both of LISMs (AMM) 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 12 of 21



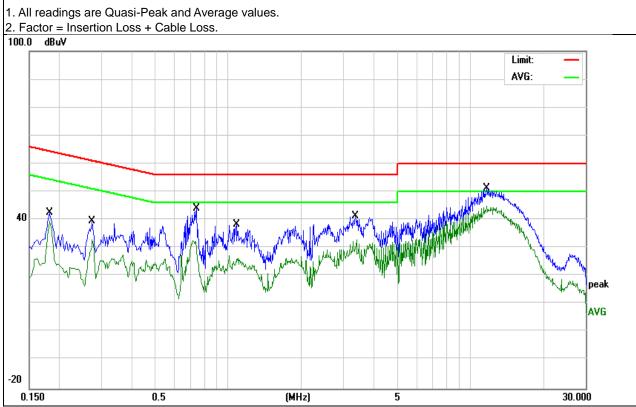


## 3.1.5 TEST RESULTS

EUT:	Smartphone	Model Name.:	PSPCK20NA	
Temperature:	26 ℃	Relative Humidity:	54%	
Pressure:	1010hPa	Test Date:	2018-1-06	
Test Mode:	Mode 1 Phase : L			
Test Voltage:	DC 5V from PC AC120V/60Hz			

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Б -
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1820	32.85	9.82	42.67	64.39	-21.72	QP
0.1820	29.34	9.82	39.16	54.39	-15.23	AVG
0.2740	29.66	9.82	39.48	60.99	-21.51	QP
0.2740	22.65	9.82	32.47	50.99	-18.52	AVG
0.7420	34.06	9.84	43.90	56.00	-12.10	QP
0.7420	13.06	9.84	22.90	46.00	-23.10	AVG
1.0820	28.42	9.92	38.34	56.00	-17.66	QP
1.0820	14.14	9.92	24.06	46.00	-21.94	AVG
3.3500	31.19	10.05	41.24	56.00	-14.76	QP
3.3500	19.18	10.05	29.23	46.00	-16.77	AVG
11.6899	41.13	10.06	51.19	60.00	-8.81	QP
11.6899	32.82	10.06	42.88	50.00	-7.12	AVG

## Remark:



Version.1.2 Page 13 of 21

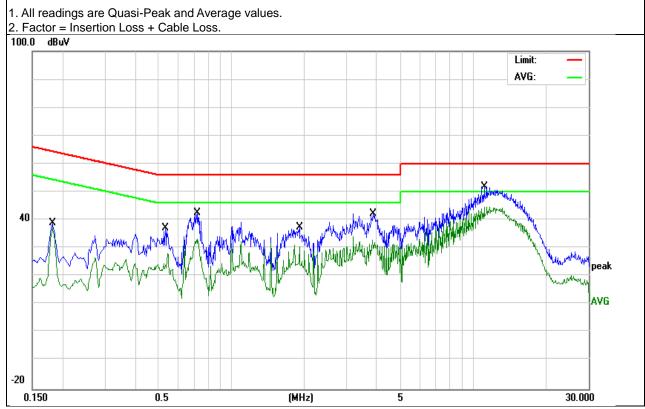




EUT:	Smartphone	Model Name. :	PSPCK20NA	
Temperature:	26 ℃	Relative Humidity:	54%	
Pressure:	1010hPa	Test Date:	2018-1-06	
Test Mode:	Mode 1 Phase : N			
Test Voltage:	DC 5V from PC AC120V/60Hz			

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domosti
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1820	28.96	9.92	38.88	64.39	-25.51	QP
0.1820	25.61	9.92	35.53	54.39	-18.86	AVG
0.5340	27.25	9.93	37.18	56.00	-18.82	QP
0.5340	12.99	9.93	22.92	46.00	-23.08	AVG
0.7260	32.61	9.93	42.54	56.00	-13.46	QP
0.7260	22.74	9.93	32.67	46.00	-13.33	AVG
1.9140	27.61	9.94	37.55	56.00	-18.45	QP
1.9140	15.54	9.94	25.48	46.00	-20.52	AVG
3.8660	32.34	9.95	42.29	56.00	-13.71	QP
3.8660	20.59	9.95	30.54	46.00	-15.46	AVG
11.1139	41.86	10.11	51.97	60.00	-8.03	QP
11.1139	30.62	10.11	40.73	50.00	-9.27	AVG

#### Remark:



Version.1.2 Page 14 of 21

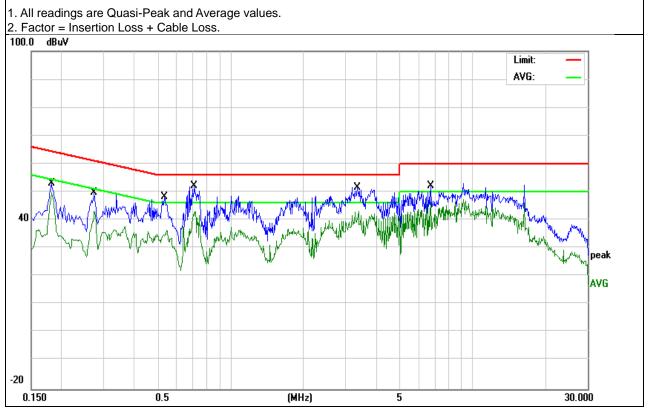




EUT:	Smartphone	Model Name. :	PSPCK20NA	
Temperature:	<b>26</b> ℃	Relative Humidity:	54%	
Pressure:	1010hPa	Test Date:	2018-1-06	
Test Mode:	Mode 1 Phase : L			
Test Voltage:	DC 5V from PC AC240V/60Hz			

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domorie
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1814	32.85	20.08	52.93	64.42	-11.49	QP
0.1814	29.34	20.08	49.42	54.42	-5.00	AVG
0.2726	29.66	20.08	49.74	61.04	-11.30	QP
0.2726	23.07	20.08	43.15	51.04	-7.89	AVG
0.5321	28.06	20.07	48.13	56.00	-7.87	QP
0.5321	14.79	20.07	34.86	46.00	-11.14	AVG
0.7084	31.93	20.13	52.06	56.00	-3.94	QP
0.7084	22.89	20.13	43.02	46.00	-2.98	AVG
3.3456	31.19	20.41	51.60	56.00	-4.40	QP
3.3456	19.65	20.41	40.06	46.00	-5.94	AVG
6.7332	31.71	20.37	52.08	60.00	-7.92	QP
6.7332	26.20	20.37	46.57	50.00	-3.43	AVG

## Remark:



Version.1.2 Page 15 of 21

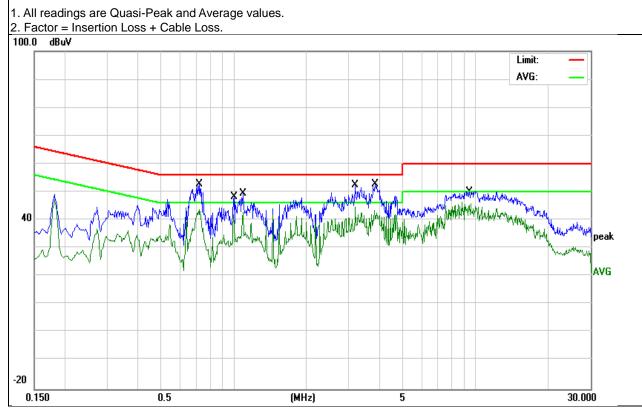




EUT:	Smartphone	Model Name. :	PSPCK20NA	
Temperature:	<b>26</b> ℃	Relative Humidity:	54%	
Pressure:	1010hPa	Test Date:	2018-1-06	
Test Mode:	Mode 1 Phase : N			
Test Voltage:	DC 5V from PC AC240V/60Hz			

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domosti
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.7236	32.61	20.14	52.75	56.00	-3.25	QP
0.7236	21.97	20.14	42.11	46.00	-3.89	AVG
1.0044	27.95	20.28	48.23	56.00	-7.77	QP
1.0044	21.71	20.28	41.99	46.00	-4.01	AVG
1.0939	29.19	20.27	49.46	56.00	-6.54	QP
1.0939	22.54	20.27	42.81	46.00	-3.19	AVG
3.1899	32.15	20.41	52.56	56.00	-3.44	QP
3.1899	21.75	20.41	42.16	46.00	-3.84	AVG
3.8603	32.34	20.42	52.76	56.00	-3.24	QP
3.8603	22.27	20.42	42.69	46.00	-3.31	AVG
9.4512	29.81	20.39	50.20	60.00	-9.80	QP
9.4512	25.54	20.39	45.93	50.00	-4.07	AVG

#### Remark:



Version.1.2 Page 16 of 21





#### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

	Class A (at 10m)	Class B (at 3m)	
FREQUENCY (MHz)	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 ar 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 17 of 21





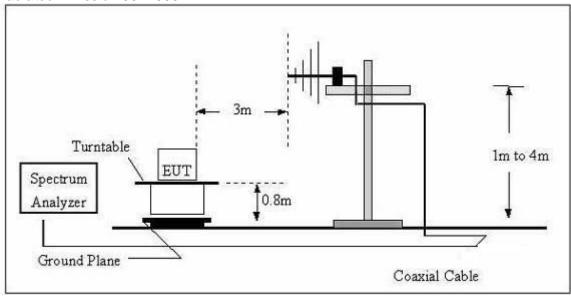
Note: For the hand-held device, the EUT should be measured for all 3 axes and only the wors case is recorded in the report

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

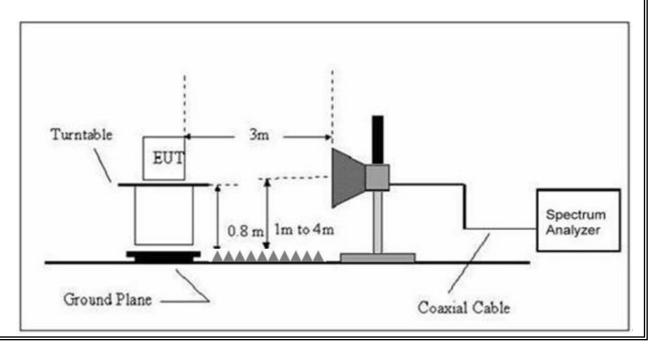
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth	
30 to 1000	QP	120 kHz	300 kHz	
	Peak	1 MHz	1 MHz	
Above 1000	Avg	1 MHz	10 Hz	

### 3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



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



Version.1.2 Page 18 of 21







## 3.2.4 TEST RESULTS

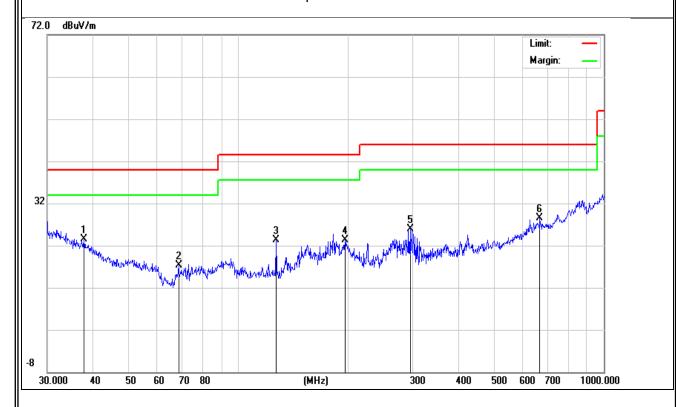
TEST RESULTS (30~1000 MHz)

	,				
EUT:	Smartphone	Model Name:	PSPCK20NA		
Temperature:	<b>24</b> °C	Relative Humidity:	54%		
Pressure:	1010 hPa	Test Date :	2018-1-06		
Test Mode:	Mode 1	Polarization:	Horizontal		
Test Power:	DC 5V from PC AC120V/60Hz				

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	reman
	37.8121	5.84	17.57	23.41	40.00	-16.59	QP
H H H H	68.6310	7.22	10.06	17.28	40.00	-22.72	QP
Н	126.7723	12.85	10.54	23.39	43.50	-20.11	QP
Н	195.8220	9.48	13.74	23.22	43.50	-20.28	QP
Н	295.1469	11.29	14.60	25.89	46.00	-20.11	QP
Н	668.1423	7.57	20.98	28.55	46.00	-17.45	QP

## Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



Version.1.2 Page 19 of 21



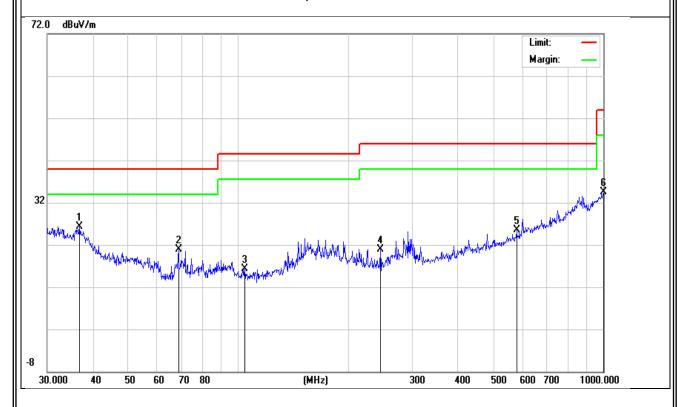


EUT:	Smartphone	Model Name :	PSPCK20NA
Temperature:	<b>24</b> ℃	Relative Humidity:	54%
Pressure:	1010 hPa	Test Date :	2018-1-06
Test Mode :	Mode 1	Polarization :	Vertical
Test Power:	DC 5V from PC AC120V/60Hz		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	36.7662	8.24	18.09	26.33	40.00	-13.67	QP
V	68.6310	10.76	10.06	20.82	40.00	-19.18	QP
V	104.1701	5.97	10.36	16.33	43.50	-27.17	QP
V	245.0900	8.89	11.94	20.83	46.00	-25.17	QP
V	578.6699	6.70	18.86	25.56	46.00	-20.44	QP
V	1000.0000	6.19	28.25	34.44	54.00	-19.56	QP

# Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



Version.1.2 Page 20 of 21





# 3.2.5 TEST RESULTS(1000~6000MHz)

EUT:	Smartphone	Model Name :	PSPCK20NA		
Temperature:	24 ℃	Relative Humidity:	54%		
Pressure:	1010 hPa	Test Date :	2018-1-06		
Test Mode:	Mode 1				
Test Power:	DC 5V from PC AC120V/60Hz				

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

Polar (H/V)	Frequenc y	Reading	Correct	Result	Limit	Over Limit	Remark
	(MHz)	(dBuV/m	dB/m	(dBuV/m	(dBuV/m	(dB)	
V	1087.50	48.62	-10.54	38.08	74.00	-35.92	Pk
V	1325.00	44.25	-10.37	33.88	74.00	-40.12	Pk
V	1712.50	43.42	-8.40	35.02	74.00	-38.98	Pk
V	2312.50	42.00	-6.23	35.77	74.00	-38.23	Pk
V	2975.00	42.74	-5.08	37.66	74.00	-36.34	Pk
V	4700.00	36.35	4.38	40.73	74.00	-33.27	Pk
Н	1100.00	45.81	-10.35	35.46	74.00	-38.54	Pk
Н	1325.00	43.62	-10.37	33.25	74.00	-40.75	Pk
Н	1712.50	42.45	-8.40	34.05	74.00	-39.95	Pk
Н	2600.00	41.80	-5.18	36.62	74.00	-37.38	Pk
Н	3987.50	38.98	-0.50	38.48	74.00	-35.52	Pk
Н	4875.00	36.89	4.71	41.60	74.00	-32.40	Pk

## 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 21 of 21