



# FCC RF Test Report

**APPLICANT** : OnePlus Technology (Shenzhen) Co., Ltd.  
**EQUIPMENT** : Mobile Phone  
**BRAND NAME** : 1+, ONEPLUS  
**MODEL NAME** : CPH2451  
**FCC ID** : 2ABZ2-AA516  
**STANDARD** : 47 CFR Part 2, 22, 27  
**CLASSIFICATION** : PCS Licensed Transmitter Held to Ear (PCE)  
**TEST DATE(S)** : Dec. 02, 2022

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Jason Jia



Approved by: Jason Jia

**Sporton International Inc. (ShenZhen)**

**1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055**

**People's Republic of China**



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### REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG2O2001M	Rev. 01	Initial issue of report	Dec. 21, 2022



## SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
-	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(5)	Effective Radiated Power (5G NR n5)	ERP < 7 Watt		
	§27.50(j)(3) §27.50 (k)(3)	Equivalent Isotropic Radiated Power (5G NR n78)	EIRP < 1Watt		
-	§27.50(j)(4) §27.50 (k)(4)	Peak-to-Average Ratio	<13 dB	PASS	-
-	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
-	§2.1051 §22.917(a) §27.53(l)(2) §27.53 (n)(2)	Conducted Band Edge Measurement (5G NR n5) (5G NR n78)	< 43+10log <sub>10</sub> (P[Watts])	PASS	-
-	§2.1051 §22.917(a) §27.53(l)(2) §27.53 (n)(2)	Conducted Spurious Emission (5G NR n5) (5G NR n78)	< 43+10log <sub>10</sub> (P[Watts])	PASS	-
-	§2.1055 §22.355 §27.54	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
			Within Authorized Band		
3.4	§2.1053 §22.917(a) §27.53(l)(2) §27.53 (n)(2)	Radiated Spurious Emission (5G NR n5) (5G NR n78)	< 43+10log <sub>10</sub> (P[Watts])	PASS	Under limit 40.23 dB at 11101.500 MHz

**Note:** The test items of inter band CA were cover by single carrier due to the CA power is reduced according to 3GPP MPR.

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



# 1 General Description

## 1.1 Applicant

**OnePlus Technology (Shenzhen) Co., Ltd.**

18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China.

## 1.2 Manufacturer

**OnePlus Technology (Shenzhen) Co., Ltd.**

18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China.

## 1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	1+, ONEPLUS
Model Name	CPH2451
FCC ID	2ABZ2-AA516
IMEI Code	Radiation : 864921060027531/864921060027523
HW Version	11
SW Version	OxygenOS 13.0
EUT Stage	Production Unit

## 1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n5 : 824 MHz ~ 849 MHz 5G NR n78: 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3800 MHz
Rx Frequency	5G NR n5 : 869 MHz ~ 894 MHz 5G NR n78: 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3800 MHz
Bandwidth	n5: 5MHz / 10MHz / 15MHz / 20MHz n78: 10MHz / 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
SCS	15kHz for n5 30kHz for n78
Uplink CA Bands	n5A-n78A
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

## 1.5 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.6 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

<b>Test Firm</b>	Sporton International Inc. (ShenZhen)		
<b>Test Site Location</b>	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	03CH01-SZ	CN1256	421272

### 1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24

### 1.8 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 2, 22, 27
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

**Remark:**

All test items were verified and recorded according to the standards and without any deviation during the test.




## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

Antenna port conducted and radiated test items are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

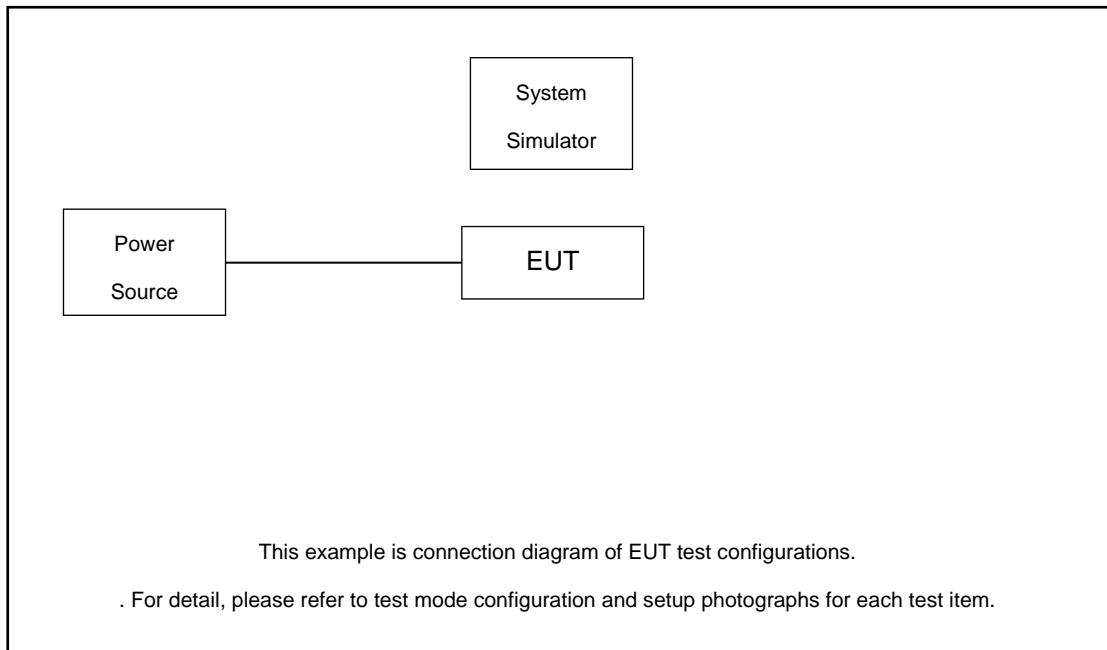
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

	X Plane	Y Plane	Z Plane
<b>Orthogonal Planes of EUT</b>			

Test Items	5G NR	Bandwidth (MHz)													Modulation				RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M
Radiated Spurious Emission	n5A-n78A	Worst Case																	v	v	v		
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Frequency Stability : Normal Voltage = 7.78V ; Low Voltage =6.60V. ; High Voltage =8.96V																						

## 2.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.

## 2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m





### 2.4 Frequency List of Low/Middle/High Channels

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G n78 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000		
	Frequency	3750		
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	3750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795



5G n78 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

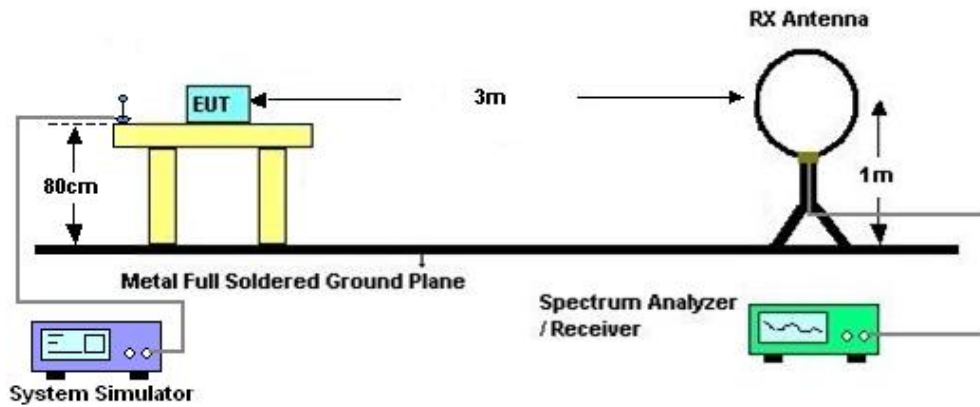
### 3 Radiated Test Items

#### 3.1 Measuring Instruments

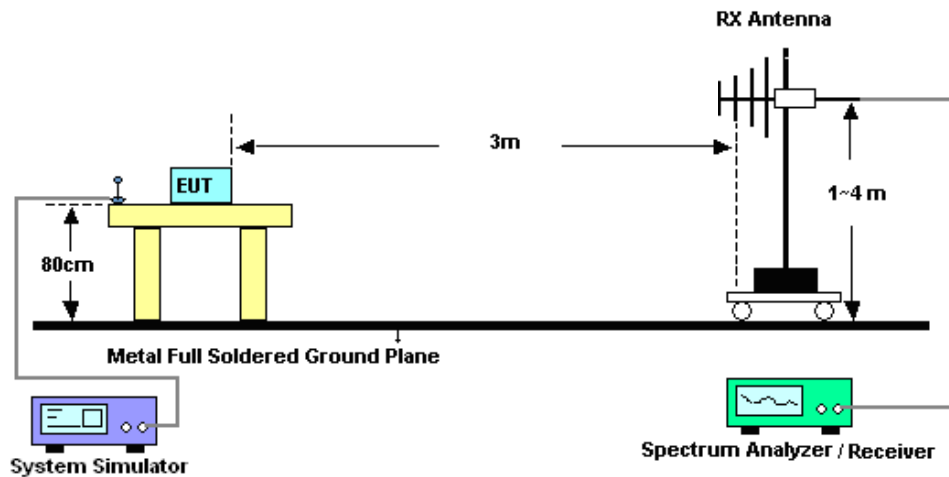
See list of measuring instruments of this test report.

#### 3.2 Test Setup

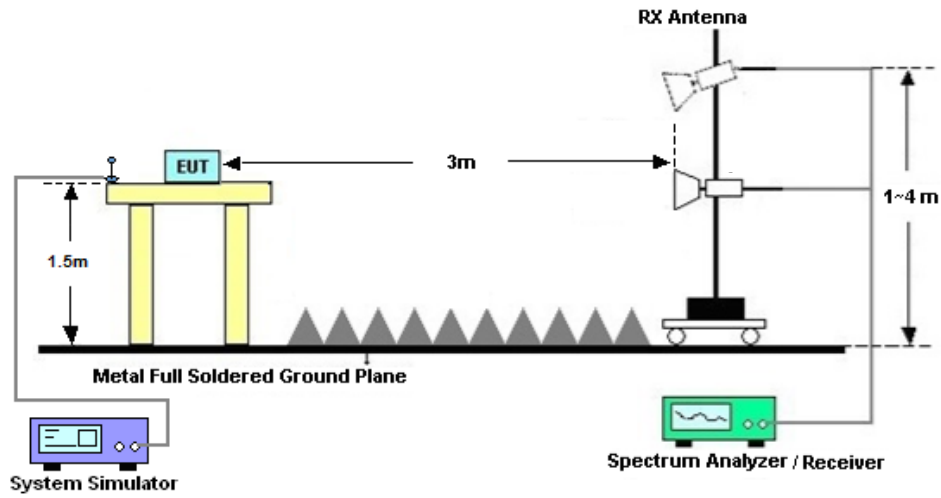
##### 3.2.1 For radiated test below 30MHz



##### 3.2.2 For radiated test from 30MHz to 1GHz



### 3.2.3 For radiated test above 1GHz



### 3.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix A.



## 3.4 Radiated Spurious Emission

### 3.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. 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.

### 3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10.  $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11.  $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.  
The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$   
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$   
 $= -13\text{dBm}.$
13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



## 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 27, 2021	Dec. 02, 2022	Dec. 26, 2022	Radiation (03CH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	Dec. 02, 2022	Jul. 06, 2023	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Dec. 02, 2022	Jul. 27, 2023	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Sep. 28, 2022	Dec. 02, 2022	Sep. 27, 2023	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 07, 2022	Dec. 02, 2022	Jul. 06, 2023	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 10, 2022	Dec. 02, 2022	Apr. 09, 2023	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 06, 2022	Dec. 02, 2022	Apr. 05, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 19, 2022	Dec. 02, 2022	Oct. 18, 2023	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 19, 2022	Dec. 02, 2022	Oct. 18, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	Dec. 02, 2022	Jul. 05, 2023	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Dec. 02, 2022	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Dec. 02, 2022	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Dec. 02, 2022	NCR	Radiation (03CH01-SZ)

NCR: No Calibration Required



## 5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.48dB
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.53dB
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.02dB
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----- THE END -----



# Appendix A. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

ULCA_n5A- n78A (ANT0+6)									
Channel	Frequency ( MHz )	EIRP/ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 BW 20MHz Lowest 1RB0,QPSK	1650	-69.02	-13	-56.02	-61.61	-72.25	3.98	9.36	H
	2475	-64.36	-13	-51.36	-63.01	-67.91	4.85	10.55	H
	3300	-62.74	-13	-49.74	-63.67	-67.67	5.50	12.58	H
	1650	-68.29	-13	-55.29	-61.52	-71.52	3.98	9.36	V
	2475	-63.51	-13	-50.51	-62.48	-67.06	4.85	10.55	V
	3300	-61.55	-13	-48.55	-63.37	-66.48	5.50	12.58	V
NR n78 BW 100MHz Lowest 1RB0,QPSK	6906.00	-58.86	-13	-45.86	-65.46	-62.19	8.25	11.58	H
	10359.00	-57.15	-13	-44.15	-68.91	-58.70	10.45	12.00	H
	13812.00	-56.14	-13	-43.14	-70.25	-57.85	11.74	13.45	H
	6906.00	-57.87	-13	-44.87	-65.75	-61.20	8.25	11.58	V
	10359.00	-54.70	-13	-41.70	-68.32	-56.25	10.45	12.00	V
	13812.00	-57.37	-13	-44.37	-70.33	-59.08	11.74	13.45	V
NR n5 BW 20MHz Middle 1RB0,QPSK	1654.5	-68.79	-13	-55.79	-61.38	-72.04	4.00	9.40	H
	2481.75	-64.27	-13	-51.27	-62.92	-67.84	4.88	10.60	H
	3309	-62.50	-13	-49.50	-63.52	-67.43	5.52	12.60	H
	1654.5	-68.40	-13	-55.40	-61.63	-71.65	4.00	9.40	V
	2481.75	-63.71	-13	-50.71	-62.68	-67.28	4.88	10.60	V
	3309	-61.66	-13	-48.66	-63.38	-66.59	5.52	12.60	V
NR n78 BW 100MHz Middle 1RB0,QPSK	6906.00	-59.17	-13	-46.17	-65.77	-62.47	8.30	11.60	H
	10359.00	-56.55	-13	-43.55	-68.31	-58.07	10.48	12.00	H
	13812.00	-55.81	-13	-42.81	-69.92	-57.51	11.80	13.50	H
	6906.00	-58.34	-13	-45.34	-66.22	-61.64	8.30	11.60	V
	10359.00	-54.76	-13	-41.76	-68.38	-56.28	10.48	12.00	V
	13812.00	-57.01	-13	-44.01	-69.97	-58.71	11.80	13.50	V
NR n5 BW 20MHz Highest 1RB0,QPSK	1660	-69.05	-13	-56.05	-61.70	-72.22	4.10	9.42	H
	2490	-64.13	-13	-51.13	-62.90	-67.71	4.90	10.63	H
	3320	-62.56	-13	-49.56	-63.58	-67.48	5.55	12.62	H
	1660	-68.57	-13	-55.57	-61.89	-71.74	4.10	9.42	V
	2490	-63.91	-13	-50.91	-62.94	-67.49	4.90	10.63	V
	3320	-61.81	-13	-48.81	-63.53	-66.73	5.55	12.62	V
NR n78 BW 100MHz Highest	6906.00	-59.50	-13	-46.50	-66.10	-62.80	8.32	11.62	H
	10359.00	-56.82	-13	-43.82	-68.58	-58.50	10.52	12.20	H
	13812.00	-56.17	-13	-43.17	-70.28	-57.87	11.85	13.55	H





1RB0,QPSK	6906.00	-58.14	-13	-45.14	-66.02	-61.44	8.32	11.62	V
	10359.00	-54.81	-13	-41.81	-68.43	-56.49	10.52	12.20	V
	13812.00	-57.14	-13	-44.14	-70.10	-58.84	11.85	13.55	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ULCA_ n5A- n78A (ANT0+6)									
Channel	Frequency ( MHz )	EIRP/ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 BW 20MHz Lowest 1RB0,QPSK	1650	-68.73	-13	-55.73	-61.32	-71.96	3.98	9.36	H
	2475	-64.36	-13	-51.36	-63.01	-67.91	4.85	10.55	H
	3300	-62.17	-13	-49.17	-63.10	-67.10	5.50	12.58	H
	1650	-68.10	-13	-55.10	-61.33	-71.33	3.98	9.36	V
	2475	-63.64	-13	-50.64	-62.61	-67.19	4.85	10.55	V
	3300	-61.39	-13	-48.39	-63.21	-66.32	5.50	12.58	V
NR n78 BW 100MHz Lowest 1RB0,QPSK	7401.00	-58.05	-13	-45.05	-66.46	-61.38	8.25	11.58	H
	11101.50	-55.32	-13	-42.32	-69.16	-56.87	10.45	12.00	H
	14802.00	-55.05	-13	-42.05	-70.67	-56.76	11.74	13.45	H
	7401.00	-58.11	-13	-45.11	-66.49	-61.44	8.25	11.58	V
	11101.50	-53.23	-13	-40.23	-69	-54.78	10.45	12.00	V
14802.00	-54.75	-13	-41.75	-70.65	-56.46	11.74	13.45	V	
NR n5 BW 20MHz Middle 1RB0,QPSK	1654.5	-68.85	-13	-55.85	-61.44	-72.10	4.00	9.40	H
	2481.75	-64.28	-13	-51.28	-62.93	-67.85	4.88	10.60	H
	3309	-62.03	-13	-49.03	-63.05	-66.96	5.52	12.60	H
	1654.5	-68.59	-13	-55.59	-61.82	-71.84	4.00	9.40	V
	2481.75	-63.41	-13	-50.41	-62.38	-66.98	4.88	10.60	V
3309	-61.56	-13	-48.56	-63.28	-66.49	5.52	12.60	V	
NR n78 BW 100MHz Middle 1RB0,QPSK	7401.00	-58.09	-13	-45.09	-66.50	-61.39	8.30	11.60	H
	11101.50	-55.60	-13	-42.60	-69.44	-57.12	10.48	12.00	H
	14802.00	-55.22	-13	-42.22	-70.84	-56.92	11.80	13.50	H
	7401.00	-58.20	-13	-45.20	-66.58	-61.50	8.30	11.60	V
	11101.50	-53.63	-13	-40.63	-69.4	-55.15	10.48	12.00	V
	14802.00	-54.34	-13	-41.34	-70.24	-56.04	11.80	13.50	V
NR n5 BW 20MHz Highest 1RB0,QPSK	1660	-68.98	-13	-55.98	-61.63	-72.15	4.10	9.42	H
	2490	-64.34	-13	-51.34	-63.11	-67.92	4.90	10.63	H
	3320	-62.40	-13	-49.40	-63.42	-67.32	5.55	12.62	H
	1660	-68.45	-13	-55.45	-61.77	-71.62	4.10	9.42	V
	2490	-63.75	-13	-50.75	-62.78	-67.33	4.90	10.63	V
	3320	-61.89	-13	-48.89	-63.61	-66.81	5.55	12.62	V
NR n78 BW 100MHz Highest 1RB0,QPSK	7401.00	-58.09	-13	-45.09	-66.50	-61.39	8.32	11.62	H
	11101.50	-55.47	-13	-42.47	-69.31	-57.15	10.52	12.20	H
	14802.00	-54.79	-13	-41.79	-70.41	-56.49	11.85	13.55	H
	7401.00	-58.03	-13	-45.03	-66.41	-61.33	8.32	11.62	V
	11101.50	-53.74	-13	-40.74	-69.51	-55.42	10.52	12.20	V
	14802.00	-54.85	-13	-41.85	-70.75	-56.55	11.85	13.55	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.