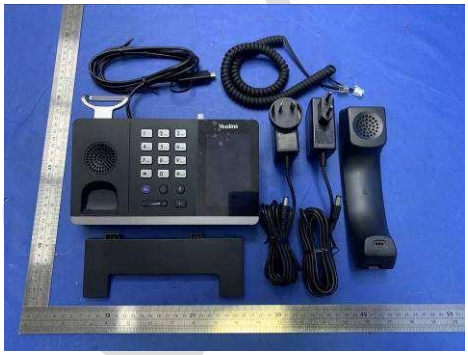
TEST REPORT

Applicant	Power India Services
Address	New Delhi-110092

Manufacturer or Supplier	XYZ-TECHNOLOGY CO., LTD.
Address	P.R. China.
Product	Business USB Phone (XXXXXXXX)
Brand Name	**XXXXXX**
Model	**XXXXXXXX**
Additional Model & Model Difference	N/A
Date of tests	Aug. 10, 2020 ~ Dec. 21, 2020



The submitted sample of the above equipment has been tested according to the requirements of the following standard:

☒ **EN 300 328 V2.2.2 (2019-07)**
☒ **AS/NZS 4268: 2017**

CONCLUSION: The submitted sample was found to <u>COMPLY</u> with the test requirement

Tested by Lucas Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
Lucas	Date: Jan. 04, 2021

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RE2008WDG0036	Original release	Jan. 04, 2021

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

EN 300 328 V2.2.2		
Clause	**Test Parameter**	**Results**
	Transmitter Parameters	
4.3.1.2	RF Output Power	Pass
4.3.1.3	Duty cycle, Tx-sequence, Tx-gap (Non-adaptive equipment)	Not Applicable
4.3.1.4	Accumulated Transmit Time, Frequency Occupation and Hopping Sequence (FHSS equipment)	Pass
4.3.1.5	Hopping Frequency Separation (FHSS equipment)	Pass
4.3.1.6	Medium Utilisation (Non-Adaptive Equipment)	Not Applicable
4.3.1.7	Adaptivity (Adaptive Equipment)	Not Applicable (Note)
4.3.1.8	Occupied Channel Bandwidth	Pass
4.3.1.9	Transmitter Unwanted Emission in the OOB Domain	Pass
4.3.1.10	Transmitter Unwanted Emissions in the Spurious Domain	Pass
4.3.1.13	Geo-location capability	Not Applicable
	Receiver Parameters	
4.3.1.11	Receiver Spurious Emissions	Pass
4.3.1.12	Receiver Blocking	Pass

Note: These requirements do not apply for equipment with a maximum declared RF Output power of less than 10 dBm EIRP or for equipment when operating in a mode where the RF Output power is less than 10 dBm EIRP.

1.1 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 17,21
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Mar. 17,21
Bilog Antenna	Teseq	CBL 6111D	30643	May 29,21
Horn Antenna	ETS-Lindgren	3117	00062558	May 29,21
GPS Generator+ Antenna	TOJOIN	GNSS-5000A	E1-010119	N/A
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	May 22,21
Test Software	ADT	ADT_Radiated_V 7.6.15.9.2	N/A	N/A
Horn Antenna (15GHz-40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170147	May 09, 21
Amplifier	Burgeon	BPA-530	100220	Mar. 14,21
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	May 08,21
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Mar. 03,21
Power Sensor	Keysight	U2021XA	MY55060016	N/A
Power Sensor	Keysight	U2021XA	MY55060018	Jun. 03,21
Digital Multimeter	FLUKE	15B	A1220009DG	Aug. 05,21
Humid & Temp Programmable Tester	Haida	HD-2257	110807201	Oct.30,21
Oscilloscope	Agilent	DSO9254A	MY51260160	Aug. 10,21
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	May 13, 21
Spectrum Analyzer	Keysight	N9020A	MY55400499	Mar. 17,21
Signal Generator	Agilent	N5183A	MY50140980	Aug. 10,21
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Sep. 04,21
Wireless Connectivity Tester	Rohde&Schwarz	CMW270	100908	Sep. 26,21
Vector Signal Generator	Rohde&Schwarz	SMBV100A	257579	Sep. 04,21
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	N/A
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A

NOTES:

1. The test was performed in 966 Chamber and RF Oven room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.

For Receiver Blocking test and Adaptivity test:

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Wireless Connectivity Tester	Rohde&Schwarz	CMW270	100908	Sep. 26,21
Signal Analyzer	Rohde&Schwarz	FSV7	102331	May 13, 21
Spectrum Analyzer	Keysight	N9020A	MY55400499	Mar. 17,21
Signal Generator	Agilent	N5183A	MY50140980	Aug. 10,21
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Sep. 04,21
Power Sensor	Keysight	U2021XA	MY55060016	N/A
Power Sensor	Keysight	U2021XA	MY55060018	Jun. 03,21
Vector Signal Generator	Rohde&Schwarz	SMBV100A	257579	Sep. 04,21
Agile Signal Generator	Agilent	8645A	Agilent	N/A
Shield Box	TOJOIN	MS4345-C	SZA18A 3038	N/A
Attenuator	TOJOIN	CHB-8-90-1-B 50SMA	0803002	N/A
COM Power Splitter	TOJOIN	PS-TX-2B	020801	N/A
COM Power Splitter	TOJOIN	PS-TX-2B	020802	N/A
Test sofware	TonScend	JS1120-3-1	JS-001	N/A

NOTES:

1. The test was performed in RF Oven room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

1.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameter	Uncertainty
Occupied Channel Bandwidth	±1.132 %
RF output power, conducted	±0.56dB
Power Spectral Density, conducted	±1.017dB
Unwanted Emissions, conducted	±1.017dB
All emissions, radiated	±4.84dB
Temperature	±0.23°C
Supply voltages	±0.1 %
Time	±4 %

1.3 MAXIMUM MEASUREMENT UNCERTAINTY

For the test methods, according to ETSI EN 300 328 standard, the measurement uncertainty figures shall be calculated in accordance with ETR 100 028-1 [4] and shall correspond to an expansion factor (coverage factor) k = 1,96 or k = 2 (which provide confidence levels of respectively 95 % and 95,45 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).

Maximum measurement uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±1,5 dB
Power Spectral Density, conducted	±3 dB
Unwanted Emissions, conducted	±3 dB
All emissions, radiated	±6 dB
Temperature	±3 °C
Supply voltages	±3 %
Time	±5 %

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Business USB Phone
BRAND	XXXX
TEST MODEL	XXXXXX
ADDITIONAL MODEL	N/A
NOMINAL VOLTAGE	DC 12V from Adapter
OPERATING TEMPERATURE RNAGE	-10 ~ +50℃
MODULATION TECHNOLOGY	FHSS
MODULATION TYPE	GFSK, π/4 DQPSK, 8DPSK
OPERATING FREQUENCY	**2402MHz ~ 2480MHz**
NUMBER OF CHANNEL	79
ADAPTIVE/NON-ADAPTIVE	☐ non-adaptive Equipment ☒ adaptive Equipment without the possibility to switch to a non-adaptive mode ☐ adaptive Equipment which can also operate in a non-adaptive mode
EIRP POWER (MAX.)	7.35dBm
ANTENNA TYPE	PCB Antenna, 3dBi Gain
DATA CABLE SUPPLIED	USB Cable: Shielded, Non-detachable, 185cm Handset Line: Shielded, Detachable, 330cm

Notes:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.
2. For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 2008WDG0036-1) for detailed product photo.
4. The EUT were powered by the following adapters and the only difference is the type of plug, full test was performed for adapter 1.

ADAPTER 1	
BRAND:	Yealink
MODEL:	YLPS121000C-EU
INPUT:	AC 100-240V, 50/60Hz 0.5A
OUTPUT:	DC 12V, 1A 12W
DC LINE:	Unshielded, Non-detachable 2.45m
ADAPTER 2	
BRAND:	Yealink
MODEL:	YLPS121000C-AU
INPUT:	AC 100-240V, 50/60Hz 0.5A
OUTPUT:	DC 12V, 1A 12W
DC LINE:	Unshielded, Non-detachable 2.45m