



TEST REPORT

APPLICANT	:	MeiG Smart Technology Co., Ltd
PRODUCT NAME	:	CPE
MODEL NAME	:	SLT719
BRAND NAME	:	MEIGLink
FCC ID	:	2APJ4-SLT719
STANDARD(S)	:	47 CFR Part 22 Subpart H 47 CFR Part 24 Subpart E 47 CFR Part 27 Subpart L
RECEIPT DATE	:	2021-12-14
TEST DATE	:	2021-12-22 to 2021-01-05
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Edited by:

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DIRECTORY

1. Technical Information 3
1.1. Applicant and Manufacturer Information 3
1.2. Equipment Under Test (EUT) Description 3
1.3. Maximum E.R.P./E.I.R.P. and Emission Designator 4
1.4. Test Standards and Results 5
1.5. Environmental Conditions
2. 47 CFR Part 2, Part 22H , 24E&27L Requirements ······ 7
2.1. Conducted RF Output Power 7
2.2. Peak to Average Ratio 9
2.3. Occupied Bandwidth ······12
2.4. Frequency Stability
2.5. Conducted Out of Band Emissions18
2.6. Band Edge ·······21
2.7. Determining E.R.P. and/or E.I.R.P. from conducted RF output power measurements 23
2.8. Radiated Out of Band Emissions25
Annex A Test Uncertainty
Annex B Testing Laboratory Information

Change History			
Version Date Reason for change			
1.0 2022-01-17		First edition	







1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	MeiG Smart Technology Co., Ltd	
Applicant Address	2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong	
Applicant Address:	Street,Bao'an District,Shenzhen	
Manufacturer:	MeiG Smart Technology Co., Ltd	
Manufacturer Address	2nd Floor,Office Building,No.5 Lingxia Road,Fenghuang,Fuyong	
Manufacturer Address:	Street,Bao'an District,Shenzhen	

1.2. Equipment Under Test (EUT) Description

Product Name:	CPE			
Sample No.:	1#			
Hardware Version:	719_V1.01			
Software Version:	SLT719B_TSER_2	.0.2_EQ101		
	WCDMA Mode with QPSK Modulation			
Modulation Type:	HSDPA Mode with	QPSK Modulation		
Modulation Type.	HSUPA Mode with	QPSK Modulation		
	HSPA+ Mode with	16QAM Modulation		
		Tx: 824MHz-849MHz		
		Rx: 869MHz-894MHz		
Operating Frequency Range:		Tx: 1850MHz-1910MHz		
		Rx: 1930MHz-1990MHz		
Antenna Type:	Fixed External Ante	enna		
Antonno Coini	WCDMA Band V:	0.50dBi		
Antenna Gain:	WCDMA Band II:	2.00dBi		
	AC Adapter			
	Brand Name:	SUNUN		
Accessory Information:	Model No.:	SA12V-120100U		
	Serial No.:	N/A		
	Rated Output:	11.4V-12.6V=1.0A		
	Rated Input:	100-240V~50/60Hz, 0.4A		
	Manufacturer:	Dongguan Sunun Power Co., Ltd.		



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- Note 1: The transmitter (Tx) frequency arrangement of the WCDMA Band V used by the EUT can be represented with the formula F(n)=826.4+0.2*(n-4132), 4132<=n<=4233; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 4132 (826.4MHz), 4182(836.4MHz) and 4233 (846.6MHz).
- **Note 2:** The transmitter (Tx) frequency arrangement of the WCDMA IV band used by the EUT can be represented with the formula F(n)=1712.4+0.2*(n-1312), 1312<=n<=1513; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 1312 (1712.4MHz), 1413 (1732.6MHz) and 1513 (1752.6MHz).
- Note 3: The transmitter (Tx) frequency arrangement of the WCDMA Band II used by the EUT can be represented with the formula F(n)=1852.4+0.2*(n-9262), 9262<=n<=9538; the lowest, middle and highest channel numbers (ARFCHs) used and tested in this report are separately 9262 (1852.4MHz), 9400 (1880MHz) and 9538 (1907.6MHz).
- Note 4: All test modes and data rates were considered and evaluated respectively by performing full test. Test modes are chosen to be reported as the worst case below:
 WCDMA mode for WCDMA band V;
 WCDMA mode for WCDMA band IV;
 WCDMA mode for WCDMA band II;
- **Note 5:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

Test Mode	Maximum E.R.P./E.I.R.P. (W)	Emission Designator
WCDMA Band V	0.151	4M14F9W
WCDMA Band II	0.299	4M12F9W







1.4. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 2, Part 22, Part 24 and Part 27 for the EUT FCC ID Certification:

No.	Identity	Document Title	
1	47 CEP Part 2 (10, 1, 12 Edition)	Frequency Allocations and Radio Treaty Matters;	
1	47 CFR Part 2 (10-1-12 Edition)	General Rules and Regulations	
2	47 CFR Part 22 (10-1-12 Edition)	Public Mobile Services	
3	47 CFR Part 24 (10-1-12 Edition)	Personal Communications Services	
4	47 CFR Part 27 (10-1-12 Edition) Miscellaneous Wireless Communications Service		

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Test Date	Test Engineer	Result	Method determination/ Remark
1	2.1046	Conducted RF Output Power	Jan 05, 2022	Xie Yiyun Li Huaijie	PASS	No deviation
2	24.232(d)	Peak -Average Ratio	Dec 20, 2021	Li Huaijie	PASS	No deviation
3	2.1049	Occupied Bandwidth	Dec 20, 2021	Li Huaijie	PASS	No deviation
4	2.1055, 22.355, 24.235, 27.54	Frequency Stability	Dec 27, 2021	Li Huaijie	PASS	No deviation
5	2.1051, 22.917(a), 24.238(a), 27.53(h)	Conducted Out of Band Emissions	Dec 20, 2021	Li Huaijie	PASS	No deviation
6	2.1051, 22.917(a), 24.238(a), 27.53(h)	Band Edge	Dec 20, 2021	Li Huaijie	PASS	No deviation
7	22.913(a), 24.232(c) 27.50(d)	Transmitter Radiated Power (EIPR/E.R.P.)	Jan 05, 2022	Li Huaijie	PASS	No deviation
8	2.1051, 22.917(a),	Radiated Out of Band	Jan 02, 2022	Yin Xiaogang	PASS	No deviation



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24.238(a),	Emissions		
27.53(h)			

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03r01 and ANSI/TIA-603-E-2016.

Note 2: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 24.5dB contains two parts that cable loss 14.5dB and Attenuator 10dB.

Note 3: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 4: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106









2.47 CFR Part 2, Part 22H , 24E&27L Requirements

2.1. Conducted RF Output Power

2.1.1.Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

2.1.2.Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.







2.1.3.Test Results

WCDMA Band V	Average Power (dBm)		
TX Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2Kbps	22.85	22.93	22.81
HSDPA Subtest-1	22.11	21.92	21.97
HSDPA Subtest-2	22.07	21.99	21.96
HSDPA Subtest-3	21.50	21.54	21.50
HSDPA Subtest-4	21.53	21.47	21.53
HSUPA Subtest-1	22.04	22.01	21.92
HSUPA Subtest-2	21.50	21.42	21.37
HSUPA Subtest-3	22.10	22.07	21.99
HSUPA Subtest-4	22.00	22.05	22.01
HSUPA Subtest-5	22.07	22.10	21.97
HSPA+ (16QAM) Subtest-1	22.81	22.83	22.82

WCDMA Band II	Average Power (dBm)		
TX Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2Kbps	22.65	22.76	22.55
HSDPA Subtest-1	21.32	21.18	21.28
HSDPA Subtest-2	21.28	21.24	21.24
HSDPA Subtest-3	20.66	20.71	20.76
HSDPA Subtest-4	20.67	20.70	20.76
HSUPA Subtest-1	21.31	21.26	21.29
HSUPA Subtest-2	20.81	20.78	20.70
HSUPA Subtest-3	21.20	21.17	21.19
HSUPA Subtest-4	21.21	21.25	21.16
HSUPA Subtest-5	21.16	21.13	21.15
HSPA+ (16QAM) Subtest-1	22.23	22.21	22.22



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2.2. Peak to Average Ratio

2.2.1.Requirement

According to FCC 24.232(d) and 27.50(d), the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

2.2.2.Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.

2.2.3.Test procedure

- 1 .For GSM/EDGE operating mode:
- a. Set RBW=1MHz, VBW=3MHz, peak detector in spectrum analyzer.
- b. Set EUT in maximum output power, and triggered the bust signal.
- c. Measured respectively the peak level and mean level, and the deviation was recorded as Peak to Average ratio.
- 2. For UMTS operating mode:
- a. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
- b. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%.







2.2.4.Test Result

The lowest, middle and highest channels are selected to perform testing to verify the conducted RF output peak power of the Module.

A. Test Verdict:

WCDMA Band II					
Mode	Channel	Frequency (MHz)	Peak to Average ratio (dB)	Limit (dB)	Verdict
	9262	1852.4	2.96		PASS
WCDMA	9400	1880.0	3.03	13	PASS
	9538	1907.6	2.95		PASS



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2.3. Occupied Bandwidth

2.3.1.Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.3.2.Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.



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2.3.3.Test Result

WCDMA Band V				
Mode	Channel	Frequency	99% Occupied Bandwidth	26dB Bandwidth
mouo	onamo	(MHz)	(MHz)	(MHz)
	4132	826.4	4.12	4.71
WCDMA	4182	836.4	4.14	4.72
	4233	846.6	4.12	4.70

WCDMA Band II				
Mode	Channel	Frequency	99% Occupied Bandwidth	26dB Bandwidth
mode	onanioi	(MHz)	(MHz)	(MHz)
	9262	1852.4	4.10	4.70
WCDMA	9400	1880.0	4.12	4.73
	9538	1907.6	4.12	4.71



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2.4. Frequency Stability

2.4.1.Requirement

According to FCC section 22.355, 24.235 and 27.54 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

(a) The temperature is varied from-30°C to +50°C at intervals of not more than 10°C.

(b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from 0°C to 45°C, which are specified by the applicant.

2.4.2.Test Description

Test Setup:



The EUT, which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS via a Common Antenna.







2.4.3.Test Result

The nominal, highest and lowest extreme voltages are separately 12.00V, 16.00V and 4.60V, which are specified by the applicant; the normal temperature here used is 20°C.

WCDMA Band V, CH4182, 836.4MHz							
	Limit =±2.5ppm						
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result		
100		+20(Ref)	-32	-0.038			
100		0	54	0.065			
100		+10	-16	-0.019			
100	12.00	+20	-32	-0.038			
100		+30	-59	-0.071	PASS		
100		+40	15	0.018			
100		+45	-48	-0.057			
115	16.00	+20	-43	-0.051]		
85	4.60	+20	-18	-0.022			

WCDMA Band II, CH9400, 1880.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100		+20(Ref)	43	0.023	
100		0	-19	-0.010	
100		+10	39	0.021	
100	12.00	+20	45	0.024	
100		+30	-53	-0.028	PASS
100		+40	32	0.017	
100		+45	-33	-0.018	
115	16.00	+20	31	0.016	
85	4.60	+20	48	0.026	



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2.5. Conducted Out of Band Emissions

2.5.1.Requirement

According to FCC section 22.917(a), 24.238(a) and 27.53(h) the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency.

2.5.2.Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.



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2.5.3.Test Result





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2.6.1.Requirement

According to FCC section 22.917(a), 24.238(a) and 27.53(h) the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB.

2.6.2.Test Description

Test Setup:



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the SS.







2.6.3.Test Result

The lowest and highest channels are tested to verify the band edge emissions.





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2.7. Determining E.R.P. and/or E.I.R.P. from conducted RF output power measurements

2.7.1.Requirement

According to FCC section 22.913, the Effective Radiated Power (E.R.P.) of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

According to FCC section 24.232, the broadband PCS mobile station is limited to 2 Watts e.i.r.p. peak power.

According to FCC section 27.50, mobile, and portable (hand-held) stations is limited to 1 Watts e.i.r.p. peak power.

2.7.2.Test Description

The test setups refer to section 2.1.3

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power (i.e. GSM850MHz band Power Control Level (PCL) = 5/19 and Power Class = 4, GSM1900MHz band Power Control Level (PCL) = 0/15 and Power Class = 1), and only the test result of the maximum output power was recorded. Please refer to section 2.1.3 of this report.

The relevant equation for determining the maximum E.R.P. or E.I.R.P. from the measured RF output power is given in Equation (1) as follows:

E.R.P. or E.I.R.P. = $P_{Meas} + G_T$ Where:

E.R.P. or E.I.R.P. effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as P_{Meas}, e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

 G_T gain of the transmitting antenna, in dBd (E.R.P.) or dBi (E.I.R.P.)

For devices utilizing multiple antennas, see ANSI C63.25-2015 6.4 for guidance with respect to determining the effective array transmit antenna gain term to be used in the above equation. The following equations demonstrate the mathematical relationship between E.R.P. and E.I.R.P.: a) E.R.P. = E.I.R.P. – 2.15, where E.R.P. and E.I.R.P. are expressed in consistent units. b) E.I.R.P. = E.R.P. + 2.15, where E.R.P. and E.I.R.P. are expressed in consistent units.







2.7.3.Test Result

WCDMA Band V							
	Channel	Frequency	Measure	ed E.R.P.	Lin	nit	Manallat
вапо	Channel	(MHz)	dBm	W	dBm	W	veraict
	4132	826.4	21.70	0.148			PASS
WCDMA	4182	836.4	21.78	0.151	38.5	7	PASS
	4233	846.6	21.66	0.147			PASS
	4132	826.4	20.96	0.125			PASS
HSDPA	4182	836.4	20.84	0.121	38.5	7	PASS
	4233	846.6	20.82	0.121			PASS
	4132	826.4	20.95	0.124			PASS
HSUPA	4182	836.4	20.95	0.124	38.5	7	PASS
	4233	846.6	20.86	0.122			PASS
	4132	826.4	21.66	0.147	20 E	7	PASS
HSPA+	4182	836.4	21.68	0.147	38.5	1	PASS
	4233	846.6	21.67	0.147			PASS
Noto 1 · E	or the USD	ADI 12H bac AC	mode all the subt	ests were tested ar	nd just t		ret data

Note 1: For the HSDPA and HSUPA mode, all the subtests were tested and just the worst data were recorded in this report.

WCDMA Band II							
Band	Frequency		Measured	Measured E.I.R.P.			Vardiat
Danu	Channel	(MHz)	dBm	W	dBm	W	verdict
	9262	1852.4	24.65	0.292			PASS
WCDMA	9400	1880.0	24.76	0.299	33	2	PASS
	9538	1907.6	24.55	0.285			PASS
	9262	1852.4	23.32	0.215			PASS
HSDPA	9400	1880.0	23.24	0.211	33	2	PASS
	9538	1907.6	23.28	0.213			PASS
	9262	1852.4	23.31	0.214			PASS
HSUPA	9400	1880.0	23.26	0.212	33	2	PASS
	9538	1907.6	23.29	0.213			PASS
	9262	1852.4	24.23	0.265			PASS
HSPA+	9400	1880.0	24.21	0.264	33	2	PASS
	9538	1907.6	24.22	0.264			PASS
Note 1: Fo	or the HSDPA	A and HSUPA m	node, all the subtes	sts were tested	and just t	he wo	rst data









2.8. Radiated Out of Band Emissions

2.8.1.Requirement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency.

2.8.2.Test Description



(For the test frequency from 30MHz to1GHz)



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(For the test frequency above 1GHz)

The EUT is located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading. A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360° to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter. **Note:** When doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.8.3.Test Procedure

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements.







2.8.4.Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.

The substitution corrections are obtained as described below:

ASUBST = PSUBST TX - PSUBST RX - LSUBST CABLES + GSUBST TX ANT

 $A_{TOT} = L_{CABLES} + A_{SUBST}$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

P_{SUBST TX} is signal generator level,

PSUBST RX is receiver level,

L_{SUBST CABLES} is cable losses including TX cable,

G_{SUBST TX ANT} is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

During the test, the data of A_{TOT} was added in the test spectrum analyze, so spectrum analyze reading is the final values which contain the data of A_{TOT} .

Note1: The power of the EUT transmitting frequency should be ignored.

Note2: All test mode and condition mentioned were considered and evaluated respectively by performing full test, only the worst data were recorded and reported.

Note3: All spurious emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note4: N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.















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Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test Items	Uncertainty
Output Power	±2.22dB
Bandwidth	±5%
Conducted Spurious Emission	±2.77dB
Radiated Emission	±2.95dB

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







Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.		
	FL.3, Building A, FeiYang Science Park, No.8 LongChang		
Laboratory Address:	Road, Block 67, BaoAn District, ShenZhen, GuangDong		
	Province, P. R. China		
Telephone:	+86 755 36698555		
Facsimile:	+86 755 36698525		

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
	FL.3, Building A, FeiYang Science Park, No.8 LongChang
Address:	Road, Block 67, BaoAn District, ShenZhen, GuangDong
	Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.







4. Test Equipments Utilized

4.1 Conducted Test Equipments

Equipment Name	Serial No.	Туре	Manufacturer	Cal. Date	Due Date
Power Splitter	NW521	1506A	Weinschel	N/A	N/A
Attenuator 1	N/A	10dB	Resnet	N/A	N/A
Attenuator 2	N/A	3dB	Resnet	N/A	N/A
EXA Signal Analzyer	MY51511149	N9020A	Agilent	2021.07.26	2022.07.25
System Simulator	6200995016	MT8820C	Anritsu	2021.10.21	2022.10.20
RF cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial cable	CB02	RF02	Morlab	N/A	N/A
SMA connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Temperature Chamber	20171112102	HZ-2019	Dongguan Lixian Instrument Technology Co., Ltd	2021.10.20	2022.10.19
Computer	T430i	Think Pad	Lenovo	N/A	N/A
Software Version: N	/lorlab FCC Test	System V2.8	3		

4.2 List of Software Used

Description	Manufacturer	Software Version
Morlab FCC Test System	MORLAB	V2.8
MORLAB EMCR V1.2	MORLAB	V1.0







4.3 Radiated Test Equipments

Equipment Name	Serial No.	Туре	Manufacturer	Cal. Date	Due Date
System Simulator	152038	CMW500	R&S	2021.10.21	2022.10.20
Receiver	MY54130016	N9038A	Agilent	2021.07.16	2022.07.15
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2019.05.24	2022.05.23
Test Antenna - Horn	9170C-531	BBHA9170	Schwarzbeck	2019.07.26	2022.07.25
Test Antenna - Horn	01774	BBHA 9120D	Schwarzbeck	2019.07.26	2022.07.25
Coaxial cable (N male) (9kHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-40GHz)	CB05	EMC05	Morlab	N/A	N/A
1-18GHz pre-Amplifier	61171/61172	S020180L32 03	Tonscend	2021.07.15	2022.07.14
18-26.5GHz pre-Amplifier	46732	S10M100L38 02	Tonscend	2021.07.15	2022.07.14
26-40GHz pre-Amplifier	56774	S40M400L40 02	Tonscend	2021.07.15	2022.07.14
Notch Filter	N/A	WRCGV-W Band V	Wainwright	2021.07.15	2022.07.14
Notch Filter	N/A	WRCGV-W Band II	Wainwright	2021.07.15	2022.07.14
Notch Filter	N/A	WRCGV-W Band IV	Wainwright	2021.07.15	2022.07.14







Equipment Name	Serial No.	Туре	Manufacturer	Cal. Date	Due Date
Anechoic Chamber	N/A	9m*6m*6m	CRT	2019.07.13	2022.07.12

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