

## RADIO TEST REPORT FCC ID: 2AUX4-MC6-1550

Product: Skylle Trade Mark: N/A Model No.: MC6-1550 Family Model: N/A Report No.: S19082400105001 Issue Date: 29 Nov. 2019

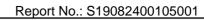
## **Prepared for**

SHENZHEN MICROMULTICOPTER CO.LTD MMC Tech Park, YIHE Road No.1, SHILONG Community, BAOAN District, Shenzhen, Guangdong Province, China

## Prepared by

SHENZHEN NTEK TESTING TECHNOLOGY CO., LTD. 1/F, Building E, Fenda Science Park Sanwei, Xixiang, Bao'an District Shenzhen, Guangdong, People's Republic of China Tel.: +86-755-6115 6588 Fax.: +86-755-6115 6599 Website:http://www.ntek.org.cn





## TABLE OF CONTENTS

ACCREDITED

Certificate #4298.01

1	TE	ST RESULT CERTIFICATION	3
2	SUI	MMARY OF TEST RESULTS	4
3	FA	CILITIES AND ACCREDITATIONS	5
	3.1 3.2 3.3	FACILITIES LABORATORY ACCREDITATIONS AND LISTINGS MEASUREMENT UNCERTAINTY	5
4	GE	NERAL DESCRIPTION OF EUT	6
5	DE	SCRIPTION OF TEST MODES	8
6	SET	FUP OF EQUIPMENT UNDER TEST	10
	6.1 6.2 6.3	BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM SUPPORT EQUIPMENT EQUIPMENTS LIST FOR ALL TEST ITEMS	
7	TES	ST REQUIREMENTS	13
	7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8	CONDUCTED EMISSIONS TEST RADIATED SPURIOUS EMISSION	15 24 27 29 32 34



**TEST RESULT** 

Complied

## **1 TEST RESULT CERTIFICATION**

Applicant's name:	SHENZHEN MICROMULTICOPTER CO.LTD	
Address:	MMC Tech Park, YIHE Road No.1, SHILONG Community, BAOAN District, Shenzhen, Guangdong Province,China	
Manufacturer's Name:	Shenzhen Kebit Aviation Technology Co., Ltd	
Address:	2/F, Building 1, Jindahua Industrial Park, No. 1 Yihe Road, Shilong Community, Shiyan Street, Bao'an District, Shenzhen, China	
Product description		
Product name:	Skylle	
Model and/or type reference:	MC6-1550	
Family Model:	N/A	

Measurement Procedure Used:

#### APPLICABLE STANDARDS

APPLICABLE STANDARD/ TEST PROCEDURE

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

KDB 174176 D01 Line Conducted FAQ v01r01

ANSI C63.10-2013

KDB 558074 D01 15.247 Meas Guidance v05r02

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of Shenzhen NTEK Testing Technology Co., Ltd., this document may be altered or revised by Shenzhen NTEK Testing Technology Co., Ltd., personnel only, and shall be noted in the revision of the document.

The test results of this report relate only to the tested sample identified in this report.

Date of Test	Date of Test         28 Aug. 2019 ~ 29 Nov. 2019		
Testing Engineer	:	Dollan Lin	
		(Allen Liu)	
Technical Manager	:	Jason chen	
0		(Jason Chen)	
		Sam. Chew	
Authorized Signatory	:		
		(Sam Chen)	



FCC Part15 (15.247), Subpart C				
Standard Section	Test Item	Verdict	Remark	
15.207	Conducted Emission	N/A		
15.247 (a)(2)	6dB Bandwidth	PASS		
15.247 (b)	Peak Output Power	PASS		
15.209 (a) 15.205 (a)	Radiated Spurious Emission	PASS		
15.247 (e)	Power Spectral Density	PASS		
15.247 (d)	Band Edge Emission	PASS		
15.247 (d)	Spurious RF Conducted Emission	PASS		
15.203	Antenna Requirement	PASS		

Remark:

 "N/A" denotes test is not applicable in this Test Report.
 All test items were verified and recorded according to the standards and without any deviation during the test.



## **3 FACILITIES AND ACCREDITATIONS**

#### 3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at 1/F, Building E, Fenda Science Park Sanwei, Xixiang, Bao'an District Shenzhen, Guangdong, People's Republic of China The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

#### 3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description				
CNAS-Lab.	: The Laboratory has been assessed and proved to be in compliance with			
	CNAS-CL01:2006 (identical to ISO/IEC 17025:2005)			
	The Certificate Registration Number is L5516.			
IC-Registration	The Certificate Registration Number is 9270A.			
	CAB identifier:CN0074			
FCC- Accredited	Test Firm Registration Number: 463705.			
	Designation Number: CN1184			
A2LA-Lab.	The Certificate Registration Number is 4298.01			
	This laboratory is accredited in accordance with the recognized			
	International Standard ISO/IEC 17025:2005 General requirements for			
	the competence of testing and calibration laboratories.			
	This accreditation demonstrates technical competence for a defined			
	scope and the operation of a laboratory quality management system			
	(refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).			
Name of Firm	: SHENZHEN NTEK TESTING TECHNOLOGY CO., LTD.			
Site Location	: 1/F, Building E, Fenda Science Park Sanwei, Xixiang, Bao'an District			
	Shenzhen, Guangdong, People's Republic of China			

#### 3.3 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	±2.80dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(30MHz~1GHz)	±2.64dB
5	All emissions, radiated(1GHz~6GHz)	±2.40dB
6	All emissions, radiated(>6GHz)	±2.52dB
7	Temperature	±0.5°C
8	Humidity	±2%



## 4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment	Skylle			
Trade Mark	N/A			
FCC ID	2AUX4-MC6-1550			
Model No.	MC6-1550			
Family Model	N/A			
Model Difference	N/A			
Operating Frequency	2406MHz~2466MHz			
Modulation	QPSK			
Number of Channels	7 Channels			
Antenna Type	External Antenna			
Antenna Gain	3dBi			
Power supply	DC supply: DC 50V from Battery			
	Adapter supply:			
HW Version	V1.0			
SW Version	TSCE0410A			

ACO

Certificate #4298.01

Note: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.



Revision History					
Report No.	Version	Description	Issued Date		
S19082400105001	Rev.01	Initial issue of report	Nov 29, 2019		

ACCREDITED

Certificate #4298.01



## 5 DESCRIPTION OF TEST MODES

NTEK 北测

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.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (10Mbps for QPSK modulation) were used for all test.

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

Carrier Frequency and Channel list:

Channel	Frequency (MHz)
01	2406
02	2416
03	2426
04	2436
05	2446
06	2456
07	2466



The following summary table is showing all test modes to demonstrate in compliance with the standard.

	Test Cases		
Test Item	Data Rate/ Modulation		
rest item	TX-2.4G/QPSK		
	Mode 1: normal link mode		
Radiated Test	Mode 2: Tx 2.4G Ch01_2406MHz_10Mbps		
Cases	Mode 3: Tx 2.4G Ch04_2436MHz_10Mbps		
	Mode 4: Tx 2.4G Ch07_2466MHz_10Mbps		
Conducted Test	Mode 2: Tx 2.4G Ch01_2406MHz_10Mbps		
Conducted Test	Mode 3: Tx 2.4G Ch04_2436MHz_10Mbps		
Cases	Mode 4: Tx 2.4G Ch07_2466MHz_10Mbps		

Note:

- 1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.
- 2. AC power line Conducted Emission was tested under maximum output power.
- 3. For radiated test cases, the worst mode data rate 10Mbps QPSK CH01 was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.
- 4. EUT is set to continuous transmission mode. duty cycle greater than 98%.

〈北测	ACCREDITED Certificate #4298.01

<b>NTEK北</b> 派	ACCREDITED Certificate #4298.01	Report No.: S1	9082400105001		
6 SETUP OF EQUIPMENT UNDER TEST					
6.1 BLOCK DIAGRAM CONFIG	GURATION OF TEST SYSTE	И			
EUT					
For Conducted Test Cases					
C-1					
Measurement	EUT				
Note:The temporary antenna con	nector is soldered on the Exte	rnal board in order to p	erform conducted tests		
and this temporary antenna conn					



#### 6.2 SUPPORT EQUIPMENT

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	Mfr/Brand	Model/Type No.	Series No.	Note

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	RF Cable	YES	NO	0.1m

#### Notes:

- (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 [Length] column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".

# **NTEK北**测



#### 6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

#### Radiation& Conducted Test equipment

	Ind Conducted	ooroquipinoin					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2019.05.13	2020.05.12	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2019.08.28	2020.08.27	1 year
3	Spectrum Analyzer	Agilent	E4440A	MY41000130	2019.05.13	2020.05.12	1 year
4	Spectrum Analyzer	R&S	FSV40	101417	2019.08.28	2020.08.27	1 year
5	Test Receiver	R&S	ESPI7	101318	2019.05.13	2020.05.12	1 year
6	Bilog Antenna	TESEQ	CBL6111D	31216	2019.04.15	2020.04.14	1 year
7	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2018.05.19	2020.05.18	2 year
8	Horn Antenna	EM	EM-AH-1018 0	2011071402	2019.04.15	2020.04.14	1 year
9	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2018.12.11	2019.12.10	1 year
10	Amplifier	EMC	EMC051835 SE	980246	2019.08.06	2020.08.05	1 year
11	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2018.12.11	2019.12.10	1 year
12	Power Meter	DARE	RPR3006W	15I00041SN 084	2019.08.06	2020.08.05	1 year
13	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2017.04.21	2020.04.20	3 year
14	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2017.04.21	2020.04.20	3 year
15	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2017.04.21	2020.04.20	3 year
16	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2017.04.21	2020.04.20	3 year
17	Filter	TRILTHIC	2400MHz	29	2017.04.19	2020.04.18	3 year
18	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

ACC

Certificate #4298.01

Note:

We will use the temporary antenna connector (soldered on the External board) When conducted test And this temporary antenna connector is listed within the instrument list



## 7 TEST REQUIREMENTS

#### 7.1 CONDUCTED EMISSIONS TEST

#### 7.1.1 Applicable Standard

According to FCC Part 15.207(a) and KDB 174176 D01 Line Conducted FAQ v01r01

#### 7.1.2 Conformance Limit

	Conducted Emission Limit		
Frequency(MHz)	Quasi-peak	Average	
0.15-0.5	66-56*	56-46*	
0.5-5.0	56	46	
5.0-30.0	60	50	

Note: 1. \*Decreases with the logarithm of the frequency

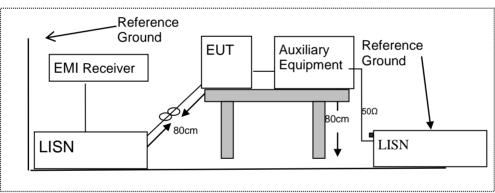
2. The lower limit shall apply at the transition frequencies

3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### 7.1.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.1.4 Test Configuration



#### 7.1.5 Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
- 2. The EUT was placed on a table which is 0.8m above ground plane.
- 3. Connect EUT 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.
- 4. 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 40cm long.
- 5. 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.
- 6. LISN at least 80 cm from nearest part of EUT chassis.
- 7. The frequency range from 150KHz to 30MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
- 9. For the actual test configuration, please refer to the related Item –EUT Test Photos. Margin=Measure-ment-Limits, Measure-ment=Reading level+Correct Factor



## 7.1.6 Test Results

EUT:	Skylle	Model Name :	MC6-1550
Temperature:	<b>26</b> ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N/A
Test Voltage :	N/A	Test Mode:	N/A

Note: Not Applicable, This product is powered by battery.



#### 7.2 RADIATED SPURIOUS EMISSION

#### 7.2.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and ANSI C63.10-2013

#### 7.2.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). According to FCC Part15.205, Restricted bands

According to 1 CC 1 art 13.203, Restlicted bands					
MHz	MHz MHz		GHz		
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15		
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46		
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75		
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5		
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2		
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5		
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7		
6.26775-6.26825	123-138	2200-2300	14.47-14.5		
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2		
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4		
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12		
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0		
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8		
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5		
12.57675-12.57725	322-335.4	3600-4400	(2)		
13.36-13.41					

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Restricted Frequency(MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Measurement Distance
0.009~0.490	2400/F(KHz)	20 log (uV/m)	300
0.490~1.705	24000/F(KHz)	20 log (uV/m)	30
1.705~30.0	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

Frequency(MHz)	Class B (dBuV/m) (at 3M)		
	PEAK	AVERAGE	
Above 1000	74	54	

Remark :1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. For Frequency 9kHz~30MHz: Distance extrapolation factor =40log(Specific distance/ test distance)(dB); Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz: Distance extrapolation factor =20log(Specific distance/ test distance)(dB); Limit line=Specific limits(dBuV) + distance extrapolation factor.

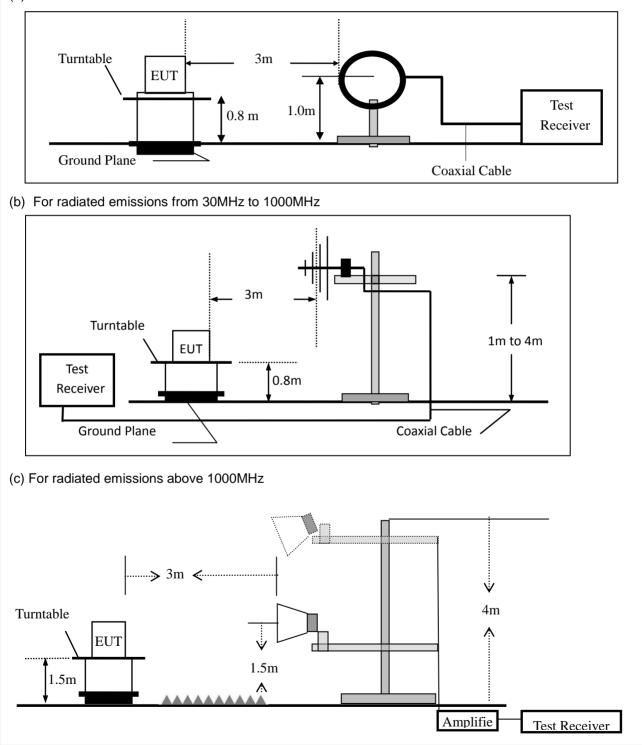


#### 7.2.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.2.4 Test Configuration

#### (a) For radiated emissions below 30MHz





#### 7.2.5 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

Spectrum Parameter	Setting		
Attenuation	Auto		
Start Frequency	1000 MHz		
Stop Frequency	10th carrier harmonic		
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average		

Receiver Parameter	Setting		
Attenuation	Auto		
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP		
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP		
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP		

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- g. For the actual test configuration, please refer to the related Item –EUT Test Photos. Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported



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			
Above 1000	Peak	1 MHz	1 MHz			
Above 1000	Average	1 MHz	10 Hz			

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10\*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

#### 7.2.6 Test Results

	Spurious	Emission	below	30MHz	(9KHz to 30MHz)
--	----------	----------	-------	-------	-----------------

EUT:	Skylle	Model No.:	MC6-1550
Temperature:	<b>20</b> °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Allen Liu

Freq.	Ant.Pol.	Emission Level(dBuV/m)		Limit 3	m(dBuV/m)	Over(dB)		
(MHz)	H/V	PK	AV	PK	AV	PK	AV	

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.



Spurious Emission below 1GHz (30MHz to 1GHz) All the modulation modes have been tested, and the v

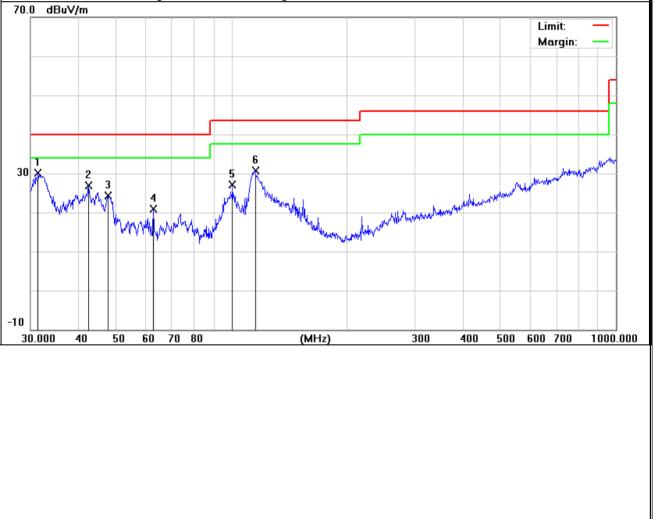
All the modulation	modes have been tested	, and the worst result w	as report as below:

EUT:	Skylle	Model Name :	MC6-1550
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010hPa	Test Mode:	Mode 1
Test Voltage :	DC 50V from Battery		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
Polar (H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	BuV/m) (dB)	
V	31.399	11.97	18.07	30.04	40.00	-9.96	QP
V	42.451	14.60	12.37	26.97	40.00	-13.03	QP
V	47.826	13.37	10.89	24.26	40.00	-15.74	QP
V	62.651	14.95	5.93	20.88	40.00	-19.12	QP
V	100.581	15.93	11.11	27.04	43.50	-16.46	QP
V	115.321	18.35	12.40	30.75	43.50	-12.75	QP
Damarla							

#### Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit





(HV)         (MHz)         (dBuV)         (dB)         (dBuV/m)         (dB)           H         100.581         9.16         11.11         20.27         43.50         -23.23         QP           H         115.321         11.75         12.40         24.15         43.50         -10.35         QP           H         165.321         11.75         12.40         24.15         43.50         -20.18         QP           H         167.824         11.73         10.47         22.20         43.50         -21.30         QP           H         266.609         10.40         13.99         24.39         46.00         -20.40         QP           Remark:         Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit	Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
H       115.321       11.75       12.40       24.15       43.50       -19.35       QP         H       153.739       11.67       11.65       23.32       43.50       -20.18       QP         H       167.824       11.73       10.47       22.20       43.50       -21.30       QP         H       266.609       10.40       13.99       24.39       46.00       -21.61       QP         H       297.224       11.28       14.32       25.60       46.00       -20.40       QP         Remark:       Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit       70.0       dBuV/m       dBuV	(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
H       153.739       11.67       11.65       23.32       43.50       -20.18       QP         H       167.824       11.73       10.47       22.20       43.50       -21.30       QP         H       266.609       10.40       13.99       24.39       46.00       -21.61       QP         H       297.224       11.28       14.32       25.60       46.00       -20.40       QP         Remark:       Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit       Imit       Margin:       Margin:         70.0       dBuV/m       dBuV/m       dBuV/m       data data data data data data data da		100.581		11.11	20.27	43.50	-23.23	QP
H       167.824       11.73       10.47       22.20       43.50       -21.30       QP         H       266.609       10.40       13.99       24.39       46.00       -21.61       QP         H       297.224       11.28       14.32       25.60       46.00       -20.40       QP         Remark:       Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit       70.0       dBuV/m       <								
H       266.609       10.40       13.99       24.39       46.00       -21.61       QP         H       297.224       11.28       14.32       25.60       46.00       -20.40       QP         Remark:       Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit       70.0       dBuV/m       Imit:       Imit: <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
H     297.224     11.28     14.32     25.60     46.00     -20.40     QP       Remark:     Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit								
Remark: Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit 70.0 dBuV/m								
Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit 70.0 dBuV/m			11.28	14.32	25.60	46.00	-20.40	QP
70.0 dBuV/m			l evelt Factor	r Margin- 4	Absolute Level	- Limit		
30 -10				r, margin <i>– r</i>				
							Limit:	
							Margin	·
								┿╍┿┛╏
								ha
	30					C	my	man and the second
-10					4 5	n X des	New Yought man	
-10	when the second			M. AN ?	Ý "Ĵ	Muserhaller		
-10		many to have a deal	Jun May	1	A Contraction	the sector of th		
-10		and the second s	a warden "		and the state of t			
-10		1 maladada	Aviat/ W					
<u>30.000 40 50 60 70 80 (MHz) 300 400 500 600 700 1000.000</u>		40 50 00	70.00					
	30.000	40 50 60	70 80	(Mł	Hz)	300 400 9	500 600 700	1000.000



EUT:		Skylle		Model N	No.:	MC6-	1550		
Femperature	:	<b>20</b> ℃		Relative	e Humidity:	48%	48%		
Fest Mode:		Mode2/Mode3/Mode4 Test By: Allen Liu							
				,					
Frequency	Read	Cable	Antenna	Preamp	Emission	Limits	Margin		
(MHz)	Level (dBµV)	loss (dB)	Factor dB/m	Factor (dB)	Level (dBµV/m)	(dBµ	(dB)	Remark	Comment
(IVIH2)	(ubµv)	(иБ)	UD/III	(ив)	(ασμν/π)	(uDμ	(ив)		
		L	ow Channe	I (2406 MF	lz)(QPSK)-	-Above 10	3		
4812.366	61.36	5.21	35.59	44.30	57.86	74.00	-16.14	Pk	Vertical
4812.366	48	5.21	35.59	44.30	44.50	54.00	-9.5	AV	Vertical
7218.155	60.11	6.48	36.27	44.60	58.26	74.00	-15.74	Pk	Vertical
7218.155	41.39	6.48	36.27	44.60	39.54	54.00	-14.46	AV	Vertical
4812.475	62.36	5.21	35.55	44.30	58.82	74.00	-15.18	Pk	Horizonta
4812.475	45.12	5.21	35.55	44.30	41.58	54.00	-12.42	AV	Horizonta
7218.335	64.13	6.48	36.27	44.52	62.36	74.00	-11.64	Pk	Horizonta
7218.335	45.12	6.48	36.27	44.52	43.35	54.00	-10.65	AV	Horizonta
			Mid Channe	(2436 M⊦	lz)(QPSK)-	-Above 1G	3		
4872.054	62.42	5.21	35.66	44.20	59.09	74.00	-14.91	Pk	Vertical
4872.054	42.39	5.21	35.66	44.20	39.06	54.00	-14.94	AV	Vertical
7308.155	61.39	7.10	36.50	44.43	60.56	74.00	-13.44	Pk	Vertical
7308.155	42.09	7.10	36.50	44.43	41.26	54.00	-12.74	AV	Vertical
4872.074	60.13	5.21	35.66	44.20	56.80	74.00	-17.20	Pk	Horizonta
4872.074	41.03	5.21	35.66	44.20	37.70	54.00	-16.30	AV	Horizonta
7308.115	61.42	7.10	36.50	44.43	60.59	74.00	-13.41	Pk	Horizonta
7308.115	45.69	7.10	36.50	44.43	44.86	54.00	-9.14	AV	Horizonta
		Н	igh Channe	I (2466 M⊦	lz)(QPSK)-	- Above 10	G		
4932.174	61.82	5.21	35.52	44.21	58.34	74.00	-15.66	Pk	Vertical
4932.374	41.89	5.21	35.52	44.21	38.41	54.00	-15.59	AV	Vertical
7398.521	61.29	7.10	36.53	44.60	60.32	74.00	-13.68	Pk	Vertical
7398.521	41.05	7.10	36.53	44.60	40.08	54.00	-13.92	AV	Vertical
4932.471	59.85	5.21	35.52	44.21	56.37	74.00	-17.63	Pk	Horizonta
4932.471	42.90	5.21	35.52	44.21	39.42	54.00	-14.58	AV	Horizonta
7398.129	62.75	7.10	36.53	44.60	61.78	74.00	-12.22	Pk	Horizonta
7398.129	43.66	7.10	36.53	44.60	42.69	54.00	-11.31	AV	Horizonta

Note:

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor (2)All other emissions more than 20dB below the limit.



Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz						
EUT:	Skylle	Model No.:	MC6-1550			
Temperature:	<b>20</b> ℃	Relative Humidity:	48%			
Test Mode:	Mode2/ Mode4	Test By:	Allen Liu			

Frequenc	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	Comment
	QPSK								
2310.00	63.67	2.97	27.80	43.80	50.64	74	-23.36	Pk	Horizontal
2310.00	46.78	2.97	27.80	43.80	33.75	54	-20.25	AV	Horizontal
2310.00	61.34	2.97	27.80	43.80	48.31	74	-25.69	Pk	Vertical
2310.00	47.07	2.97	27.80	43.80	34.04	54	-19.96	AV	Vertical
2390.00	61.63	3.14	27.21	43.80	48.18	74	-25.82	Pk	Vertical
2390.00	49.63	3.14	27.21	43.80	36.18	54	-17.82	AV	Vertical
2390.00	62.67	3.14	27.21	43.80	49.22	74	-24.78	Pk	Horizontal
2390.00	51.57	3.14	27.21	43.80	38.12	54	-15.88	AV	Horizontal
2483.50	60.77	3.58	27.70	44.00	48.05	74	-25.95	Pk	Vertical
2483.50	39.68	3.58	27.70	44.00	26.96	54	-27.04	AV	Vertical
2483.50	62.67	3.58	27.70	44.00	49.95	74	-24.05	Pk	Horizontal
2483.50	43.60	3.58	27.70	44.00	30.88	54	-23.12	AV	Horizontal

Note: (1) All other emissions more than 20dB below the limit.



UT:		Sky	lle		Model N	Model No.:		MC6-1550			
Гетр	erature:	20 °	<b>20</b> ℃			Relative Humidity:					
Fest N	/lode:	Мос	de2/ Mod	e4	Test By		/	Allen	n Liu		
				<b>A</b> (				_			
	Frequenc y	Readin g Level	Cable Loss	Antenn a Factor	Preamp Factor	Emission Level	Lim	its	Margin	Detecto r	Comment
	(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµ V/m)	(dB V/n	-	(dB)	Туре	
	3260	65.66	4.04	29.57	44.70	54.57	74	4	-19.43	Pk	Vertical
	3260	46.83	4.04	29.57	44.70	35.74	54	4	-18.26	AV	Vertical
	3260	64.84	4.04	29.57	44.70	53.75	74	1	-20.25	Pk	Horizontal
	3260	50.12	4.04	29.57	44.70	39.03	54	4	-14.97	AV	Horizontal
	3332	67.83	4.26	29.87	44.40	57.56	74	1	-16.44	Pk	Vertical
	3332	51.37	4.26	29.87	44.40	41.10	54	1	-12.90	AV	Vertical
	3332	68.68	4.26	29.87	44.40	58.41	74	4	-15.59	Pk	Horizontal
	3332	51.23	4.26	29.87	44.40	40.96	54	4	-13.04	AV	Horizontal
	17797	47.76	10.99	43.95	43.50	59.20	74	4	-14.80	Pk	Vertical
	17797	32.37	10.99	43.95	43.50	43.81	54	1	-10.19	AV	Vertical
	17788	49.99	11.81	43.69	44.60	60.89	74	4	-13.11	Pk	Horizontal

11.81 Note: (1) All other emissions more than 20dB below the limit.

43.69

44.60

42.26

54

-11.74

AV

Horizontal

31.36

17788



#### 7.3 6DB BANDWIDTH

#### 7.3.1 Applicable Standard

According to FCC Part 15.247(a)(2) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.2.

#### 7.3.2 Conformance Limit

The minimum permissible 6dB bandwidth is 500 kHz.

#### 7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.3.5 Test Procedure

The testing follows Subclause 11.8 of ANSI C63.10

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW)  $\ge$  3\*RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.

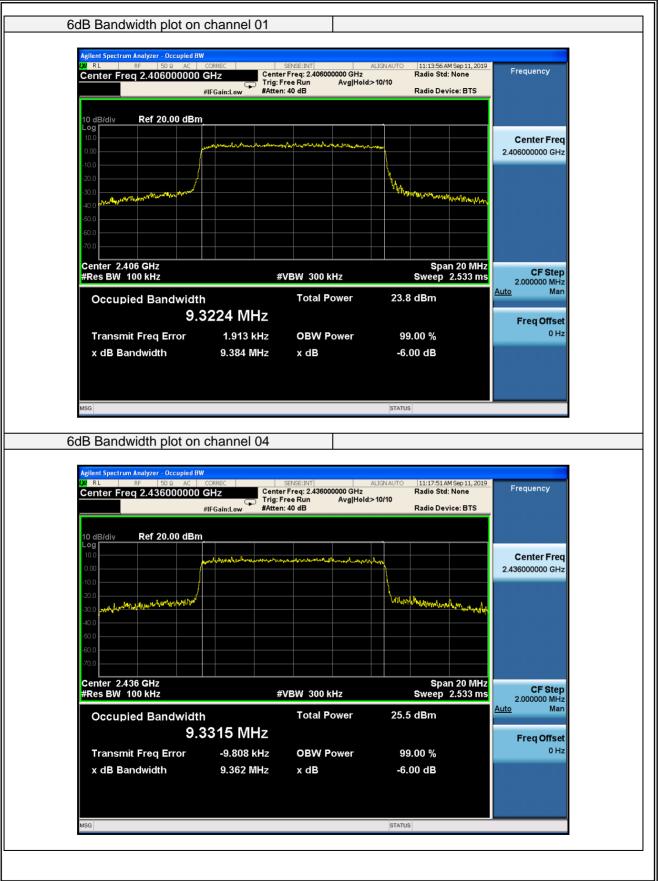
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 7.3.6 Test Results

EUT:	Skylle	Model No.:	MC6-1550
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Allen Liu

Channel	Frequency (MHz)	6dB bandwidth (kHz)	Limit (kHz)	Result
Low	2406	9384	≥500	Pass
Middle	2436	9362	≥500	Pass
High	2466	9342	≥500	Pass







6dB Bandwidth plot on char	ACCREDITED Certificate #4298.01	Report No.:	<u>S19082400105001</u>
Agilent Spectrum Analyzer - Occupied BW W RL RF 50 Ω AC CORREC Center Freq 2.466000000 GHz #IFGain: 10 dB/div Ref 20.00 dBm Log	Center Freq: 2.466000000 GHz Trig: Free Run Avg Hold:	ALIGN AUTO  11:15:43 AM Sep 11, 2019 Radio Std: None > 10/10 Radio Device: BTS	Frequency
10.0	Innelantas area anti-area anti-area anti-area anti-area anti-area anti-area anti-area anti-area anti-area anti- area anti-area anti-a area anti-area anti-	Marine Mari	<b>Center Freq</b> 2.466000000 GHz
-40.0 -50.0 -60.0 -70.0 Center 2.466 GHz		Span 20 MHz	CF Step
#Res BW 100 kHz Occupied Bandwidth 9.2997 Transmit Freq Error 8.	#VBW 300 kHz Total Power MHZ .845 kHz OBW Power	Sweep 2.533 ms 25.1 dBm 99.00 %	2.000000 MHz Auto Man Freq Offset 0 Hz
x dB Bandwidth 9.3	342 MHz x dB	-6.00 dB	



#### 7.4 PEAK OUTPUT POWER

#### 7.4.1 Applicable Standard

According to FCC Part 15.247(b)(3) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.3.2.3.

#### 7.4.2 Conformance Limit

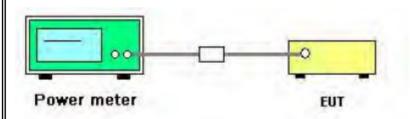
The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

#### 7.4.3 Measuring Instruments

The following table is the setting of the power meter.

Power meter parameter	Setting
Detector	Peak

#### 7.4.4 Test Setup



#### 7.4.5 Test Procedure

The testing follows Measurement Procedure Subclause 11.9.1.3 of ANSI C63.10

#### 7.4.6 EUT opration during Test

The EUT was programmed to be in continuously transmitting mode.



#### 7.4.7 Test Results

EUT:	Skylle	Model No.:	MC6-1550
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Allen Liu

Frequency	Power Setting	Peak Output Power	LIMIT	Verdict
(MHz)		(dBm)	(dBm)	
2406	Default	15.2	30	PASS
2436	Default	15.4	30	PASS
2466	Default	15.5	30	PASS



#### 7.5 POWER SPECTRAL DENSITY

#### 7.5.1 Applicable Standard

According to FCC Part 15.247(e) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.4.

#### 7.5.2 Conformance Limit

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

#### 7.5.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.5.5 Test Procedure

The testing follows Measurement Procedure Subclause 11.10.2 of ANSI C63.10 This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

a) Set analyzer center frequency to DTS channel center frequency.

b) Set the span to 1.5\*DTS bandwidth.

c) Set the RBW to:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .

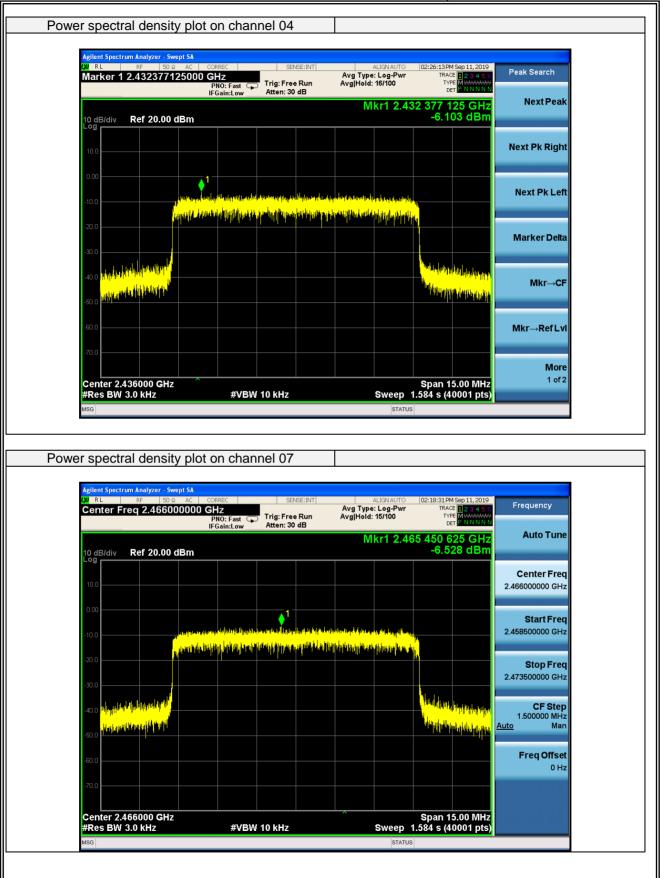
- d) Set the VBW  $\geq$  3 RBW.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.



#### 7.5.6 Test Results

EUT:	Skylle		Model No.:		MC6-1550		
emperature:	<b>20</b> ℃	<b>20</b> °C		Relative Humidity:		48%	
Test Mode:	Mode2/Mod	e3/Mode4	Test By:		Allen Liu		
Test Channel	Frequency (MHz)		r Density n/3KHz)	(d	Limit Bm/3KHz)	Verdict	
01	2406	-6	.117		8	PASS	
04	2436		.103		8	PASS	
07	2466	-6	.528		8	PASS	
Power spe	ctral density plot o	n channel C	)1				
	pectrum Analyzer - Swept SA						
Marke	RF 50 Ω AC COR er 1 2.404554375000 GH	Z D: Fast	ree Run Avg Ho	ALIGN AUTO pe: Log-Pwr ld: 33/100	02:14:44 PM Sep 11, 2019 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Peak Search	
	IFG	ain:Low Atten	: 30 dB	Mkr1 2.40	4 554 375 GHz	Next Peak	
10 dB/o Log	liv Ref 20.00 dBm				-6.117 dBm		
10.0						Next Pk Right	
0.00		1					
-10.0		and the second	ngi handigi faradi pinahatri ya tar Mataka kataka kata kata kataka kataka			Next Pk Left	
-20.0		allad a market					
-30.0						Marker Delta	
-40.0	, lep. p. lep. Mag All Providence (Mag				<mark>h ha alla da dista popula da</mark>	Mkr→CF	
-50.0 di					West Milliping Aline	Wiki→Ci	
-60.0						Mkr→RefLvl	
-70.0						Mill Aler Evi	
-70.0						More	
	r 2.406000 GHz 3W 3.0 kHz	#VBW 10 kH	<b>_</b>	Sween 1	Span 15.00 MHz .584 s (40001 pts)	1 of 2	
#RES	5WV 3.0 KHZ		2	SWEEP			







#### 7.6 CONDUCTED BAND EDGE MEASUREMENT

#### 7.6.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

#### 7.6.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

#### 7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.6.5 Test Procedure

The testing follows FCC KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.

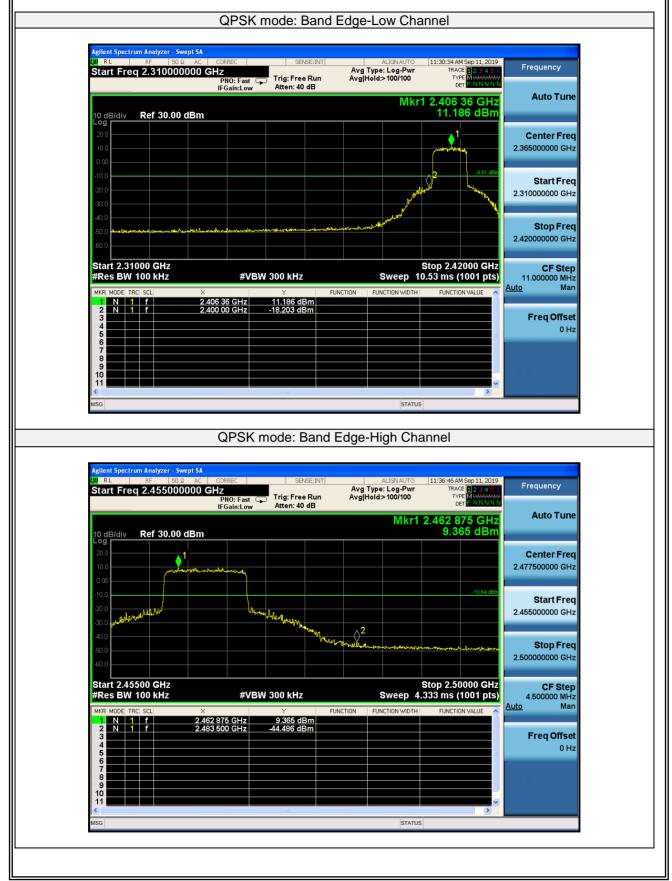
#### 7.6.6 Test Results

EUT:	Skylle	Model No.:	MC6-1550
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode4	Test By:	Allen Liu



ilac-MR

**NTEK北测** 





#### 7.7 SPURIOUS RF CONDUCTED EMISSIONS

#### 7.7.1 Conformance Limit

1. Below -20dB of the highest emission level in operating band.

2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

#### 7.7.2 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.7.3 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.7.4 Test Procedure

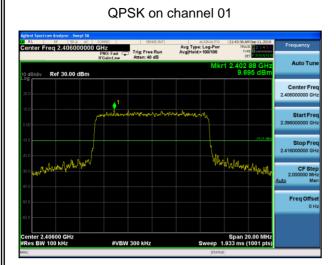
The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength, and measure frequency range from 9KHz to 26.5GHz.

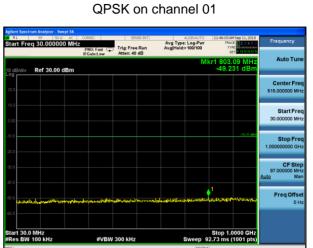
#### 7.7.5 Test Results

Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.



**Test Plot** 



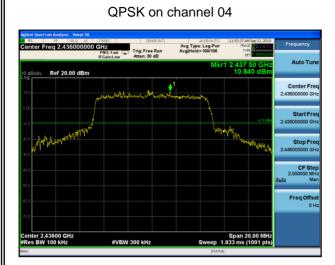


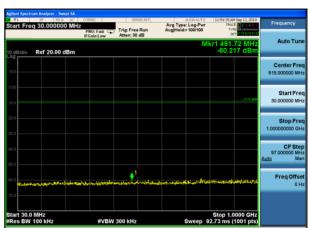
QPSK on channel 01

RLS RF 50 R AC Start Freq 1.000000000	CORREC SENSE.INT CHZ PNO: Fast IFGain:Low Atten: 40 dB	Avg Type: Log-Pwr Avg Hold: 9/100	11:46:40 AM Sep 11, 2019 TRACE 1 2 3 4 5 6 TYPE M DET P NNNNN	Frequency
10 dB/div Ref 30.00 dBm		I	Mkr1 3.219 GHz -41.760 dBm	Auto Tun
20.0				Center Fre 13.750000000 GF
0.00				Start Fre 1.000000000 GF
-10.0			-10.31 dbn	Stop Fre 26.50000000 GP
-0.0	and house many many many many	. Anter Alerthe	hunner	CF Ste 2.550000000 GI <u>Auto</u> M
an water water	M. Andrew Contraction			Freq Offs 01
Start 1.00 GHz	#VBW 300 kHz	Swaan	Stop 26.50 GHz 2.437 s (1001 pts)	



**Test Plot** 





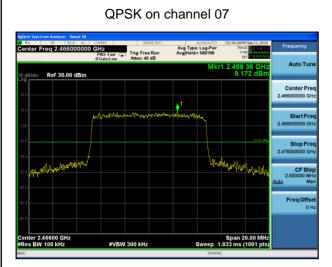
QPSK on channel 04

QPSK on channel 04

RLS RF 509 AC Start Freq 1.000000000 G	CORREC SENSEINT PN0: Fast Trig: Free Run Atten: 40 dB	ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	02:00:20 PM Sep 11, 2019 TRACE 2 3 4 5 6 TYPE DET 2 NNNNN	Frequency
10 dB/div Ref 30.00 dBm	In connection	I	/kr1 8.978 GHz -44.924 dBm	Auto Tur
20.0				Center Fre 13.750000000 GF
0.00				Start Fre 1.000000000 Gi
-10.0			-216 dBn	Stop Fr 26.50000000 G
-30.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	man	www.ww	CF Ste 2.550000000 Gi <u>Auto</u> M
50 0 dawn dawn dawn	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Freq Offs 0
Start 1.00 GHz #Res BW 100 kHz	#VBW 300 kHz		Stop 26.50 GHz 2.437 s (1001 pts)	



**Test Plot** 



 Adjent Spectrum Andryn: Sept 54
 Stratt Freq 30.000000 MHz
 Processor
 Arg Type: Log-Pure
 Processor
 Processor
 Processor
 Auto Tune

 00 dBidity
 Ref 30.00 dBm
 Processor
 Arg Type: Log-Pure
 Mixt 277.87 MHz
 Auto Tune

 00 dBidity
 Ref 30.00 dBm
 Center Freq
 Mixt 277.87 MHz
 Auto Tune

 00 dBidity
 Ref 30.00 dBm
 Center Freq
 Start Freq
 30.000 dBm
 Center Freq

 00 dBidity
 Ref 30.00 dBm
 Center Freq
 Start Freq
 30.0000 MHz
 Start Freq

 00 dBidity
 Ref 30.00 dBm
 Center Freq
 Start Freq
 30.000000 MHz
 Start Freq

 00 dBidity
 Ref 30.00 dBm
 Center Freq
 Start Freq
 30.000000 MHz
 Start Freq

 00 dBidity
 Ref 30.00 dBm
 Center Freq
 Start Freq
 30.000000 GHz
 Start Freq

 00 dBidity
 Ref 30.00 dBm
 Center Freq
 Start Freq
 30.000000 GHz
 Start Freq

 00 dBidity
 Ref 30.00 dBm
 Center Freq
 Start Freq
 Start Freq
 30.0000000 GHz
 Start Freq

QPSK on channel 07

QPSK on channel 07





#### 7.8 ANTENNA APPLICATION

#### 7.8.1 Antenna Requirement

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

#### 7.8.2 Result

The EUT antenna is permanent attached External antenna(Gain:3dBi). It comply with the standard requirement.

END OF REPORT