

RADIO TEST REPORT

Report No: STS1911194W03

Issued for

Sun Cupid Technology (HK) Ltd.

16/F, CEO Tower, 77 Wing Hong St, Cheung Sha Wan, Kowloon, Hong Kong, China.

Product Name:	Smart phone
Brand Name:	NUU
Model Name:	X6
Series Model:	N/A
FCC ID:	2ADINS5702L
Test Standard:	FCC Part 15.247

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Shenzhen STS Test Services Co., Ltd.
A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District,Bao'an District, Shenzhen, Guang Dong, China
TEL: +86-755 3688 6288 FAX: +86-755 3688 6277 E-mail:sts@stsapp.com





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ILJI	NESU	, L I '	CERTIF	ICATION

Applicant's Name Sun Cupid Technology (HK) Ltd.

Hong Kong, China.

Manufacture's Name Sun Cupid Technology (HK) Ltd.

Hong Kong, China.

Product Description

Product Name Smart phone

Brand Name NUU

Model Name: X6

Series Model: N/A

Test Standards FCC Part15.247

Test Procedure ANSI C63.10-2013

This device described above has been tested by STS, 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.

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Date of Test.....

Date (s) of performance of tests .: 12 Nov. 2019 ~ 21 Nov. 2019

Date of Issue 26 Nov. 2019

Test Result Pass

Testing Engineer :

(Chris Chen)

Technical Manager :

Authorized Signatory:

(Sunday Hu)

4.

(Vita Li)



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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	26 Nov. 2019	STS1911194W03	ALL	Initial Issue





1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards: KDB 558074 D01 15.247 Meas Guidance v05r02

FCC Part 15.247,Subpart C				
Standard Section	Test Item	Judgment	Remark	
15.207	Conducted Emission	PASS		
15.247(a)(1)	Hopping Channel Separation	PASS		
15.247(a)(1)&(b)(1)	Output Power	PASS		
15.209	Radiated Spurious Emission	PASS		
15.247(d)	Conducted Spurious & Band Edge Emission	PASS		
15.247(a)(iii)	Number of Hopping Frequency	PASS		
15.247(a)(iii)	Dwell Time	PASS		
15.247(a)(1)	Bandwidth	PASS	-	
15.205	Restricted bands of operation	PASS		
Part 15.247(d)/part 15.209(a)	Band Edge Emission	PASS		
15.203	Antenna Requirement	PASS		

NOTE:

- (1)" N/A" denotes test is not applicable in this Test Report
- (2) All tests are according to ANSI C63.10-2013



1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add.: A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ,

Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569 IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 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	RF output power, conducted	±0.68dB
2	Unwanted Emissions, conducted	±2.988dB
3	All emissions, radiated 30-1GHz	±6.7dB
4	All emissions, radiated 1G-6GHz	±5.5dB
5	All emissions, radiated>6G	±5.8dB
6	Conducted Emission (9KHz-150KHz)	±4.43dB
7	Conducted Emission (150KHz-30MHz)	±5dB



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Smart phone
Trade Name	NUU
Model Name	X6
Series Model	N/A
Model Difference	N/A
Channel List	Please refer to the Note 2.
Bluetooth	Frequency:2402 – 2480 MHz Modulation: GFSK(1Mbps), π/4-DQPSK(2Mbps), 8DPSK(3Mbps)
Bluetooth Version	5.0
Bluetooth Configuration	BR+EDR
Adapter	Input: AC100-240V, 0.2A, 50/60Hz Output: 5.0V, 1.0A
Battery	Rated Voltage: 3.8V Charge Limit: 4.35V Capacity: 2800mAh
Hardware version number	E557_MAIN_PCB_V1.2
Software version number	9052NUU-S5702L-AM-P-MV03203-02
Connecting I/O Port(s)	Please refer to the User's Manual

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.

	Channel List				
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	NUU	X6	PIFA	N/A	0.5dBi	BT Antenna



2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate/Modulation
Mode 1	TX CH00	1Mbps/GFSK
Mode 2	TX CH39	1Mbps/GFSK
Mode 3	TX CH78	1Mbps/GFSK
Mode 4	TX CH00	2 Mbps/π/4-DQPSK
Mode 5	TX CH39	2 Mbps/π/4-DQPSK
Mode 6	TX CH78	2 Mbps/π/4-DQPSK
Mode7	TX CH00	3 Mbps/8DPSK
Mode 8	TX CH39	3 Mbps/8DPSK
Mode 9	TX CH78	3 Mbps/8DPSK

Note:

- (1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported
- (2) We have be tested for all avaiable U.S. voltage and frequencies(For 120V,50/60Hz and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V/60Hz is shown in the report

For AC Conducted Emission

	Test Case
AC Conducted Emission	Mode 10 : Keeping BT TX

2.3 TABLE OF PARAMETERS OF TEST SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS.

Test software Version	Test program: Bluetooth				
(Power control software) Parameters(1/2/3Mbps)	Power class: DH1 rate:4:27 2DH1 rate:20:54 3DH1 rate:24:83	Power class: DH3 rate:11:183 2DH3 rate:26:367 3DH3 rate:27:552	Power class: DH5 rate:15:339 2DH5 rate:30:679 3DH5 rate:31:1021		



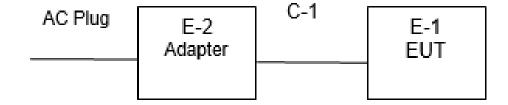
2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

Radiated Spurious Emission Test

E-1 EUT

Conducted Emission Test





2.5 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

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.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
E-2	Adapter	NUU	N/A	N/A	N/A
C-1	DC Cable	N/A	110cm	N/A	N/A

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
N/A	N/A	N/A	N/A	N/A	N/A

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in Length column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".



2.6 EQUIPMENTS LIST

Radiation Test equipment

i <u>vadialion lest equipm</u>	CIIC					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	
Test Receiver	R&S	ESCI	101427	2019.07.29	2020.07.28	
Signal Analyzer	Agilent	N9020A	MY51110105	2019.03.02	2020.03.01	
Active loop Antenna	ZHINAN	ZN30900C	16035	2018.03.11	2021.03.10	
Bilog Antenna	TESEQ	CBL6111D	34678	2017.11.02	2020.11.01	
Horn Antenna	SCHWARZBECK	BBHA 9120D(1201)	9120D-1343	2018.10.19	2021.10.18	
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	J211020657	2018.03.11	2021.03.10	
Pre-Amplifier(0.1M-3G Hz)	EM	EM330	060665	2019.10.09	2020.10.08	
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK201808090 1	2019.10.09	2020.10.08	
Temperature & Humidity	HH660	Mieo	N/A	2019.10.09	2020.10.08	
turn table	EM	SC100_1	60531	N/A	N/A	
Antenna mast	EM	SC100	N/A	N/A	N/A	
Test SW	FARAD	EZ-EMC(Ver.STSLAB-03A1 RE)				

Conduction Test equipment

portauction rest equipment						
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	
Test Receiver	R&S	ESCI	101427	2019.07.29	2020.07.28	
LISN	R&S	ENV216	101242	2019.10.09	2020.10.08	
LISN	EMCO	3810/2NM	23625	2019.10.09	2020.10.08	
Temperature & Humidity	HH660	Mieo	N/A	2019.10.12	2020.10.11	
Test SW	FARAD	EZ-EMC(Ver.STSLAB-03A1 CE)				

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	
USB RF power sensor	DARE	RPR3006W	15I00041SNO03	2019.10.09	2020.10.08	
Signal Analyzer	Agilent	N9020A	MY49100060	2019.10.09	2020.10.08	
Temperature & Humidity	HH660	Mieo N/A		2019.10.12	2020.10.11	
Test SW	FARAD	LZ-RF /LzRf-3A3				



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

Operating frequency band. In case the emission fall within the restricted band specified on Part 207(a) limit in the table below has to be followed.

FREQUENCY (MHz)	Conducted Emissionlimit (dBuV)			
FREQUENCT (WHZ)	Quasi-peak	Average		
0.15 -0.5	66 - 56 *	56 - 46 *		
0.50 -5.0	56.00	46.00		
5.0 -30.0	60.00	50.00		

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

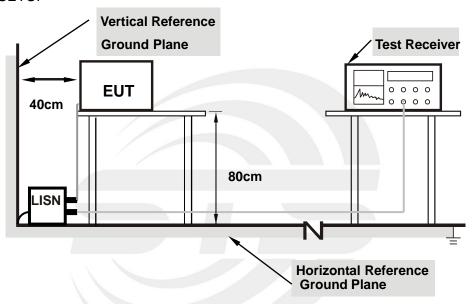
Receiver Parameters	Setting		
Attenuation	10 dB		
Start Frequency	0.15 MHz		
Stop Frequency	30 MHz		
IF Bandwidth	9 kHz		



3.1.2 TEST PROCEDURE

- a. The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



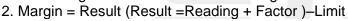
3.1.5 TEST RESULT

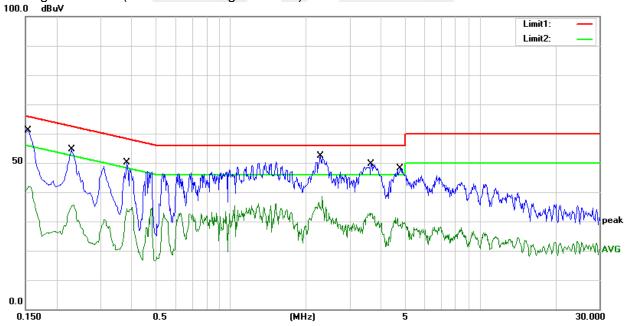
Temperature:	26.4(C)	Relative Humidity:	48%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 10		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1540	40.66	20.54	61.20	65.78	-4.58	QP
2	0.1540	21.40	20.54	41.94	55.78	-13.84	AVG
3	0.2300	34.23	20.35	54.58	62.45	-7.87	QP
4	0.2300	15.21	20.35	35.56	52.45	-16.89	AVG
5	0.3820	30.06	20.18	50.24	58.24	-8.00	QP
6	0.3820	14.66	20.18	34.84	48.24	-13.40	AVG
7	2.2940	32.30	20.00	52.30	56.00	-3.70	QP
8	2.2940	18.52	20.00	38.52	46.00	-7.48	AVG
9	3.6420	29.33	20.25	49.58	56.00	-6.42	QP
10	3.6420	12.70	20.25	32.95	46.00	-13.05	AVG
11	4.7780	27.77	20.38	48.15	56.00	-7.85	QP
12	4.7780	11.00	20.38	31.38	46.00	-14.62	AVG

Remark:

1. All readings are Quasi-Peak and Average values.







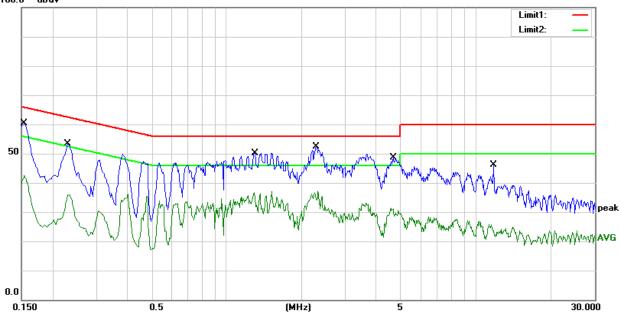
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Temperature:	26.4(C)	Relative Humidity:	48%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 10		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1540	39.75	20.54	60.29	65.78	-5.49	QP
2	0.1540	22.00	20.54	42.54	55.78	-13.24	AVG
3	0.2300	32.96	20.35	53.31	62.45	-9.14	QP
4	0.2300	15.51	20.35	35.86	52.45	-16.59	AVG
5	1.2980	30.53	19.57	50.10	56.00	-5.90	QP
6	1.2980	17.17	19.57	36.74	46.00	-9.26	AVG
7	2.2940	32.30	20.00	52.30	56.00	-3.70	QP
8	2.2940	17.05	20.00	37.05	46.00	-8.95	AVG
9	4.6660	28.25	20.37	48.62	56.00	-7.38	QP
10	4.6660	10.94	20.37	31.31	46.00	-14.69	AVG
11	11.7620	25.44	20.60	46.04	60.00	-13.96	QP
12	11.7620	5.25	20.60	25.85	50.00	-24.15	AVG

Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Margin = Result (Result = Reading + Factor)-Limit 100.0 dBuV





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) limit in the table and according to ANSI C63.10-2013 below has to be followed

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (1GHz-25 GHz)

EDEOLIENCY (MH2)	(dBuV/m) (at 3M)		
FREQUENCY (MHz)	PEAK	AVERAGE	
Above 1000	74	54	

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RESTRICTED FREQUENCY BANDS

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (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	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	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	Above 38.6
13.36-13.41			



For Radiated Emission

Spectrum Parameter	Setting	
Attenuation	Auto	
Detector	Peak/AV	
Start Frequency	1000 MHz(Peak/AV)	
Stop Frequency	10th carrier hamonic(Peak/AV)	
RB / VB (emission in restricted	DIC 1MH= /1MH= AV/ 1 MH= /10 H=	
band)	PK=1MHz / 1MHz, AV=1 MHz /10 Hz	

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For Band edge

Spectrum Parameter	Setting
Detector Peak/AV	
Chart Ohan Francisco	Lower Band Edge: 2310 to 2410 MHz
Start/Stop Frequency	Upper Band Edge: 2475 to 2500 MHz
RB / VB (emission in restricted band)	PK=1MHz / 1MHz, AV=1 MHz / 10 Hz

Receiver Parameter	Setting	
Attenuation	Auto	
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV	
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP	
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV	
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP	
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP	

3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meters (above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. 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 QuasiPeak detector mode re-measured.
- e. 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.
- f. 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

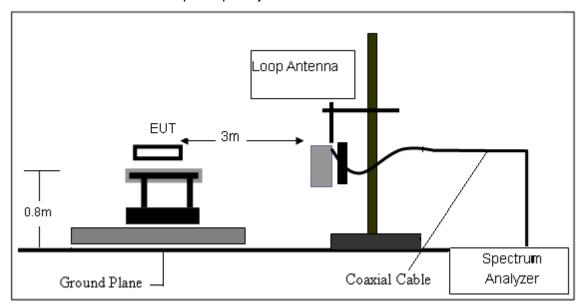
3.2.3 DEVIATION FROM TEST STANDARD

No deviation

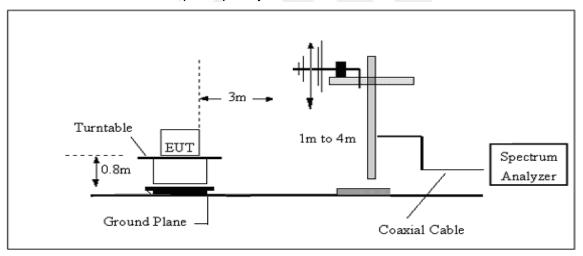


3.2.4 TESTSETUP

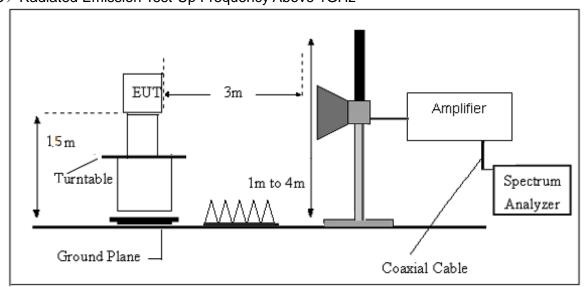
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz





3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.





3.2.6 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

Factor=AF+CL-AG



3.2.7 TEST RESULTS

(9KHz-30MHz)

Temperature:	24.7(C)	Relative Humidity:	52%RH
Test Voltage:	DC 3.8V from battery	Test Mode:	TX Mode

Freq.	Reading	Limit	Margin	State	Toot Dooult
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F	Test Result
					PASS
					PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits (dBuv) + distance extrapolation factor.



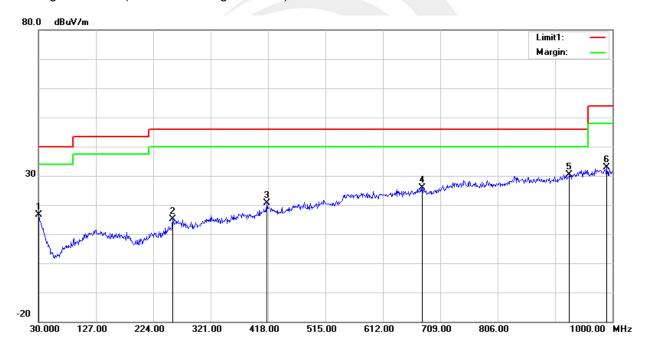
(30MHz-1000MHz)

Temperature:	24.7(C)	Relative Humidity:	52%RH		
Test Voltage:	DC 3.8V from battery	Phase:	Horizontal		
Test Mode:	Mode 1/2/3/4/5/6/7/8/9(Mode 1 worst mode)				

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.9700	30.07	-13.35	16.72	40.00	-23.28	QP
2	257.4650	30.18	-15.07	15.11	46.00	-30.89	QP
3	416.5450	30.79	-10.25	20.54	46.00	-25.46	QP
4	678.9300	30.26	-4.31	25.95	46.00	-20.05	QP
5	927.7350	30.04	0.42	30.46	46.00	-15.54	QP
6	990.3000	30.76	2.05	32.81	54.00	-21.19	QP

Remark:

1. Margin = Result (Result = Reading + Factor)-Limit



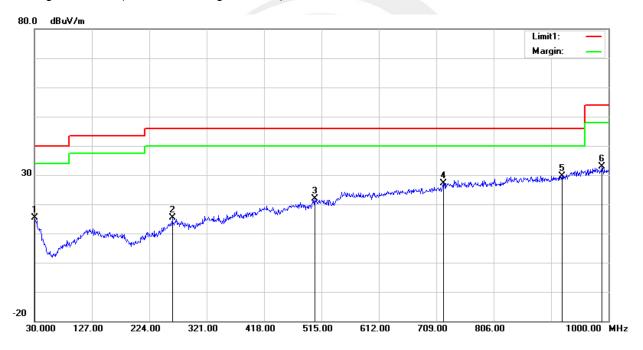


Temperature:	24.7(C)	Relative Humidity:	52%RH		
Test Voltage:	DC 3.8V from battery	Phase:	Vertical		
Test Mode:	Mode 1/2/3/4/5/6/7/8/9(Mode 1 worst mode)				

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.0000	28.27	-12.85	15.42	40.00	-24.58	QP
2	263.2850	30.18	-14.76	15.42	46.00	-30.58	QP
3	503.8450	29.77	-7.98	21.79	46.00	-24.21	QP
4	720.6400	30.38	-3.20	27.18	46.00	-18.82	QP
5	921.9150	29.63	0.08	29.71	46.00	-16.29	QP
6	988.8450	30.68	2.12	32.80	54.00	-21.20	QP

Remark:

1. Margin = Result (Result = Reading + Factor)-Limit





(1GHz~25GHz) Restricted band and Spurious emission Requirements

Frequency	Meter Reading	Amplifier	Loss	Antenna Factor	Orrected Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	(dB)	(dB/m)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	Comment
				Low Char	nnel (GFSK/2	402 MHz)				
3264.80	61.57	44.70	6.70	28.20	-9.80	51.77	74.00	-22.23	PK	Vertical
3264.80	50.34	44.70	6.70	28.20	-9.80	40.54	54.00	-13.46	AV	Vertical
3264.67	60.81	44.70	6.70	28.20	-9.80	51.01	74.00	-22.99	PK	Horizontal
3264.67	50.23	44.70	6.70	28.20	-9.80	40.43	54.00	-13.57	AV	Horizontal
4804.34	59.11	44.20	9.04	31.60	-3.56	55.55	74.00	-18.45	PK	Vertical
4804.34	49.40	44.20	9.04	31.60	-3.56	45.84	54.00	-8.16	AV	Vertical
4804.57	58.33	44.20	9.04	31.60	-3.56	54.77	74.00	-19.23	PK	Horizontal
4804.57	50.01	44.20	9.04	31.60	-3.56	46.45	54.00	-7.55	AV	Horizontal
5359.86	49.33	44.20	9.86	32.00	-2.34	46.99	74.00	-27.01	PK	Vertical
5359.86	40.16	44.20	9.86	32.00	-2.34	37.82	54.00	-16.18	AV	Vertical
5359.58	47.40	44.20	9.86	32.00	-2.34	45.06	74.00	-28.94	PK	Horizontal
5359.58	39.15	44.20	9.86	32.00	-2.34	36.81	54.00	-17.19	AV	Horizontal
7205.97	53.57	43.50	11.40	35.50	3.40	56.97	74.00	-17.03	PK	Vertical
7205.97	43.97	43.50	11.40	35.50	3.40	47.37	54.00	-6.63	AV	Vertical
7205.73	54.84	43.50	11.40	35.50	3.40	58.24	74.00	-15.76	PK	Horizontal
7205.73	43.78	43.50	11.40	35.50	3.40	47.18	54.00	-6.82	AV	Horizontal
				Middle Cha	annel (GFSK/	2441 MHz)				
3264.65	60.89	44.70	6.70	28.20	-9.80	51.09	74.00	-22.91	PK	Vertical
3264.65	50.83	44.70	6.70	28.20	-9.80	41.03	54.00	-12.97	AV	Vertical
3264.81	62.01	44.70	6.70	28.20	-9.80	52.21	74.00	-21.79	PK	Horizontal
3264.81	50.72	44.70	6.70	28.20	-9.80	40.92	54.00	-13.08	AV	Horizontal
4882.55	59.51	44.20	9.04	31.60	-3.56	55.95	74.00	-18.05	PK	Vertical
4882.55	49.98	44.20	9.04	31.60	-3.56	46.42	54.00	-7.58	AV	Vertical
4882.49	59.17	44.20	9.04	31.60	-3.56	55.61	74.00	-18.39	PK	Horizontal
4882.49	50.21	44.20	9.04	31.60	-3.56	46.65	54.00	-7.35	AV	Horizontal
5359.69	48.77	44.20	9.86	32.00	-2.34	46.43	74.00	-27.57	PK	Vertical
5359.69	40.36	44.20	9.86	32.00	-2.34	38.02	54.00	-15.98	AV	Vertical
5359.85	48.45	44.20	9.86	32.00	-2.34	46.11	74.00	-27.89	PK	Horizontal
5359.85	38.83	44.20	9.86	32.00	-2.34	36.49	54.00	-17.51	AV	Horizontal
7323.78	53.81	43.50	11.40	35.50	3.40	57.21	74.00	-16.79	PK	Vertical
7323.78	43.69	43.50	11.40	35.50	3.40	47.09	54.00	-6.91	AV	Vertical
7323.78	53.88	43.50	11.40	35.50	3.40	57.28	74.00	-16.72	PK	Horizontal
7323.78	44.90	43.50	11.40	35.50	3.40	48.30	54.00	-5.70	AV	Horizontal



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				High Char	nnel (GFSK/	2480 MHz)				
3264.61	61.06	44.70	6.70	28.20	-9.80	51.26	74.00	-22.74	PK	Vertical
3264.61	49.91	44.70	6.70	28.20	-9.80	40.11	54.00	-13.89	AV	Vertical
3264.65	61.02	44.70	6.70	28.20	-9.80	51.22	74.00	-22.78	PK	Horizontal
3264.65	51.20	44.70	6.70	28.20	-9.80	41.40	54.00	-12.60	AV	Horizontal
4960.39	59.02	44.20	9.04	31.60	-3.56	55.46	74.00	-18.54	PK	Vertical
4960.39	49.32	44.20	9.04	31.60	-3.56	45.76	54.00	-8.24	AV	Vertical
4960.44	58.82	44.20	9.04	31.60	-3.56	55.26	74.00	-18.74	PK	Horizontal
4960.44	50.05	44.20	9.04	31.60	-3.56	46.49	54.00	-7.51	AV	Horizontal
5359.82	49.06	44.20	9.86	32.00	-2.34	46.72	74.00	-27.28	PK	Vertical
5359.82	39.65	44.20	9.86	32.00	-2.34	37.31	54.00	-16.69	AV	Vertical
5359.66	48.47	44.20	9.86	32.00	-2.34	46.13	74.00	-27.87	PK	Horizontal
5359.66	38.23	44.20	9.86	32.00	-2.34	35.89	54.00	-18.11	AV	Horizontal
7439.83	53.86	43.50	11.40	35.50	3.40	57.26	74.00	-16.74	PK	Vertical
7439.83	44.70	43.50	11.40	35.50	3.40	48.10	54.00	-5.90	AV	Vertical
7439.85	53.67	43.50	11.40	35.50	3.40	57.07	74.00	-16.93	PK	Horizontal
7439.85	44.73	43.50	11.40	35.50	3.40	48.13	54.00	-5.87	AV	Horizontal

Note:

3)

- 1) Scan with GFSK, $\pi/4$ -DQPSK,8DPSK,the worst case is GFSK Mode
- 2) Factor = Antenna Factor + Cable Loss Pre-amplifier.

Emission Level = Reading + Factor

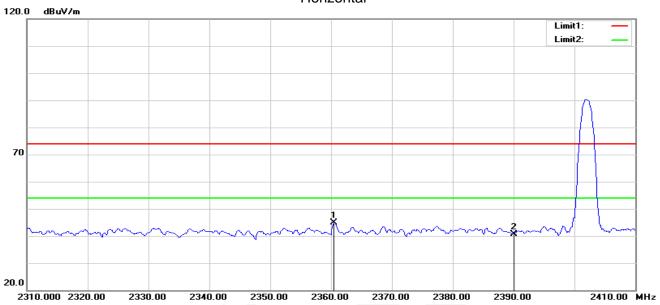
The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency

emission is mainly from the environment noise.



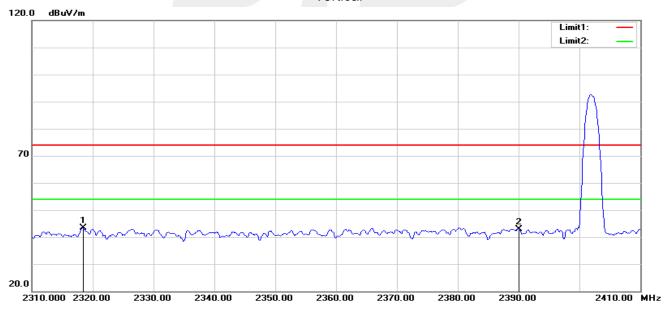
Restricted band Requirements

GFSK-Low Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2360.550	41.08	3.90	44.98	74.00	-29.02	peak
2	2390.000	36.38	4.34	40.72	74.00	-33.28	peak

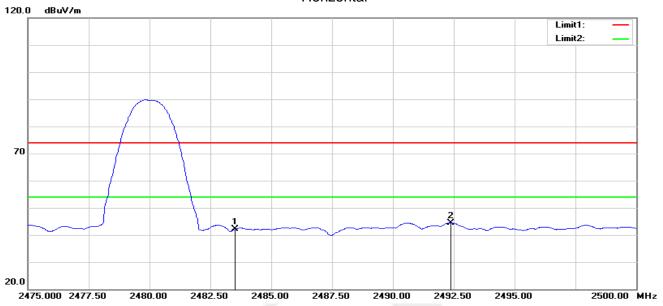
Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2318.400	39.70	3.57	43.27	74.00	-30.73	peak
2	2390.000	38.60	4.34	42.94	74.00	-31.06	peak

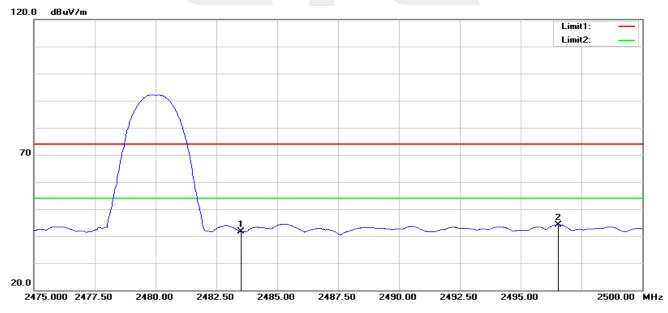


GFSK-High Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	37.47	4.60	42.07	74.00	-31.93	peak
2	2492.375	39.85	4.63	44.48	74.00	-29.52	peak

Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	37.11	4.60	41.71	74.00	-32.29	peak
2	2496.537	39.58	4.64	44.22	74.00	-29.78	peak

Note: GFSK, $\pi/4$ -DQPSK, 8DPSK of the nohopping and hopping mode all have been test, the worst case is GFSK of the nohopping mode, this report only show the worst case.



4. CONDUCTED SPURIOUS & BAND EDGE EMISSION

4.1 LIMIT

According to FCC section 15.247(d), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

4.2 TEST PROCEDURE

Spectrum Parameter	Setting		
Detector	Peak		
Start/Stop Frequency	30 MHz to 10th carrier harmonic		
RB / VB (emission in restricted band)	100 KHz/300 KHz		
Trace-Mode:	Max hold		

For Band edge

Spectrum Parameter	Setting			
Detector	Peak			
Start/Stan Eraguanay	Lower Band Edge: 2300– 2407 MHz			
Start/Stop Frequency	Upper Band Edge: 2475 – 2500 MHz			
RB / VB (emission in restricted band)	100 KHz/300 KHz			
Trace-Mode:	Max hold			

Remark: Hopping on and Hopping off mode all have been tested, only worst case hopping off is reported.

4.3 TEST SETUP



The EUT is connected to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

4.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

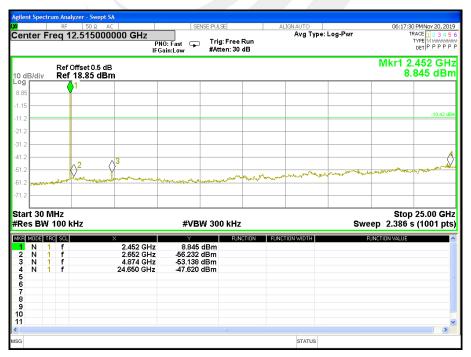


4.5 TEST RESULTS

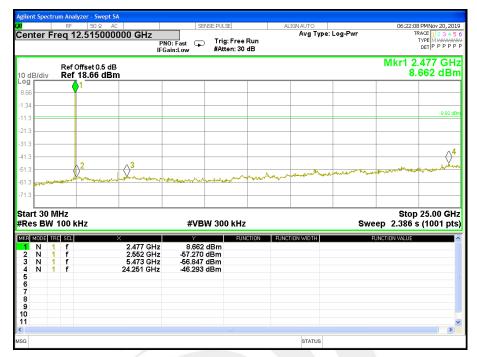
Temperature:	25 ℃	Relative Humidity:	50%
Test Mode:	GFSK(1Mbps)-00/39/78 CH	Test Voltage:	DC 3.8V from battery

00 CH







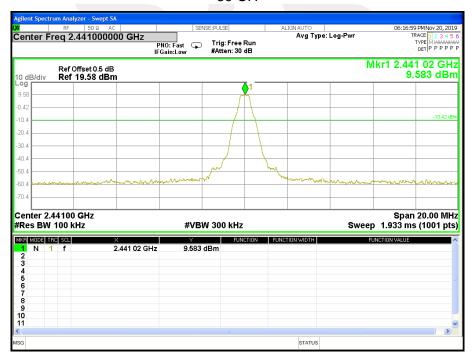




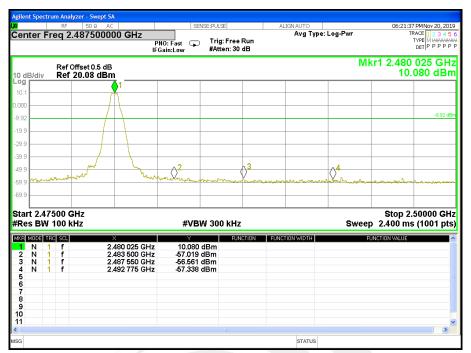
For Band edge

00 CH







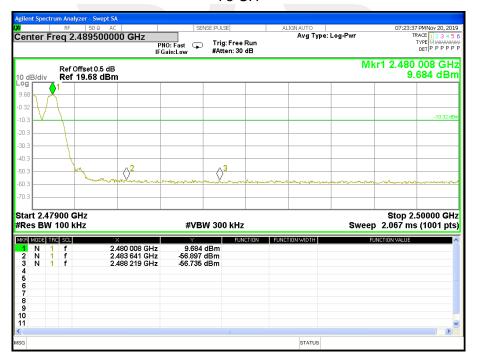




For Hopping Band edge

00 CH



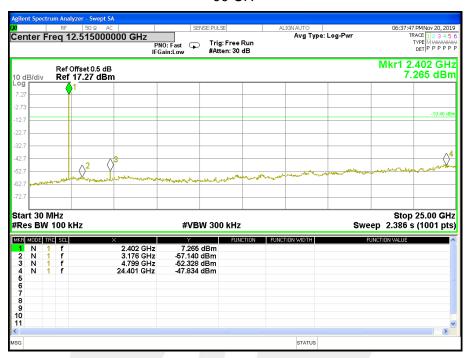


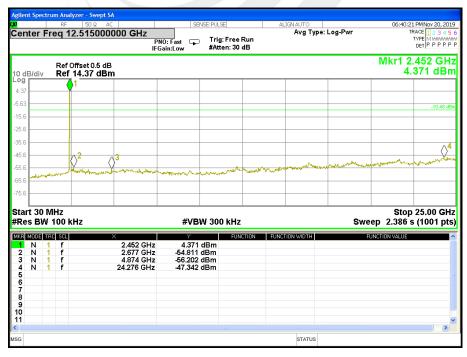


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Temperature:	25 ℃	Relative Humidity:	50%
LIEST MINDAE.	π/4-DQPSK(2Mbps)– 00/39/78 CH	Test Voltage:	DC 3.8V from battery

00 CH







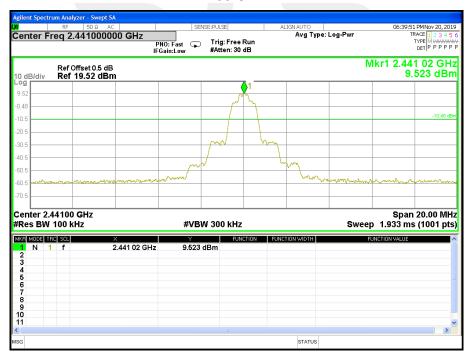


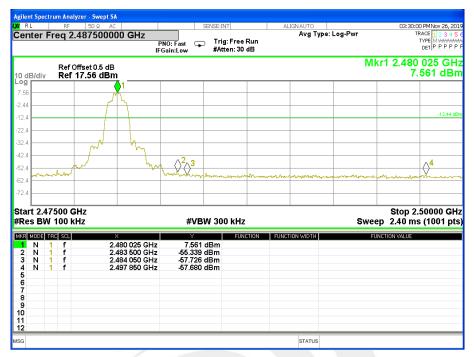


For Band edge

00 CH









For Hopping Band edge

00 CH



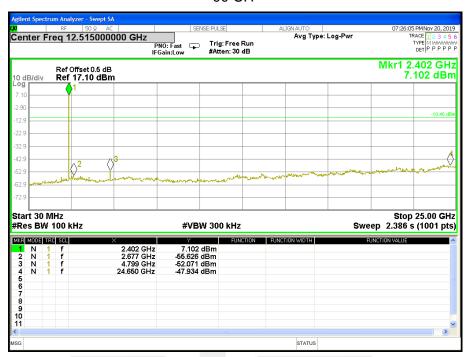


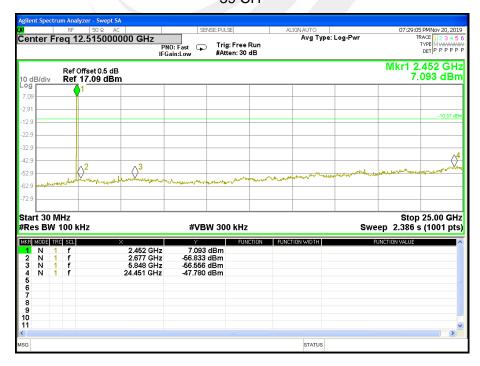


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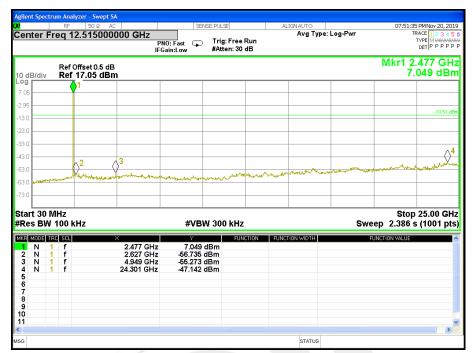
Temperature:	25 ℃	Relative Humidity:	50%
Test Mode:	8DPSK(3Mbps) -00/39/78 CH	Test Voltage:	DC 3.8V from battery

00 CH





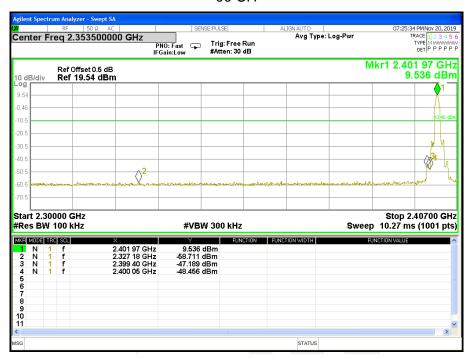






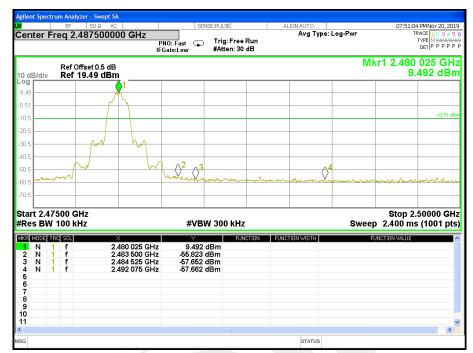
For Band edge

00 CH











For Hopping Band edge

00 CH







5. NUMBER OF HOPPING CHANNEL

5.1 LIMIT

FCC Part 15.247,Subpart C				
Section	Test Item	Limit	FrequencyRange (MHz)	Result
15.247 (a)(1)(iii)	Number of Hopping Channel	≥15	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating FrequencyRange
RB	300KHz
VB	300KHz
Detector	Peak
Trace	Max Hold
Sweep Time Auto	

5.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 300KHz, VBW=300KHz, Sweep time = Auto.

5.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

5.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.





5.5 TEST RESULTS

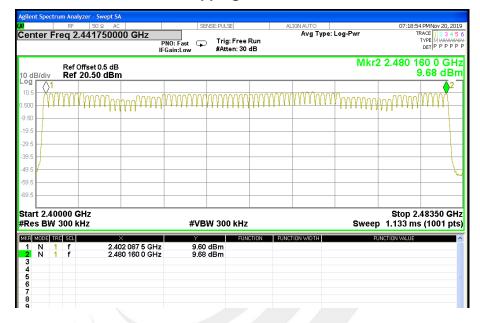
Temperature:	25 ℃	Relative Humidity:	60%
Test Mode:	Hopping Mode -GFSK Mode	Test Voltage:	DC 3.8V from battery

Number of Hopping Channel

79

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Hopping channel





6. AVERAGE TIME OF OCCUPANCY

6.1 LIMIT

FCC Part 15.247,Subpart C				
Section	Test Item	Limit	FrequencyRange (MHz)	Result
15.247 (a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS

6.2 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyzer
- b. Set RBW =1MHz/VBW =3MHz.
- c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.

 Set the center frequency on any frequency would be measure and set the frequency span to
- e. zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- h. Measure the maximum time duration of one single pulse.
- i. DH5 Packet permit maximum 1600/79 / 6 = 3.37 hops per second in each channel (5 time slots RX, 1 time slot TX). Sothe dwell time is the time duration of the pulse times 3.37 x 31.6 = 106.6 within 31.6 seconds.
- j. DH3 Packet permit maximum 1600 / 79 / 4 = 5.06 hops per second in each channel (3 time slots RX, 1 time slot TX). Sothe dwell time is the time duration of the pulse times 5.06 x 31.6 = 160 within 31.6 seconds.
- k. DH1 Packet permit maximum 1600 / 79 /2 = 10.12 hops per second in each channel (1 time slot RX, 1 time slot TX). So the dwell time is the time duration of the pulse times 10.12 x 31.6 = 320 within 31.6 seconds.

6.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

6.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



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6.5 TEST RESULTS

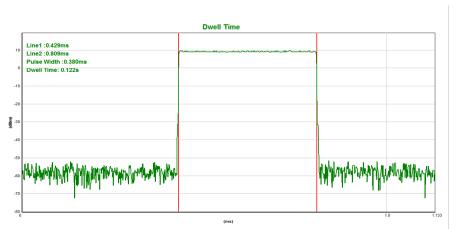
Temperature:	25 ℃	Relative Humidity:	50%
Test Mode:	GFSK(1Mbps)-DH1/DH3/DH5	Test Voltage:	DC 3.8V from battery

Data Packet	Channel	pulse time(ms)	Dwell Time(s)	Limits(s)
DH1	middle	0.380	0.122	0.4
DH3	middle	1.639	0.262	0.4
DH5	middle	2.885	0.308	0.4

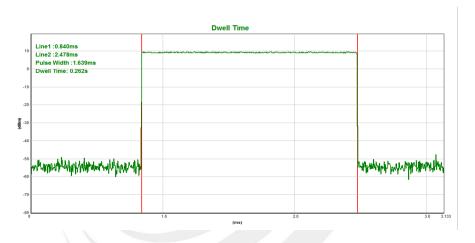




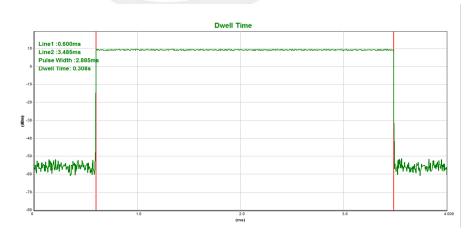
CH39-DH1



CH39-DH3



CH39-DH5





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Temperature:	25 ℃	Relative Humidity:	50%
I DOLINIOND.	π/4-DQPSK(2Mbps)– 2DH1/2DH3/2DH5	Test Voltage:	DC 3.8V from battery

Data Packet	Channel	pulse time(ms)	Dwell Time(s)	Limits(s)
2DH1	middle	0.386	0.124	0.4
2DH3	middle	1.645	0.263	0.4
2DH5	middle	2.893	0.309	0.4





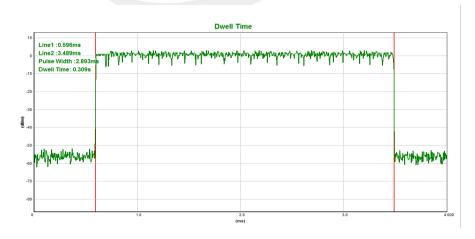
CH39-2DH1



CH39-2DH3



CH39-2DH5





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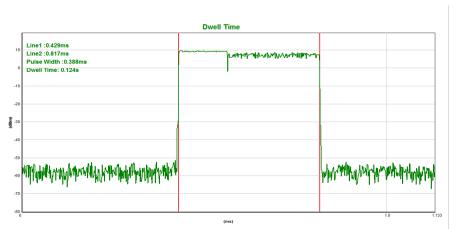
Temperature:	25 ℃	Relative Humidity:	50%
I DOLINIONO.	8DPSK(3Mbps)– 3DH1/3DH3/3DH5	Test Voltage:	DC 3.8V from battery

Data Packet	Channel	pulse time(ms)	Dwell Time(s)	Limits(s)
3DH1	middle	0.388	0.124	0.4
3DH3	middle	1.640	0.262	0.4
3DH5	middle	2.896	0.309	0.4

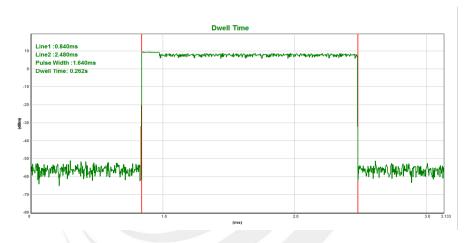




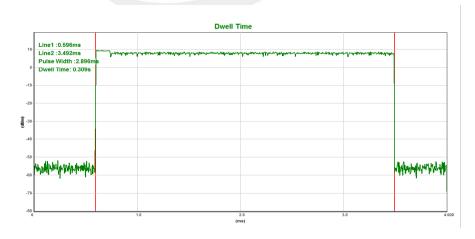
CH39-3DH1



CH39-3DH3



CH39-3DH5





7. HOPPING CHANNEL SEPARATION MEASUREMEN

7.1 LIMIT

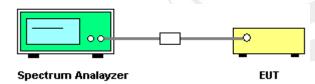
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

Spectrum Parameter	Setting	
Attenuation	Auto	
Span Frequency	> 20 dB Bandwidth or Channel Separation	
RB	30 kHz (20dB Bandwidth) / 30 kHz (Channel Separation)	
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)	
Detector	Peak	
Trace	Max Hold	
Sweep Time	Auto	

7.2 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.
- b. The resolution bandwidth of 30 kHz and the video bandwidth of 100 kHz were utilised for 20 dB bandwidth measurement.
- c. The resolution bandwidth of 30 kHz and the video bandwidth of 100 kHz were utilised for channel separation measurement.

7.3 TEST SETUP



7.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.



7.5 TEST RESULTS

Temperature:	25 ℃	Relative Humidity:	50%
LIACT IVIDAA.	CH00 / CH39 / CH78 (GFSK(1Mbps) Mode)	Test Voltage:	DC 3.8V from battery

Frequency	Mark1 Frequency (MHz)	Mark2 Frequency (MHz)	Ch. Separation (MHz)	Limit (MHz)	Result
2402 MHz	2401.837	2402.836	0.999	0.788	Complies
2441 MHz	2440.837	2441.836	0.999	0.786	Complies
2480 MHz	2478.837	2479.836	0.999	0.787	Complies

For GFSK: Ch. Separation Limits: > 20dB bandwidth

CH00 -1Mbps





CH39 -1Mbps



CH78 -1Mbps





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Temperature:	25 ℃	Relative Humidity:	50%
LIDET IVIDAD.	CH00 / CH39 / CH78 (π/4-DQPSK(2Mbps) Mode)	Test Voltage:	DC 3.8V from battery

Frequency	Mark1 Frequency (MHz)	Mark2 Frequency (MHz)	Ch. Separation (MHz)	Limit (MHz)	Result
2402 MHz	2401.837	2402.836	0.999	0.829	Complies
2441 MHz	2440.837	2441.836	0.999	0.828	Complies
2480 MHz	2478.837	2479.836	0.999	0.826	Complies

For $\pi/4$ -DQPSK(2Mbps): Ch. Separation Limits: > two-thirds 20dB bandwidth

CH00 -2Mbps





CH39 -2Mbps



CH78 -2Mbps





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Temperature:	25 ℃	Relative Humidity:	50%
LIAST IVIONA:	CH00 / CH39 / CH78 (8DPSK(3Mbps)Mode)	Test Voltage:	DC 3.8V from battery

Frequency	Mark1 Frequency (MHz)	Mark2 Frequency (MHz)	Ch. Separation (MHz)	Limit (MHz)	Result
2402 MHz	2401.831	2402.830	0.999	0.831	Complies
2441 MHz	2440.831	2441.830	0.999	0.831	Complies
2480 MHz	2478.831	2479.833	1.002	0.829	Complies

For 8DPSK(3Mbps):Ch. Separation Limits: > two-thirds 20dB bandwidth

CH00 -3Mbps





CH39 -3Mbps



CH78 -3Mbps





8. BANDWIDTH TEST

8.1 LIMIT

FCC Part15 15.247,Subpart C					
Section	Test Item	Limit	FrequencyRange (MHz)	Result	
15.247 (a)(1)	Bandwidth	(20dB bandwidth)	2400-2483.5	PASS	

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 30 kHz (Channel Separation)
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 30KHz, VBW=100KHz, Sweep time = Auto.

8.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

8.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



8.5 TEST RESULTS

Temperature:	25℃	Relative Humidity:	50%
I DOLINIOND.	GFSK(1Mbps) CH00 / CH39 / C78	Test Voltage:	DC 3.8V from battery

Frequency	Frequency 20dB Bandwidth (MHz)	
2402 MHz	0.788	PASS
2441 MHz	0.786	PASS
2480 MHz	0.786	PASS

CH00 -1Mbps





CH39 -1Mbps



CH78 -1Mbps





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Temperature:	25 ℃	Relative Humidity:	50%
I I DOT IVIDAD.	π/4-DQPSK(2Mbps) CH00 / CH39 / C78	Test Voltage:	DC 3.8V from battery

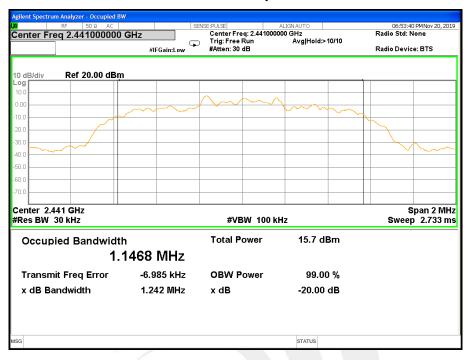
Frequency	20dB Bandwidth (MHz)	Result
2402 MHz	1.243	PASS
2441 MHz	1.242	PASS
2480 MHz	1.239	PASS

CH00 -2Mbps





CH39 -2Mbps



CH78 -2Mbps



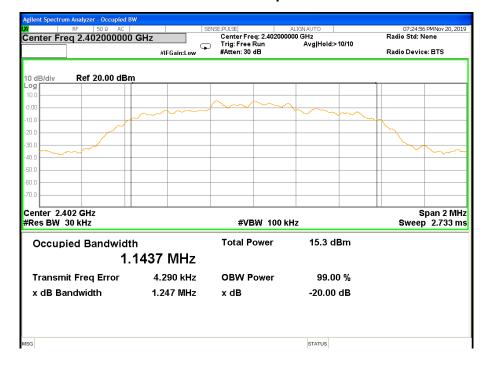


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Temperature:	25℃	Relative Humidity:	50%
I I DCT IVIOND'	8DPSK(3Mbps) CH00 / CH39 / CH78	Test Voltage:	DC 3.8V from battery

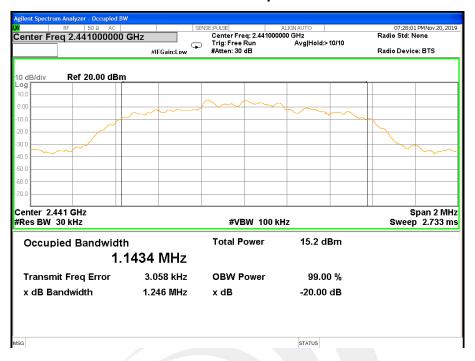
Frequency	20dB Bandwidth (MHz)	Result
2402 MHz	1.247	PASS
2441 MHz	1.246	PASS
2480 MHz	1.244	PASS

CH00 -3Mbps





CH39 -3Mbps



CH78 -3Mbps





9. OUTPUT POWER TEST

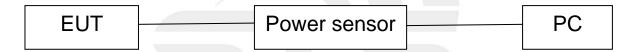
9.1 LIMIT

	FCC Part 15.247,Subpart C				
Section Test Item Limit			FrequencyRange (MHz)	Result	
15.247	Output	1 W or 0.125W			
(a)(1)&(b)(1)	Output Power	if channel separation > 2/3 bandwidthprovided thesystems operatewith an output power no greater than125 mW(20.97dBm)	2400-2483.5	PASS	

9.2 TEST PROCEDURE

a. The EUT was directly connected to the Power Sensor&PC

9.3 TEST SETUP



9.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

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9.5 TEST RESULTS

Temperature:	25℃	Relative Humidity:	60%
Test Voltage:	DC 3.8V from battery		

Mode Channel Number	Channel	Frequency		Peak Power	Average Power	Limit
	(MHz)	(dBm)	(dBm)	(dBm)		
	0	2402	10.30	8.35	30.00	
GFSK(1M)	39	2441	10.03	8.03	30.00	
	78	2480	10.96	8.85	30.00	

Note: the channel separation >20dB bandwidth

Mode Channel Number		Frequency	Peak Power	Average Power	Limit
	(MHz)	(dBm)	(dBm)	(dBm)	
	0	2402	9.71	5.50	20.97
π/4-DQPSK(2M)	39	2441	9.52	5.33	20.97
,	78	2480	9.42	4.98	20.97

Note: the channel separation >2/3 20dB bandwidth

Mode Channel Number		Frequency	Peak Power	Average Power	Limit
	(MHz)	(dBm)	(dBm)	(dBm)	
	0	2402	9.7	5.5	20.97
8-DPSK(3M)	39	2441	9.49	5.32	20.97
	78	2480	9.78	5.52	20.97

Note: the channel separation >2/3 20dB bandwidth



10. ANTENNA REQUIREMENT

10.1 STANDARD 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.

10.2 EUT ANTENNA

The EUT antenna is PIFA Antenna. It comply with the standard requirement.





APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

* * * * * END OF THE REPORT * * * * *

