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EST REPORT

FCC ID: 2AEJAFLIP

Product: MOBILE PHONE

Model No.: FLIP

Additional Model No.: N/A

Trade Mark: RAYO MOVIL

Report No.: WSCT-A2LA-R&E220900006A-BT

Issued Date: 13 October 2022

Issued for:

GSM GLOBE.COM INC

8180 NW 36 Street Suite 317 Doral FL 33166.

Issued By:

World Standardization Certification & Testing Group(Shenzhen) Co., Ltd. Building A-B, Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China

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roup (Shenzhen) Co., Ltd.

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Test Certification

Report No.: WSCT-A2LA-R&E220900006A-BT

Product: MOBILE PHONE

Model No.: FLIP

Additional

N/A Model:

Applicant: GSM GLOBE.COM INC

Address: 8180 NW 36 Street Suite 317 Doral FL 33166.

Manufacturer: GSM GLOBE.COM INC

Address: 8180 NW 36 Street Suite 317 Doral FL 33166.

Date of Test: 23 August 2022 to 13 October 2022

Applicable FCC CFR Title 47 Part 15 Subpart C Section 15.247 Standards:

The above equipment has been tested by World Standardization Certification & Testing Group(Shenzhen) Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

Wang Xiang)

Checked By:

(Qin Shugiuan)

Approved By:

(Wang Fengbing)

Date: 15 October WW

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2. Test Result Summary

	1023	THE TOTAL PROPERTY OF THE PARTY	ATTENDED OF
7	Requirement	CFR 47 Section	Result
	Antenna Requirement	§15.203/§15.247 (c)	PASS
0	AC Power Line Conducted Emission	§15,207	PASS
	Conducted Peak Output Power	§15.247 (b)(1) §2.1046	PASS
2	20dB Occupied Bandwidth	§15.247 (a)(1) §2.1049	PASS
_	Carrier Frequencies Separation	§15.247 (a)(1)	PASS
	Hopping Channel Number	§15.247 (a)(1)	PASS
7	Dwell Time	§15.247 (a)(1)	PASS
	Radiated Emission	§15.205/§15.209 §2.1053, §2.1057	PASS
	Band Edge	§15.247(d) §2.1051, §2.1057	PASS
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Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.

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3. **EUT Description**

Product Name:	MOBILE PHONE
Model :	FLIP
Additional Model:	N/A
Trade Mark:	RAYO MOVIL
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	1MHz W.747
Number of Channel:	79
Modulation Type:	GFSK, π/4-DQPSK, 8DPSK
Modulation Technology:	FHSS
Antenna Type:	Integral Antenna
Antenna Gain:	1.13 dBi
Rechargeable Li-ion Polymer Battery:	Model: FLIP Type: 3.7V Rated Capacity: 800mAh/2.96Wh Max Charge Voltage: 4.2V
Adapter:	Model: Rok2 Input: 100-240V~50/60Hz 0.15A Output:5.0V===1A
Remark:	N/A.



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Operation Frequency each of channel for GFSK, π/4-DQPSK, 8DPSK

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
	X		X		X		X
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	59	2461MHz	17276	
	1 10 11 18 19	0 2402MHz 1 2403MHz 10 2412MHz 11 2413MHz 18 2420MHz 19 2421MHz	0 2402MHz 20 1 2403MHz 21 10 2412MHz 30 11 2413MHz 31 18 2420MHz 38 19 2421MHz 39	0 2402MHz 20 2422MHz 1 2403MHz 21 2423MHz 10 2412MHz 30 2432MHz 11 2413MHz 31 2433MHz 18 2420MHz 38 2440MHz 19 2421MHz 39 2441MHz	0 2402MHz 20 2422MHz 40 1 2403MHz 21 2423MHz 41 10 2412MHz 30 2432MHz 50 11 2413MHz 31 2433MHz 51 18 2420MHz 38 2440MHz 58 19 2421MHz 39 2441MHz 59	0 2402MHz 20 2422MHz 40 2442MHz 1 2403MHz 21 2423MHz 41 2443MHz 10 2412MHz 30 2432MHz 50 2452MHz 11 2413MHz 31 2433MHz 51 2453MHz 18 2420MHz 38 2440MHz 58 2460MHz 19 2421MHz 39 2441MHz 59 2461MHz	0 2402MHz 20 2422MHz 40 2442MHz 60 1 2403MHz 21 2423MHz 41 2443MHz 61 10 2412MHz 30 2432MHz 50 2452MHz 70 11 2413MHz 31 2433MHz 51 2453MHz 71 18 2420MHz 38 2440MHz 58 2460MHz 78 19 2421MHz 39 2441MHz 59 2461MHz

Remark: Channel 0, 39 &78 have been tested for GFSK, π/4-DQPSK, 8DPSK modulation mode.

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AVE:					V514 A
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NVA-1					145141
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			NV NV		7/5/4/
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4. Genera Information

4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations with Fully-charged battery

The sample was placed 0.8m & 1.5m for the measurement below & above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

4.2. Description of 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.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
Adapter	Adapter	1	1	ADAPTER

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 20dB Occupied Bandwidth, Carrier Frequencies Separation, Hopping Channel Number, Dwell Time, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



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5. Facilities and Accreditations

5.1. Facilities

All measurement facilities used to collect the measurement data are located at Building A-B, Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China of the World Standardization Certification & Testing Group(Shenzhen) Co., Ltd.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.2. ACCREDITATIONS

China National Accreditation Service for Conformity Assessment (CNAS)
Registration number NO: L3732

American Association for Laboratory Accreditation(A2LA)

Registration NO: 5768.01

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Copies of granted accreditation certificates are available for downloading from our web site, http://www.wsct-cert.com



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5.3 Measurement Uncertainty

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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	MU
0	1	Conducted Emission Test	±3.2dB
	2	RF power, conducted	±0.16dB
	3	Spurious emissions, conducted	±0.21dB
7	4	All emissions, radiated(<1GHz)	±4.7dB
	5	All emissions, radiated(>1GHz)	±4.7dB
	6	Temperature W507	±0.5°C
	7	Humidity	±2.0%

	A1111	NYSTOT	WEIGH	NY514	WEIGH
N/ESTATI	$\langle \ \rangle$	WHI THE		5191	7/5/4
	W-5147	NV-51-81	NVET 4	Wister	VIETA I
NV651411	$\langle \ \rangle$			X	WEIGH
	WEIGH	AVISTO	AVSIG	WSIII	11/51/97
WHO	$\langle \ \rangle$			\times	N5101
	X	WATER A	WEIGH	N/STATE OF	VII-51-01
rdization Com	WSET Shenz			2700	2300

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5.4 MEASUREMENT INSTRUMENTS

ATTITUTE		ATT TO SERVICE	Aller	The second	100	J.	
/	NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibrati on Due.	200
\	Test software		EZ-EMC	CON-03A	- /	\wedge	
9	EMI Test Receiver	R&S	/5 / ESCI	100005	11/05/2021	11/04/2022	
	LISN	AFJ	LS16	16010222119	11/05/2021	11/04/2022	1
	LISN(EUT)	Mestec	AN3016	04/10040	11/05/2021	11/04/2022	/
	Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2021	11/04/2022	Z:
/	Coaxial cable	Megalon	LMR400	N/A	11/05/2021	11/04/2022	
7	GPIB cable	Megalon	GPIB	N/A	11/05/2021	11/04/2022	
7	Spectrum Analyzer	R&S	FSU	100114	11/05/2021	11/04/2022	
	Pre Amplifier	H.P.	HP8447E	2945A02715	11/05/2021	11/04/2022	
	Pre-Amplifier	CDSI	PAP-1G18-38	-	11/05/2021	11/04/2022	Z
,	Bi-log Antenna	SUNOL Sciences	JB3	A021907	11/05/2021	11/04/2022	
	9*6*6 Anechoic		Х	X	11/05/2021	11/04/2022	
3	Horn Antenna	COMPLIANCE ENGINEERING	CE18000	17274	11/05/2021	11/04/2022	
	Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	11/05/2021	11/04/2022	1
	Cable	TIME MICROWAVE	LMR-400	N-TYPE04	11/05/2021	11/04/2022	/
	System-Controller	ccs	N/AW/SZ	N/A	N.C.R	N.C.R	Z
/	Turn Table	ccs	N/A	N/A	N.C.R	N.C.R	
1	Antenna Tower	ccs	N/A	N/A	N.C.R	N.C.R	
4	RF cable	Murata	MXHQ87WA3000	11679	11/05/2021	11/04/2022	
	Loop Antenna	EMCO	6502	00042960	11/05/2021	11/04/2022	-
	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2021	11/04/2022	
	Power meter	Anritsu	ML2487A	6K00003613	11/05/2021	11/04/2022	ď.
1	Power sensor	Anritsu	MX248XD	- X	11/05/2021	11/04/2022	



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6. Test Results and Measurement Data

6.1. Antenna requirement

Standard requirement:

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is a Integral Antenna. it meets the standards, and the best case gain of the antenna is 1.13dBi.

Antenna ·













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6.2. Conducted Emission

Test Requirement: FCC Part15 C Section 15.207 Test Method: ANSI C63.10:2014 Frequency Range: 150 kHz to 30 MHz Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto Frequency range Limit (dBuV) (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Test Setup: Test table/Insulation plane Remark E.U.T. AC power Test table height=0 bm Test Mode: Refer to item 4.1 1. The E.U.T is connected to an adapter through a lir impedance stabilization network (L.I.S.N.). The provides a 50ohm/50uH coupling impedance for the	6.2.1. Test Specification						
Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto	Test Requirement:	FCC Part15 C Section	15.207	X			
Receiver setup: RBW=9 kHz, VBW=30 kHz, Sweep time=auto Frequency range Limit (dBuV) (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane Remark EU.T Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0 8m Refer to item 4.1 1. The E.U.T is connected to an adapter through a lir impedance stabilization network (L.I.S.N.). The	Test Method:	ANSI C63.10:2014	WEIGH	THEFT			
Frequency range (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane LISN LISN EMI Receiver	Frequency Range:	150 kHz to 30 MHz	>				
Limits: (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 Reference Plane LISN	Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	=auto			
Test Setup: E.U.T		(MHz) 0.15-0.5 0.5-5	Quasi-peak 66 to 56*	Average 56 to 46* 46			
Test Setup: Test table/Insulation plane EMI Receiver		Reference	e Plane				
Test table/Insulation plane Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m Test Mode: Refer to item 4.1 1. The E.U.T is connected to an adapter through a lir impedance stabilization network (L.I.S.N.). Th	X		80cm Filter	—— AC power			
1. The E.U.T is connected to an adapter through a lir impedance stabilization network (L.I.S.N.). The		Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Ne	Receiver	2			
impedance stabilization network (L.I.S.N.). Th	Test Mode:	Refer to item 4.1	X	X			
measuring equipment. 2. The peripheral devices are also connected to the ma power through a LISN that provides a 50ohm/50u coupling impedance with 50ohm termination. (Pleas		impedance stabilize provides a 50ohm/5 measuring equipment 2. The peripheral device power through a LI	cation network 50uH coupling import nt. ces are also conne	(L.I.S.N.). This pedance for the ected to the main a 500hm/50uH			
refer to the block diagram of the test setup ar photographs). 3. Both sides of A.C. line are checked for maximu conducted interference. In order to find the maximu emission, the relative positions of equipment and all the interface cables must be changed according to ANSI C63.10:2014 on conducted measurement.	WETER	refer to the block diagram of the test setup ar photographs). 3. Both sides of A.C. line are checked for maximu conducted interference. In order to find the maximu emission, the relative positions of equipment and all the interface cables must be changed according to					
Test Result: PASS	Test Result:	PASS	X	X			







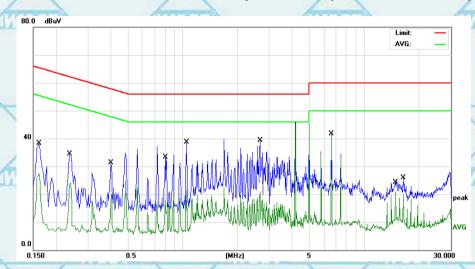
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6.2.2. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



- 7									
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
6			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
A.	1		0.1620	27.98	10.41	38.39	65.36	-26.97	QP
	2		0.2420	13.65	10.42	24.07	52.02	-27.95	AVG
	3		0.4020	20.83	10.45	31.28	57.81	-26.53	QP
_	4		0.4060	9.59	10.45	20.04	47.73	-27.69	AVG
\	5		0.8020	7.47	10.49	17.96	46.00	-28.04	AVG
	6		1.0500	28.23	10.52	38.75	56.00	-17.25	QP
6	7		2.6660	28.64	10.67	39.31	56.00	-16.69	QP
1	8		2.6660	10.16	10.67	20.83	46.00	-25.17	AVG
	9		6.6020	30.89	10.72	41.61	60.00	-18.39	QP
	10	*	6.6020	30.23	10.72	40.95	50.00	-9.05	AVG
	11		14.8500	9.88	11.05	20.93	50.00	-29.07	AVG
	12		16.4380	14.76	11.06	25.82	60.00	-34.18	QP

Note:

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Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

 $Limit (dB\mu V) = Limit stated in standard$

Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)

Q.P. =Quasi-Peak

AVG =average

is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

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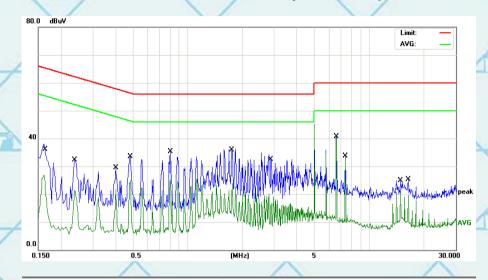


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Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
ľ			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
	1		0.1650	23.88	10.41	34.29	65.20	-30.91	QP
ľ	2		0.2380	10.99	10.42	21.41	52.16	-30.75	AVG
-	3		0.4020	19.13	10.45	29.58	57.81	-28.23	QP
	4		0.4020	11.22	10.45	21.67	47.81	-26.14	AVG
	5		0.4820	14.51	10.47	24.98	46.30	-21.32	AVG
0	6		0.8020	24.78	10.49	35.27	56.00	-20.73	QP
	7		1.7620	13.28	10.62	23.90	46.00	-22.10	AVG
	8		2.8740	21.86	10.67	32.53	56.00	-23.47	QP
J	9	*	6.5940	29.16	10.72	39.88	50.00	-10.12	AVG
	10		7.4020	23.05	10.74	33.79	60.00	-26.21	QP
	11		14.8780	10.27	11.05	21.32	50.00	-28.68	AVG
	12		16.4420	14.23	11.06	25.29	60.00	-34.71	QP

Note1:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak AVG =average

is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

Note2:

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Measurements were conducted in all three channels (high, middle, low) and three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (Lowest channel and GFSK) was submitted only.

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Conducted Output Power

6.3.1. Test Specification

	X X X
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.10:2014
Limit:	Section 15.247 (b) The maximum peak conducted output power of the intentional radiator shall not exceed the following: (1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	Use the following spectrum analyzer settings: Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel RBW > the 20 dB bandwidth of the emission being measured VBW ≥ RBW Sweep = auto Detector function = peak Trace = max hold Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission.
Test Result:	PASS











Report No.: WSCT-A2LA-R&E220900006A-BT

Certificate #5768.01

For Question,
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6.3.2. Test Data

GFSK mode	GFSK mode						
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result				
Lowest	8.68	20.97	PASS				
Middle	10.13	20.97	PASS				
Highest	7.40	20.97	PASS				

i/4DQPSK mode			
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
Lowest	3.64	20.97	PASS
Middle	5.52	20.97	PASS
Highest	2.75	20.97	PASS
•	Test channel Lowest Middle	Test channel Peak Output Power (dBm) Lowest 3.64 Middle 5.52	Test channel Peak Output Power (dBm) Limit (dBm) Lowest 3.64 20.97 Middle 5.52 20.97

- 6				
6	8DPSK mode			
	Test channel	Peak Output Power (dBm)	Limit (dBm)	Result
	Lowest	7.79	20.97	PASS
	Middle	9.13	20.97	PASS
	Highest	6.66	20.97	PASS
	Middle	7.79 9.13	20.97	PASS

Test plots as follows:

Standard Communication (Convicuo) S

TOTAL WISTON







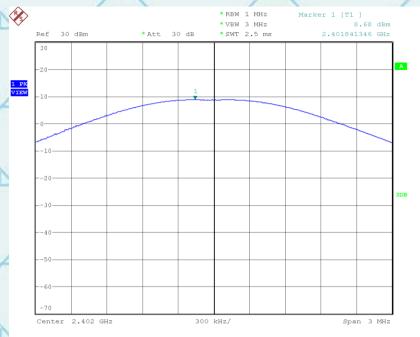


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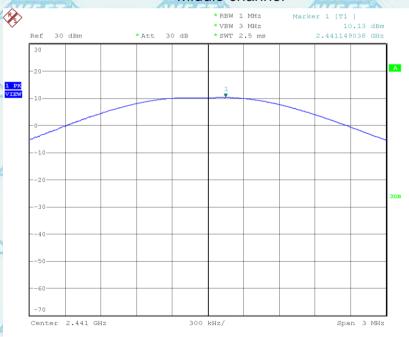
Lowest channel

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Date: 7.SEP.2022 14:10:06

Middle channel



Date: 7.SEP.2022 14:09:39

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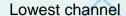






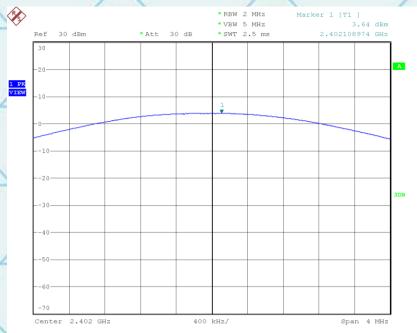
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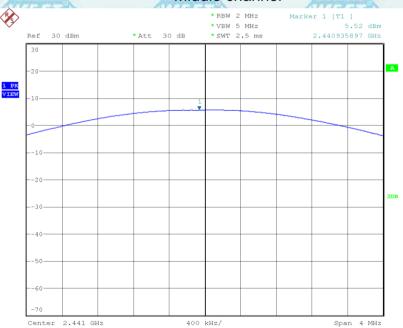
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Date: 7.SEP.2022 13:58:31

Middle channel



Date: 7.SEP.2022 13:59:28

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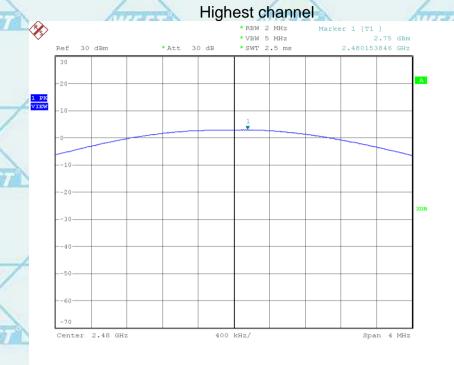




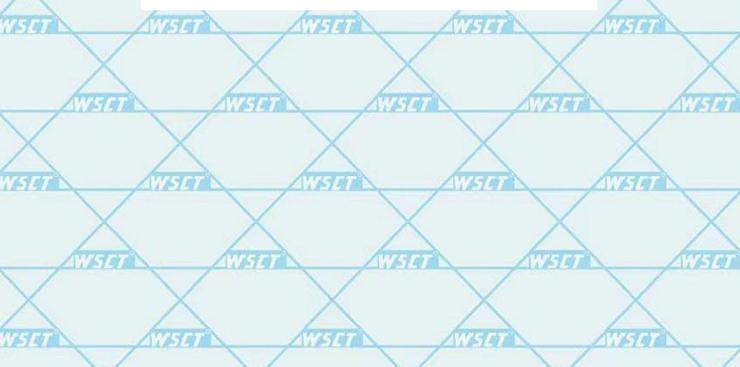
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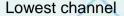




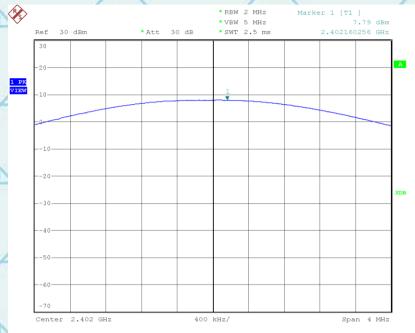


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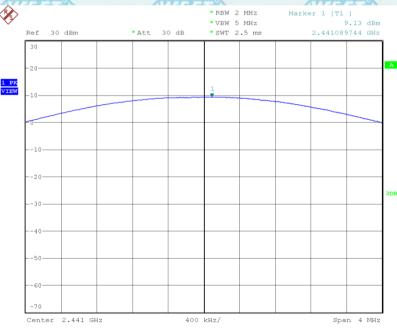






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Middle channel



Date: 7.SEP.2022 14:02:14

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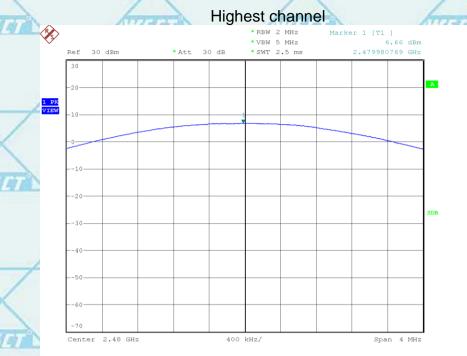




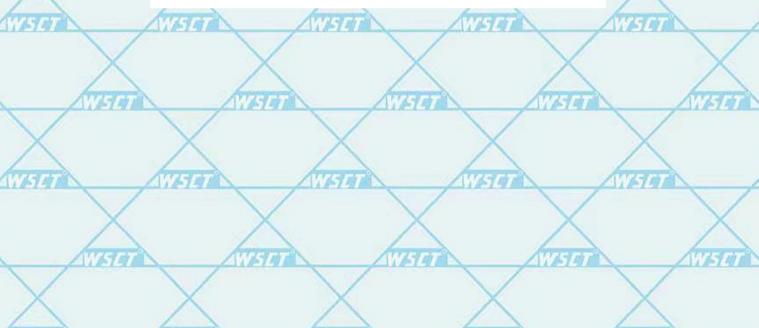
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6.4. 20dB Occupy Bandwidth

6.4.1. Test Specification

FCC Part15 C Section 15.247 (a)(1)
ANSI C63.10:2014
N/A
Spectrum Analyzer EUT
Transmitting mode with modulation
 The testing follows ANSI C63.10:2014 Measurement Guidelines. 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. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel; 1%≤ RBW ≤ 5% of the 20 dB bandwidth; VBW≥3RBW; Sweep = auto; Detector function = peak; Trace = max hold. Measure and record the results in the test report.
PASS



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6.4.2. Test data

	The Property of the Control of the C					
Test channel	20dB Occupy Bandwidth (kHz)					
rest charmer	GFSK	π/4-DQPSK	8DPSK	Conclusion		
Lowest	831.73	1221.12	1274.04	PASS		
Middle	826.92	1264.42	1269.23	PASS		
Highest	831.73	1264.42	1269.23	PASS		

Test plots as follows:

WEIGH	NI STATE	WEIT	WSGT	WSGI	
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GFSK Modulation

World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.



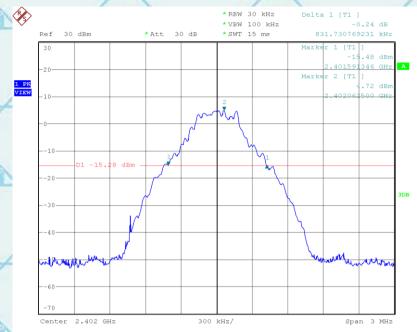




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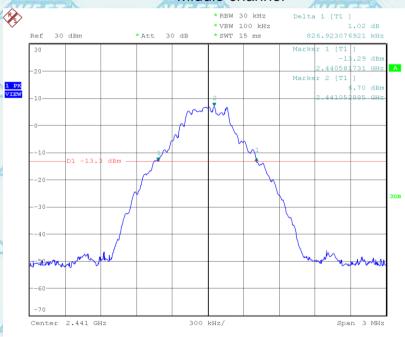
Please Contact with WSCT www.wsct-cert.com

Lowest channel



Date: 9.SEP.2022 09:58:22

Middle channel



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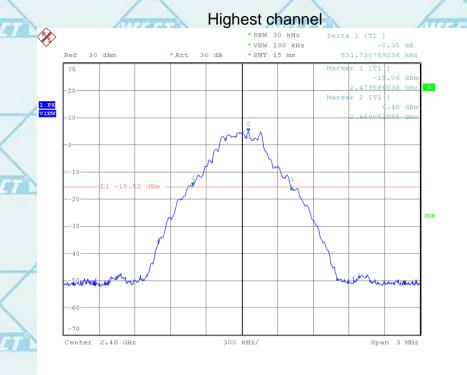




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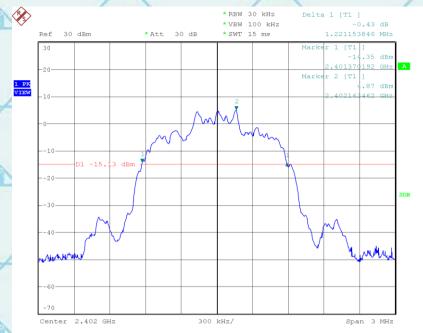


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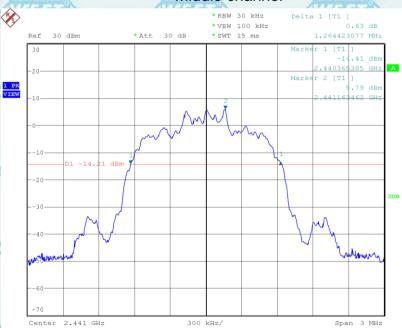
Lowest channel

Certificate #5768.01 For Question, Please Contact with WSCT www.wsct-cert.com



Date: 7.SEP.2022 14:44:23

Middle channel



Date: 7.SEP.2022 14:46:01

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Date: 7.SEP.2022 14:47:25

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8DPSK Modulation

World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.



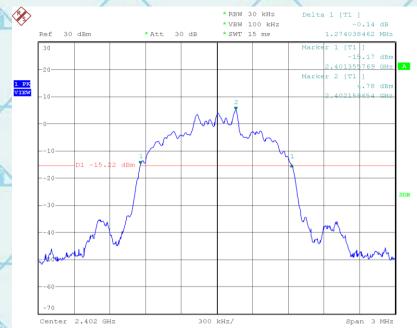




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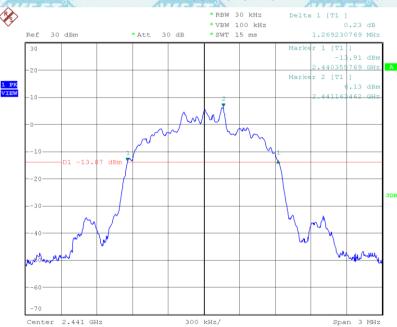
Please Contact with WSCT www.wsct-cert.com

Lowest channel



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Middle channel



Date: 7.SEP.2022 14:34:10

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Solvon * PT





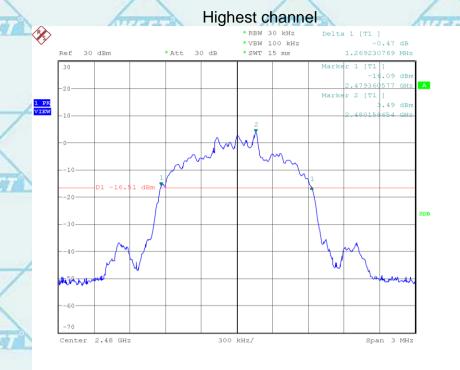




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6.5. Carrier Frequencies Separation

6.5.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2014
Limit:	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.
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Hopping mode
Test Procedure:	 The testing follows ANSI C63.10:2014 Measurement Guidelines. 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. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = wide enough to capture the peaks of two adjacent channels; RBW is set to approximately 30% of the channel spacing, adjust as necessary to best identify the center of each individual channel; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Record the value in report.
Test Result:	PASS



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6.5.2. Test data

GFSK mode						
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result			
Lowest	1003.21	2/3*20dB BW	PASS			
Middle	996.79	2/3*20dB BW	PASS			
Highest	1003.21	2/3*20dB BW	PASS			

	Pi/4 DQPSK mode					
000	Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result		
	Lowest	1003.21	2/3*20dB BW	PASS		
	Middle	1003.21	2/3*20dB BW	PASS		
	Highest	1000.00	2/3*20dB BW	PASS		

	8DPSK mode					
	Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result		
	Lowest	1000.21	2/3*20dB BW	PASS		
	Middle	1003.21	2/3*20dB BW	PASS		
7	Highest	1000.00	2/3*20dB BW	PASS		

World Standard Standa







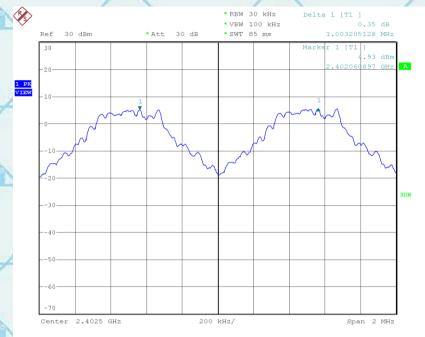


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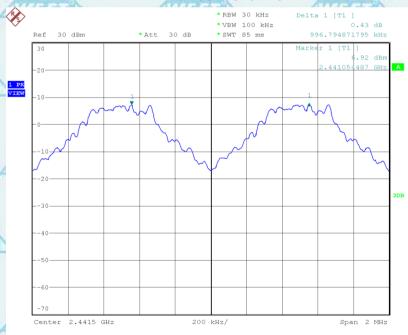
Lowest channel

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Date: 9.SEP.2022 10:03:00

Middle channel



Date: 7.SEP.2022 15:12:14

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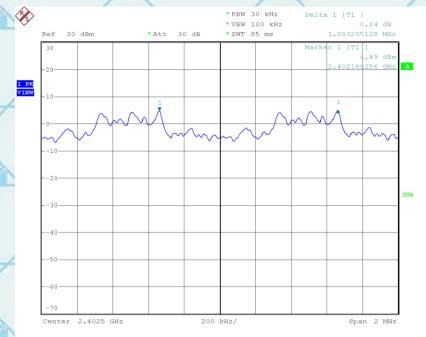


Report No.: WSCT-A2LA-R&E220900006A-BT Pi/4DQPSK Modulation

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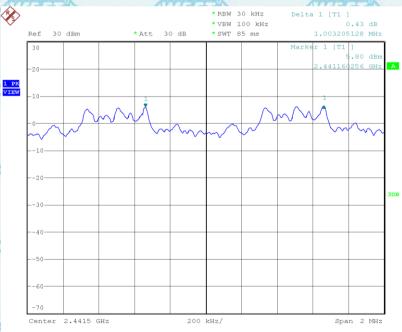
Please Contact with WSCT www.wsct-cert.com

Lowest channel



Date: 7.SEP.2022 14:58:21

Middle channel



Date: 7.SEP.2022 15:01:43

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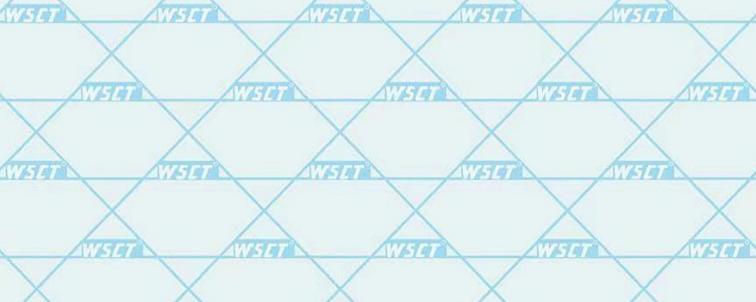


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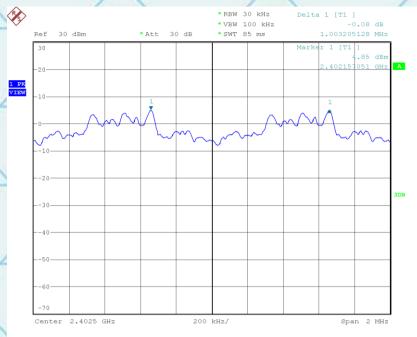
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8DPSK Modulation

Lowest channel

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Date: 7.SEP.2022 15:08:26

Middle channel



Date: 7.SEP.2022 15:07:01

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Date: 7.SEP.2022 15:04:45

6.6. Hopping Channel Number

6.6.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2014
Limit:	Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Hopping mode
Test Procedure:	 The testing follows ANSI C63.10:2014 Measurement Guidelines. 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.

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Report No.: WSCT-A2LA-R&E220900006A-BT	Certificate #5768.01 For Quesi	est Ventral Control
	4. Enable the EUT hopping function. Please contact	
	5. Use the following spectrum analyzer settings: Span www wsct-co	ert.com
	the frequency band of operation; set the RBW to less	123
7	than 30% of the channel spacing or the 20 dB	
	bandwidth, whichever is smaller; VBW≥RBW; Sweep	
	= auto; Detector function = peak; Trace = max hold.	
	6. The number of hopping frequency used is defined as	1
	the number of total channel.	-
	7. Record the measurement data in report.	/
Test Result:	PASS	
AUG TO AU	ATTENDED ATTENDED	The same of the sa

Mode

6.6.2. Test data

Hopping channel Limit Result numbers GFSK, P/4-DQPSK, 8DPSK **PASS**

15

Test plots as follows:

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World Standardization Certification & Testing Group (Shenzhen) Co.,Ltd.



Span 83.5 MHz





Report No.: WSCT-A2LA-R&E220900006A-BT

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Date: 13.0CT.2022 14:10:08

Center 2.44175 GHz









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6.7. Dwell Time

6.7.1. Test Specification

Test Requirem	ent:	FCC Part15	C Section	15.247 (a)(1)	X
Test Method:		ANSI C63.10	0:2014	WHIT		THEFT
Limit:		The average be greater the seconds mu employed.	nan 0.4 se	conds withir	n a period o	of 0.4
Test Setup:		Spectrum Analy	yzer		Е	X
Test Mode:		Hopping mo	de	WSET		WSET
Test Procedure	e:	path loss measure 3. Set to the EUT tran 4. Enable th 5. Use the f zero spanshall be RBW sho dwell tim necessar	es. putput of En analyzer was completed was completed was continued by the continued by the captured by to captured by the cap	by RF cable pensated to m power set nuously. Spping function pectrum and on a hoppel spacing at >> 1 / T, whenel; VBW in the entire Detector function by the control of the	anected to to and attendent the results ting and enting and enting channed where part on the tent on t	he uator. The for each able the expected ep = as e per k; Trace =
Test Result:		PASS				
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6.7.2. Test Data

	C 1 A 7 4 M				4/4	Z 1 1 1 7 7 8		
	Mode	Packet	Frequency	Package Transfer Time (ms)	Dwell time (second)	Limit (second)	Result	
	GFSK	DH1	2402MHz	0.376	0.122	0.4	PASS	
	GFSK	DH1	2441MHz	0.376	0.122	0.4	PASS	
	GFSK	DH1	2480MHz	0.376	0.122	0.4	PASS	ز
-	GFSK	DH3	2402MHz	1.632	0.262	0.4	PASS	8
	GFSK	DH3	2441MHz	1.632	0.262	0.4	PASS	
1	GFSK	DH3	2480MHz	1.632	0.262	0.4	PASS	
	GFSK	DH5	2402MHz	2.880	0.308	0.4	PASS	5
	GFSK	DH5	2441MHz	2.880	0.305	0.4	PASS	
	GFSK	DH5	2480MHz	2.880	0.305	0.4	PASS	ŕ
	- 1 Am 1 Am 1					Control of the Part of the Par		4

Note: 1. In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels.

For DH1, With channel hopping rate (1600/2/79) in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600/2/79) \times (0.4 \times 79) = 320$ hops

For DH3, With channel hopping rate (1600 / 4 / 79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to $(1600 / 4 / 79) \times (0.4 \times 79) = 160 \text{ hops}$

For DH5, With channel hopping rate (1600 / 6 / 79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to $(1600 / 6 / 79) \times (0.4 \times 79) = 106.67$ hops

2. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

Test plots as follows:

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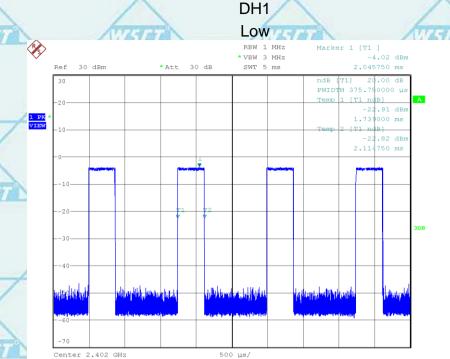




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Date: 7.SEP.2022 15:18:12

Middle

Date: 7.SEP.2022 15:18:55

Date: 7.SEP.2022 15:18:55





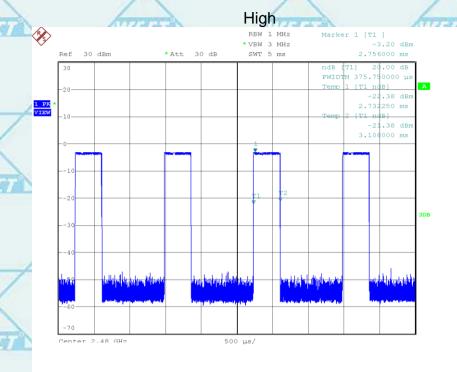




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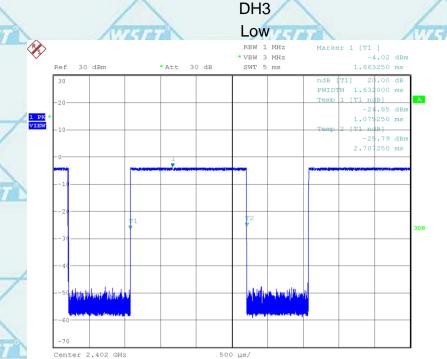






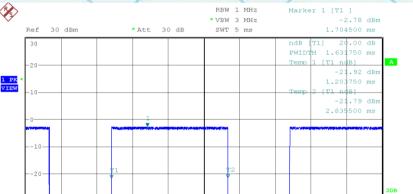


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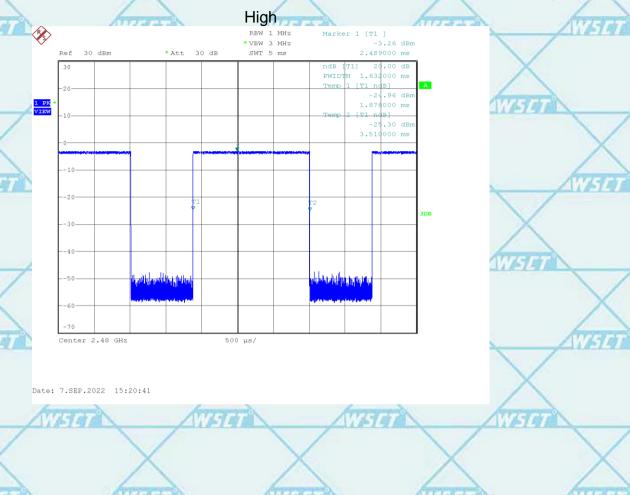




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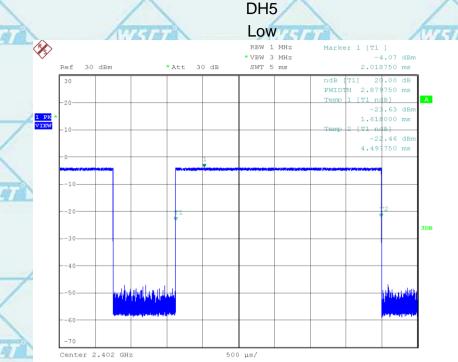








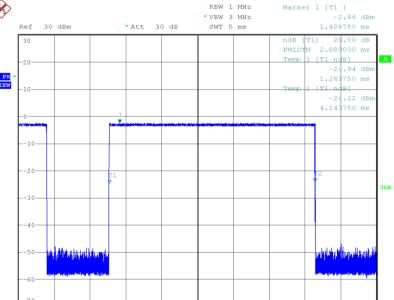
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Date: 7.SEP.2022 15:23:41

Middle





Center 2.441 GHz 500 μs/

Date: 7.SEP.2022 15:24:06

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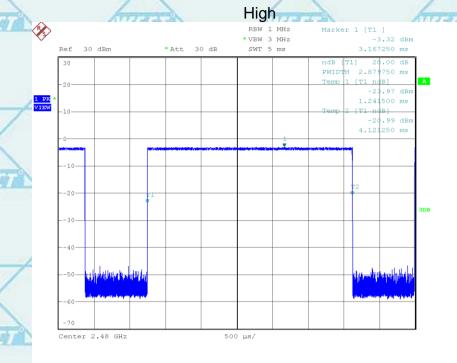








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6.8. Pseudorandom Frequency Hopping Sequence

Test Requirement: FCC Part15 C Section 15.247 (a)(1) requirement:

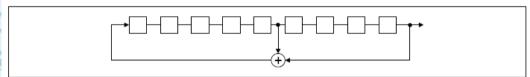
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

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. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

EUT Pseudorandom Frequency Hopping Sequence

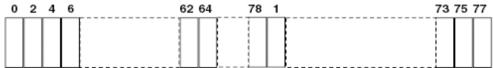
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: 29-1 = 511 bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.











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6.9. Conducted Band Edge Measurement

6.9.1. Test Specification

	Signi Tool openingation	
	Test Requirement:	FCC Part15 C Section 15.247 (d)
	Test Method:	ANSI C63.10:2014
7	Limit:	In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.
	Test Setup:	Spectrum Analyzer EUT
	Test Mode:	Transmitting mode with modulation
	Test Procedure:	 The testing follows the guidelines in Band-edge Compliance of RF Conducted Emissions of ANSI C63.10:2014 Measurement Guidelines. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz (≥1% span=10MHz), VBW = 300 kHz (≥RBW). Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used. Enable hopping function of the EUT and then repeat step 2 and 3. Measure and record the results in the test report.
	Test Result:	PASS
	ATTYTE TOWN	THE APPEAR OF A PARTY





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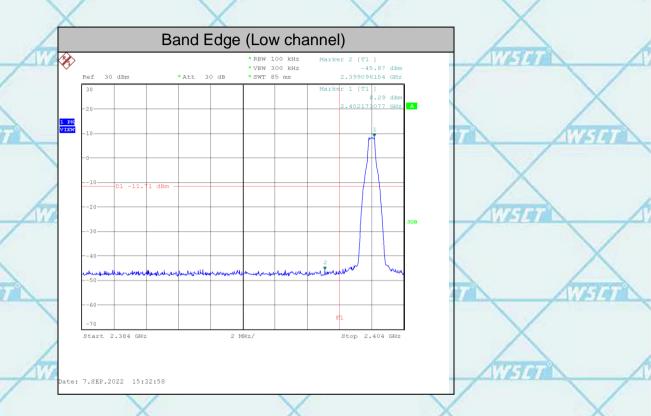


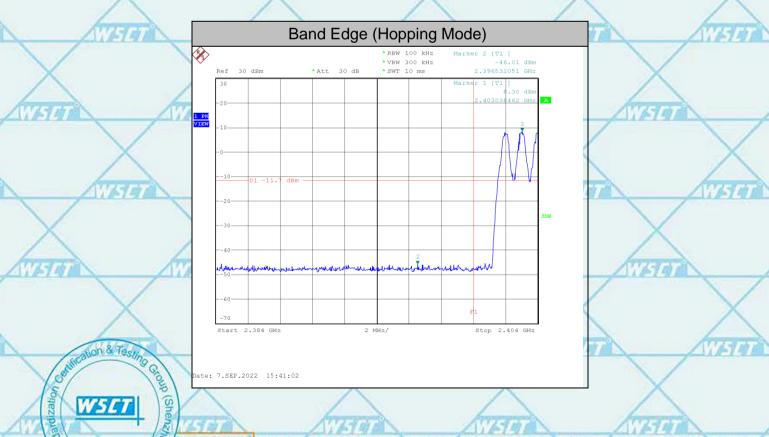
Report No.: WSCT-A2LA-R&E220900006A-BT Certificate #5768.01

6.9.2. Test Data

GFSK Modulation (the worst case)

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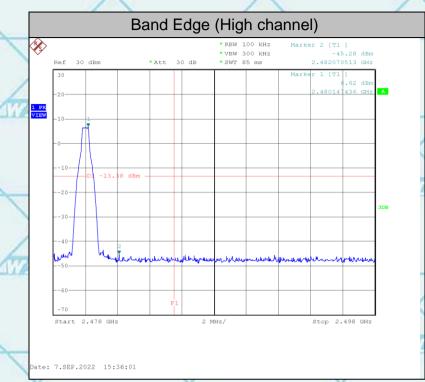




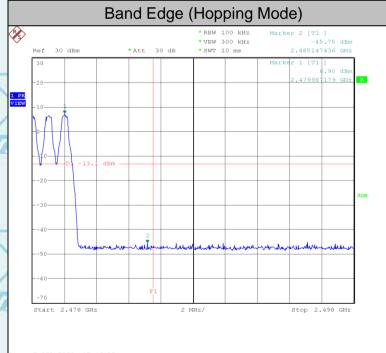
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6.10. Conducted Spurious Emission Measurement

6.10.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2014
Limit:	In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
	 The testing follows the guidelines in Spurious RF Conducted Emissions of ANSI C63.10:2014 Measurement Guidelines 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.
Test Procedure:	 Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW = 300kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Test Result:	PASS PASS



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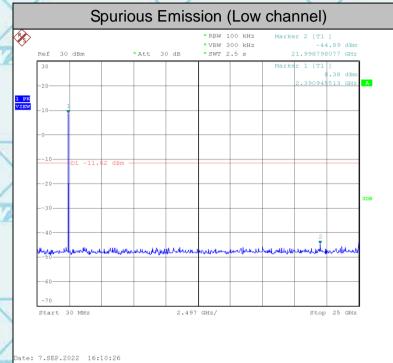
Report No.: WSCT-A2LA-R&E220900006A-BT

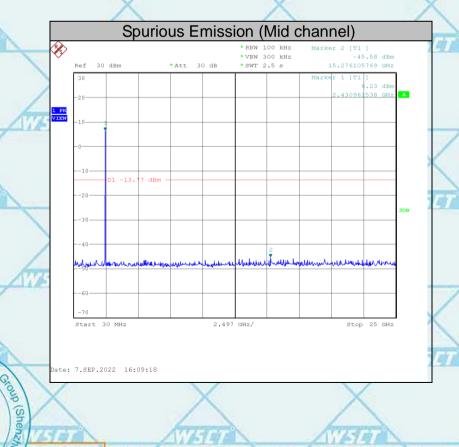
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6.10.2. Test Data







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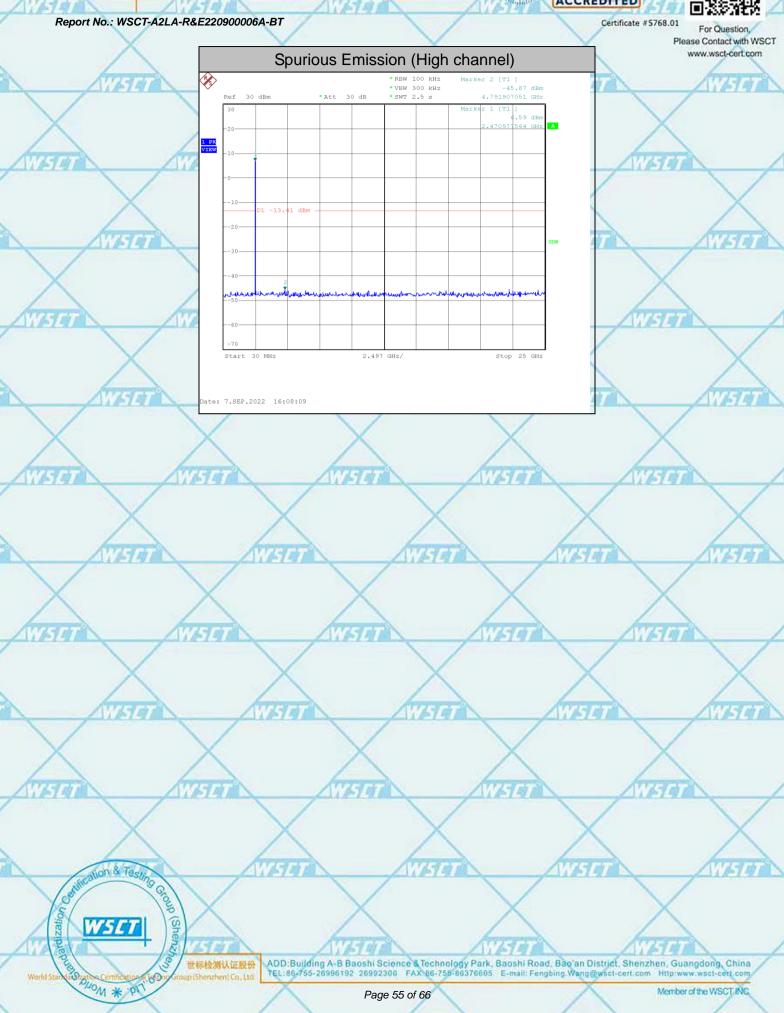








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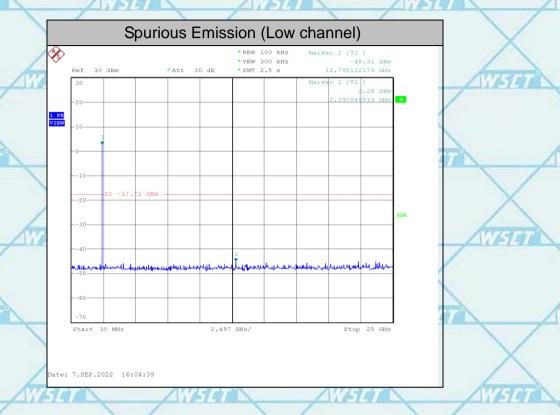
Report No.: WSCT-A2LA-R&E220900006A-BT

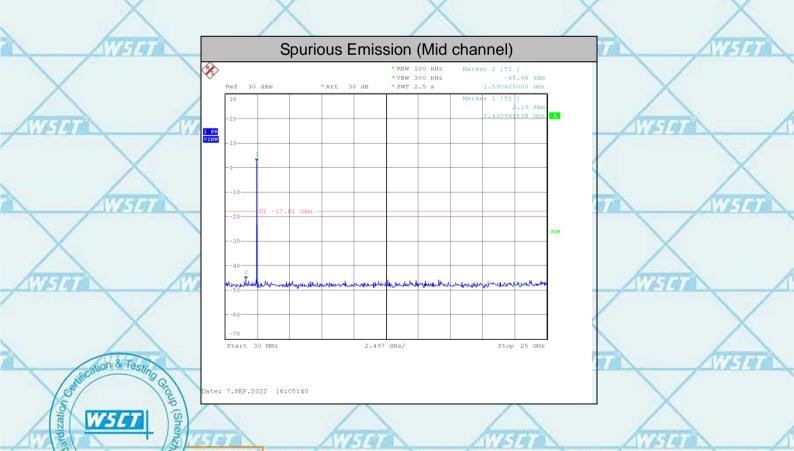
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Pi/4DQPSK mode

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ADD:Building A-B Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China TEL:86:755-26996192 26992306 FAX:86:755-86376605 E-mail: Fengbing.Wang@wsci-cert.com Http://www.wsci-cert.com

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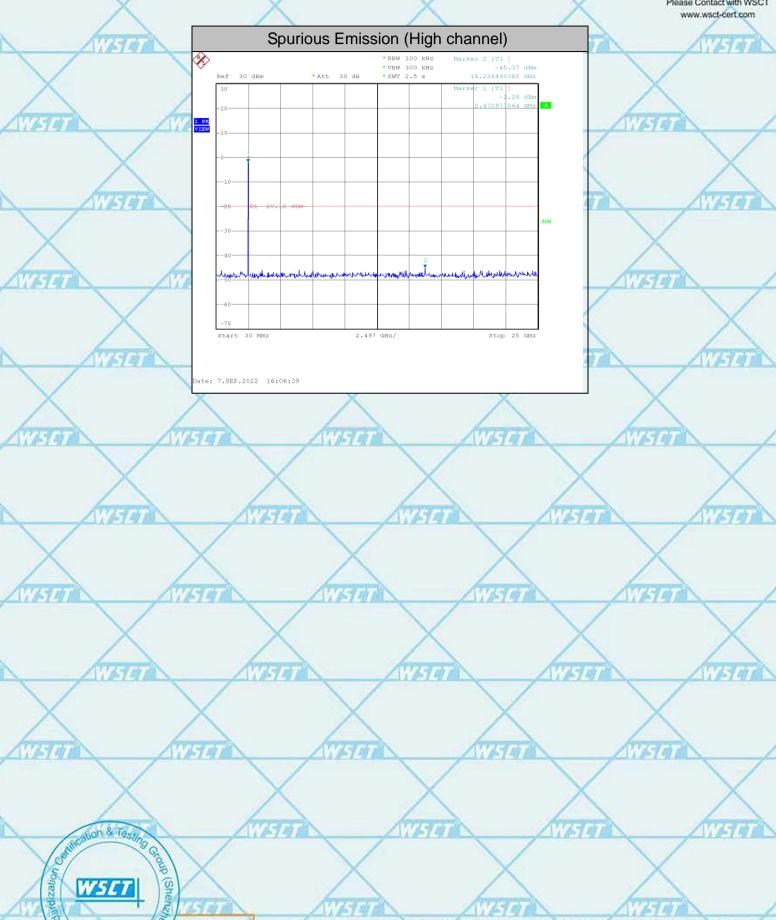




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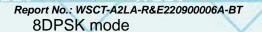








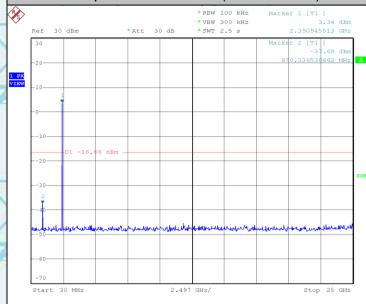




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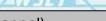


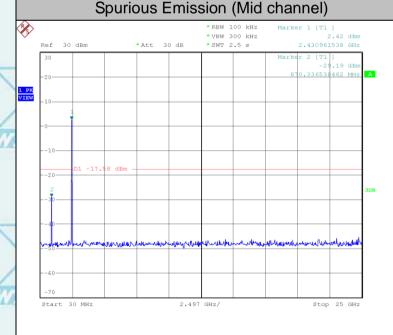


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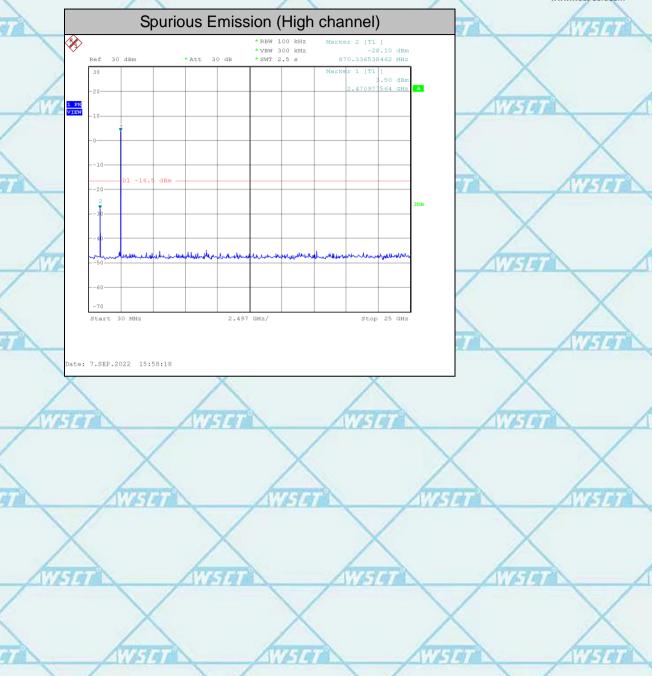




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Average Value

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6.11. Radiated Spurious Emission Measurement

7	6.11.1. Test Specification			1					
	Test Requirement:	FCC Part15	FCC Part15 C Section 15.209						
0	Test Method:	ANSI C63.10:2014							
	Frequency Range:	9 kHz to 25 GHz 3 m							
	Measurement Distance:								
	Antenna Polarization:	Horizontal &	Vertical		AVIS	Ta			
		Frequency	Detector	RBW	VBW	Remark			
	X	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value			
		150kHz-	Quasi-peak	9kHz	30kHz	Quasi-peak Value			
8	Receiver Setup:	30MHz		117577		ATTENTO			
		30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value			
		Above 1GHz	Peak	1MHz	3MHz	Peak Value			
	A	Above IGHZ	Dook	11/14	1047	Avorago Valuo			

Frequency	Field Strength	Measurement
Trequency	(microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000/F(KHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

1MHz

10Hz

	0.009-0.490	2400/F(KHz)	300
X	0.490-1.705	24000/F(KHz)	30
	1.705-30	30	30
W5147	30-88	100	357
	88-216	150	3
_imit:	216-960	200	3
\wedge	Above 960	500	3

Peak

Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector
Abaya 4CH	500	3	Average
Above 1GHz	5000	3	Peak

For radiated emissions below 30MHz

Computer Pre -Amplifier Test setup: EUT Receiver Ground Plane

Distance = 3m

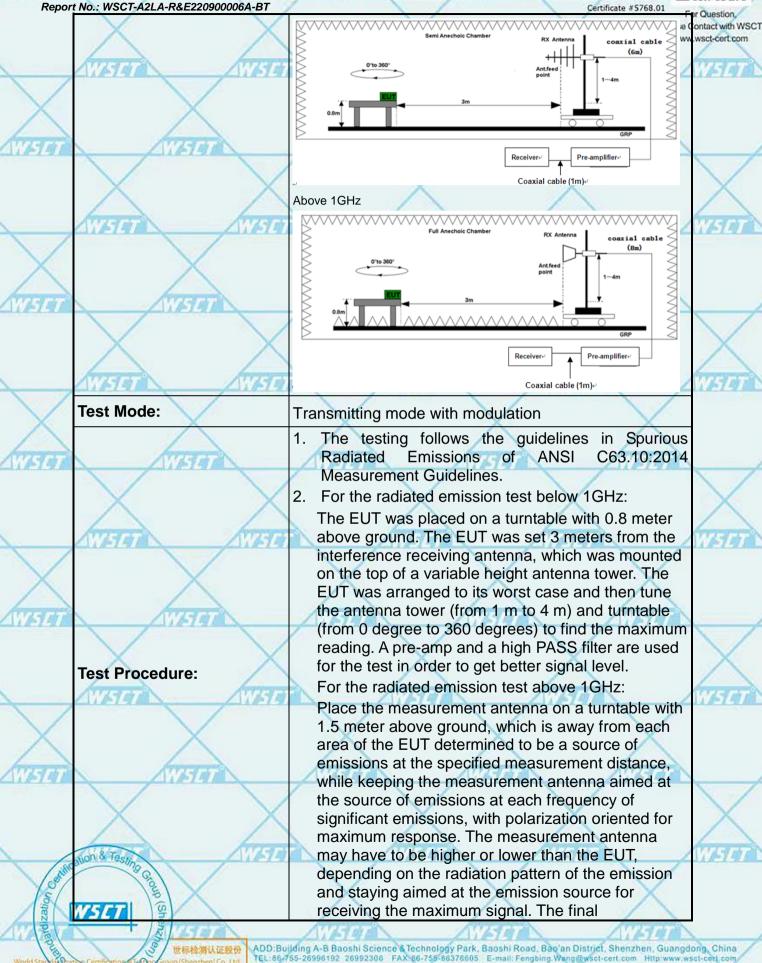
30MHz to 1GHz

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Report	t No.: WSCT-A2LA-R&E220900006A-BT		/	Certificate #5768.01	For Question.
	X			n shall be that which	Contact with WSCT
		maximizes the		neasurement	ww.wsct-cert.com
	NIGHT NIGHT			emissions shall be	NET WA
				of from 1 m to 4 m	
		above the groun			
				etting and enable the	€
1112-12-3	1773	EUT transmit co	ontinuously.	17744	
211214	1015	 Use the following 	ng spectrum and	alyzer settings:	/
		(1) Span shall	wide enough to	fully capture the	
	\wedge		eing measured;		
	(VATE)	(2) Set RBW=	100 kHz for f < 1	GHz, RBW=1MHz	ATTITUDE OF
	CIFIA LIFT		; VBW≥RBW;	1614	CI PINE
		Sweep = a	auto: Detector fu	inction = peak; Trace	
		= max hole			
ATTESTICAL PROPERTY.	(VISIO)	(3) For averag	ge measuremen	t: use duty cycle	
		correction	factor method p	er	
	\vee	15.35(c). D	uty cycle = On t	ime/100 milliseconds	3
4		On time =N	l1*L1+N2*L2+	+Nn-1*LNn-1+Nn*Lr	1
N	10230	Where N1	is number of ty	pe 1 pulses, L1 is	(VITA)
1		length of ty	ype 1 pulses, et	C.	
				Peak Emission	
		_)*log(Duty cycle		
WST	WATER	Corrected F	Reading: Antenr	a Factor + Cable	/
			_	p Factor = Level	
	Test results:		8	X	- X
	rest results:	PASS			
<u> </u>	WSGT AVSG	AVE	T A	WSET	AWSET
/					
X	X	X	X	X	
AWSET	WSIT	WSFT	AWSTOT	W/5/197	
			/		1/
	X	X		X	X
	formal formal	-			4
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AVISTA

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6.11.2. Test Data

Please refer to following diagram for individual

Horizontal:





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	144
-		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	36.0007	30.22	2.29	32.51	40.00	-7.49	QP
2	1	95.4270	25.14	-4.77	20.37	43.50	-23.13	QP
3	- 3	189.0743	26.59	-7.18	19.41	43.50	-24.09	QP
4		378.5843	26.70	-1.21	25.49	46.00	-20.51	QP
Z 5	1	776.8778	26.48	3.58	30.06	46.00	-15.94	QP
6	1	1000.000	25.35	7.32	32.67	54.00	-21.33	QP

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Vertical:



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	141
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	36.1272	30.08	2.21	32.29	40.00	-7.71	QP
2		107.8877	26.85	-2.28	24.57	43.50	-18.93	QP
/3		141.8262	24.50	-4.42	20.08	43.50	-23.42	QP
4		300.3672	25.09	-2.23	22.86	46.00	-23.14	QP
745	1	549.0195	26.15	0.94	27.09	46.00	-18.91	QP
6		912.8620	26.07	5.86	31.93	46.00	-14.07	QP

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low) and three modulation (GFSK, Pi/4 DQPSK, 8DPSK) and the worst case Mode (Lowest channel and GFSK) was submitted only.

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3.Reading level ($dB\mu V$) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss Level ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB) Limit ($dB\mu V$) = Limit stated in standard Margin (dB) = Level ($dB\mu V$) – Limits ($dB\mu V$)



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Above 1GHz

GFSK

	Eroa	Low channel: 2402MHz								
	Freq. (MHz)	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)			
		H/V	PK	AV	PK	AV	PK	AV		
	4804	V	60.08	39.50	74	54	-13.92	-14.50		
	7206	V	58.25	40.71	74	54	-15.75	-13.29		
	4804	Ι	58.75	40.79	74	54	-15.25	-13.21		
	7206	H	59.76	40.76	74	54	-14.24	-13.24		

	ALTERNATION OF THE PARTY OF THE		ALTERNATION OF THE PARTY OF THE	20.7		417	T J - M - L - M - L			
1	Eroa	Middle channel: 2441MHz								
	Freq. (MHz)	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)			
		H/V	PK	AV	PK	AV	PK	AV		
	4882	V	58.06	39.82	74	54	-15.94	-14.18		
	7323	V	59.57	39.91	74	54	-14.43	-14.09		
	4882	Τ	59.84	39.11	74	54	-14.16	-14.89		
	7323	Н	59.74	40.74	74	54	-14.26	-13.26		

	· Andrewson Company (*)		* Additional Contractions of the last of t	200	Contract of the last of the la	, ja	Company of the last of the las			
d	Erog	High channel: 2480MHz								
	Freq. (MHz)	Ant.Pol	Emission I	_evel(dBuV)	Limit 3m(dBuV/m)		Over(dB)			
		H/V	PK	AV	PK	AV	PK	AV		
×	4960	V	59.40	41.50	74	54	-14.60	-12.50		
	7440		58.04	39.91	74	54	-15.96	-14.09		
	4960	Ι	59.39	41.00	74	54	-14.61	-13.00		
	7440	H	58.82	39.82	74	54	-15.18	-14.18		

Note:

- 1. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 2. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 3. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- Measurements were conducted in all three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (GFSK) was submitted only.

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Report No.: WSCT-A2LA-R&E220900006A-BT Restricted Bands Requirements

Test result for GFSK Mode(the worst case)

Test result for Or Six ivi		orst case)	A State of the later	200	ATTICATION OF THE PARTY OF THE		
Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector	
(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V		
August .		Low Cha	nnel	Konsa	7	Aug	
64.52	-8.76	55.76	74	18.24	Y	PK	
53.32	-8.76	44.56	54	9.44	Н	AV	
60.04	-8.73	51.31	74	22.69	V	PK	
54.14	-8.73	45.41	54	8.59	V/5	AV	
62.01	-8.76	53.25	74	20.75	Н	PK	
56.54	-8.76	47.78	54	6.22	Т	AV	
60.56	-8.73	51.83	74	22.17	V	PK	
56.90	-8.73	48.17	54	5.83	V	AV	
	X	High Cha	nnel		X		
62.39	-8.76	53.63	74	20.37	Đ/	PK	
53.86	-8.76	45.10	54	8.90	THE	AV	
61.07	-8.73	52.34	74	21.66	V	PK	
55.13	-8.73	46.40	54	7.60	V	AV	
	Reading (dBuV/m) 64.52 53.32 60.04 54.14 62.01 56.54 60.56 56.90 62.39 53.86 61.07	Reading (dBuV/m) Correct Factor 64.52 -8.76 53.32 -8.76 60.04 -8.73 54.14 -8.73 62.01 -8.76 60.56 -8.73 56.90 -8.73 62.39 -8.76 53.86 -8.76 61.07 -8.73	Reading (dBuV/m) Correct Factor Emission Level (dBuV/m) dB/m (dBuV/m) Low Cha 64.52 -8.76 55.76 53.32 -8.76 44.56 60.04 -8.73 51.31 54.14 -8.73 45.41 62.01 -8.76 53.25 56.54 -8.76 47.78 60.56 -8.73 51.83 56.90 -8.73 48.17 High Cha 62.39 -8.76 53.63 53.86 -8.76 45.10 61.07 -8.73 52.34	Reading (dBuV/m) Correct Factor Emission Level Limit Level (dBuV/m) (dBuV/m) (dBuV/m) (dBuV/m) 64.52 -8.76 55.76 74 53.32 -8.76 44.56 54 60.04 -8.73 51.31 74 54.14 -8.73 45.41 54 62.01 -8.76 53.25 74 56.54 -8.76 47.78 54 60.56 -8.73 51.83 74 56.90 -8.73 48.17 54 High Channel 62.39 -8.76 53.63 74 53.86 -8.76 45.10 54 61.07 -8.73 52.34 74	Reading (dBuV/m) Correct Factor Emission Level Limit Level Margin Low Channel 64.52 -8.76 55.76 74 18.24 53.32 -8.76 44.56 54 9.44 60.04 -8.73 51.31 74 22.69 54.14 -8.73 45.41 54 8.59 62.01 -8.76 53.25 74 20.75 56.54 -8.76 47.78 54 6.22 60.56 -8.73 51.83 74 22.17 56.90 -8.73 48.17 54 5.83 High Channel 62.39 -8.76 53.63 74 20.37 53.86 -8.76 45.10 54 8.90 61.07 -8.73 52.34 74 21.66	Factor Level (dBuV/m) (dBuV/m) (dB) H/V Low Channel 64.52 -8.76 55.76 74 18.24 H 53.32 -8.76 44.56 54 9.44 H 60.04 -8.73 51.31 74 22.69 V 54.14 -8.73 45.41 54 8.59 V 62.01 -8.76 53.25 74 20.75 H 56.54 -8.76 47.78 54 6.22 H 60.56 -8.73 51.83 74 22.17 V 56.90 -8.73 48.17 54 5.83 V High Channel 62.39 -8.76 53.63 74 20.37 H 53.86 -8.76 45.10 54 8.90 H 61.07 -8.73 52.34 74 21.66 V	

Note: Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Attenuation factor + Cable loss

Level $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

Limit ($dB\mu V$) = Limit stated in standard Margin (dB) = Level ($dB\mu V$) – Limits ($dB\mu V$)

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

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