

Shenzhen Toby Technology Co., Ltd.



Report No.: TBR-C-202203-0256-13

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Radio Test Report

FCC ID: 2A4SS-BOHM-A

Report No. : TBR-C-202203-0256-13

Applicant : Polyhex Technology Company Limited

Equipment Under Test (EUT)

EUT Name : Gateway

Model No. : BoHM A

Series Model No. : BoHM X, BPC-iMX6ULL-03

Brand Name : ----

Sample ID : RW-C-202203-0256-1-1#&RW-C-202203-0256-1-2#

Receipt Date : 2022-04-25

Test Date : 2022-04-25 to 2022-06-20

Issue Date : 2022-06-27

Standards : FCC Part 15 Subpart C 15.247

Test Method : ANSI C63.10: 2013

KDB 558074 D01 15.247 Meas Guidance v05r02

Conclusions : PASS

In the configuration tested, the EUT complied with the standards specified above.

Witness Engineer :

Engineer Supervisor : TWW SV

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0



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Revision History

Report No.	Version	Description	Issued Date
TBR-C-202203-0256-13	Rev.01	Initial issue of report	2022-06-27
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1. General Information about EUT

1.1 Client Information

Applicant : Polyhex Technology Company Lim		Polyhex Technology Company Limited	
Address : 5/F.		5/F., East Zone, Shunheda A2 Building, Liuxiandong Industrial Park, Xili, Nanshan Dist., Shenzhen, China	
Manufacturer :		Polyhex Technology Company Limited	
Address		5/F., East Zone, Shunheda A2 Building, Liuxiandong Industrial Park, Xili, Nanshan Dist., Shenzhen, China	

1.2 General Description of EUT (Equipment Under Test)

EUT Name	÷	Gateway	Gateway		
Models No.		BoHM A, BoHM X, BPC-iMX6ULL-03			
Model Different	All these models are identical in the same PCB, layout and electrical circuit, the only difference is BoHM X ("X" could be a value within range of A-Z. It represents different market positions and the changes of its value do not influence the security and electromagnetic compatibility of the product.) BPC-iMX6ULL-03 for different application scenarios.				
	A A A A A A A A A A A A A A A A A A A	Operation Frequency:	LoRa(500KHz): 923.3MHz-927.5MHz		
Product		Number of Channel:	8 channels		
Description		Antenna Gain:	3.0dBi External Antenna		
TO B		Bit Rate of Transmitter:	50kbps		
Power Rating	-	USB Input: 5V3A			
Software Version	÷	V1.0.5			
Hardware Version		V01			
Damark		eaning -			

- (1) The antenna gain and adapter provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) Antenna information provided by the applicant. And the type of antenna please see the external photos.



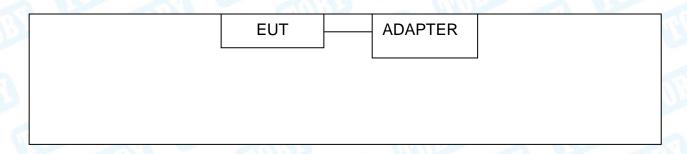
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(4) Channel List:

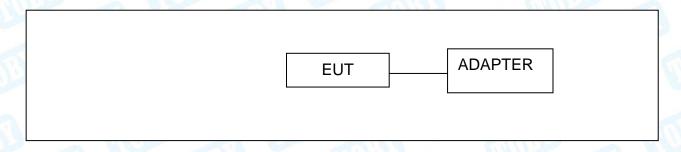
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	923.3	04	925.1	07	926.9
02	923.9	05	925.7	80	927.5
03	924.5	06	926.3	m	

1.3 Block Diagram Showing the Configuration of System Tested

Conducted Test



Radiated Test





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1.4 Description of Support Units

Equipment Information							
Name Model FCC ID/SDOC Manufacturer Used "√"							
Adapter HUAWEI √							
Cable Information							
Number Shielded Type Ferrite Core Length Note							
Cable 1	Yes	NO	1.0M	Accessory			

1.5 Description of Test Mode

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 follow was evaluated respectively.

For Conducted Test						
Final Test Mode Description						
Mode 1 TX Mode						
For Radiated Test						
Final Test Mode Description						
Mode 2 TX Mode						
Mode 3 TX Mode (Channel 01/04/08)						

Note:

- (1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.
 - According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels.
 - (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
 - (3) The EUT is considered a Mobile unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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1.6 Description 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 RF setting.

Test Software Version		SecureCRT.ex	е
Frequency	923.3MHz	925.1MHz	927.5MHz
LoRa	DEF	DEF	DEF

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U_1$, 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 %.

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	±3.50 dB ±3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.50 dB
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB



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1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F., Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.



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2. Test Summary

Standard Section	Test Item	Test Sample(s)	Judgment	Remarl
FCC	rest item	rest Sample(s)	Judgment	Keman
FCC 15.207(a)	Conducted Emission	RW-C-202203-0256-1-1#	PASS	N/A
FCC 15.209 & 15.247(d)	Radiated Unwanted Emissions	RW-C-202203-0256-1-1#	PASS	N/A
FCC 15.203	Antenna Requirement	RW-C-202203-0256-1-2#	PASS	N/A
FCC 15.247(a)(2)	6dB Bandwidth	RW-C-202203-0256-1-2#	PASS	N/A
	99% Occupied bandwidth	RW-C-202203-0256-1-2#	PASS	N/A
FCC 15.247(b)(3)	Peak Output Power and E.I.R.P	RW-C-202203-0256-1-2#	PASS	N/A
FCC 15.247(e)	Power Spectral Density	RW-C-202203-0256-1-2#	PASS	N/A
FCC 15.207	Conducted Unwanted Emissions	RW-C-202203-0256-1-2#	PASS	N/A
FCC 15.247(d)	Emissions in nonrestricted frequency bands	RW-C-202203-0256-1-2#	PASS	N/A
	On Time and Duty Cycle	RW-C-202203-0256-1-2#		N/A

Note: N/A is an abbreviation for Not Applicable.

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
RF Conducted Measurement	MTS-8310	MWRFtest	V2.0.0.0
RF Test System	JS1120	Tonscend	V2.6.88.0336



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4. Test Equipment

Conducted Emission	on Test	1	-	1	1	
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date	
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 02, 2021	Jul. 01, 2022	
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 02, 2021	Jul. 01, 2022	
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 02, 2021	Jul. 01, 2022	
LISN	Rohde & Schwarz	ENV216	101131	Jul. 02, 2021	Jul. 01, 2022	
Radiation Emission	Test (A Site)					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date	
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022	
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 02, 2021	Jul. 01, 2022	
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Feb. 27, 2022	Feb. 26, 2024	
Horn Antenna	ETS-LINDGREN	3117	00143207	Feb. 26, 2022	Feb. 25, 2024	
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 26, 2022	Feb. 25, 2024	
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 06, 2021	Jul. 05, 2022	
Pre-amplifier	SONOMA	310N	185903	Feb. 26, 2022	Feb. 25, 2023	
Pre-amplifier	HP	8449B	3008A00849	Feb. 26, 2022	Feb. 25, 2023	
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep. 03, 2021	Sep. 02, 2022	
Radiation Emission	n Test (B Site)	'	-	'	-	
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date	
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022	
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Sep. 03, 2021	Sep. 02, 2022	
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472	Feb. 26, 2022	Feb. 25, 2023	
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Dec. 05, 2021	Dec. 04, 2023	
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	May 20, 2021	May 19, 2023	
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 26, 2022	Feb. 25, 2024	
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 06, 2021	Jul. 05, 2022	
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Sep. 03, 2021	Sep. 02, 2022	
HF Amplifier	Tonscend	TAP051845	AP21C806141	AP21C806141 Sep. 03, 2021		
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep. 03, 2021	Sep. 02, 2022 Sep. 02, 2022	
Antenna Conducte	d Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date	
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 02, 2021	Jul. 01, 2022	
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022	
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 03, 2021	Sep. 02, 2022	
Spectrum Analyzer	KEYSIGT	N9020B	MY60110172	Sep. 03, 2021	Sep. 02, 2022	
TIME	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 03, 2021	Sep. 02, 2022	
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 03, 2021	Sep. 02, 2022	
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 03, 2021	Sep. 02, 2022	
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 03, 2021	Sep. 02, 2022	
RF Control Unit	Tonsced	JS0806-2	21F8060439	Sep. 03, 2021	Sep. 02, 2022	



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5. Conducted Emission

5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.207

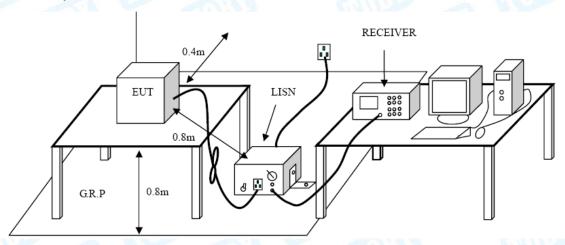
5.1.2 Test Limit

Eroguanav	Maximum RF Line Voltage (dBμV)				
Frequency	Quasi-peak Level	Average Level			
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

5.2 Test Setup



5.3 Test Procedure

- ●The EUT was placed 0.8 meters from the horizontal 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.
- 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.
- ●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.
- ●LISN at least 80 cm from nearest part of EUT chassis.
- The bandwidth of EMI test receiver is set at 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.



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5.4 Deviation From Test Standard

No deviation

5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A.

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6. Radiated and Conducted Unwanted Emissions

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.209 & FCC Part 15.247(d)

6.1.2 Test Limit

General field strength limits at frequencies Below 30MHz Frequency Field Strength Field Strength Measurement (MHz) (μA/m)* (microvolt/meter)** Distance (meters)								
0.490~1.705	63.7/F (F in kHz)	24000/F(KHz)	30					
1.705~30.0	0.08	30	30					

Note: 1, The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

2, *is for RSS Standard, **is for FCC Standard.

General field strength limits at frequencies above 30 MHz								
Frequency (MHz)	Field strength (µV/m at 3 m)	Measurement Distance (meters)						
30~88	100	3						
88~216	150	3						
216~960	200	3						
Above 960	500	3						

General field strength limits at frequencies Above 1000MHz									
Frequency	Frequency Distance of 3m (dBuV/m)								
(MHz)	Peak	Average							
Above 1000	74	54							

Note:

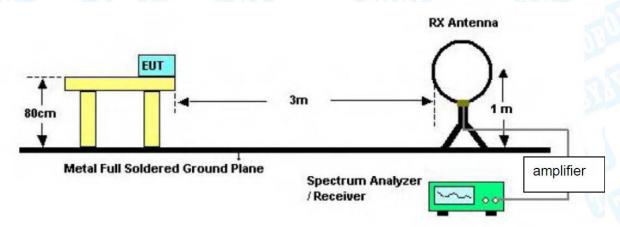
- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

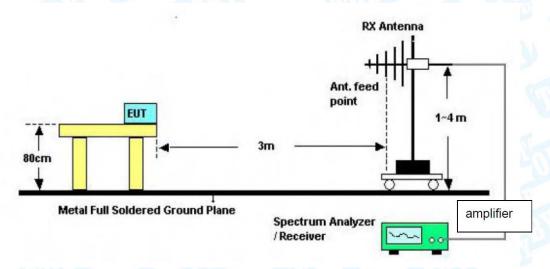


6.2 Test Setup

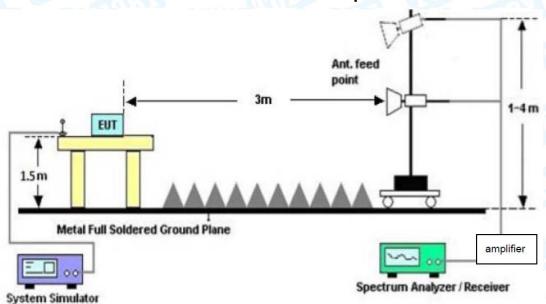
Radiated measurement



Below 30MHz Test Setup



Below 1000MHz Test Setup

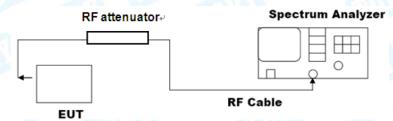


Above 1GHz Test Setup



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Conducted measurement



6.3 Test Procedure

---Radiated measurement

- The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Below 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- Testing frequency range 30MHz-1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection. Testing frequency range 9KHz-150Hz the measuring instrument use VBW=200Hz with Quasi-peak detection. Testing frequency range 9KHz-30MHz the measuring instrument use VBW=9kHz with Quasi-peak detection.
- Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- For the actual test configuration, please see the test setup photo.



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--- Conducted measurement

Reference level measurement

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to≥1.5 times the DTS bandwidth.
- c) Set the RBW = 100 kHz.
- d) Set the VBW≥[3*RBW].
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

Emission level measurement

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW≥[3*RBW].
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Mode

Please refer to the description of test mode.

6.6 Test Data

Please refer to the Attachment B.



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7. Emissions in nonrestricted frequency bands

7.1 Test Standard and Limit

7.1.1 Test Standard

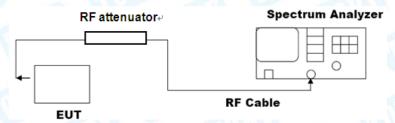
FCC Part 15.205 & FCC Part 15.247(d)

7.1.2 Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

7.2 Test Setup

Conducted measurement



7.3 Test Procedure

Reference level measurement

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to \geq 1.5 times the DTS bandwidth.
- c) Set the RBW = 100 kHz.
- d) Set the VBW ≥ [3*RBW].
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.



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Emission level measurement

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW ≥ [3*RBW].
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Mode

Please refer to the description of test mode.

7.6 Test Data

Please refer to the Attachment C.



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8. Bandwidth Test

8.1 Test Standard and Limit

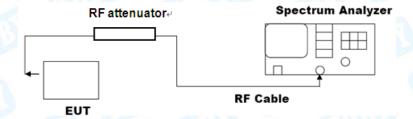
8.1.1 Test Standard

FCC Part 15.205 & FCC Part 15.247(d)

8.1.2 Test Limit

Test Item	Limit		
-6dB bandwidth (DTS bandwidth)	>=500 KHz		
99% occupied bandwidth			

8.2 Test Setup



8.3 Test Procedure

---DTS bandwidth

- The steps for the first option are as follows:
- a) Set RBW = 100 kHz.
- b) Set the VBW≥[3*RBW].
- c) Detector = peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

---occupied bandwidth

- The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:
- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the ORW
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding



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the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Mode

Please refer to the description of test mode.

8.6 Test Data

Please refer to the Attachment D.



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9. Peak Output Power

9.1 Test Standard and Limit

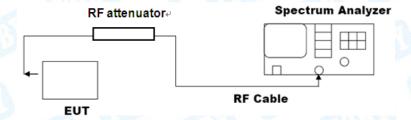
9.1.1 Test Standard

FCC Part 15.247(b)(3)

9.1.2 Test Limit

Test Item	Limit				
Peak Output Power	not exceed 1 W or 30dBm				
E.I.R.P	not exceed 4 W or 36dBm				

9.2 Test Setup



9.3 Test Procedure

---RBW≥DTS bandwidth

● The following procedure shall be used when an instrument with a resolution bandwidth that is greater than

the DTS bandwidth is available to perform the measurement:

- a) Set the RBW≥DTS bandwidth.
- b) Set VBW≥[3*RBW].
- c) Set span≥[3*RBW].
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Mode

Please refer to the description of test mode.

9.6 Test Data

Please refer to the Attachment E.



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10. Power Spectral Density

10.1 Test Standard and Limit

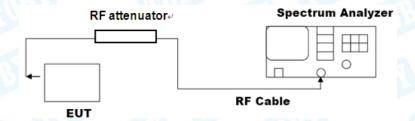
10.1.1 Test Standard

FCC Part 15.247(e)

10.1.2 Test Limit

Test Item	Limit			
Power Spectral Density	8dBm(in any 3 kHz)			

10.2 Test Setup



10.3 Test Procedure

- The following procedure shall be used if maximum peak conducted output power was used to determine compliance, and it is optional if the maximum conducted (average) output power was used to determine compliance:
- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to 3 kHz≤RBW≤100 kHz.
- d) Set the VBW ≥[3*RBW].
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

10.4 Deviation From Test Standard

No deviation

10.5 Antenna Connected Construction

Please refer to the description of test mode.

10.6 Test Data

Please refer to the Attachment F.



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11. Antenna Requirement

11.1 Test Standard and Limit

11.1.1 Test Standard

FCC Part 15.203

11.1.2 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 shall be considered sufficient to comply with the provisions of this Section. 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.

11.2 Deviation From Test Standard

No deviation

11.3 Antenna Connected Construction

The gains of the antenna used for transmitting is 3.0dBi, and the antenna de-signed with Unique connector antenna and consideration of replacement. Please see the EUT photo for details.

11.4 Test Data

The EUT antenna is a External Antenna. It complies with the standard requirement.

Antenna Type	
Permanent attached antenna	
⊠Unique connector antenna	
☐Professional installation antenna	033



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Attachment A--Conducted Emission Test Data

L _{Ta}		- 4		2700	33			2	• • • • • •	••:	•••	500/		-	
		ratur		27°C	2) //001	1		Ke	Relative Humidity: 50%						
		oltage		AC 120)V/60F	ΗZ		1							
	rmin	-		Line							N N	MAR			A
		ode:		Mode 1											
Re	Remark: Only worse case is report														
80	80.0 dBuV												QP:		l
9.													AVG:		
e	-														
7	-														
	۸			×		×	Xu			× ,	أباسد	Talle cales	Mark	i. i.i.	
	1	you	mulpund	A Mu	J ^{eg} ly Mahyy	VAPINA (PANA)	_N AMANAANAAN Yaha	WHAT WAS	hard to be a second		Mi lila			Mar.	
3	0			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	M. March	LANDANA.	har de la company	Walton .	ייף רי איטרקטייי				11,111		
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											'			<u> </u>	AVG
9															
-20 (0.150			0.5			(MI	lz)		5				30.00	0
(_					D		0	4	N 4						
	Nο	Mk.	Fr	eq.	Read	_	Corr Fac			sure- ent	Lim	it C	Over		
_				Hz	dBu		dE		dBı		dBu'	\ <u>/</u>	dB	Detect	tor
\	1		0.4		32.2		11.4		43.			· ·2 -1		QF	
	2		0.42	213	20.4		11.4		31.	85	47.4	2 -1	5.57	A۷	/G
)	3		0.99	996	32.2	24	11.1	19	43.	43	56.0	0 -12	2.57	QF)
	4	4 0.9996		996	996 20.22		11.19		31.41		46.0	0 -14	4.59	A۷	/G
1	5		1.80	095	35.0	05	10.68		45.73		56.0	0 -10	0.27	QF)
	6		1.80	095	20.9	95	10.6	38	31.	63	46.0	0 -14	4.37	AV	/G
-	7			213	35.2		10.0		45.			0 -14		QF	
I -															
_	8			213	29.9		10.0		39.			0 -10		A۷	
	9		13.3	368	38.6	62	10.3	37	48.	99	60.0	0 -1	1.01	QF)
.\	10	*	13.3	368	35.	56	10.3	37	45.	93	50.0	0 -4	.07	A۷	/G
	11		17.6	611	37.4	47	10.3	31	47.	78	60.0	0 -12	2.22	QF)
Sec															

10.31

45.34

Remark:

12

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

35.03

17.6611

2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)

AVG

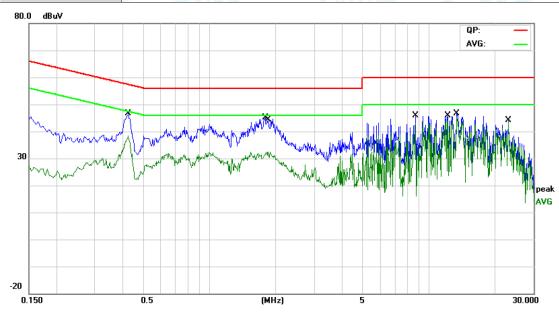
50.00 -4.66





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E.	Temperature:	27℃	Relative Humidity:	50%				
/	Test Voltage:	AC 120V/60Hz						
2	Terminal:	Neutral	Neutral					
9	Test Mode:	Mode 1						
7	Remark:	Only worse case is reported.						



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.4259	35.05	11.46	46.51	57.33	-10.82	QP
2		0.4259	27.00	11.46	38.46	47.33	-8.87	AVG
3		1.7903	34.34	10.70	45.04	56.00	-10.96	QP
4		1.8286	21.73	10.67	32.40	46.00	-13.60	AVG
5		8.6829	35.60	10.16	45.76	60.00	-14.24	QP
6		8.6829	32.75	10.16	42.91	50.00	-7.09	AVG
7		12.1882	35.64	10.32	45.96	60.00	-14.04	QP
8		12.1882	33.88	10.32	44.20	50.00	-5.80	AVG
9		13.3368	36.24	10.37	46.61	60.00	-13.39	QP
10	*	13.3368	34.64	10.37	45.01	50.00	-4.99	AVG
11		23.0181	33.63	10.42	44.05	60.00	-15.95	QP
12		23.0181	32.91	10.42	43.33	50.00	-6.67	AVG

- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





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Attachment B--Unwanted Emissions Data

--- Radiated Unwanted Emissions

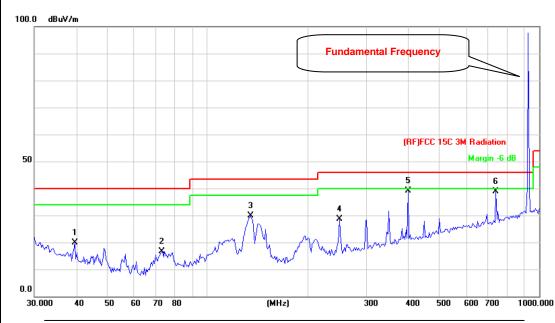
9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

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

30MHz~1GHz

Temperature:	23.5℃ Relative Humidity: 46%
Test Voltage:	DC 5V
Ant. Pol.	Horizontal
Test Mode:	Mode 2 (923.3MHz)
Remark:	Only worse case is reported.
100.0 dBuV/m	Fundamental Frequency



No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		39.7146	39.22	-19.33	19.89	40.00	-20.11	peak
2		72.5916	40.17	-23.43	16.74	40.00	-23.26	peak
3		134.5592	52.59	-22.60	29.99	43.50	-13.51	peak
4		249.4250	45.95	-17.33	28.62	46.00	-17.38	peak
5	*	401.8385	51.60	-12.38	39.22	46.00	-6.78	peak
6		739.6604	45.46	-6.59	38.87	46.00	-7.13	peak

^{*:}Maximum data x:Over limit !:over margin

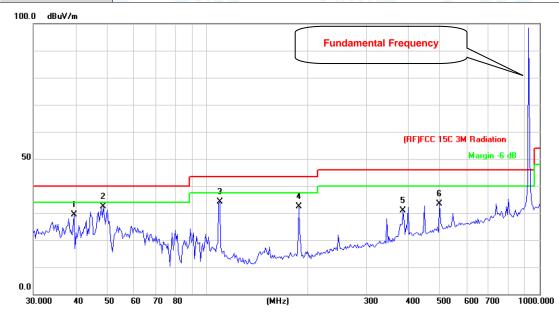
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. QuasiPeak (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V		Ullip
Ant. Pol.	Vertical		VOC
Test Mode:	Mode 2 (923.3MHz)		
Remark:	Only worse case is repor	ted.	WILD TO



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		39.7146	48.79	-19.33	29.46	40.00	-10.54	peak
2	*	48.6719	55.49	-23.12	32.37	40.00	-7.63	peak
3		109.0286	56.68	-22.56	34.12	43.50	-9.38	peak
4		188.4125	52.43	-20.02	32.41	43.50	-11.09	peak
5		387.9920	43.77	-12.95	30.82	46.00	-15.18	peak
6		499.4247	44.15	-10.68	33.47	46.00	-12.53	peak

^{*:}Maximum data x:Over limit !:over margin

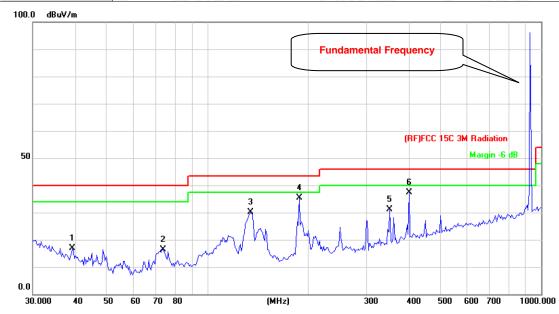
- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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A11	Temperature:	23.5℃	Relative Humidity:	46%				
/	Test Voltage:	DC 5V						
	Ant. Pol.	Horizontal	Horizontal					
	Test Mode:	Mode 2 (925.1MHz)						
	Remark:	Only worse case is reported						



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		39.4371	35.99	-19.20	16.79	40.00	-23.21	peak
2		73.6170	39.64	-23.31	16.33	40.00	-23.67	peak
3		134.5592	52.83	-22.60	30.23	43.50	-13.27	peak
4	*	188.4125	55.33	-20.02	35.31	43.50	-8.19	peak
5		351.7079	45.77	-14.60	31.17	46.00	-14.83	peak
6		401.8385	49.88	-12.38	37.50	46.00	-8.50	peak

^{*:}Maximum data x:Over limit !:over margin

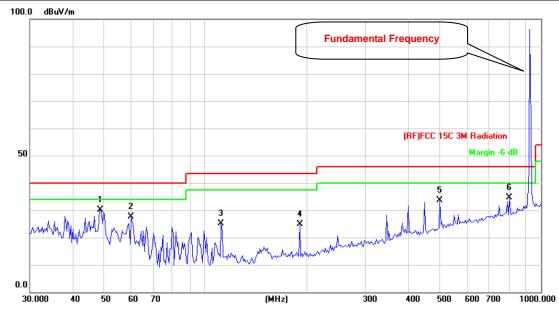
- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V		CHID)
Ant. Pol.	Vertical		TO VI
Test Mode:	Mode 2 (925.1MHz)		
Remark:	Only worse case is re	eported.	



No.	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	48.6719	53.26	-23.12	30.14	40.00	-9.86	peak
2		60.0691	52.26	-24.60	27.66	40.00	-12.34	peak
3		111.3468	47.67	-22.56	25.11	43.50	-18.39	peak
4		191.0738	44.77	-19.96	24.81	43.50	-18.69	peak
5		499.4247	44.26	-10.68	33.58	46.00	-12.42	peak
6		804.6028	40.25	-5.54	34.71	46.00	-11.29	peak

^{*:}Maximum data x:Over limit !:over margin

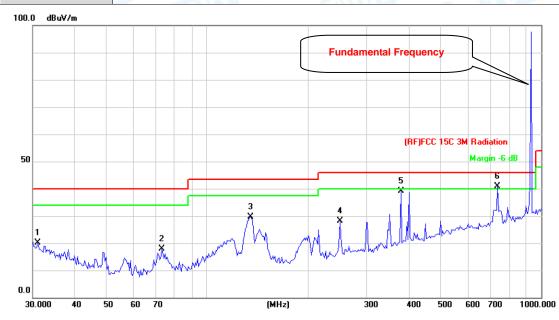
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. QuasiPeak (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V		
Ant. Pol.	Horizontal		
Test Mode:	Mode 2 (927.5MHz)		
Remark:	Only worse case is reported	d.	



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
ı		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		31.0706	34.28	-14.19	20.09	40.00	-19.91	peak
2		73.1025	41.34	-23.38	17.96	40.00	-22.04	peak
3		134.5592	52.17	-22.60	29.57	43.50	-13.93	peak
4		249.4250	45.49	-17.33	28.16	46.00	-17.84	peak
5		379.9141	52.38	-13.31	39.07	46.00	-6.93	peak
6	*	739.6604	47.41	-6.59	40.82	46.00	-5.18	peak

^{*:}Maximum data x:Over limit !:over margin

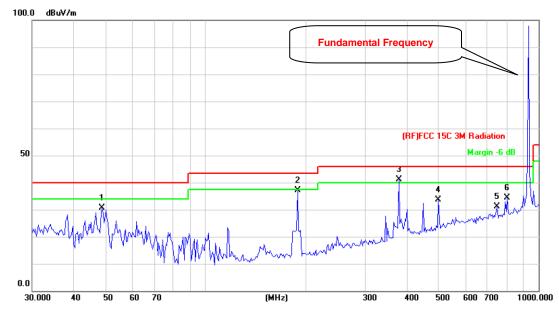
- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V		CHID)
Ant. Pol.	Vertical		NO.
Test Mode:	Mode 2 (927.5MHz)		
Remark:	Only worse case is re	ported.	



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
_			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
	1		48.6719	53.77	-23.12	30.65	40.00	-9.35	peak
	2		188.4125	57.11	-20.02	37.09	43.50	-6.41	peak
_	3	*	379.9141	54.51	-13.31	41.20	46.00	-4.80	peak
	4		499.4247	44.23	-10.68	33.55	46.00	-12.45	peak
_	5		750.1083	37.61	-6.55	31.06	46.00	-14.94	peak
_	6		804.6028	39.87	-5.54	34.33	46.00	-11.67	peak

^{*:}Maximum data x:Over limit !:over margin

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. QuasiPeak (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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Above 1GHz

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V	WILLIAM STATE	A PILL
Ant. Pol.	Horizontal		11:373
Test Mode:	TX 923.3MHz	O	
Remark:	Only worse case is reported	I. (711)	

No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		1846.863	58.06	-1.78	56.28	74.00	-17.72	peak
2	*	1846.941	44.98	-1.78	43.20	54.00	-10.80	AVG

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-10GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V	WURD -	UKU
Ant. Pol.	Vertical		
Test Mode:	TX 923.3MHz	N. V.	

No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1846.863	44.99	-1.78	43.21	54.00	-10.79	AVG
2		1846.985	58.98	-1.78	57.20	74.00	-16.80	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-10GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
- 5. No report for the emission which more than 20dB below the prescribed limit.





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Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V		
Ant. Pol.	Horizontal		
Test Mode:	TX 925.1MHz		
Remark:	Only worse case is reported		3 110

No	o. Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1850.217	44.80	-1.75	43.05	54.00	-10.95	AVG
2		1850.364	56.89	-1.75	55.14	74.00	-18.86	peak

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-10GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V	WURD -	MAGINE
Ant. Pol.	Vertical		
Test Mode:	TX 925.1MHz	N. W.	

No	o. Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1850.358	45.92	-1.75	44.17	54.00	-9.83	AVG
2		1850.428	59.13	-1.75	57.38	74.00	-16.62	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-10GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
- 5. No report for the emission which more than 20dB below the prescribed limit.





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Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V		
Ant. Pol.	Horizontal		133
Test Mode:	TX 927.5MHz		
Remark:	Only worse case is reported		a William

N	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1855.338	44.97	-1.69	43.28	54.00	-10.72	AVG
2		1855.421	58.08	-1.69	56.39	74.00	-17.61	peak

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-10GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 5V	WAR TO SEE	MAG
Ant. Pol.	Vertical		CIII)
Test Mode:	TX 927.5MHz		

No	o. Mł	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1855.247	45.05	-1.69	43.36	54.00	-10.64	AVG
2		1855.355	57.99	-1.69	56.30	74.00	-17.70	peak

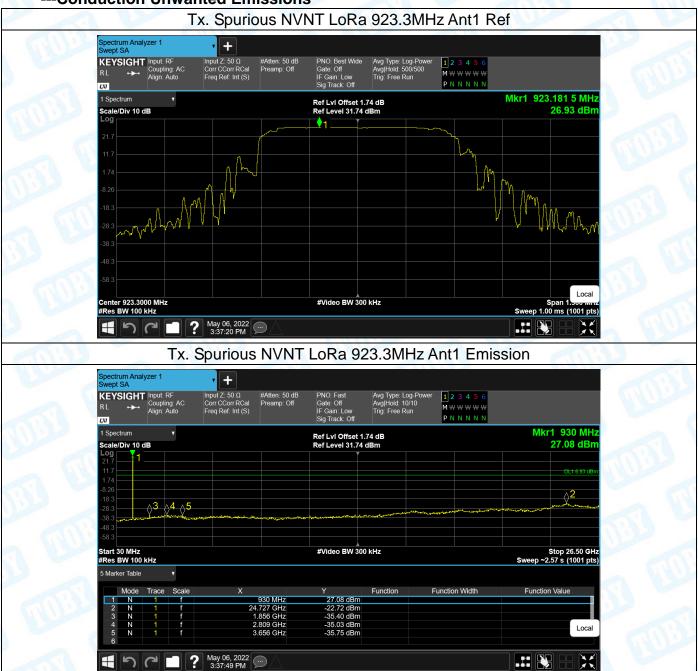
- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-10GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
- 5. No report for the emission which more than 20dB below the prescribed limit.



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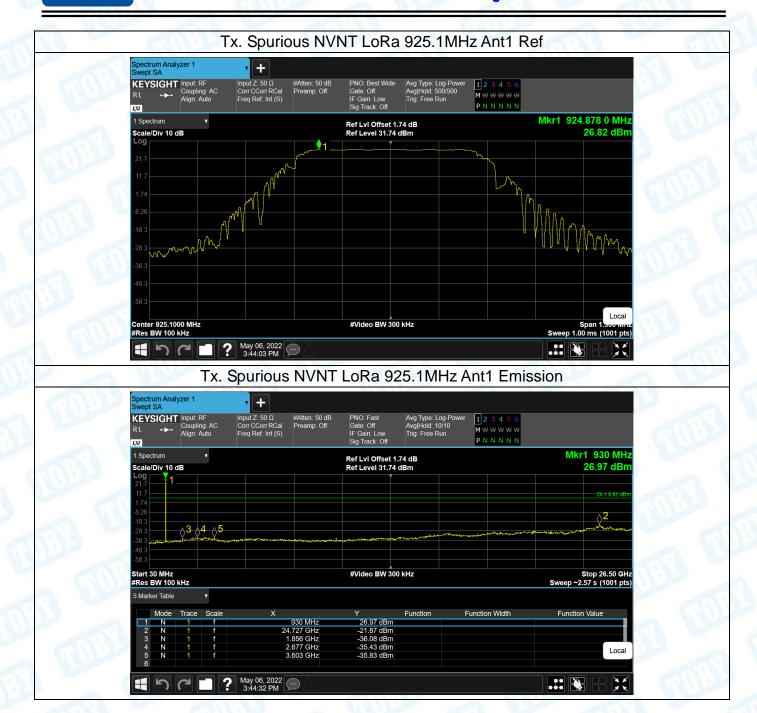
TOBY

--- Conduction Unwanted Emissions





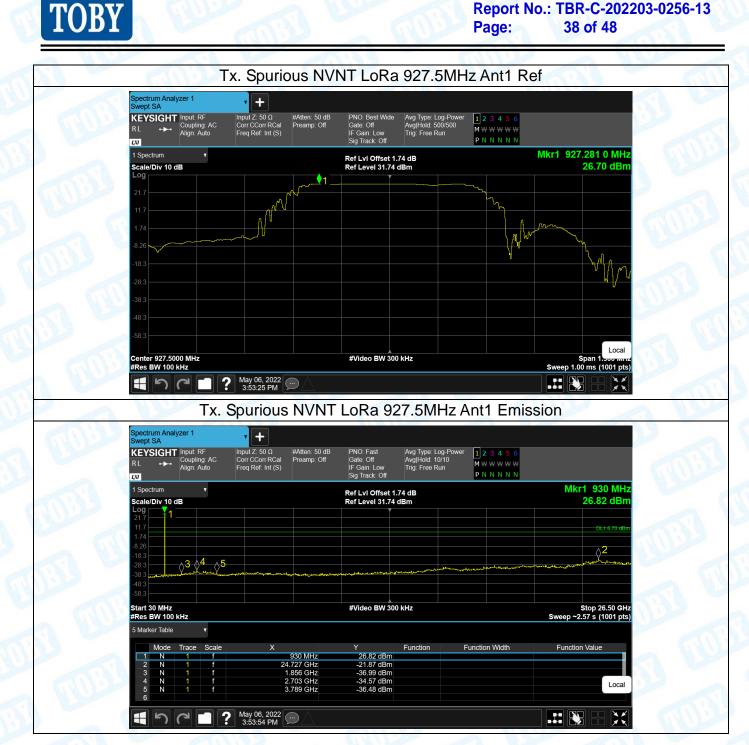
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TOBY

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Attachment C--Emissions In Nonrestricted Frequency Bands Data







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Attachment D--Bandwidth Data

	_			1	
Temperature:	25℃		Relative Humidity:	55%	
Test Voltage:	DC 5	V			
Test Mode:	TX M	lode	133	ULLE TO THE	
Channel frequency		6dB Ba	Limit		
(MHz)		(kl	łz)	(kHz)	
923.3		65	2.0		
925.1		604.5		>=500	
927.5		62			
	,	923.31	ИНz		
l					







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					CONTRACTOR OF THE PARTY OF THE	
mperature:	25 ℃			Relative Humidi	t y: 55%	
st Voltage:	DC 5V					
st Mode:	TX Mode	Э				
hannel freque	ency		99% Ba	ndwidth	L	.imit
(MHz)			(kł	łz)	(I	kHz)
923.3			494	.15		
925.1			497.40			/
927.5		510.71				
			923.3N	ЛНz	I	
arrest and a second			#IF Gain: Low	Radio Std: None		
Align: Auto	Freq Ref: In					
1 Graph ▼						
1 Graph v Scale/Div 10.0 dB			Ref Lvi Offset Ref Value 41.7	1.74 dB		
1 Graph ▼ Scale/Div 10.0 dB			Ref Lvl Offset	1.74 dB		
1 Graph V Scale/Div 10.0 dB Log 31 7 21.7 11.7 1.74 -8.26			Ref Lvl Offset	1.74 dB		
1 Graph V Scale/Div 10.0 dB Log 317 217 117 174 -8.26 -18.3			Ref Lvl Offset	1.74 dB		Mary Mary
1 Graph V Scale/Div 10.0 dB Log 31 7 21 7 11.7 1.74 -8.26 -18.3 -28.3 -28.3 -48.3			Ref LvI Offset Ref Value 41.7	1.74 dB '4 dBm		
1 Graph V Scale/Div 10.0 dB Log 31 7 21 7 11 7 1.74 -8.26 -18.3 -28.3 -28.3 -38.3 -48.3 Center 923.3000 MHz #Res BW 10.000 kHz			Ref Lvl Offset	1.74 dB '4 dBm	Sweep 10.0 m	Span 1 MHz
1 Graph V Scale/Div 10.0 dB Log 31.7 21.7 11.7 1.74 8.26 .18.3 -28.3 3.8.3 3.8.3 3.8.3 48.3 Center 923.3000 MHz			Ref LvI Offset Ref Value 41.7	1.74 dB '4 dBm	Sweep 10.0 m	Span 1 MHz
1 Graph v Scale/Div 10.0 dB Log 31 7 21 7 11.7 1.74 8.26 -18.3 -28.3 -28.3 -48.3 Center 923.3000 MHz #Res BW 10.000 kHz	oied Bandwidth		Ref LvI Offset Ref Value 41.7	1.74 dB 4 dBm		Span 1 MHz
1 Graph	oied Bandwidth 494.15 kl mit Freq Error	HZ 252 HZ	Ref LvI Offset Ref Value 41.7	1.74 dB 4 dBm 000 kHz Total Power % of OBW Power	34.9 dBm 99.00 %	Span 1 MHz s (10001 pts)
1 Graph	oied Bandwidth 494.15 kl	Hz	Ref LvI Offset Ref Value 41.7	1.74 dB 4 dBm 000 kHz Total Power	34.9 dBm	Span 1 MHz
1 Graph	oied Bandwidth 494.15 kl mit Freq Error	Hz 252 Hz 593.0 kHz	Ref LvI Offset Ref Value 41.7	1.74 dB 4 dBm 000 kHz Total Power % of OBW Power	34.9 dBm 99.00 %	Span 1 MHz s (10001 pts)





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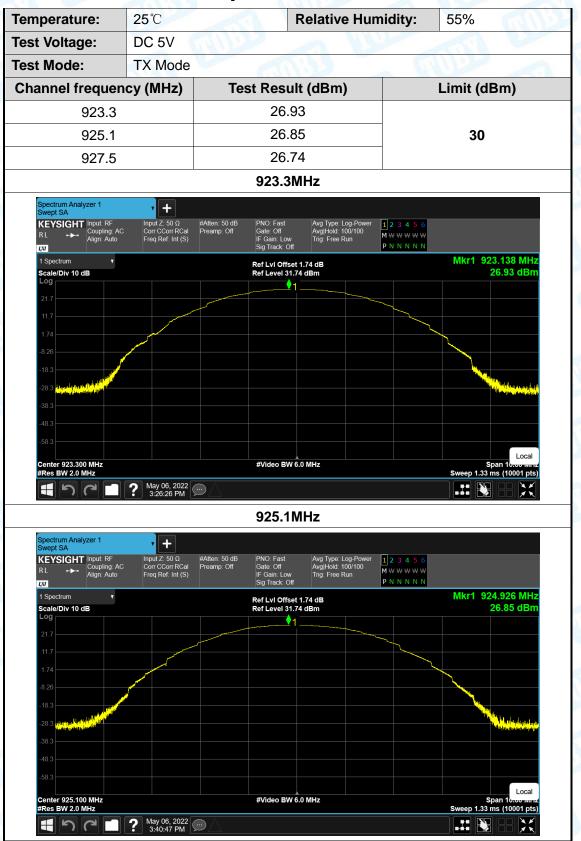






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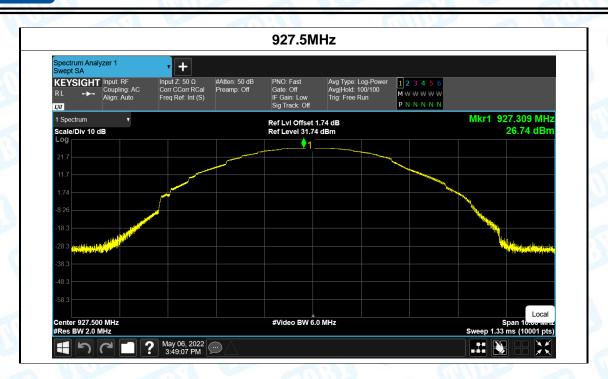
Attachment E—Peak Output Power Data





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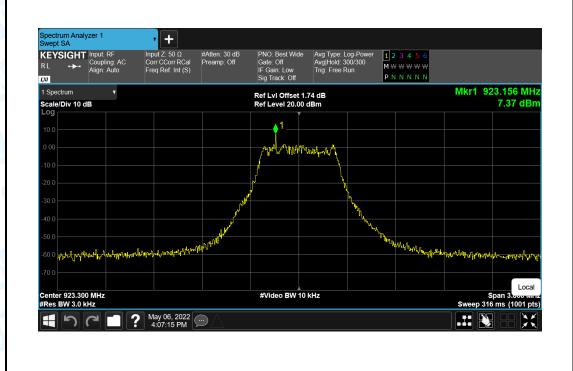


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Attachment F—Power Spectral Density Data

Temperature:	25℃	Relative H	lumidity: 55%	55%	
Test Voltage:	DC 5V				
Test Mode:	TX Mode		MULL		
Channel Frequency		Power Density	Limit	Result	
(MHz)		(dBm/3kHz)	(dBm/3kHz)	Result	
923.3		7.37			
925.1		7.63	8	PASS	
927.5	·	6.54			

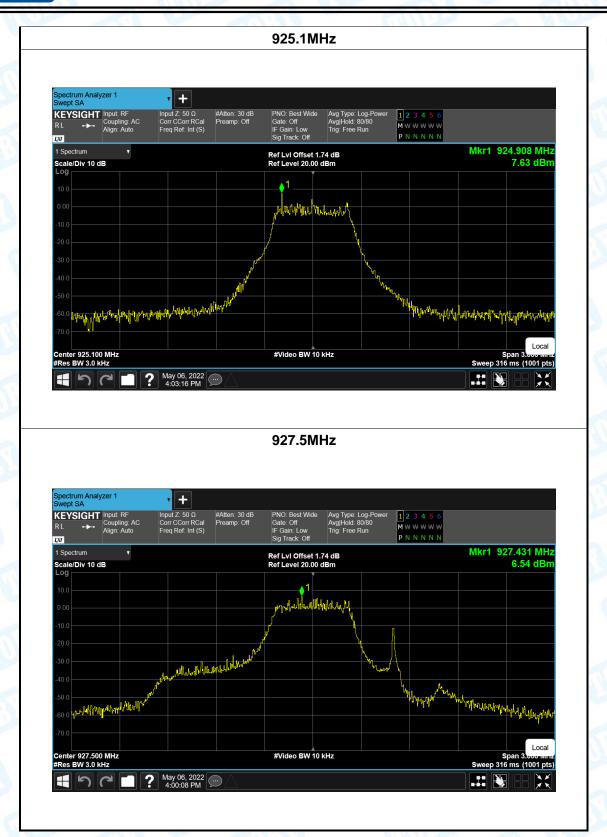
923.3MHz







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----END OF REPORT-----