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FCC REPORT

Application No.: HKES1511002039IT

Applicant: Standard Merit Industrial Limited

Manufacturer: Foshan Shunde Alford Electronics Co., Ltd, Xinjian Industrial Park,

Daliang, Shunde, Foshan City, Guangdong Province, China.

Product Name: Wireless monitor (Monitor unit)

Model No.(EUT): DXR-8 (DXR-8PU)

FCC ID: 2AAAM-DXR-8PU-1

Standards: 47 CFR Part 15, Subpart C (2014)

Date of Receipt: 2015-11-13

Date of Test: 2015-11-26 to 2015-12-30

Date of Issue: 2016-01-06

Test Result: PASS *

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



CHEN Jian-feng, Jeffrey

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.



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2 Version

Revision Record						
Version	Chapter	Date	Modifier	Remark		
00		2016-01-06		Original		

Authorized for issue by:		
Tested By	Martin Li) (Project Engineer	2015-12-30 Date
	(Martin Li) /Project Engineer	Date
Prepared By	Iris Zhou	2016-01-06
	(Iris Zhou) /Clerk	Date
Checked By	Exic Fu (Eric Fu) /Reviewer	2016-01-06 Date



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3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203	ANSI C63.10 (2013)	PASS
AC Power Line Conducted Emission	, ,		PASS
Field Strength of the Fundamental Signal	47 CFR Part 15, Subpart C Section 15.249 (a)	ANSI C63.10 (2013)	PASS
Spurious Emissions	47 CFR Part 15, Subpart C Section 15.249 (a)/15.209	ANSI C63.10 (2013)	PASS
Duty Cycle	47 CFR Part 15, Subpart C Section 15.35 (c)	ANSI C63.10 (2013)	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.249(a)/15.205	ANSI C63.10 (2013)	PASS
20dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.215 (c)	ANSI C63.10 (2013)	PASS



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5 General Information

5.1 Client Information

Applicant:	Standard Merit Industrial Limited				
Address of Applicant:	2/A Harrison Court Stage 6, 10 Man Wan Road, Kowloon, Hong Kong				
Manufacturer: Foshan Shunde Alford Electronics Co., Ltd, Xinjian Industria Daliang, Shunde, Foshan City, Guangdong Province, China.					

5.2 General Description of EUT

Name:	Wireless monitor (Monitor unit)		
Model No.:	DXR-8 (DXR-8PU)		
Frequency Range:	2410.875 MHz ~ 2471.625MHz		
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)		
Hopping Channel Type:	Adaptive Frequency Hopping systems		
Modulation Type:	GFSK		
Number of Channels:	19 (declared by the client)		
Sample Type:	Portable production		
Antenna Type:	Integral		
Antenna Gain:	0dBi		
Power Supply:	Monitor Unit Rechargeable battery: DC 3.7V 1200mAh (charge by USB) Adapter 1 Model: CS3B050055FUUSB Input: AC 100-240V 50/60Hz 200mA Output: DC 5.0V 550 mA Adapter 2 Model: BLJ06W050055U1-U Input: AC 100-240V 50/60Hz 0.2A Output: DC 5V 550mA USB cable1:100cm unshielded USB cable2:300cm unshielded		
Test Voltage:	AC 120V 60Hz		

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Channel	Frequency	Channel	Frequency
1CH	2410.875	14CH	2454.750
2CH	2414.250	15CH	2458.125
3CH	2417.625	16CH	2461.500
4CH	2421.000	17CH	2464.875
5CH	2424.375	18CH	2468.250
6CH	2427.750	19CH	2471.625
7CH	2431.125		
8CH	2434.500		
9CH	2437.875		
10CH	2441.250		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel (CH0)	2410.875MHz
The middle channel (CH10)	2441.250MHz
The highest channel (CH19)	2471.625MHz



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5.3 Test Environment and Mode

Operating Environment:	Operating Environment:			
Temperature:	25.0 °C			
Humidity:	50% RH			
Atmospheric Pressure:	1025 mbar			

5.4 Description of Support Units

The EUT has been tested independent unit.

5.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

5.6 Deviation from Standards

None.

5.7 Abnormalities from Standard Conditions

None.

5.8 Other Information Requested by the Customer

None.



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5.9 Equipment List

	Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date	
1	Shielding Room	ZhongYu Electron	GB-88	SEL0042	2015-05-13	2016-05-13	
2	LISN	Rohde & Schwarz	ENV216	SEL0152	2015-10-09	2016-10-09	
3	LISN	ETS-LINDGREN	3816/2	SEL0021	2015-05-13	2016-05-13	
4	8 Line ISN	Fischer Custom Communications Inc.	FCC-TLIS N-T8-02	SEL0162	2015-08-30	2016-08-30	
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLIS N-T4-02	SEL0163	2015-08-30	2016-08-30	
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLIS N-T2-02	SEL0164	2015-08-30	2016-08-30	
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEL0022	2015-05-13	2016-05-13	
8	Coaxial Cable	SGS	N/A	SEL0025	2015-05-13	2016-05-13	
9	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-09	2016-10-09	
10	Humidity/ Temperature Indicator	Shanhai Qixiang	ZJ1-2B	SEL0103	2015-10-24	2016-10-24	
11	Barometer	Chang Chun	DYM3	SEL0088	2015-05-13	2016-05-13	



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				Page	: 9 01 47		
	RE in Chamber						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)	
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	2015-05-13	2016-05-13	
2	EMI Test Receiver	Agilent Technologies	N9038A	SEL0312	2015-09-16	2016-09-16	
3	EMI Test software	AUDIX	E3	SEL0050	N/A	N/A	
4	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0015	2014-11-15	2017-11-15	
5	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0006	2015-10-17	2016-10-17	
6	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEL0076	2014-11-24	2017-11-24	
7	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	2015-05-13	2016-05-13	
8	Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEL0168	2015-10-17	2016-10-17	
9	Coaxial cable	SGS	N/A	SEL0027	2015-05-13	2016-05-13	
10	Coaxial cable	SGS	N/A	SEL0189	2015-05-13	2016-05-13	
11	Coaxial cable	SGS	N/A	SEL0121	2015-05-13	2016-05-13	
12	Coaxial cable	SGS	N/A	SEL0178	2015-05-13	2016-05-13	
13	Band filter	Amindeon	82346	SEL0094	2015-05-13	2016-05-13	
14	Barometer	Chang Chun	DYM3	SEL0088	2015-05-13	2016-05-13	
15	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-09	2016-10-09	
16	Humidity/ Temperature Indicator	Shanhai Qixiang	ZJ1-2B	SEL0103	2015-10-24	2016-10-24	
17	Signal Generator (10M-27GHz)	Rohde & Schwarz	SMR27	SEL0067	2015-05-13	2016-05-13	
18	Loop Antenna	Beijing Daze	ZN30401	SEL0203	2015-05-13	2016-05-13	



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	RF connected test						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)	
1	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-09	2016-10-09	
2	Humidity/ Temperature Indicator	HYGRO	ZJ1-2B	SEL0033	2015-10-24	2016-10-24	
3	Spectrum Analyzer	Rohde & Schwarz	FSP	SEL0154	2015-10-17	2016-10-17	
4	Coaxial cable	SGS	N/A	SEL0178	2015-05-13	2016-05-13	
5	Coaxial cable	SGS	N/A	SEL0179	2015-05-13	2016-05-13	
6	Barometer	ChangChun	DYM3	SEL0088	2015-05-13	2016-05-13	
7	Signal Generator	Rohde & Schwarz	SML03	SEL0068	2015-04-25	2016-04-25	
8	POWER METER	R & S	NRVS	SEL0144	2015-10-09	2016-10-09	
9	Attenuator	Beijin feihang taida	TST-2-6dB	SEL0205	2015-04-25	2016-04-25	



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6 Test results and Measurement Data

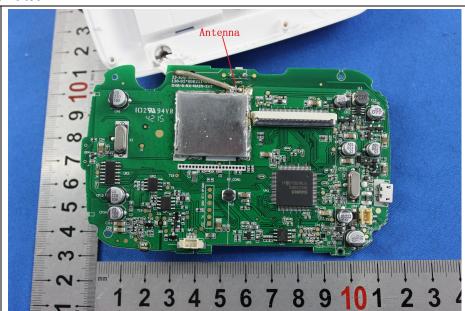
6.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203

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.

EUT Antenna:





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The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 0dBi.



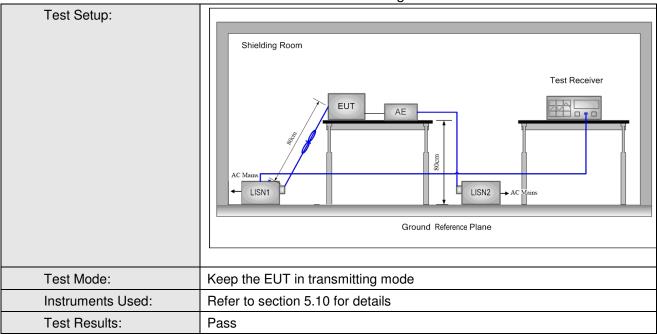
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6.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207							
Test Method:	ANSI C63.10: 2013							
Test Frequency Range:	150KHz to 30MHz							
Limit:	Francisco (MILE)	Limit (dBuV)						
	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					
	* Decreases with the logarithn							
Test Procedure:	1) The mains terminal disturb	ance voltage test was	conducted in a					
	shielded room.							
	2) The EUT was connected to	o AC power source thro	ough a LISN 1 (Line					
	Impedance Stabilization Netv	work) which provides a	50Ω/50μΗ + 5Ω					
	linear impedance. The pov	ver cables of all other u	inits of the EUT were					
	connected to a second LIS	SN 2, which was bonded	d to the ground					
	reference plane in the sam	ne way as the LISN 1 fo	or the unit being					
	measured. A multiple sock	et outlet strip was used	d to connect multiple					
	power cables to a single LISN provided the rating of the LISN was not							
	exceeded.							
	3) The tabletop EUT was place	ced upon a non-metallic	c table 0.8m above the					
	ground reference plane. A	•						
	was placed on the horizon	•	•					
	4) The test was performed wi	-						
	of the EUT shall be 0,4 m	_	•					
	vertical ground reference p	•	·					
	reference plane. The LISN		<u>~</u>					
	the unit under test and bor	•	-					
		•	·					
	mounted on top of the ground reference plane. This distance was							
	between the closest points of the LISN 1 and the EUT. All other units of							
	the EUT and associated equipment was at least 0,8 m from the LISN 2.							
	5) In order to find the maximum emission, the relative positions of							
	equipment and all of the interface cables must be changed according to							
	ANSI C63.10: 2013 on conducted measurement.							



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Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

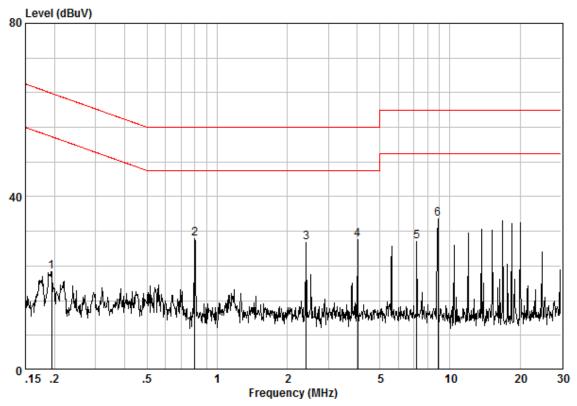
Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.



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Adapter 1 Model: CS3B050055FUUSB

Live Line:



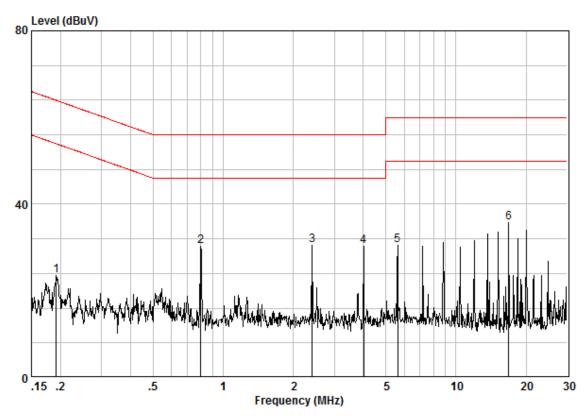
Site : Shielding Room Condition : CE LINE Job No. : 2039IT Test Mode : Charge+TX

	Freq		LISN Factor				Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.19447	0.02	9.60	13.08	22.70	53.84	-31.14	Peak
2	0.80023	0.02	9.60	20.59	30.21	46.00	-15.79	Peak
3	2.409	0.02	9.62	19.87	29.51	46.00	-16.49	Peak
4	4.006	0.02	9.63	20.44	30.09	46.00	-15.91	Peak
5	7.213	0.01	9.68	19.86	29.55	50.00	-20.45	Peak
6	8.869	0.01	9.70	25.08	34.79	50.00	-15.21	Peak



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Neutral Line:



Site : Shielding Room Condition : CE NEUTRAL Job No. : 2039IT Test Mode : Charge+TX

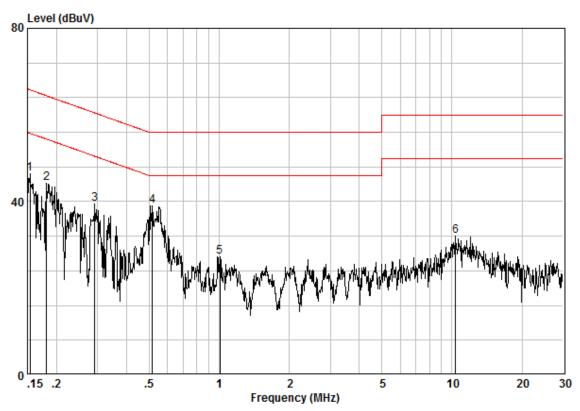
	Freq		LISN Factor					Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.19140	0.02	9.62	13.83	23.46	53.98	-30.51	Peak
2	0.80023	0.02	9.64	20.58	30.24	46.00	-15.76	Peak
3	2.409	0.02	9.67	20.85	30.54	46.00	-15.46	Peak
4	4.006	0.02	9.68	20.57	30.26	46.00	-15.74	Peak
5	5.623	0.01	9.73	20.88	30.62	50.00	-19.38	Peak
6	16.839	0.02	9.95	25.68	35.65	50.00	-14.35	Peak



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Adapter 1 Model: CS3B050055FUUSB

Live Line:



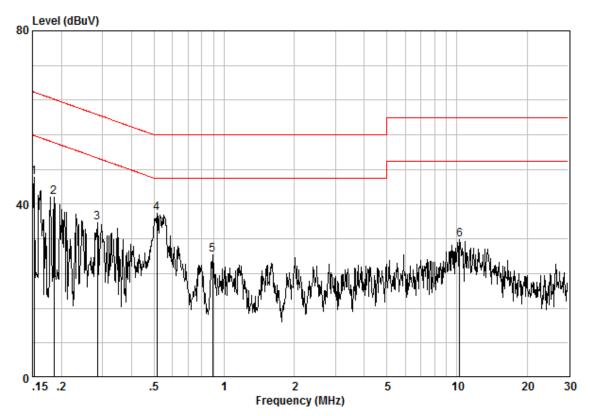
Site : Shielding Room Condition : CE LINE Job No. : 2039IT Test Mode : Charge+TX

	Freq		LISN Factor				Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15403	0.02	9.59	36.75	46.36	55.78	-9.42	Peak
2	0.18152	0.02	9.60	34.64	44.26	54.42	-10.16	Peak
3	0.29243	0.01	9.59	29.75	39.35	50.46	-11.10	Peak
4	0.51550	0.01	9.59	29.49	39.09	46.00	-6.91	Peak
5	1.005	0.02	9.63	17.64	27.29	46.00	-18.71	Peak
6	10.342	0.01	9.71	22.35	32.08	50.00	-17.92	Peak



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Neutral Line:



Site : Shielding Room Condition : CE NEUTRAL Job No. : 2039IT Test Mode : Charge+TX

	Freq		LISN Factor					Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15240	0.02	9.62	36.48	46.12	55.87	-9.75	Peak
2	0.18541	0.02	9.61	31.97	41.60	54.24	-12.64	Peak
3	0.28478	0.01	9.62	26.19	35.82	50.68	-14.85	Peak
4	0.51278	0.01	9.63	28.19	37.83	46.00	-8.17	Peak
5	0.88969	0.02	9.63	18.62	28.28	46.00	-17.72	Peak
6	10.288	0.01	9.80	21.99	31.80	50.00	-18.20	Peak

Notes:

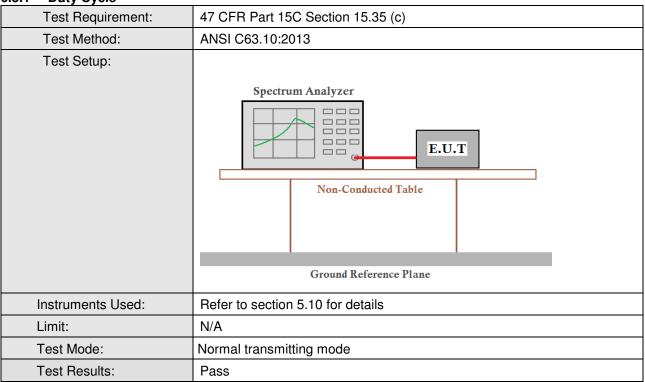
- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.



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6.3 Spurious Emissions

6.3.1 Duty Cycle



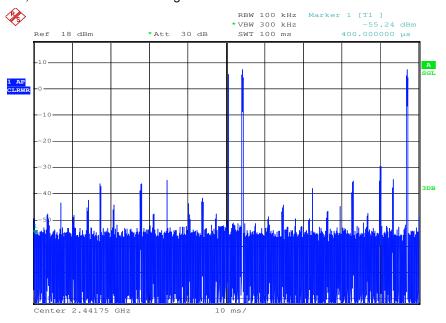
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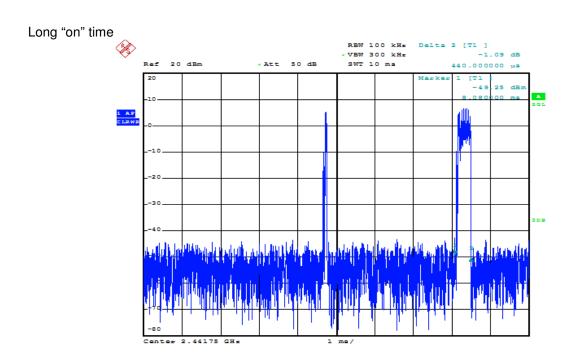


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Test plot as follows:

3 bursts in 100mS, 1 short "on" time + 2 long "on" time

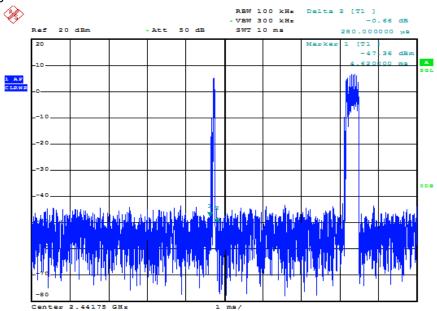






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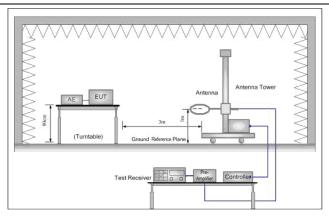
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6.3.2 Radiated Emission

6.3.2 Radiated Emiss	sion								
Test Requirement:	47 CFR Part 15C Section 15.249 and 15.209								
Test Method:	ANSI C63.10: 2013								
Test Site:	Measurement Distance: 3	3m (Semi-Anechoi	c Chamber)			_			
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark				
	0.009MHz-0.090MHz	Peak	10kHz	30KHz	Peak				
	0.009MHz-0.090MHz	Average	10kHz	30KHz	Average				
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30KHz	Quasi-peak				
	0.110MHz-0.490MHz	Peak	10kHz	30KHz	Peak				
	0.110MHz-0.490MHz	Average	10kHz	30KHz	Average				
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak				
	30MHz-1GHz	Quasi-peak	100 kHz	300KHz	Quasi-peak				
	Above 1GHz	Peak	1MHz	3MHz	Peak				
	Above 1GHz	Peak	1MHz	10Hz	Average				
Limit: (Spurious Emissions)	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurem distance (
	0.009MHz-0.490MHz	2400/F (kHz)	-	-	300				
	0.490MHz-1.705MHz	24000/F (kHz)	-	-	30				
	1.705MHz-30MHz	30			30				
	30MHz-88MHz	100	40.0	Quasi-peal	κ 3				
	88MHz-216MHz	150	43.5	Quasi-peal	κ 3				
	216MHz-960MHz	200	46.0	Quasi-peal	3				
	960MHz-1GHz	500	54.0	Quasi-peal	κ 3				
	Above 1GHz	500	54.0	Average	3				
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emission is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission legical radiated by the device.								
Limit:	Frequency	Limit (dBuV/	m @3m)	Remark					
(Field strength of the	0.4001411 0.400 51411	94.0)	Average Valu	Je				
fundamental signal)	2400MHz-2483.5MHz	114.	0	Peak Value)				
Test Setup:					<u> </u>				



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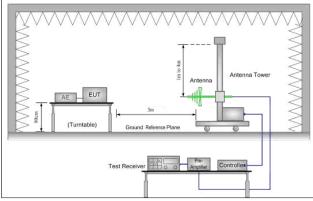


Figure 1. Below 30MHz

Figure 2. 30MHz to 1GHz

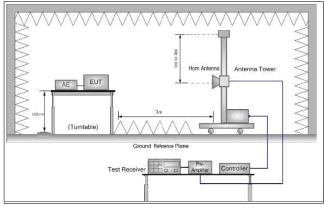


Figure 3. Above 1 GHz

Test Procedure:

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel



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	i. The radiation measurements are performed in X, Y, Z axis positioning for
	Transmitting mode, And found the X axis positioning which it is worse case.
	j. Repeat above procedures until all frequencies measured was complete.
Instruments Used:	Refer to section 5.10 for details
Exploratory Test Mode:	Transmitting mode, Charge +Transmitting mode
Final Test Mode:	Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case
	Only the worst case is recorded in the report.
Test Results:	Pass

Average value:							
	Average value=Peak value + PDCF						
Calculate Formula:	PDCF=20 log(Duty cycle)						
	Duty cycle= T on time / T period						
	Ton time =0.44*2+0.28=1.16						
Test data:	T period =100						
	Average value=-38.71						



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Measurement Data

6.3.2.1 Field Strength Of The Fundamental Signal

Test channel: lowest

Peak value:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2470.83	5.40	28.93	38.12	107.25	103.46	114.00	-10.54	Horizontal
2470.83	5.40	28.93	38.12	102.29	98.50	114.00	-15.50	Vertical

Average value= Peak value+20 log(Duty cycle)

Test mode:	GFSK	Test channel:	Lowest	Remark:	Average
Frequency (MHz)	Average Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2470.83	-38.71	64.75	94.00	-29.25	Horizontal
2470.83	-38.71	59.79	94.00	-34.21	Vertical



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Test channel: Middle

Peak value:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2410.11	5.35	28.65	38.11	108.78	104.67	114.00	-9.33	Horizontal
2410.11	5.35	28.65	38.11	102.57	98.46	114.00	-15.54	Vertical

Average value= Peak value+20 log(Duty cycle)

Test mode:	GFSK	Test channel:	Lowest	Remark:	Average
Frequency (MHz)	Average Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2410.11	-38.71	65.96	94.00	-28.04	Horizontal
2410.11	-38.71	59.75	94.00	-34.25	Vertical



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Test channel: Highest

Peak value:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2470.83	5.40	28.93	38.12	107.25	103.46	114.00	-10.54	Horizontal
2470.83	5.40	28.93	38.12	102.29	98.50	114.00	-15.50	Vertical

Average value= Peak value+20 log(Duty cycle)

Test mode:	GFSK	Test channel:	Lowest	Remark:	Average
Frequency (MHz)	Average Factor(dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2470.83	-38.71	64.75	94.00	-29.25	Horizontal
2470.83	-38.71	59.79	94.00	-34.21	Vertical



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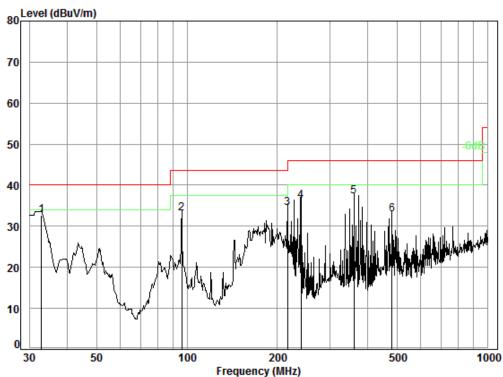
6.3.2.2 **Spurious Emissions**

30MHz~1GHz (QP)

Adapter 1 Model: CS3B050055FUUSB

Test mode:	Charge + Transmitting mode	Vertical
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Condition: 3m 3142C 2015 VERTICAL

Job No. : 2039IT

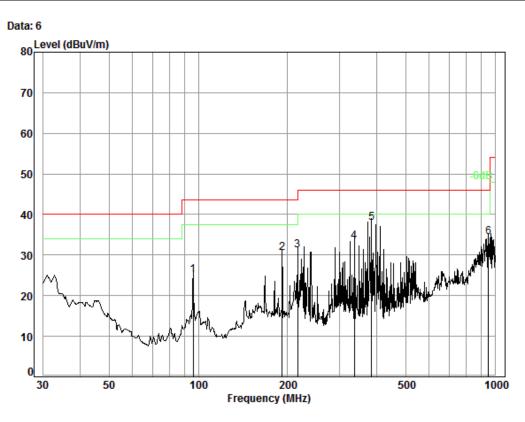
Test mode: Charge+TX mode

				Preamp				0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.86	0.60	17.50	26.00	40.58	32.68	40.00	-7.32
2	96.10	1.16	7.63	25.90	50.20	33.09	43.50	-10.41
3	216.02	1.49	7.59	25.76	51.18	34.50	46.00	-11.50
4	239.99	1.62	9.00	25.74	51.37	36.25	46.00	-9.75
5	359.19	2.09	12.45	25.67	48.39	37.26	46.00	-8.74
6	480.53	2.53	13.13	25.63	42.83	32.86	46.00	-13.14



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Test mode:	Charge + Transmitting mode	Horizontal
------------	----------------------------	------------



Condition: 3m 3142C 2015 HORIZONTAL

Job No. : 2039IT

Test mode: Charge+TX mode

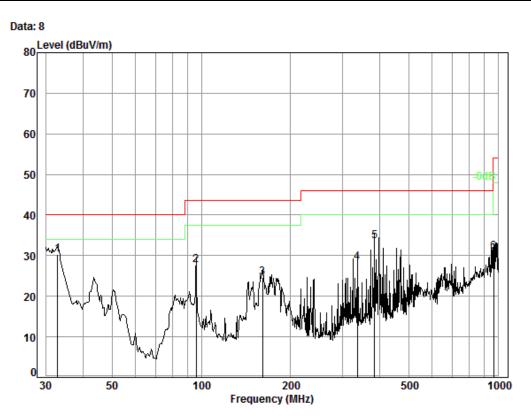
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	96.10	1.16	7.63	25.90	42.24	25.13	43.50	-18.37
2	191.75	1.39	6.40	25.78	48.45	30.46	43.50	-13.04
3	216.02	1.49	7.59	25.76	47.78	31.10	46.00	-14.90
4	336.04	2.02	11.60	25.68	45.46	33.40	46.00	-12.60
5	383.93	2.16	12.92	25.66	48.50	37.92	46.00	-8.08
6	948.76	3.65	22.33	24.73	33.16	34.41	46.00	-11.59



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Adapter 2 Model: BLJ06W050055U1-U

Test mode:	Charge +Transmitting	Vertical
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Condition: 3m 3142C 2015 VERTICAL

Job No. : 2039IT

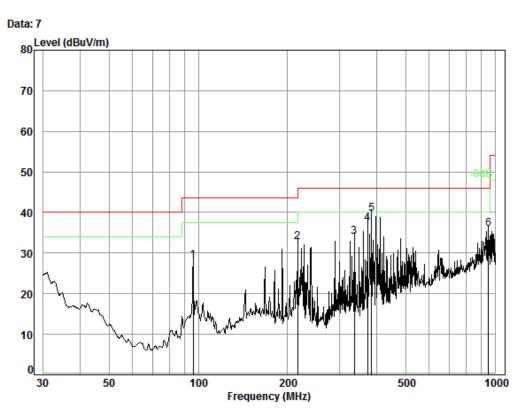
Test mode: Charge+TX mode

		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.86	0.60	17.50	26.00	38.20	30.30	40.00	-9.70
2	96.10	1.16	7.63	25.90	44.74	27.63	43.50	-15.87
3	160.91	1.34	10.23	25.81	38.91	24.67	43.50	-18.83
4	336.04	2.02	11.60	25.68	40.34	28.28	46.00	-17.72
5	383.93	2.16	12.92	25.66	44.17	33.59	46.00	-12.41
6	965.54	3.67	22.11	24.62	29.73	30.89	54.00	-23.11



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Test mode:	Charge +Transmitting	Horizontal
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Condition: 3m 3142C 2015 HORIZONTAL

Job No. : 2039IT

Test mode: Charge+TX mode

		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB		dB		dBuV/m	dBuV/m	dB
	PHIZ	ub	ub/iii	ub	abav	ubuv/III	ubuv/III	ub
1	96.10	1.16	7.63	25.90	45.16	28.05	43.50	-15.45
2	216.02	1.49	7.59	25.76	49.42	32.74	46.00	-13.26
3	336.04	2.02	11.60	25.68	46.09	34.03	46.00	-11.97
4	372.00	2.12	12.52	25.67	48.25	37.22	46.00	-8.78
5	383.93	2.16	12.92	25.66	50.30	39.72	46.00	-6.28
6	948.76	3.65	22.33	24.73	34.65	35.90	46.00	-10.10



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Above 1GHz												
Test mode:		Tran	smitting	Test char	nnel:	Lc	west	Remark:	Remark:		Peak	
Frequency (MHz)	Lo	ible oss IB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Leve (dBuV		Level (dBuV/m)	Limit Line (dBuV/m)	Ov Lim (dE	nit	Polarization	
3527.774	31	.99	7.64	38.38	45.52	2	46.77	74	-27.	23	Vertical	
4821.750	34	.12	8.89	38.75	49.56	6	53.82	74	-20.	18	Vertical	
6016.949	34	.71	10.54	38.94	45.56	6	51.87	74	-22.	13	Vertical	
7232.625	35	.58	10.69	37.63	41.41		50.05	74	-23.	95	Vertical	
9643.500	37	.10	12.52	36.30	36.81		50.13	74	-23.	87	Vertical	
12603.270	37	.90	14.44	37.75	37.22	2	51.81	74	-22.	19	Vertical	
3206.470	31	.80	7.56	38.24	49.95	5	51.07	74	-22.	93	Horizontal	
4821.750	34	.12	8.89	38.75	49.00)	53.26	74	-20.	74	Horizontal	
5982.226	34	.66	10.51	38.96	45.62	2	51.83	74	-22.	17	Horizontal	
7232.625	35	.58	10.69	37.63	41.39)	50.03	74	-23.	97	Horizontal	
9643.500	37	.10	12.52	36.30	35.62	2	48.94	74	-25.	06	Horizontal	
12603.270	37	.90	14.44	37.75	37.34		51.93	74	-22.	07	Horizontal	

Test mode: Transr		smitting	Test channel:		Middle	Remark:	Pe	Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV	Level (dRuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
3253.202	31.80	7.57	38.26	46.94	48.05	74	-25.95	Vertical	
4882.500	34.18	8.98	38.77	48.88	53.27	74	-20.73	Vertical	
6016.949	34.71	10.54	38.94	46.55	52.86	74	-21.14	Vertical	
7323.750	35.54	10.72	37.59	42.64	51.31	74	-22.69	Vertical	
9765.000	37.10	12.58	36.14	37.89	51.43	74	-22.57	Vertical	
12494.320	37.79	14.15	37.65	38.34	52.63	74	-21.37	Vertical	
3641.878	32.27	7.68	38.42	44.93	46.46	74	-27.54	Horizontal	
4882.500	34.18	8.98	38.77	49.12	53.51	74	-20.49	Horizontal	
5964.939	34.61	10.46	38.95	45.95	52.07	74	-21.93	Horizontal	
7323.750	35.54	10.72	37.59	41.25	49.92	74	-24.08	Horizontal	
9765.000	37.10	12.58	36.14	37.47	51.01	74	-22.99	Horizontal	
12603.270	37.90	14.44	37.75	38.21	52.80	74	-21.20	Horizontal	



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Test mode:	Trar	nsmitting	Test char	nnel:	Highest	Remark:		Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	1 (dBiiV/m) 1 (dBiiV/m) 1		t Polarization	
3497.281	31.95	7.63	38.36	45.81	47.03	74	-26.9	7 Vertical
4943.250	34.24	9.06	38.78	47.45	51.97	74	-22.0	3 Vertical
6016.949	34.71	10.54	38.94	46.57	52.88	74	-21.1	2 Vertical
7414.875	35.54	10.76	37.55	40.75	49.50	74	-24.5	0 Vertical
9886.500	37.19	12.65	35.98	37.96	51.82	74	-22.1	8 Vertical
12530.530	37.83	14.24	37.68	38.39	52.78	74	-21.2	2 Vertical
3291.078	31.80	7.58	38.28	51.39	52.49	74	-21.5	1 Horizontal
4943.250	34.24	9.06	38.78	47.43	51.95	74	-22.0	5 Horizontal
6034.386	34.72	10.52	38.91	45.73	52.06	74	-21.9	4 Horizontal
7414.875	35.54	10.76	37.55	40.92	49.67	74	-24.3	3 Horizontal
9886.500	37.19	12.65	35.98	37.82	51.68	74	-22.3	2 Horizontal
12566.850	37.87	14.34	37.72	38.46	52.95	74	-21.0	5 Horizontal

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

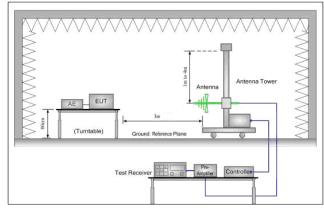


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6.4 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 1	15.209 and 15.205						
Test Method:	ANSI C63.10: 2013							
Test Site:	Measurement Distance: 3n	n (Semi-Anechoic Chambe	r)					
Limit(band edge):	Emissions radiated outside	e of the specified frequency	y bands, except for					
	harmonics, shall be attenua	ated by at least 50 dB belov	w the level of the					
	fundamental or to the gene	eral radiated emission limits	in Section 15.209,					
	whichever is the lesser attenuation.							
	Frequency	Limit (dBuV/m @3m)	Remark					
	30MHz-88MHz	40.0	Quasi-peak Value					
	88MHz-216MHz	43.5	Quasi-peak Value					
	216MHz-960MHz	46.0	Quasi-peak Value					
	960MHz-1GHz	54.0	Quasi-peak Value					
	AL 4011	54.0 Average Value						
	Above 1GHz	74.0	Peak Value					
Test Setup:								

Test Setup:



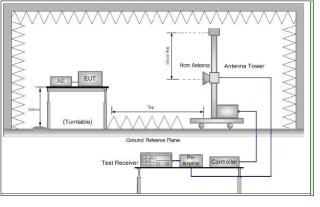


Figure 1. 30MHz to 1GHz

Figure 2. Above 1 GHz



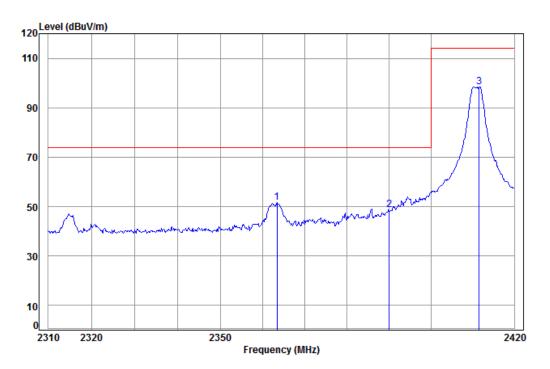
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a. For bleow 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel h. Test the EUT in the lowest channel, the Highest channel The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. Refer to section 5.10 for details Exploratory Test Mode: Final Test Mode: Final Test Mode: Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.							
meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel h. Test the EUT in the lowest channel , the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. Instruments Used: Exploratory Test Mode: Transmitting mode,Charge +Transmitting mode Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.	Test Procedure:	meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest					
antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel h. Test the EUT in the lowest channel , the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. Instruments Used: Refer to section 5.10 for details Exploratory Test Mode: Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.		meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest					
ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel h. Test the EUT in the lowest channel, the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. Instruments Used: Refer to section 5.10 for details Exploratory Test Mode: Transmitting mode, Charge +Transmitting mode, found the Charge +Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.		antenna, which was mounted on the top of a variable-height antenna					
and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel h. Test the EUT in the lowest channel, the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. Instruments Used: Refer to section 5.10 for details Exploratory Test Mode: Transmitting mode, Charge +Transmitting mode Final Test Mode: Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.		ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the					
Specified Bandwidth with Maximum Hold Mode. g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel h. Test the EUT in the lowest channel, the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. Instruments Used: Refer to section 5.10 for details Exploratory Test Mode: Transmitting mode, Charge +Transmitting mode Final Test Mode: Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.		and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to					
frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel h. Test the EUT in the lowest channel, the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. Instruments Used: Refer to section 5.10 for details Exploratory Test Mode: Transmitting mode, Charge +Transmitting mode Final Test Mode: Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.							
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. Instruments Used: Refer to section 5.10 for details Exploratory Test Mode: Transmitting mode, Charge +Transmitting mode Final Test Mode: Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.		frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each					
for Transmitting mode,And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. Refer to section 5.10 for details Exploratory Test Mode: Transmitting mode,Charge +Transmitting mode Final Test Mode: Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.		h. Test the EUT in the lowest channel, the Highest channel					
Instruments Used: Refer to section 5.10 for details Exploratory Test Mode: Transmitting mode, Charge +Transmitting mode Final Test Mode: Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.		for Transmitting mode, And found the X axis positioning which it is worse					
Exploratory Test Mode: Final Test Mode: Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.		j. Repeat above procedures until all frequencies measured was complete.					
Final Test Mode: Pretest the EUT at Transmitting mode and Charge +Transmitting mode, found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.	Instruments Used:	Refer to section 5.10 for details					
found the Charge +Transmitting mode which it is worse case Only the worst case is recorded in the report.	Exploratory Test Mode:	Transmitting mode, Charge + Transmitting mode					
	Final Test Mode:	Pretest the EUT at Transmitting mode and Charge +Transmitting mode,					
Test Results: Pass		Only the worst case is recorded in the report.					
	Test Results:	Pass					



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Band edge test data (Radiated Emission) Test mode: Transmitting Test channel: Lowest Remark: Peak Vertical



Condition: 3m Vertical Job No: : 2039IT

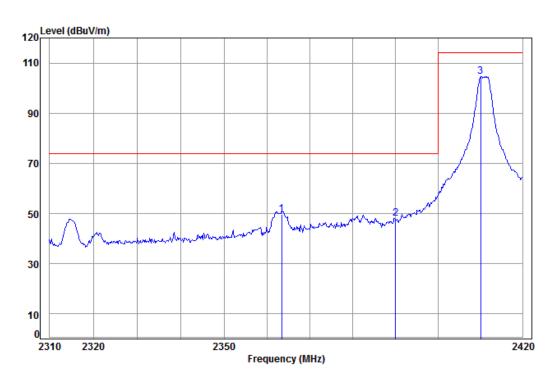
Mode: : 2410.875 Band edge

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Freq Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m 2363.37 5.32 28.49 38.11 55.89 51.59 74.00 -22.41 2390.00 5.34 28.57 38.11 52.83 48.63 74.00 -25.37 2411.57 5.35 28.65 38.11 102.57 98.46 114.00 -15.54



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Τe	est mode:	Transmitting	Test channel:	Lowest	Remark:	Peak	Horizontal	l
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Condition: 3m Horizontal

Job No: : 2039IT

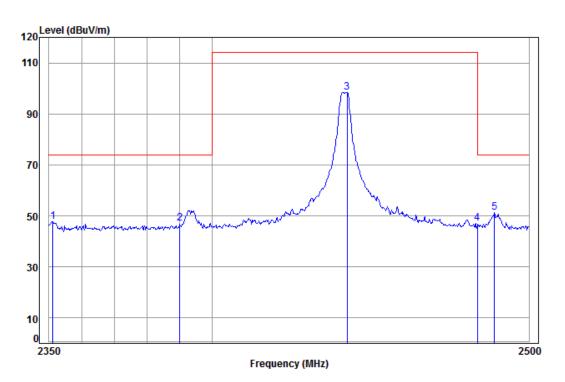
Mode: : 2410.875 Band edge

	Freq						Limit Line	Over Limit
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
2 pk	2363.37 2390.00 2410.11	5.34	28.57	38.11	52.28	48.08	74.00	-25.92



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Test mode: Transmitting Test channel: Middle Remark: Peak Vertical	Test mode:	Transmitting	Test channel:	Middle	Remark:	Peak	Vertical
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Condition: 3m Vertical

Job No: : 2039IT

Mode: : 2441.250 Band edge

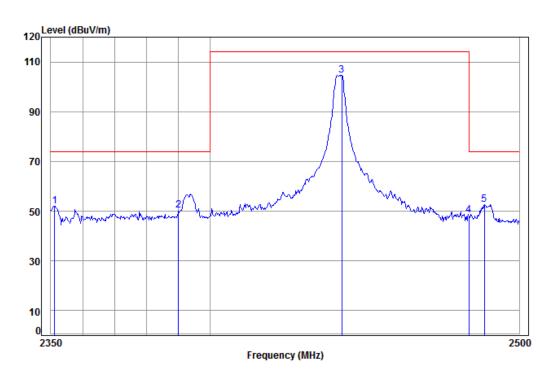
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
_								
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2351.16	5.31	28.46	38.11	52.17	47.83	74.00	-26.17
2	2390.00	5.34	28.57	38.11	51.24	47.04	74.00	-26.96
3 pp	2442.06	5.38	28.80	38.11	102.41	98.48	114.00	-15.52
4 pk	2483.50	5.41	28.98	38.12	50.83	47.10	74.00	-26.90
5	2488.89	5.41	29.01	38.12	54.89	51.19	74.00	-22.81

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Test mode: Transmitting	Test channel:	Middle	Remark:	Peak	Horizontal
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Condition: 3m Horizontal

Job No: : 2039IT

Mode: : 2441.250 Band edge

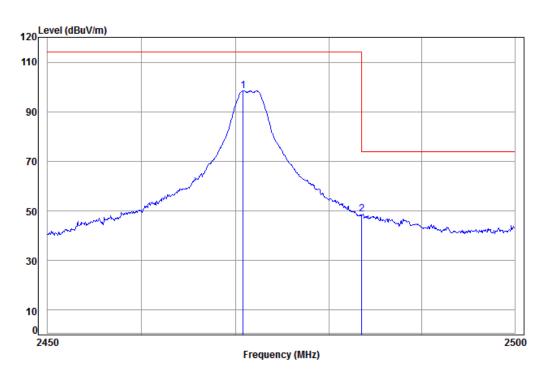
	Freq						Limit	
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
2 pk 3 pp 4	2351.16 2390.00 2442.06 2483.50 2488.58	5.34 5.38 5.41	28.57 28.80 28.98	38.11 38.11 38.12	54.55 108.70 52.20	50.35 104.77 48.47	74.00 114.00 74.00	-23.65 -9.23 -25.53

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Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak	Vertical	l



Limit

Over

Condition: 3m Vertical

Job No: : 2039IT

Mode: : 2471.625 Band edge

Cable

Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m 1 pp 2470.83 5.40 28.93 38.12 102.29 98.50 114.00 -15.50 28.98 38.12 52.51 48.78 74.00 -25.22 2 pk 2483.50 5.41

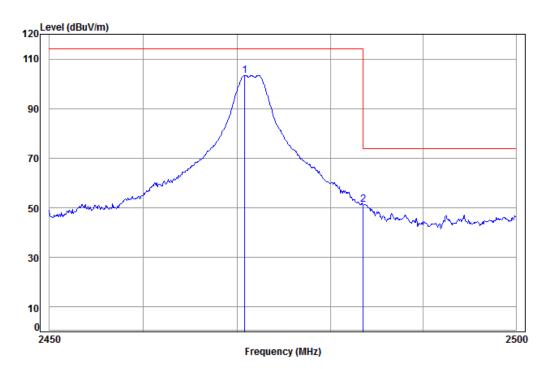
Read

Ant Preamp



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Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak	Horizontal	
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Condition: 3m Horizontal

Job No: : 2039IT

Mode: : 2471.625 Band edge

0ver	Limit		Read	Preamp	Ant	Cable	
Limit	Line	Level	Level	Factor	Factor	Loss	Frea
	ID 1//	ID 1//					
dB	abuv/m	abuv/m	abuv	dB	aB/m	dB	MHz
-10.54	114.00	103.46	107.25	38.12	28.93	5.40	2470.83

1 pp 2470.83 5.40 28.93 38.12 107.25 103.46 114.00 -10.54 2 pk 2483.50 5.41 28.98 38.12 55.22 51.49 74.00 -22.51

Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.



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6.5 20dB Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.215	
Test Method:	ANSI C63.10:2013	
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane	
Instruments Used:	Refer to section 5.10 for details	
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type	
Final Test Mode:	Through Pre-scan, find the DH3 of date type is the worse case of 8DPSK modulation type	
Limit:	N/A	
Test Results:	Pass	

Measurement Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	3.68	Pass
Middle	3.86	Pass
Highest	3.78	Pass

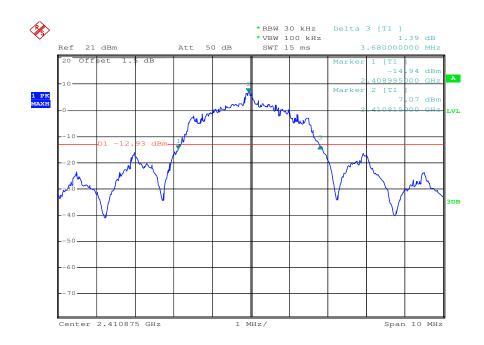
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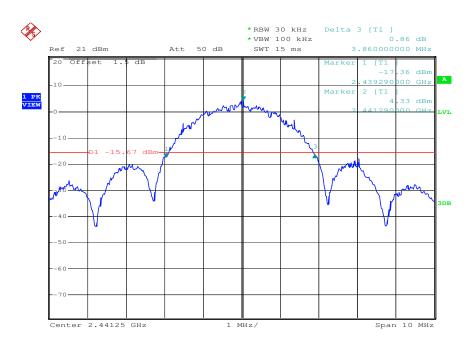
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Test plot as follows:

Test channel: Lowest



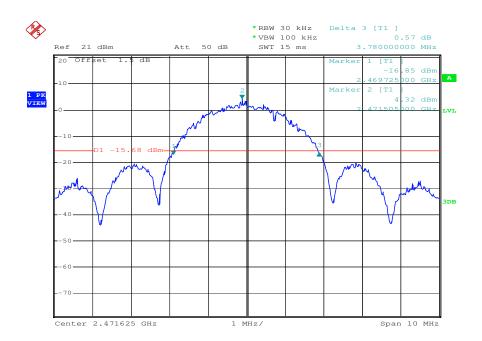
Test channel: Middle





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Test channel: Highest





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7 Photographs

Test model No.: DXR-8 (DXR-8PU)

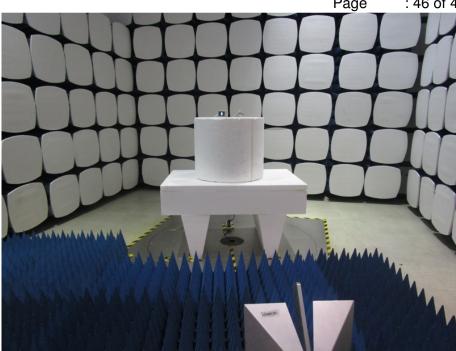
7.1 Radiated Emission Test Setup







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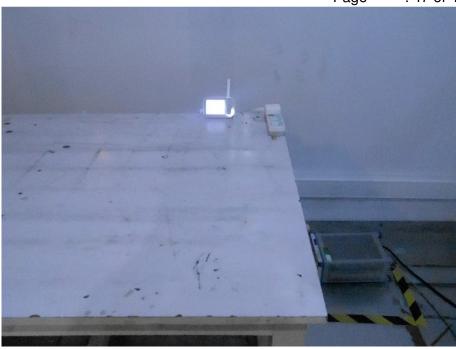


7.2 Conducted Emission





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7.3 EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for HKES1511002039IT.