

FCC Test Report

FCC ID	:	2AWUU6057001
Equipment	:	Wireless Door Sensor
Model No.	:	BR31-HW
Brand Name	:	Verkada
Applicant	:	Verkada Inc.
Address	:	405 E. 4th Ave. San Mateo CA 94401 United States Of America (Excluding The States Of Alaska
Standard	:	47 CFR FCC Part 15.247
Received Date	:	Oct. 06, 2021
Tested Date	:	Oct. 06 ~ Oct. 07, 2021

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:

ong Chen

Along Cherd/ Assistant Manager





Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FR100601	Rev. 01	Initial issue	Oct. 20, 2021



Summary of Test Results

Test Items	Measured	Result
Conducted Emissions	Note	Pass
Radiated Emissions	[dBuV/m at 3m]: 3660.00MHz 40.69 (Margin -13.31dB) - AV	Pass
Maximum Output Power	Max Power [dBm]: 17.78	Pass
6dB Bandwidth	Meet the requirement of limit	Pass
Power Spectral Density	Meet the requirement of limit	Pass
Antenna Requirement	Meet the requirement of limit	Pass
	Conducted Emissions Radiated Emissions Maximum Output Power 6dB Bandwidth Power Spectral Density	Conducted EmissionsNoteRadiated Emissions[dBuV/m at 3m]: 3660.00MHz 40.69 (Margin -13.31dB) - AVMaximum Output PowerMax Power [dBm]: 17.786dB BandwidthMeet the requirement of limitPower Spectral DensityMeet the requirement of limit

N/A means Not Applicable.

Note: The EUT consumes DC power from battery, so the test is not required.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz) Ch. Freq. (MHz) Modulation Data Rate					
915 ~ 916 915, 915.35, 915.70		DSSS-OQPSK	80Kbps		

1.1.2 Antenna Details

Ant. No.	Туре	Connector	Gain (dBi)	
1	Monopole	Murata connector	-1.7	

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type 3Vdc from battery

1.1.4 Accessories

N/A



1.1.5 Channel List

Channel	MHz
0	915
10	915.35
20	915.70

1.1.6 Test Tool and Duty Cycle

Test Tool	Tera Term, Version: V4.94	۱ ۲		
Duty Cycle and Duty Factor	Duty Cycle (%)	Duty Factor (dB)		
	100.00%	0.00		

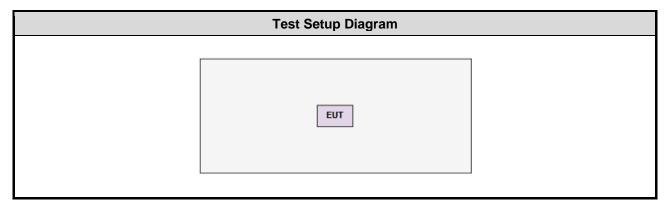
1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)			
	915	915.35	915.70	
DSSS-OQPSK	200	200	200	

1.2 Local Support Equipment List

	Support Equipment List						
No.	Equipment	Brand	Model	FCC ID	Remarks		
1	Notebook	DELL	Latitude E5470	DoC			
2	Fixture				Provided by applicant.		

1.3 Test Setup Chart



Note: The support notebook and fixture are disconnected from EUT and removed from test table when giving command to EUT to transmit continuously.



1.4 The Equipment List

Test Item	Radiated Emission							
Test Site	966 chamber3 / (03Cl	H03-WS)						
Tested Date	Oct. 06, 2021							
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until			
Receiver	R&S	ESR3	101657	Mar. 12, 2021	Mar. 11, 2022			
Spectrum Analyzer	R&S	FSV40	101499	Mar. 02, 2021	Mar. 01, 2022			
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 17, 2020	Nov. 16, 2021			
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	May 06, 2021	May 05, 2022			
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 22, 2020	Dec. 21, 2021			
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 06, 2020	Nov. 05, 2021			
Preamplifier	EMC	EMC02325	980187	Jul. 26, 2021	Jul. 25, 2022			
Preamplifier	Agilent	83017A	MY39501309	Sep. 06, 2021	Sep. 05, 2022			
Preamplifier	EMC	EMC184045B	980192	Jul. 14, 2021	Jul. 13, 2022			
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 05, 2021	Oct. 04, 2022			
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800 -001	Sep. 24, 2021	Sep. 23, 2022			
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 24, 2021	Sep. 23, 2022			
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 24, 2021	Sep. 23, 2022			
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 24, 2021	Sep. 23, 2022			
RF cable-8M	EMC	EMC104-SM-SM-80 00	181107	Sep. 24, 2021	Sep. 23, 2022			
Measurement Software								
Note: Calibration Inter	Note: Calibration Interval of instruments listed above is one year.							

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Oct. 07, 2021				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Dec. 04, 2020	Dec. 03, 2021
Power Meter	Anritsu	ML2495A	1241002	Nov. 04, 2020	Nov. 03, 2021
Power Sensor	Anritsu	MA2411B	1207366	Nov. 04, 2020	Nov. 03, 2021
Measurement Software	Sporton	SENSE-15247_DTS	V5.10	NA	NA
Note: Calibration Interval of instruments listed above is one year.					



1.5 Test Standards

47 CFR FCC Part 15.247 ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty				
Parameters	Uncertainty			
Bandwidth	±34.130 Hz			
Conducted power	±0.808 dB			
Power density	±0.583 dB			
Conducted emission	±2.715 dB			
AC conducted emission	±2.92 dB			
Radiated emission ≤ 1GHz	±3.96 dB			
Radiated emission > 1GHz	±4.9 dB			



2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corp.
Test Site	TH01-WS
Address of Test Site	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.
Test Site	03CH03-WS
Address of Test Site	No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.
> ECC Designation No :	τιν/ΛΛΛΑ

FCC Designation No.: TW0009

➤ FCC site registration No.: 207696

➢ ISED#: 10807A

➤ CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Radiated Emissions ≤1GHz Radiated Emissions >1GHz				
Maximum Output Power 6dB bandwidth	DSSS-OQPSK	915 / 915.35 / 915.70	80Kbps	
Power spectral density NOTE:				

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



3 Transmitter Test Results

3.1 6dB and Occupied Bandwidth

3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.1.2 Test Procedures

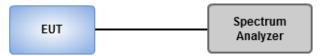
6dB Bandwidth

- 1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
- 2. Detector = Peak, Trace mode = max hold.
- 3. Sweep = auto couple, Allow the trace to stabilize.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

Occupied Bandwidth

- 1. Set resolution bandwidth (RBW) = $1\% \sim 5\%$ of OBW, Video bandwidth = $3 \times RBW$
- 2. Detector = Sample, Trace mode = max hold.
- 3 Sweep = auto couple, Allow the trace to stabilize.
- 4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.1.3 Test Setup





3.1.4 Test Result of 6dB and Occupied Bandwidth

Ambient Condition	24°C / 66%	Tested By	Aska Huang
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Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
Sub-G	510.87k	745.297k	745KD1D	507.246k	745.297k

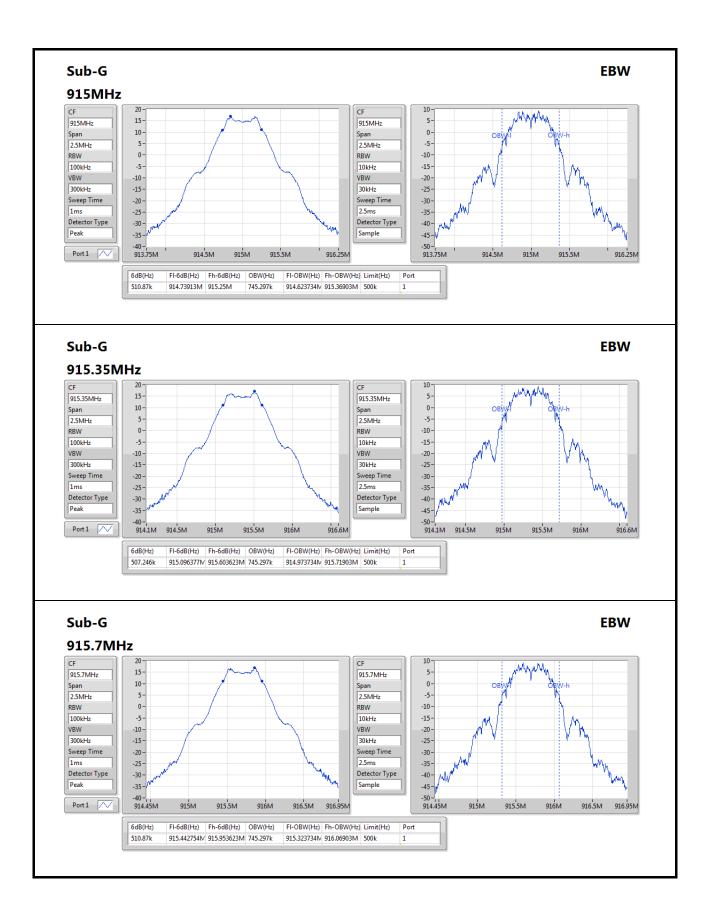
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth; **Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit	Port 1-N dB	Port 1-OBW
		(Hz)	(Hz)	(Hz)
Sub-G	-	-	-	-
915MHz	Pass	500k	510.87k	745.297k
915.35MHz	Pass	500k	507.246k	745.297k
915.7MHz	Pass	500k	510.87k	745.297k

Port X-N dB = Port X 6dB down bandwidth; Port X-OBW = Port X 99% occupied bandwidth;







3.2 **RF Output Power**

3.2.1 Limit of RF Output Power

Conducted power shall not exceed 1Watt.

Antenna gain <= 6dBi, no any corresponding reduction is in output power limit.

3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.2.3 Test Setup





3.2.4 Test Result of Maximum Output Power

Ambient Condition24°C / 66%Tested ByAska Huang	°C / 66% Tested By Aska Huang
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Summary of Peak Conducted Output Power

Mode	Total Power	Total Power
	(dBm)	(W)
902-928MHz	-	-
Sub-G	17.78	0.05998

Result

Mode	Result	DG	Port 1	Total Power	Power Limit	EIRP	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
Sub-G	-	-	-	-	-	-	-
915MHz	Pass	-1.70	17.77	17.77	30.00	16.07	36.00
915.35MHz	Pass	-1.70	17.78	17.78	30.00	16.08	36.00
915.7MHz	Pass	-1.70	17.76	17.76	30.00	16.06	36.00

DG = Directional Gain; **Port X** = Port X output power

Summary of Conducted (Average) Output Power

Mode	Total Power	Total Power
	(dBm)	(W)
902-928MHz	-	-
Sub-G	17.71	0.05902

Result

Mode	Result	DG	Port 1	Total Power	Power Limit	EIRP	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
Sub-G	-	-	-	-	-	-	-
915MHz	Pass	-1.70	17.70	17.70	-	16.00	-
915.35MHz	Pass	-1.70	17.71	17.71	-	16.01	-
915.7MHz	Pass	-1.70	17.69	17.69	-	15.99	-

DG = Directional Gain; **Port X** = Port X output power

Note : Conducted average output power is for reference only



3.3 Power Spectral Density

3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.3.2 Test Procedures

Peak PSD

- 1. Set the RBW = 3 kHz, VBW = 10 kHz.
- 2. Detector = Peak, Sweep time = auto couple.
- 3. Trace mode = max hold, allow trace to fully stabilize.
- 4. Use the peak marker function to determine the maximum amplitude level.

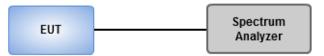
Average PSD, duty cycle ≥ 98%

- 1. Set the RBW = 30 kHz, VBW = 100 kHz.
- 2. Detector = RMS, Sweep time = auto couple.
- 3. Sweep time = auto couple.
- 4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
- 5. Use the peak marker function to determine the maximum amplitude level.

Average PSD, duty cycle < 98%

- 1 Set the RBW = 30 kHz, VBW = 100 kHz. Detector = RMS.
- 2 Set the sweep time to: ≥ 10 (number of measurement points in sweep) x (total on/off period of the transmitted signal).
- 3 Perform the measurement over a single sweep.
- 4 Use the peak marker function to determine the maximum amplitude level.
- 5 Add 10 log (1/x), where x is the duty cycle.

3.3.3 Test Setup





3.3.4 Test Result of Power Spectral Density

Ambient Condition	24°C / 66%	Tested By	Aska Huang

Summary

Mode	PD
	(dBm/3kHz)
902-928MHz	-
Sub-G	5.71

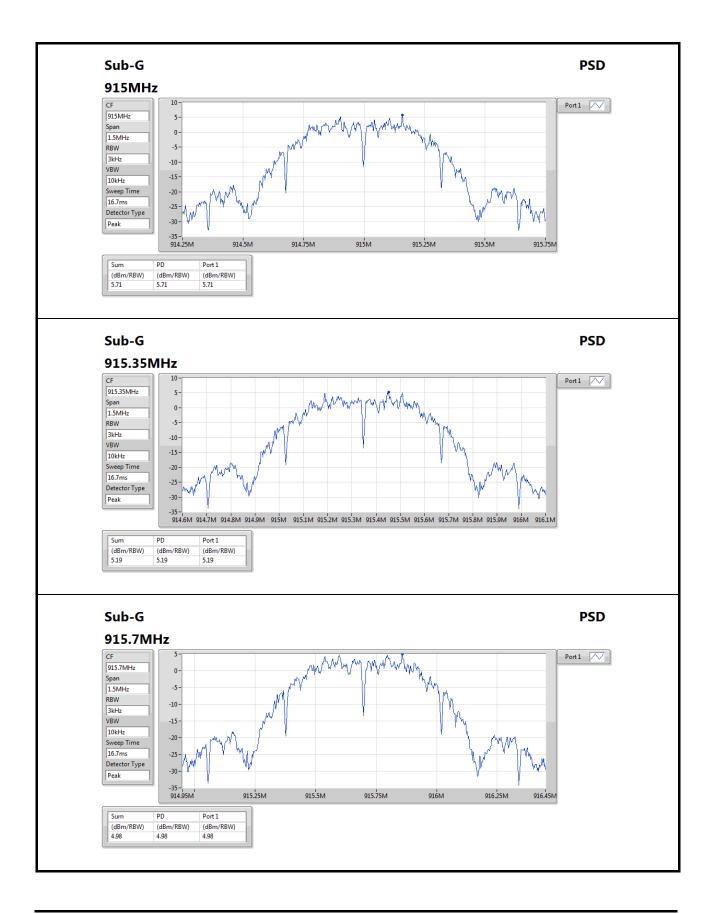
Result

Mode	Result	DG	Port 1	PD	PD Limit
		(dBi)	(dBm/3kHz)	(dBm/3kHz)	(dBm/3kHz)
Sub-G	-	-	-	-	-
915MHz	Pass	-1.70	5.71	5.71	8.00
915.35MHz	Pass	-1.70	5.19	5.19	8.00
915.7MHz	Pass	-1.70	4.98	4.98	8.00

DG = Directional Gain;

PD = Maximum power density; **Port X** = Port X power density;







3.4 Unwanted Emissions into Restricted Frequency Bands

3.4.1 Limit of Unwanted Emissions into Restricted Frequency Bands

	Restricted Band	Emissions Limit	
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:

Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit **Note 2:**

Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.4.2 Test Procedures

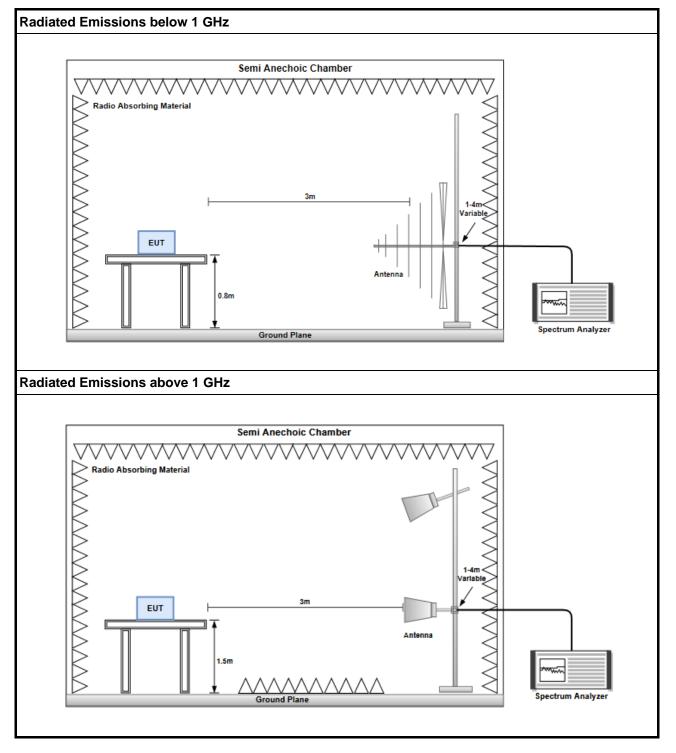
- Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
- Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
- 3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

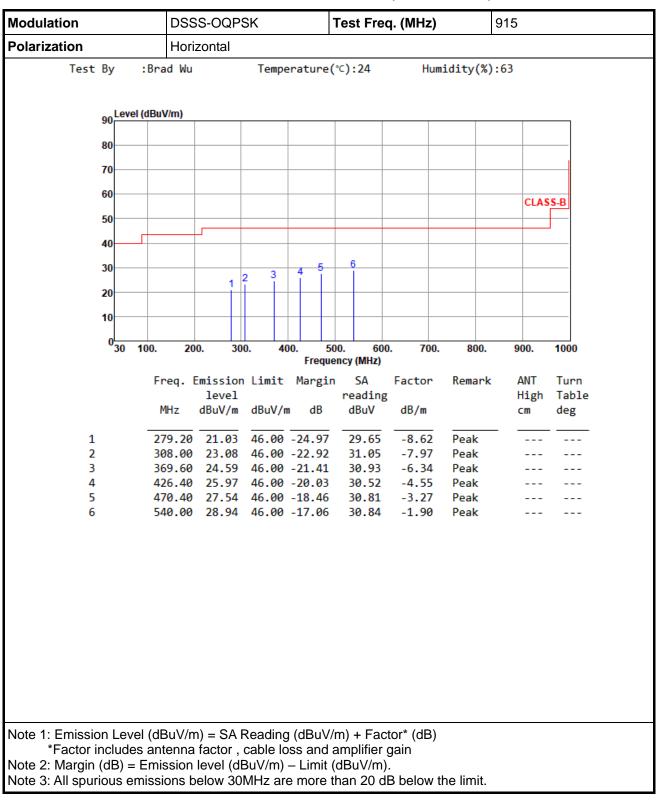
- 1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
- 2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
- 3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.



3.4.3 Test Setup

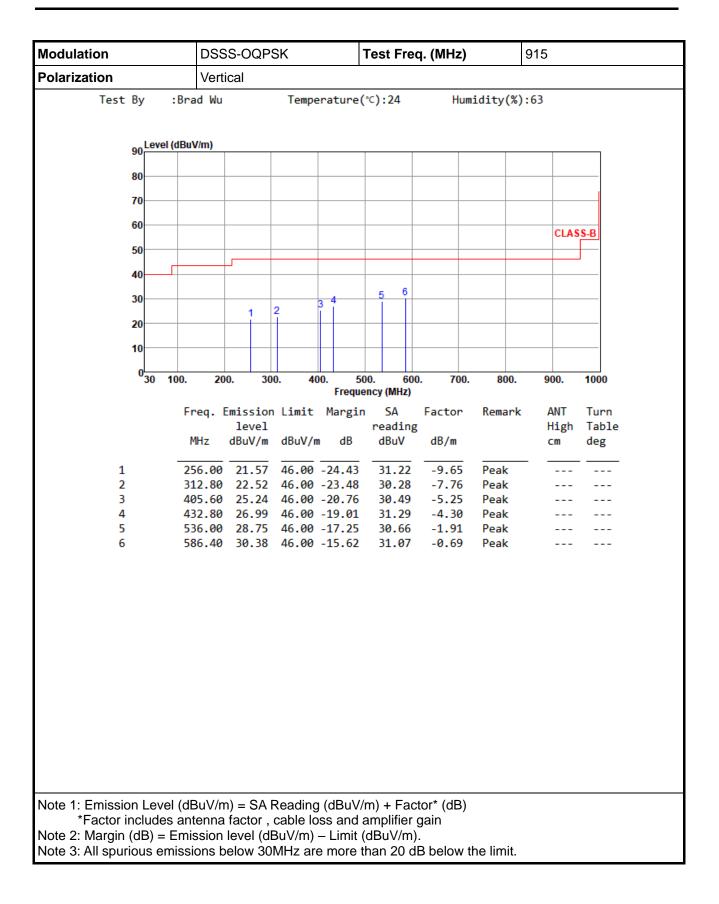




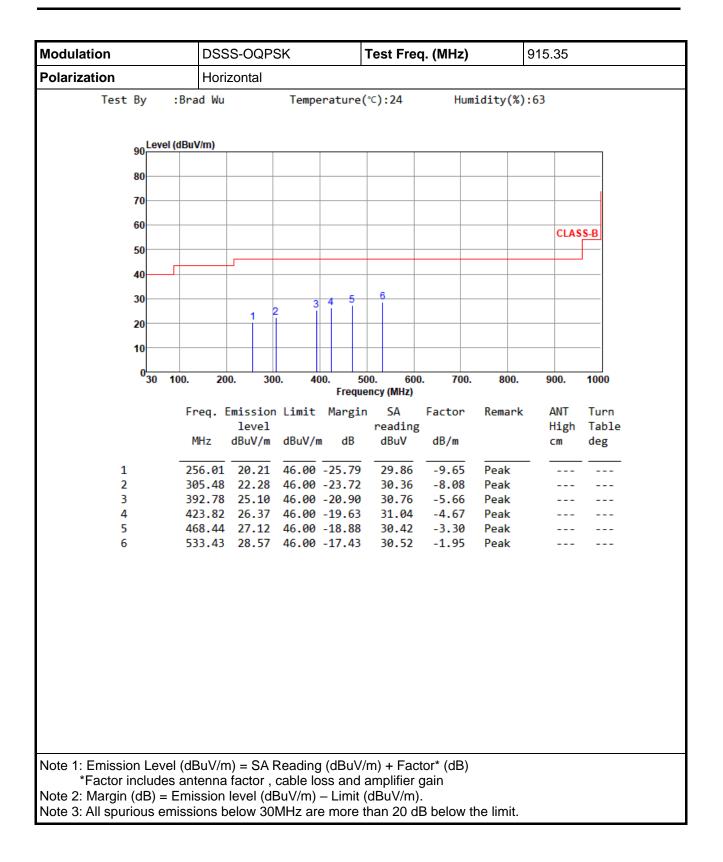


3.4.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

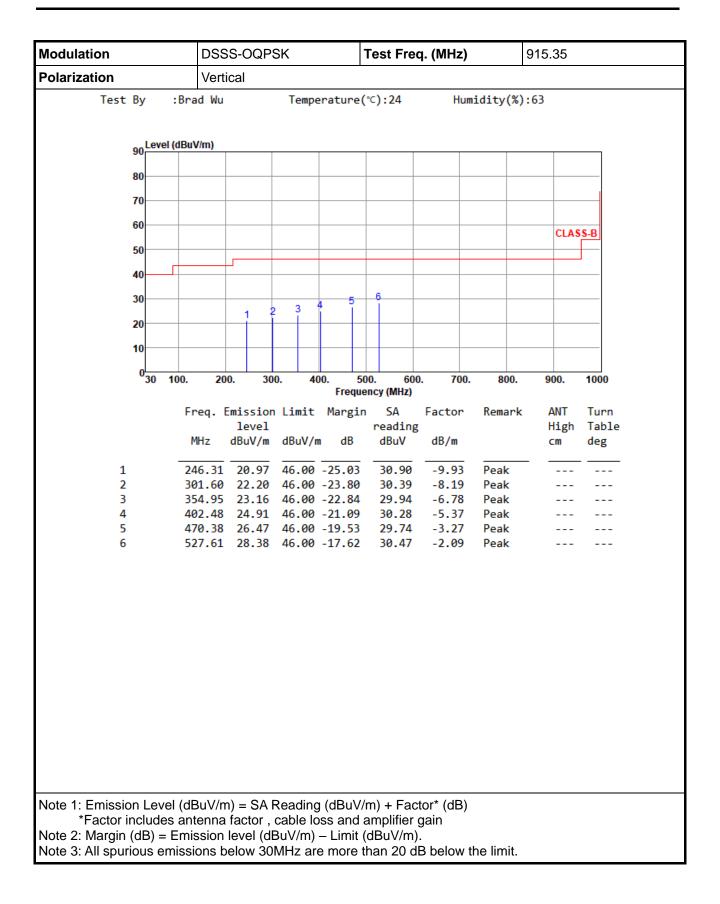




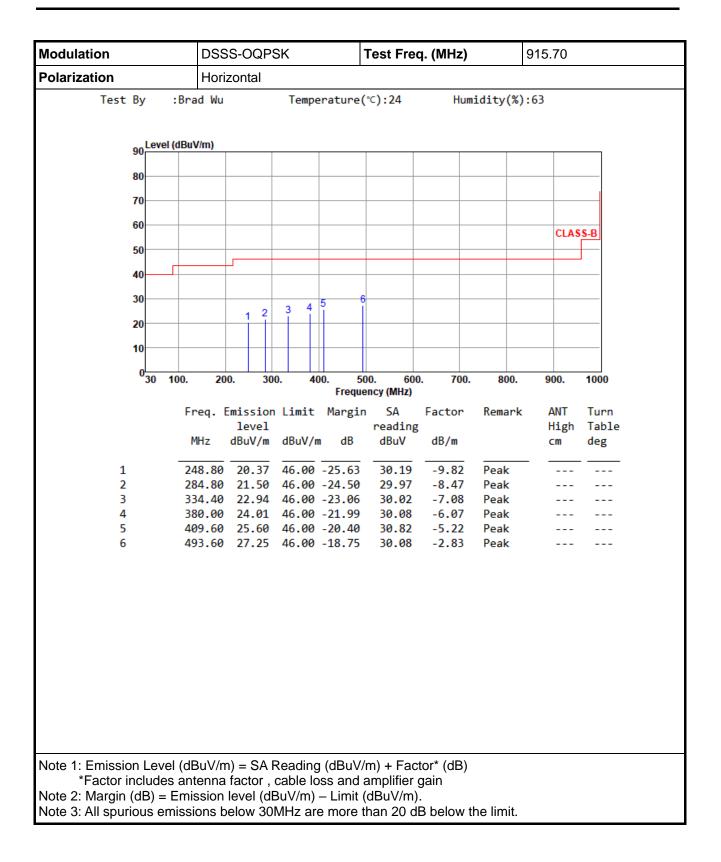




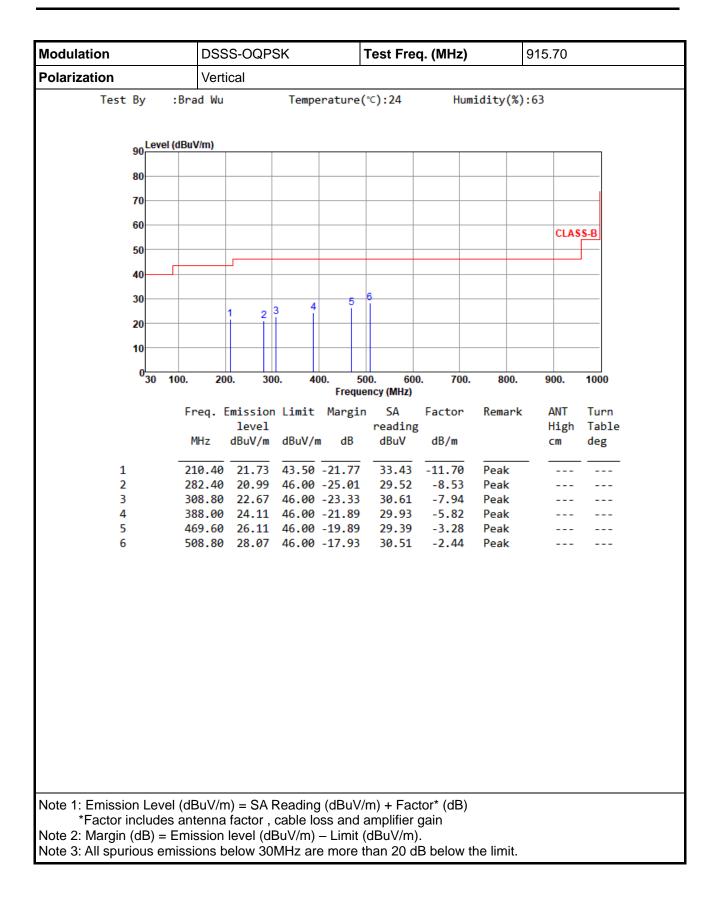




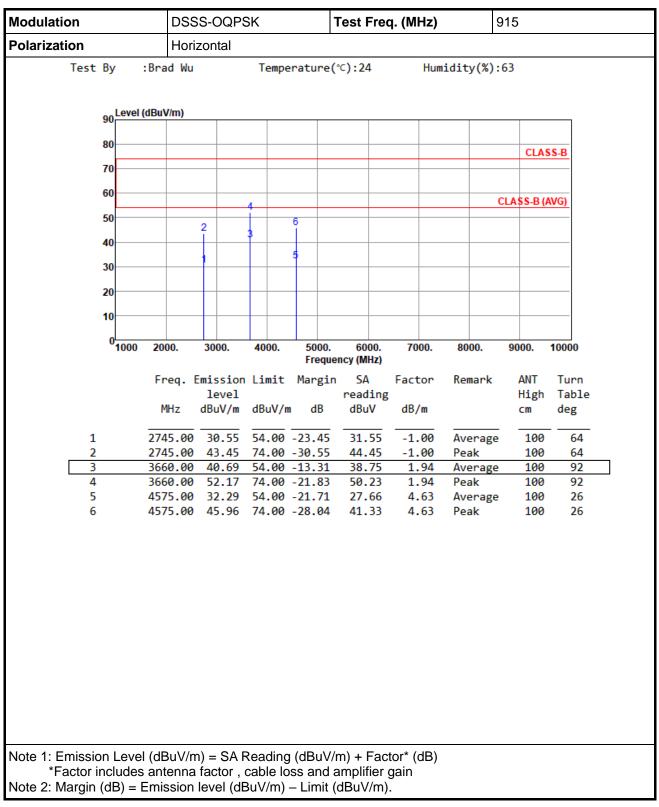






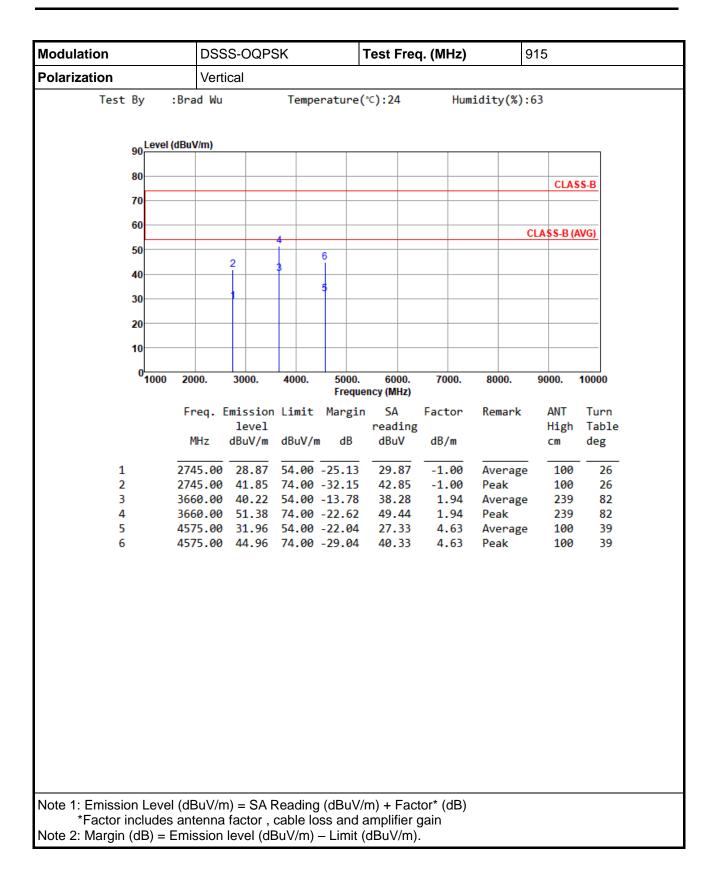






3.4.5 Transmitter Radiated Unwanted Emissions (Above 1GHz)

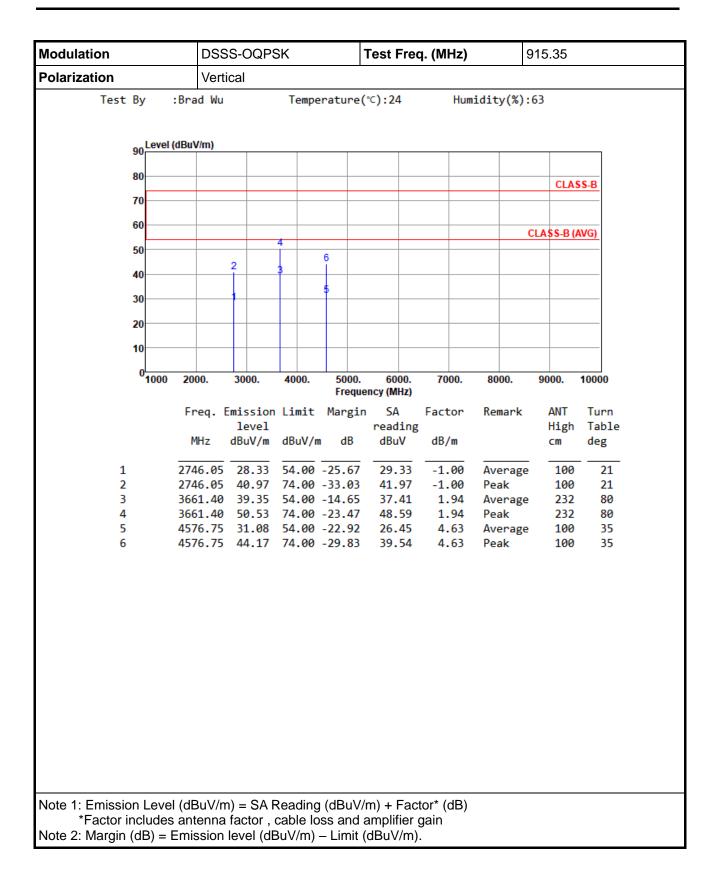






Modulation		DSS	DSSS-OQPSK Test Fi					t Freq. (MHz) 915			
Polarization		Horiz	zontal		·						
Test B	-	:Brad Wu		Tempe	erature(c):24	Hum	idity(%):	63		
9	0 Level ((dBuV/m)									
8	o										
7	0									<u>SS-B</u>	
6	0										
5				4					CLA\$S-B(AVG)	
4			2	3	6						
					5						
3											
2											
1											
	0 <mark>1000</mark>	2000.	3000.	4000.	5000. Freque	6000. ncy (MHz)	7000.	8000.	9000.	10000	
		Freq. E		Limit	Margin		Factor	Remark	ANT	Turn	
		MHz	level dBuV/m	dBuV/n	n dB	reading dBuV	dB/m		High cm	Table deg	
1		2746.05				30.69	-1.00	Average			
2 3		2746.05 3661.40				43.57 37.91	-1.00 1.94	Peak Average	100 100		
4		3661.40	51.52	74.00	-22.48	49.58	1.94	Peak	100	90	
5 6		4576.75 4576.75				26.56 40.45	4.63 4.63	Average Peak	100 100		
Note 1: Emission	Leve	l (dBuV/m) = SA F	Reading	g (dBuV/r	n) + Fact	or* (dB)				
*Factor ind Note 2: Margin (c											

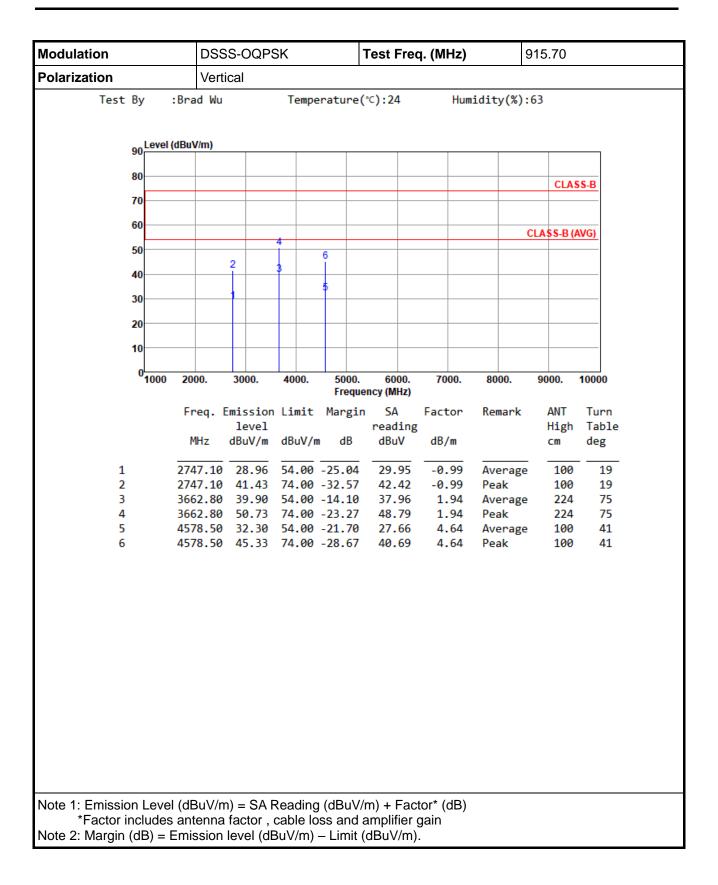






Polarization Horizontal Test By Brad Mu Temperature('C): 24 Hundity('X): 63	Modulation	DS	DSSS-OQPSK Test Freq					. (MHz) 915.70			
0	Polarization	Hor	zontal								
80 - - - - - - CLASS-B 70 - - - - - - - CLASS-B 60 -			I	Tempe	erature(℃):24	Hum	idity(%):	63		
70 4 CLASS-B 60 4 CLASS-B (AVG) 50 2 6 40 4 CLASS-B (AVG) 50 2 6 10 5 1 10 5 1 100 2000. 3000. 400. 5000. 6000. 7000. 8000. 9000. 100 2000. 3000. 400. 5000. 6000. 7000. 8000. 9000. 1000 2000. 3000. 4000. 5000. 6000. Freq. Emission Limit Margin SA Factor Remark High Table cm deg MHz dBuV/m dBuV/m dB dBuV MHz 30.56 54.00 -23.44 31.55 -0.99 Average 100 73 2 2747.10 30.56 54.00 -38.46 1.94 Average 100 73 3 3662.80 40.40 54.00 -21.84 50.22 1.94 Peak 100 93 4	90 Level (c	dBuV/m)									
70 4 6 70 6 70	80									<u></u>	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	70									<u>33-D</u>	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	60										
40 2 3 5 1				4				(CLA\$S-B(AVG)	
30 30 5 300 5 300 100 1000 <td></td> <td></td> <td>2</td> <td>3</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td>			2	3	6						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			•		5						
10 10 10 10 10 100 2000. 3000. 4000. 5000. Frequency (MHz) 7000. 8000. 9000. 10000 Freq. Emission Limit Margin SA reading MHz dBuV/m dB dBuV dB/m Cm deg 1 2747.10 30.56 54.00 -23.44 31.55 -0.99 Average 100 73 2 2747.10 30.56 54.00 -30.76 44.23 -0.99 Peak 100 73 3 3662.80 40.40 54.00 -13.60 38.46 1.94 Average 100 93 4 3662.80 52.16 74.00 -21.84 50.22 1.94 Peak 100 93 5 4578.50 31.86 54.00 -22.14 27.22 4.64 Average 100 30											
0 1000 2000. 3000. 4000. 5000. 6000. 7000. 8000. 9000. 10000 Frequency (MHz) Freq. Emission Limit Margin SA Factor Remark ANT Turn level reading MHz dBuV/m dB v/m dB dBuV dB/m cm deg 1 2747.10 30.56 54.00 -23.44 31.55 -0.99 Average 100 73 2 2747.10 43.24 74.00 -30.76 44.23 -0.99 Peak 100 73 3 3662.80 40.40 54.00 -13.60 38.46 1.94 Average 100 93 4 3662.80 52.16 74.00 -21.84 50.22 1.94 Peak 100 93 5 4578.50 31.86 54.00 -22.14 27.22 4.64 Average 100 30											
Frequency (MHz) Freq. Emission Limit Margin SA level Factor Remark ANT Turn High Table cm MHz dBuV/m dBuV/m dB dBuV dB/m Average 100 73 1 2747.10 30.56 54.00 -23.44 31.55 -0.99 Average 100 73 2 2747.10 43.24 74.00 -30.76 44.23 -0.99 Peak 100 73 3 3662.80 40.40 54.00 -13.60 38.46 1.94 Average 100 93 4 3662.80 52.16 74.00 -21.84 50.22 1.94 Peak 100 93 5 4578.50 31.86 54.00 -22.14 27.22 4.64 Average 100 30	10										
level reading High Table MHz dBuV/m dBuV/m dB dBuV dB/m cm deg 1 2747.10 30.56 54.00 -23.44 31.55 -0.99 Average 100 73 2 2747.10 43.24 74.00 -30.76 44.23 -0.99 Peak 100 73 3 3662.80 40.40 54.00 -13.60 38.46 1.94 Average 100 93 4 3662.80 52.16 74.00 -21.84 50.22 1.94 Peak 100 93 5 4578.50 31.86 54.00 -22.14 27.22 4.64 Average 100 30	0 ^L 1000	2000.	3000.	4000.			7000.	8000.	9000.	10000	
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33662.8040.4054.00-13.6038.461.94Average1009343662.8052.1674.00-21.8450.221.94Peak1009354578.5031.8654.00-22.1427.224.64Average10030								-			
4 3662.80 52.16 74.00 -21.84 50.22 1.94 Peak 100 93 5 4578.50 31.86 54.00 -22.14 27.22 4.64 Average 100 30											
	4	3662.80	52.16	74.00	-21.84	50.22	1.94	Peak	100	93	
								_			
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).	*Factor includes	antenna	a factor,	cable lo	ss and a	mplifier g	gain				







3.5 Emissions in Non-Restricted Frequency Bands

3.5.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

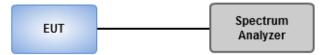
Reference level measurement

- 1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
- 2. Trace = max hold , Allow Trace to fully stabilize
- 3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

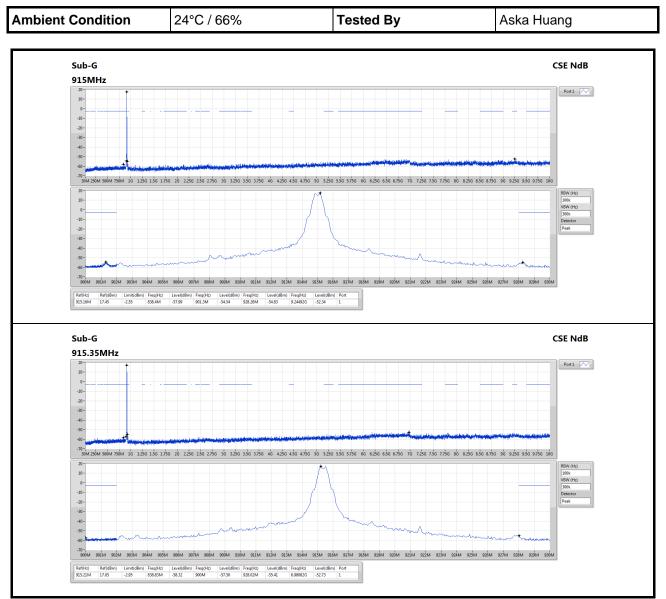
- 1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
- 2. Trace = max hold , Allow Trace to fully stabilize
- 3. Scan Frequency range is up to 25GHz
- 4. Use the peak marker function to determine the maximum amplitude level

3.5.3 Test Setup

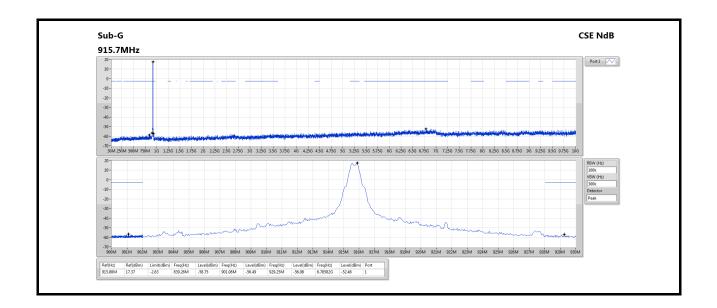














4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <u>http://www.icertifi.com.tw</u>.

Linkou Tel: 886-2-2601-1640 No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)

Kwei Shan

Tel: 886-3-271-8666 No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.) No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640 No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 333, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666 Fax: 886-3-318-0345 Email: ICC_Service@icertifi.com.tw

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