

Report No. : FR932826AW



FCC TEST REPORT

FCC ID	: 2AVS4-FDT-EVB-WP300
Equipment	: Wireless Power Reference Design
Brand Name	: Fu Da Tong
Model Name	: EVB-WP300
Applicant/ Manufacturer	: Fu Da Tong Technology Co., Ltd 10F5, No.880, Zhongzheng Rd., Zhonghe Dist., New Taipei City, Taiwan, R.O.C.
Standard	: 47 CFR FCC Part 15.209

The product was received on Mar 29, 2019, and testing was started from Apr. 17, 2020 and completed on Apr. 24, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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PHOTOGRAPHS OF EUT v01



History of this test report

Report No.	Version	Description	Issued Date
FR932826AW	01	Initial issue of report	May 22, 2020

: May 22, 2020



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.209	Transmitter Radiated Emissions	PASS	-
3.3	15.215(c)	Emission Bandwidth	PASS	-

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:

None.

Reviewed by: Sam Tsai

Report Producer: Yunha Liou



General Description 1

1.1 Information

1.1.1 General Information

Wireless Power Transfer General Information					
Frequency Range	Modulation Mode	Charging Freq. (kHz)	Field Strength (dBuV/m)		
112-205 kHz	FSK	112.554	89.90		
Power Transfer Method	Output power from each primary coil	That may have multiple primary coils	Charging Method		
Magnetic induction and only single primary coil.	30W	No	Client directly contact		
Note 1: Field strength performed peak level at 3m.					

1.1.2 Antenna Information

	Antenna Category						
	Equipment placed on the market without antennas						
\boxtimes	Integral antenna (antenna permanently attached)						
	Temporary RF connector provided						
	No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.						
	External antenna (dedicated antennas)						

Antenna General Information				
No.	Ant. Cat.	Ant. Type		
1	Integral	Loop		

1.1.3 EUT Information

	Operational Condition						
EUT	EUT Power Type From AC Adapter						
	Type of EUT						
\boxtimes	Stand-alone						
	Combined (EUT where the radio part is fully integrated within another device)						
	Combined Equipment - Brand Name / Model No.:						
	Plug-in radio (EUT intended for a variety of host systems)						
	Host System - Brand Name / Model No.:						
	Other:						



1.1.4 Test Signal Duty Cycle

Operated Mode for Worst Duty Cycle

Operated normally mode for worst duty cycle

Operated test mode for worst duty cycle

Test Signal Duty Cycle (x)

⊠ 100%

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 680106 D01 RF Exposure Wireless Charging Apps v03
- KDB 414788 D01 v01r01

1.3 Testing Location Information

	Testing Location						
\square	HWA YA	ADD	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)				
		TEL	TEL : 886-3-327-3456 FAX : 886-3-327-0973				
	Test site Designation No. TW1190 with FCC.						
	Wen Shan	ADD	:	No.14-1, Ln. 19, Wen 33	Brd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)		
	TEL : 886-3-318-0787 FAX : 886-3-318-0287						
	Test site Designation No. TW1097 with FCC.						

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Jeff	20.1~21.9°C / 56~59%	17/Apr/2020
RF Conducted	TH01-HY	Lego	24.2~25.3°C/ 55~61%	17/Apr/2020~ 24/Apr/2020
Radiated Emission	03CH03-HY	Jeff	20.1~26.9°C / 51~62%	17/Apr/2020



1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
Tnom Vnom	Tnom	20°C
-	Vnom	120V

2.2 The Worst Case Configuration

Mode	Field Strength (dBuV/m at 3 m)	Charger Frequencies (kHz)
WPC	89.90	112.554
non-charging operation, the worst m		s including variable loading and 2-205 kHz) and depend on charging

2.3 The Worst Case Measurement Configuration

Th	e Worst Case Mode for Following Conformance Tests
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Made	СТХ
Operating Mode	Adapter Mode

Th	e Worst Case Mode for Following Conformance Tests
Tests Item	Transmitter Radiated Emissions, Emission Bandwidth
Test Condition	Radiated measurement
Operating Mode	СТХ
Operating Mode	Adapter Mode
	Z Plane
Orthogonal Planes of EUT	



2.4 Support Equipment

		Support Equipment	– Conducted	
No.	Equipment	Brand Name	Model Name	FCC ID
1	30W RX Fixture	-	-	-
2	Adjustable Resistors	TOKE	SSR 400W75ΩK	-
3	AC Adapter	MEAN WELL	HRP-300-24	-

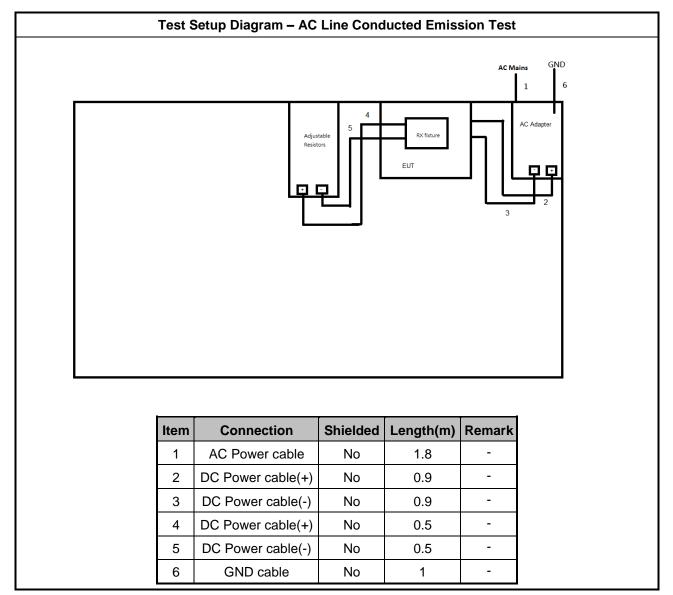
Note: No.1, 3 was provided by customer.

	Sup	port Equipment – Radia	ted / AC Conduction	
No.	Equipment	Brand Name	Model Name	FCC ID
1	30W RX Fixture		-	-
2	Adjustable Resistors	TOKE	SSR 400W75ΩK	-
3	AC Adapter	MEAN WELL	MSP-450-24	-
4	GND Cable	-	-	-

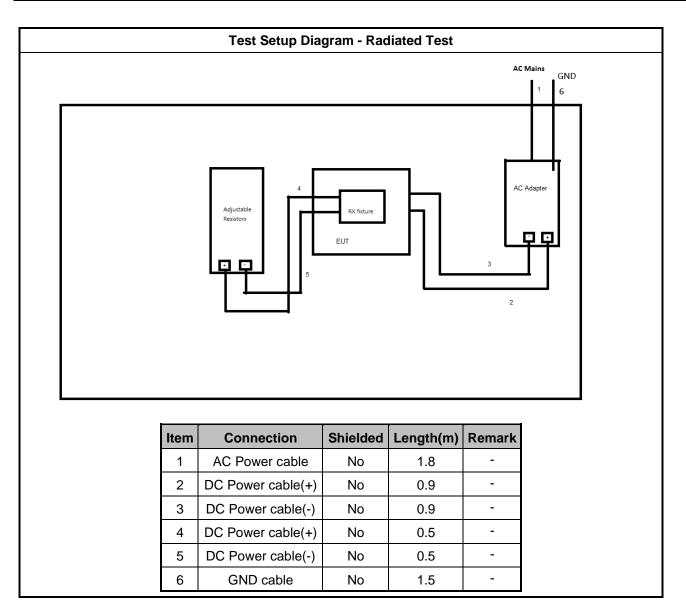
Note: No.1, 3 was provided by customer.



2.5 Test Setup Diagram









3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Pow	er-line Conducted Emissions L	imit
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of	of the frequency.	

3.1.2 Measuring Instruments

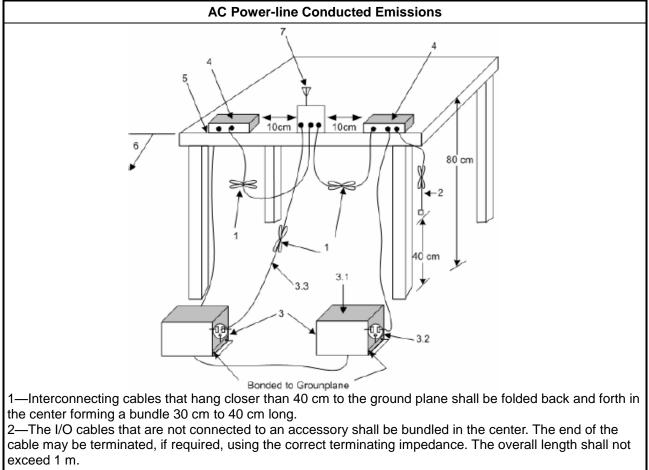
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

	Test Method	
\square	Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.	
\boxtimes	If AC conducted emissions fall in operating band, then following below test method confirm final result	t.
	 Accept measurements done with a suitable dummy load replacing the antenna under the followir conditions: (1) Perform the AC line conducted tests with the antenna connected to determine compliance wit FCC 15.207 limits outside the transmitter's fundamental emission band; (2) Retest with a dummy load to determine compliance with FCC 15.207 limits within the transmitter's fundamental emission band. 	-
	 For a device with a permanent antenna operating at or below 30 MHz, accept measurements dor with a suitable dummy load, in lieu of the permanent antenna under the following conditions: (1) Perform the AC line conducted tests with the permanent antenna to determine compliance with the FCC 15.207 limits outside the transmitter's fundamental emission band; (2) Retest with a dummy load in lieu of the permanent antenna to determine compliance with the FCC 15.207 limits within the transmitter's fundamental emission band. 	rith



3.1.4 Test Setup



3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.

3.1—All other equipment powered from additional LISN(s).

3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.

3.3—LISN at least 80 cm from nearest part of EUT chassis.

4—Non-EUT components of EUT system being tested.

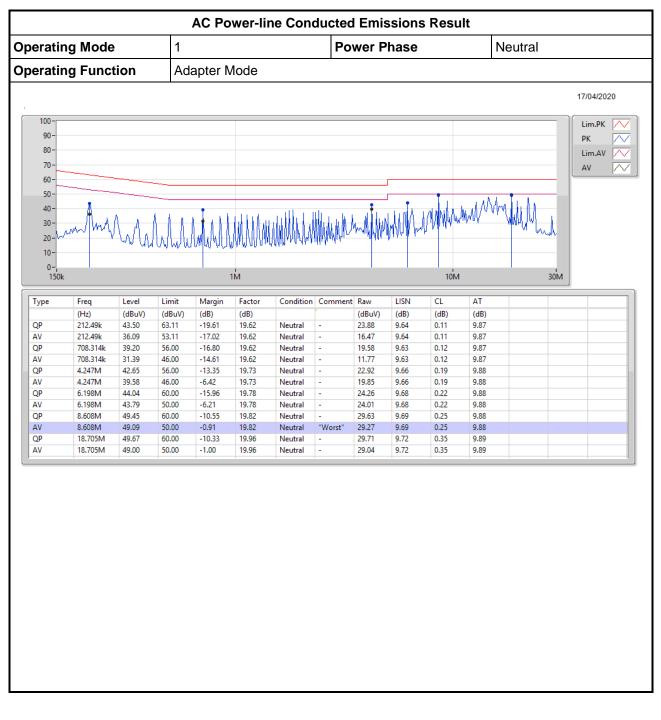
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.

6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.

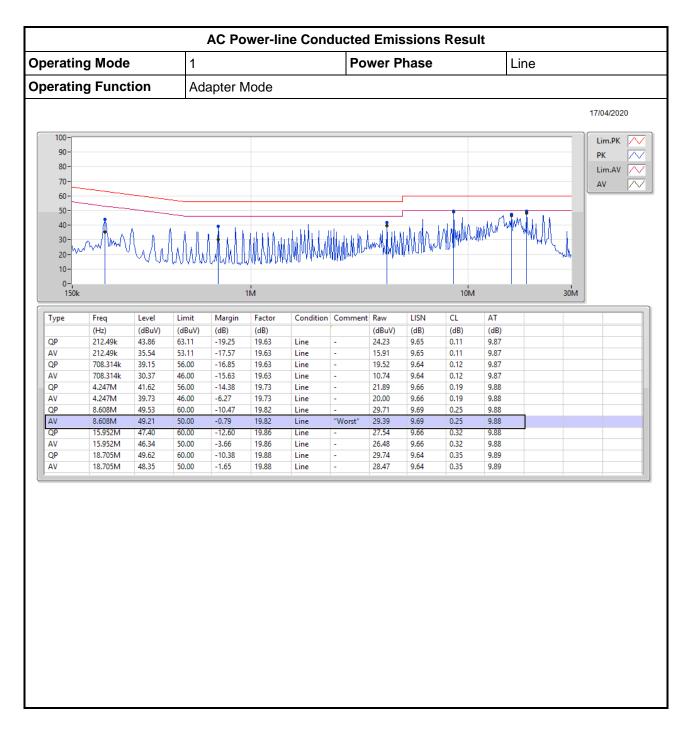
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.



3.1.5 Test Result of AC Power-line Conducted Emissions









3.2 Transmitter Radiated Emissions

3.2.1 Transmitter Radiated Emissions Limit

	Transmitter Radiat	ed 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: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: the frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 1GHz measurements employing a CISPR quasi-peak detector.

3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

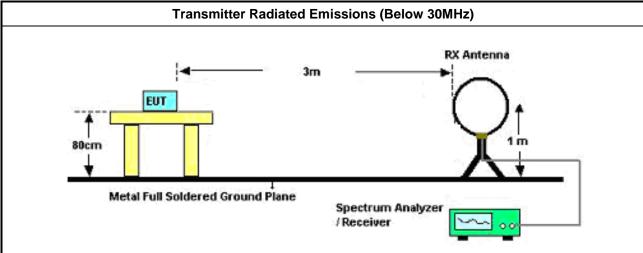


3.2.3 **Test Procedures**

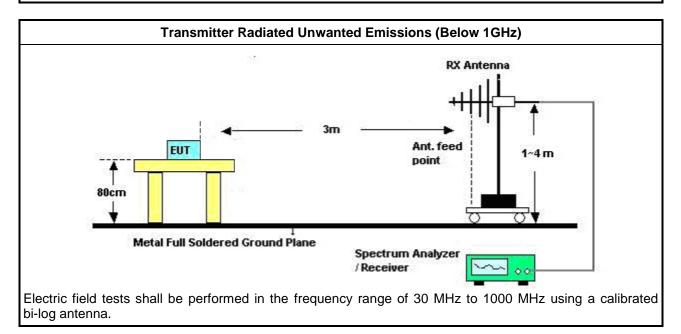
	Test Method
\square	Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz the frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 30MHz measurements employing a CISPR quasi-peak detector. Test distance is 3 m.
	At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the requirements; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be following below methods.
	The results shall be extrapolated to the specified distance by making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor.
	The results shall be by using the square of an inverse linear distance extrapolation factor (40 dB/decade).
\square	For radiated measurement. Loop antenna was rotated about the horizontal and vertical axis and the equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted field strength level.
\boxtimes	The any unwanted emissions level shall not exceed the fundamental emission level.
	All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
\square	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.



3.2.4 Test Setup

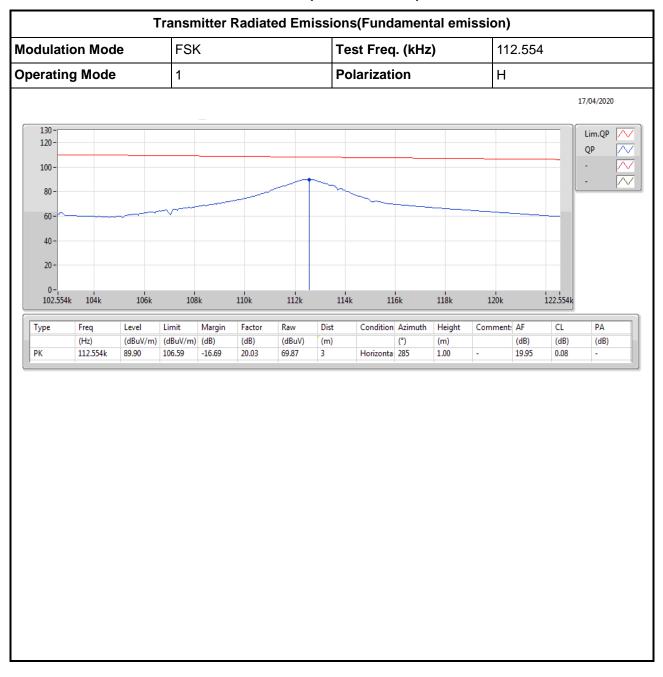


Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna.





Transmitter Radiated Emissions (Below 30MHz) 3.2.5





/lodulati	on Mod	е	FSF	<			Те	st Frec	ą. (kHz)	11:	112.554					
Operating Mode			1				Po	larizati	ion		Н						
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130													_	Lim.QP 📈			
120 -														QP 📈			
100 -														- 📈			
80 -														- /~			
60 -													- 6				
40 -																	
20 -																	
0- - 9k	20k	30k	40k	50k	60k :	70k 80	ر 90ا	c 100k	110k	120k	130k	140k	150k				
Туре	Freq	Level	Limit	Margin	Factor	Raw	Dist	Condition	Azimuth	Height	Comment:	AF	CL	PA			
PK	(Hz)	(dBuV/m)			(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	35.226k 65.682k	56.85 71.89	116.67 111.27	-59.82 -39.38	21.27 20.76	35.58 51.13	3	Horizonta Horizonta		1.00	-	21.20 20.69	0.07	-			
РК	131.952k	53.73	105.21	-51.48	20.12	33.61	3	Horizonta		1.00	-	20.03	0.09	-			



Report No. : FR932826AW

Operating Mode 1 Polarization H Janda Sector Sec	130 130 130 130 100 120 100 1	on Mo	de		FSK				ר	Cest Fr	eq.	. (kHz)		112.554					
130 100 130 130 100 120 100 100 100 120 140 16M 18M 20M 22M 24M 26M 28M 30M 20M 22M 24M 26M 28M 30M Type Freq Level Limit Margin Factor Raw Dist Condition Azimuth Height Comment: AF CL PA (H2) (dBuV/m) (dB) (dB) (dBuV) (m) (1) (m) (1)	130 130 130 130 130 130 130 130 130 130 130 130 130 130 130 130 130 100 120 100 100 100 100 100 100 100 100 120 100 100 120 14M 16M 18M 20M 22M 24M 26M 28M 30M Type Freq Level Limit Margin Factor Raw Dist Condition Azimuth Height Comment: AF CL PA (H2) (dBuV/m) (dB) (dB) (dBV) (m) (°) (m) (°) (m) (°) (m) (°) (m) (°)	g Mode	e		1				F	Polariza	atio	on	1	H					
120- 120-	120- 0																17/04/2020		
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20- 0- 150k 2M 4M 6M 8M 10M 12M 14M 16M 18M 20M 22M 24M 26M 28M 30M Type Freq Level Limit Margin Factor Raw Dist Condition Azimuth Height Comment: AF CL PA (Hz) (dBuV/m) (dBu (dB) (dBuV) (m) (*) (m) (dB) (dB) PK 329.1k 65.20 97.27 -32.07 20.56 44.64 3 Horizonta 0 1.00 - 20.42 0.14 - PK 2.12M 55.88 69.54 -13.66 20.35 35.53 3 Horizonta 0 1.00 - 19.99 0.36 -	20- 0- 150k 2M 4M 6M 8M 10M 12M 14M 16M 18M 20M 22M 24M 26M 28M 30M Type Freq Level Limit Margin Factor Raw Dist Condition Azimuth Height Comment: AF CL PA (Hz) (dBuV/m) (dBuV/m) (dB) (dBuV) (m) (°) (m) (dB) (dB) PK 329.1k 65.20 97.27 -32.07 20.56 44.64 3 Horizonta 0 1.00 - 20.42 0.14 - PK 2.12M 55.88 69.54 -13.66 20.35 35.53 3 Horizonta 0 1.00 - 19.99 0.36 -																-		
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PK 2.12M 55.88 69.54 -13.66 20.35 35.53 3 Horizonta 0 1.00 - 19.99 0.36 -	PK 2.12M 55.88 69.54 -13.66 20.35 35.53 3 Horizonta 0 1.00 - 19.99 0.36 -	(Hz)				-				Condi			-	Comment:				7	
		2.12M	55.88	69	9.54	-13.66	20.35	35.53	3	Horizo	onta	0	1.00	-	19.99	0.36	-		
			g Mode	2/M 4/M Freq Level (Hz) (dBuV/r 329.1k 65.20 2.12M 55.88	g Mode	g Mode 1	g Mode 1 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10 7 7 3 7 3 7 2 4 6 9 7 7 3 7 2 1 5 88 69 54 -13.66 -13.66	g Mode 1 2 4 6 8 10 12 2 4 6 8 10 12 7 7 7 7 7 7 8 10 10 12 12 12 9 4 6 8 10 12 12 1 1 1 10 12	g Mode 1 2 4 6 8 10 12 14 2 4 6 8 10 12 14 Freq Level Limit Margin Factor Raw (Hz) (dBuV/m) (dBuV/m) (dB) (dBuV) 329.1k 65.20 97.27 -32.07 20.56 44.64 2.12M 55.88 69.54 -13.66 20.35 35.53	g Mode 1 F g Mode F F <t< td=""><td>g Mode 1 Polariza Polariza Polariza Image: Strain St</td><td>g Mode 1 Polarization Image: Second state sta</td><td>g Mode 1 Polarization Image: Second state sta</td><td>g Mode 1 Polarization I Image: Constraint of the second seco</td><td>g Mode 1 Polarization H Image: Second state st</td><td>g Mode 1 Polarization H Image: Second state st</td><td>g Mode 1 Polarization H Image: Second s</td><td>g Mode 1 Polarization H 17/04/2020</td></t<>	g Mode 1 Polariza Polariza Polariza Image: Strain St	g Mode 1 Polarization Image: Second state sta	g Mode 1 Polarization Image: Second state sta	g Mode 1 Polarization I Image: Constraint of the second seco	g Mode 1 Polarization H Image: Second state st	g Mode 1 Polarization H Image: Second state st	g Mode 1 Polarization H Image: Second s	g Mode 1 Polarization H 17/04/2020	

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50 -													-	
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0-														
30M	100M 1	50M 200M	250M 30	0M 350M	400M 4	50M 500M	550M	600M 650M	700M 750	M 800M	850M 9	00M 950M	1G	
														1
Туре	Freq	Level	Limit	Margin	Factor	Raw	Dist	Conditio	on Azimuth	Height	Comm		CL	PA
DK	(Hz)	(dBuV/m)			(dB)	(dBuV)	(m)	Vetical	(°)	(m)		(dB)	(dB)	(dB)
PK PK	55.22M 66.86M	36.08 35.71	40.00 40.00	-3.92 -4.29	-14.53 -14.92	50.61 50.63	3	Vertical Vertical	360 360	1.00	-	11.87 11.32	1.11 1.23	27.51 27.47
PK	418M	29.08	46.00	-4.29	-14.92	31.47	3	Vertical	360	1.00	-	21.79	3.25	27.47
PK	549.92M	30.29	46.00	-15.71	-0.25	30.54	3	Vertical	360	1.00	-	24.03	3.77	28.05
PK	656.62M	31.46	46.00	-14.54	0.14	31.32	3	Vertical	360	1.00	-	24.04	4.21	28.11
QP	30M	36.59	40.00	-3.41	-3.29	39.88	3	Vertical	2	2.03	-	23.48	0.80	27.57

3.2.6 Transmitter Radiated Emissions (Above 30MHz)



Nodulation Mode FSK				<			Т	Test Freq. (kHz)			11:	112.554		
perating	1	1				Polarization			Н	н				
			1											17/04/2020
100-														Lim.QP
90 -														QP 📈
80 -													- 1	- 📈
70 -													- 11	
60 -														<u> </u>
50 -														
40 -	• •													
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20 -														
10-														
0- 30M	100M 15	0M 200M	250M 300	M 350M	400 45	6M 500M	550M	600M 650M	700M 750	M 800M	850M 900	1 950M	1G	
Туре	Freq	Level	Limit	Margin	Factor	Raw	Dist	Condition	n Azimuth	Height	Comment:	AF	CL	PA
	(Hz)	(dBuV/m)			(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
РК	78.5M	36.09	40.00	-3.91	-14.27	50.36	3	Horizonta		1.00	-	11.84	1.33	27.44
PK	121.18M	34.28	43.50	-9.22	-8.30	42.58	3	Horizonta		1.00	-	17.32	1.69	27.31
РК	266.68M	30.66	46.00	-15.34	-5.71	36.37	3	Horizonta		1.00	-	18.44	2.57	26.72
PK	480.08M	30.60	46.00	-15.40	-1.45	32.05	3	Horizonta	a 360	1.00	-	22.80	3.52	27.77
PK	546.04M	30.86	46.00	-15.14	-0.41	31.27	3	Horizonta	a 360	1.00	-	23.86	3.76	28.03
РК	664.38M	31.35	46.00	-14.65	0.19	31.16	3	Horizonta	a 360	1.00	-	24.06	4.23	28.10



3.3 **Emission Bandwidth**

3.3.1 **Emission Bandwidth Limit**

Emission Bandwidth Limit

N/A

3.3.2 **Measuring Instruments**

Refer a test equipment and calibration data table in this test report.

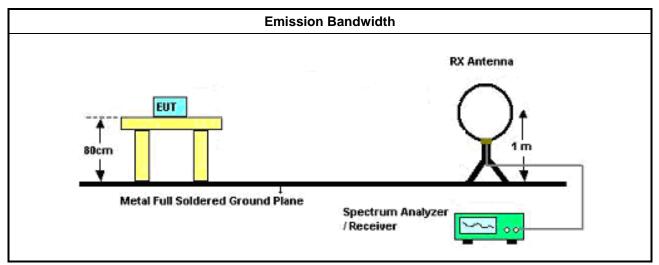
3.3.3 **Test Procedures**

Test Method

 \square Because the measured signal is CW or CW-like adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

For radiated measurement. Loop antenna was rotated about the horizontal and vertical axis and the \square equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted field strength level.

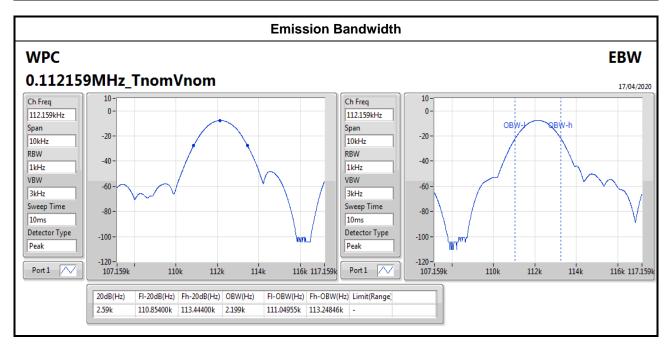
3.3.4 **Test Setup**





3.3.5 Test Result of Emission Bandwidth

Occupied Channel Bandwidth Result									
Modulation Frequency Mode (kHz)		20dB Bandwidth (kHz)	99% Bandwidth (kHz)						
FSK 112.554		2.59	2.199						
Lir	nit	N/A	N/A						
Res	sult	Complied							





Test Equipment and Calibration Data 4

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	28/May/2019	27/May/2020
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	04/Nov/2019	05/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	12/Sep/2019	11/Sep/2020
AC POWER	APC	AFC-11005G	F310050055	47Hz ~ 63Hz 5 ~ 300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	24/Sep/2019	23/Sep/2020

NCR : Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz ~ 40GHz	19/Mar/2020	18/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	16/Mar/2020	15/Mar/2021

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	29/Aug/2019	28/Aug/2020
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	02/Jul/2019	01/Jul/2020
Spectrum Analyzer	Rohde & Schwarz	FSV40	101500	9kHz ~ 40GHz	15/Aug/2019	14/Aug/2020
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	28/May/2019	27/May/2020
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	21/Mar/2020	20/Mar/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	28/Feb/2020	27/Feb/2021
Loop Antenna	TESEQ	HLA 6120	31244	9k ~ 30MHz	16/Mar/2020	15/Mar/2021