

FCC TEST REPORT

FCC ID : 2AA7Y-MOSHIQI011
Equipment : Flekto - compact folding Apple Watch charger
Brand Name : Moshi
Model Name : 99MO022201
Applicant : Aevoe Inc.
3F, No. 42, Sec. 2, Zhongshan N. Rd.,
Zhongshan Dist., Taipei City 104, Taiwan
Manufacturer : Aevoe Inc.
3F, No. 42, Sec. 2, Zhongshan N. Rd.,
Zhongshan Dist., Taipei City 104, Taiwan
Standard : 47 CFR FCC Part 15.209

The product was received on Nov. 05, 2020, and testing was started from Dec. 10, 2020 and completed on Dec. 14, 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 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
FR002321AW	01	Initial issue of report	Jan. 26, 2021



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: Ben Tseng

Report Producer: Amber Chiu



1 General Description

1.1 Information

1.1.1 General Information

Wireless Power Transfer General Information			
Frequency Range	Modulation Mode	Charging Freq. (kHz)	Field Strength (dBuV/m)
320-330 kHz	FSK	326.63	56.92
Power Transfer Method	Output power from each primary coil	That may have multiple primary coils	Charging Method
Magnetic induction and only single primary coil	<15W	No	Client directly contact

Note 1: Field strength performed peak level at 3m.

1.1.2 Antenna Information

Antenna Category	
<input type="checkbox"/>	Equipment placed on the market without antennas
<input checked="" type="checkbox"/>	Integral antenna (antenna permanently attached)
<input type="checkbox"/>	Temporary RF connector provided
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	External antenna (dedicated antennas)

Antenna General Information				
No.	Brand	Model Name	Ant. Cat.	Ant. Type
1	APPLE	C162	Integral	Coils



1.1.3 EUT Information

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

1.1.4 Test Signal Duty Cycle

Operated Mode for Worst Duty Cycle	
<input checked="" type="checkbox"/>	Operated normally mode for worst duty cycle
<input type="checkbox"/>	Operated test mode for worst duty cycle
Test Signal Duty Cycle (x)	
<input checked="" type="checkbox"/>	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

The following reference test guidance is not within the scope of accreditation of TAF:

- ◆ KDB 680106 D01 RF Exposure Wireless Charging Apps v03
- ◆ KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location		
<input checked="" type="checkbox"/>	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456 FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.		
<input type="checkbox"/>	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd 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	CON04-HY	Daniel Lin	21.1~23.1°C / 54~63%	11/Dec/2020
RF Conducted	TH01-HY	Vivi Jiang	20.1~26.9°C/50~62%	10/Dec/2020
Radiated Emission	03CH03-HY	Edward Wang	20.1~23°C /50~60%	11/Dec/2020~ 14/Dec/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)	Power Setting
WPC	56.92	326.63	default

Note.1: Wireless charger were performed all charging conditions including variable loading and non-charging operation, the worst mode is full charging loading.

Note.2: Wireless charger frequencies are variable frequency range (320-330 kHz) and depend on charging loading.

2.3 The Worst Case Measurement Configuration

The 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 Mode	CTX
	1.Adapter Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Transmitter Radiated Emissions, Emission Bandwidth
Test Condition	Radiated measurement
Operating Mode	CTX
	1.Adapter Mode
Orthogonal Planes of EUT	Z Plane
	



2.4 Support Equipment

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	HP	5220M	-
2	Adapter for NB	HP	PPP012L-E	-
3	AC Power Cable for NB	Power sync	PW-GPC180-3	-
4	Adapater	HTC	TC U250	-
5	USB Cable	SPORTON	SPORTON	-
6	Apple Watch	Apple	MJ2T2J/A	-

Note: Support equipment No.6 was provided by customer.

Support Equipment – Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Apple watch	Apple	MJ2T2J/A	-

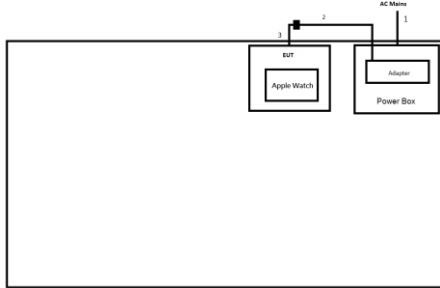
Note: Support equipment No.1 was provided by customer.

Support Equipment – Radiated				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	HP	5220M	-
2	Adapter for NB	HP	PPP012L-E	-
3	AC Power Cable for NB	Power sync	PW-GPC180-3	-
4	Adapater	HTC	TC U250	-
5	USB Cable	SPORTON	SPORTON	-
6	Apple Watch	Apple	MJ2T2J/A	-

Note: Support equipment No.6 was provided by customer.

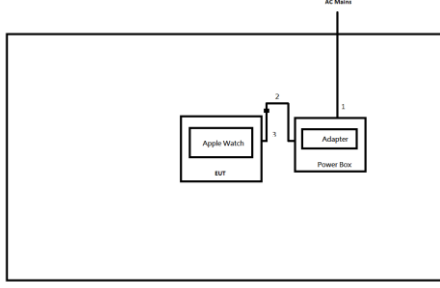
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length	Remark
1	AC Power Cable	No	1.2	-
2	USB Cable	No	0.4	-
3	DC Power Cable	No	0.05	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length	Remark
1	AC Power cable	No	1.8	-
2	USB cable	No	0.4	-
3	DC Power cable	No	0.05	-



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
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 the frequency.

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

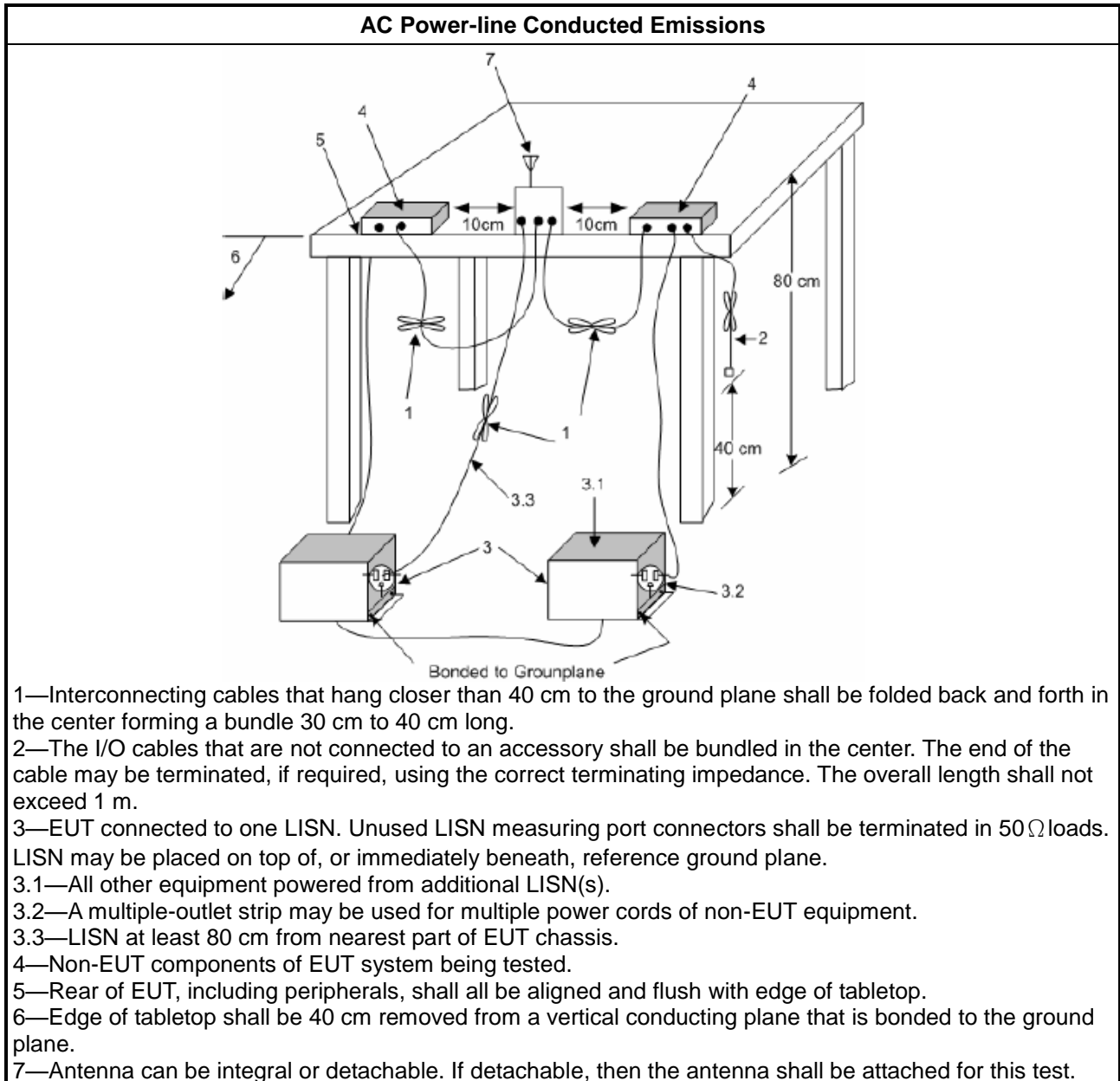
Test Method	
<input checked="" type="checkbox"/>	Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.
<input checked="" type="checkbox"/>	If AC conducted emissions fall in operating band, then following below test method confirm final result.
<input type="checkbox"/>	Accept measurements done with a suitable dummy load replacing the antenna under the following conditions: (1) Perform the AC line conducted tests with the antenna connected to determine compliance with 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.
<input checked="" type="checkbox"/>	For a device with a permanent antenna operating at or below 30 MHz, accept measurements done 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.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A



3.2 Transmitter Radiated Emissions

3.2.1 Transmitter Radiated Emissions Limit

Transmitter Radiated 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

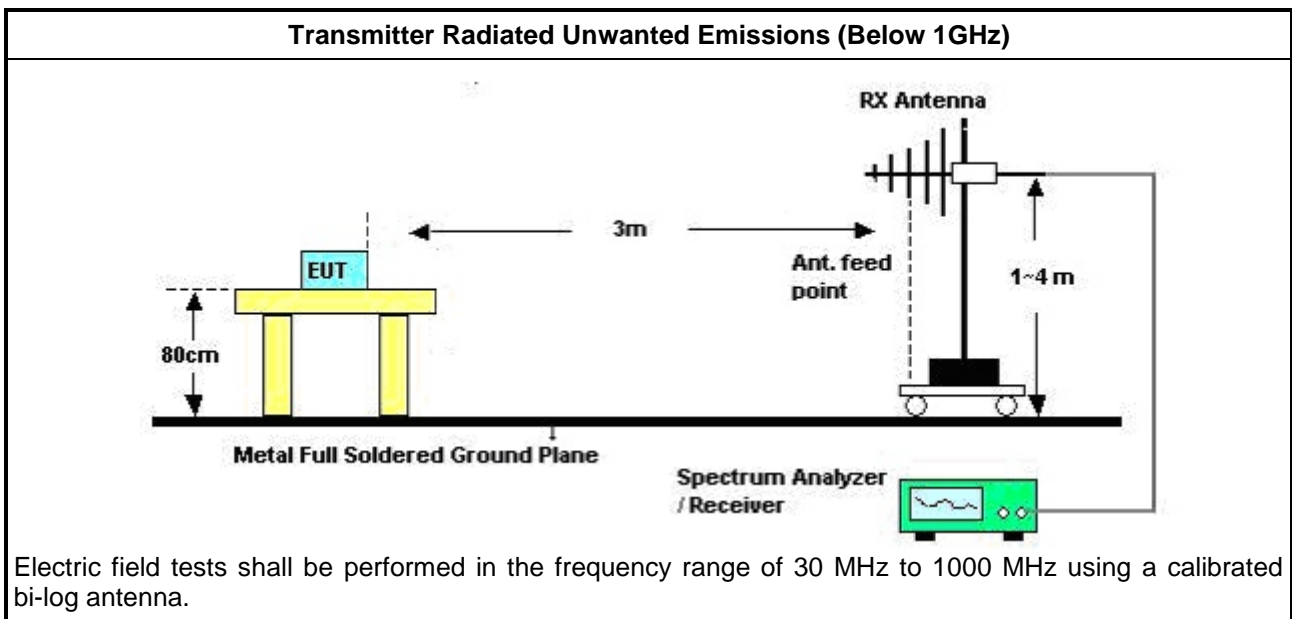
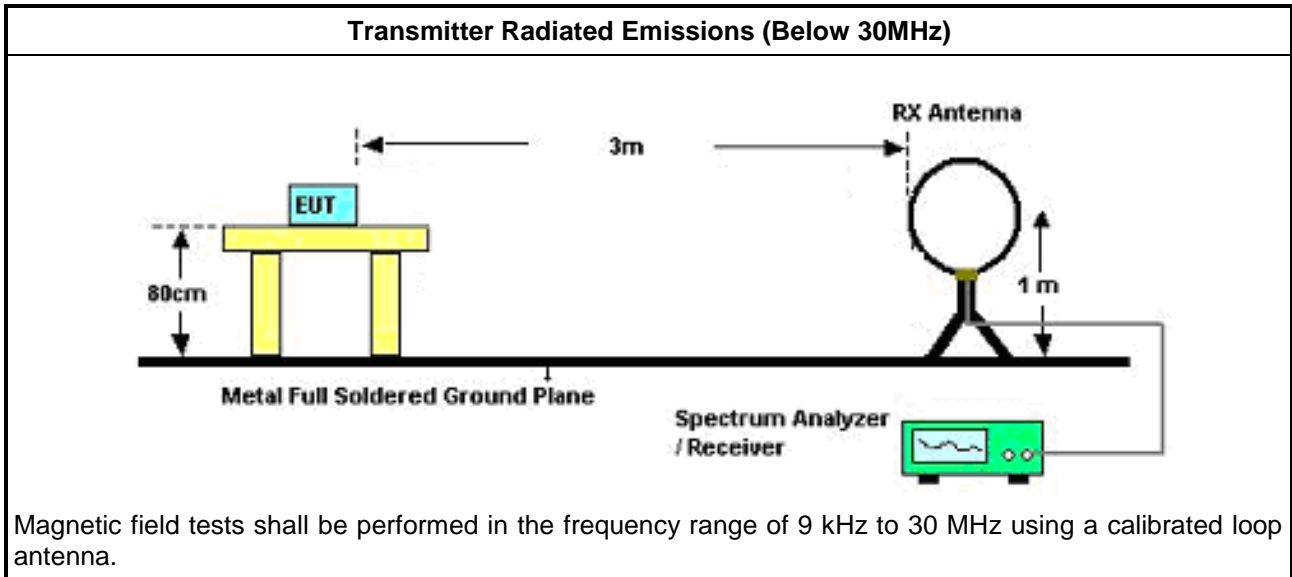
Test Method	
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1 GHz and test distance is 3m.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz the frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 30MHz measurements employing a CISPR quasi-peak detector. Test distance is 3 m.
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	The results shall be by using the square of an inverse linear distance extrapolation factor (40 dB/decade).
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	The any unwanted emissions level shall not exceed the fundamental emission level.
<input checked="" type="checkbox"/>	All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
<input checked="" type="checkbox"/>	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

3.2.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.2.5 Test Setup



3.2.6 Transmitter Radiated Emissions (Below 30MHz)

Refer as Appendix B

3.2.7 Transmitter Radiated Emissions (Above 30MHz)

Refer as Appendix B

3.3 Emission Bandwidth

3.3.1 Emission Bandwidth Limit

Emission Bandwidth Limit
N/A

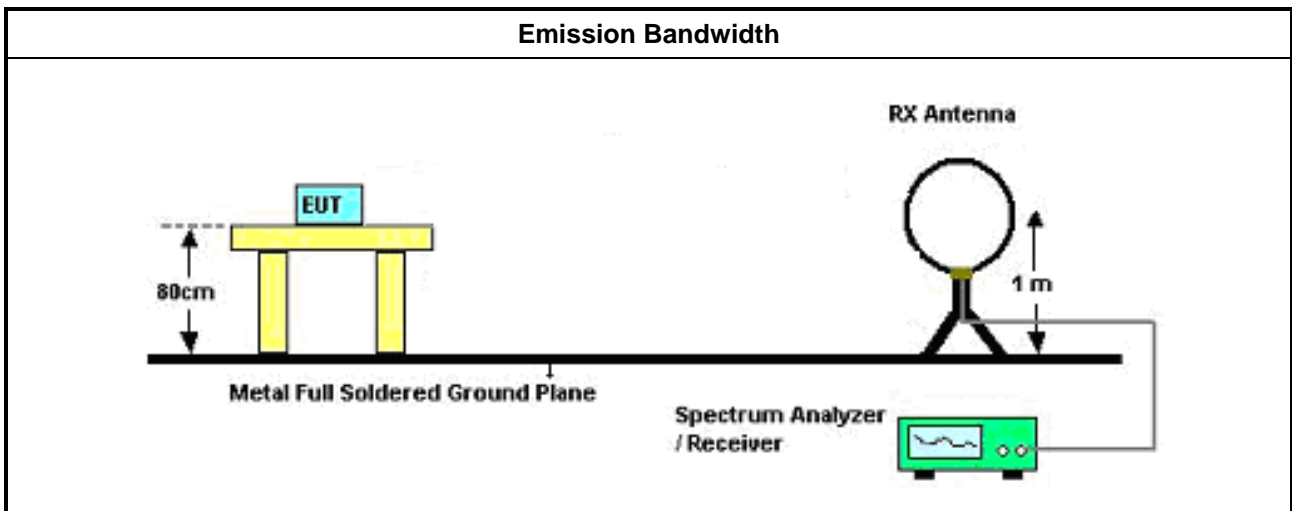
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> 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.
<input checked="" type="checkbox"/> 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.

3.3.4 Test Setup



3.3.5 Test Result of Emission Bandwidth

Refer as Appendix C



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	31/Aug/2020	30/Aug/2021
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/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	03CH03-HY	30MHz~1GHz 3m	06/Aug/2020	05/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	14/Apr/2020	13/Apr/2021
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	25/Oct/2020	24/Oct/2021
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	19/Jun/2020	18/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	18/Mar/2020	17/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021



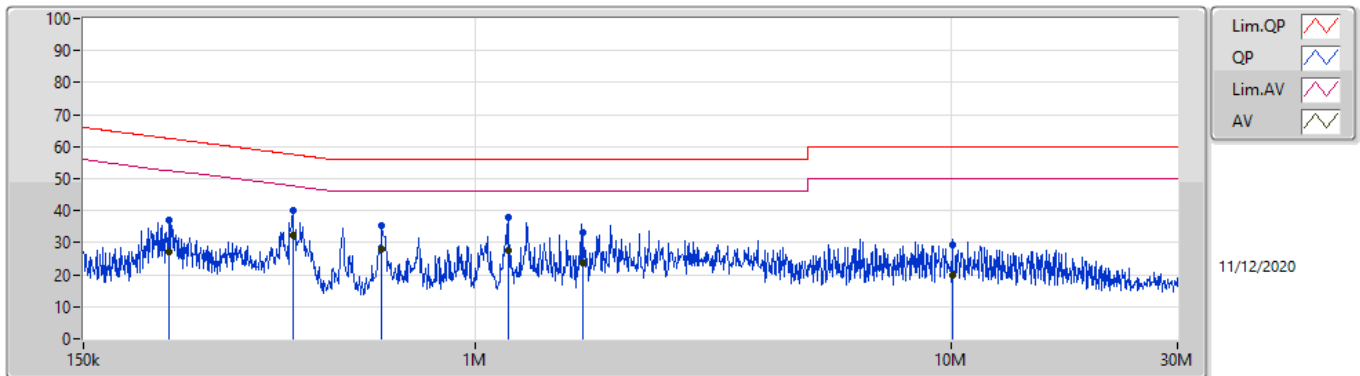
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	644.016k	34.44	46.00	-11.56	Neutral

Mode Configure

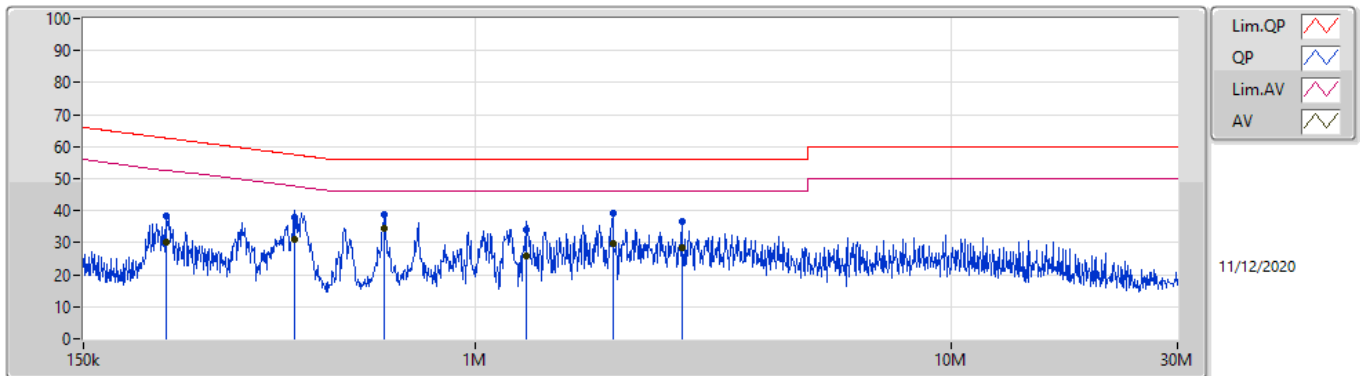
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	226.289k	37.00	62.58	-25.58	Line	-
Mode 1	Pass	AV	226.289k	27.35	52.58	-25.23	Line	-
Mode 1	Pass	QP	413.48k	39.90	57.59	-17.69	Line	-
Mode 1	Pass	AV	413.48k	32.37	47.59	-15.22	Line	"Worst"
Mode 1	Pass	QP	636.349k	35.14	56.00	-20.86	Line	-
Mode 1	Pass	AV	636.349k	27.95	46.00	-18.05	Line	-
Mode 1	Pass	QP	1.172M	38.07	56.00	-17.93	Line	-
Mode 1	Pass	AV	1.172M	27.79	46.00	-18.21	Line	-
Mode 1	Pass	QP	1.679M	33.32	56.00	-22.68	Line	-
Mode 1	Pass	AV	1.679M	23.57	46.00	-22.43	Line	-
Mode 1	Pass	QP	10.079M	29.52	60.00	-30.48	Line	-
Mode 1	Pass	AV	10.079M	19.94	50.00	-30.06	Line	-
Mode 1	Pass	QP	223.595k	38.48	62.69	-24.21	Neutral	-
Mode 1	Pass	AV	223.595k	30.31	52.69	-22.38	Neutral	-
Mode 1	Pass	QP	416.794k	38.06	57.51	-19.45	Neutral	-
Mode 1	Pass	AV	416.794k	31.13	47.51	-16.38	Neutral	-
Mode 1	Pass	QP	644.016k	38.80	56.00	-17.20	Neutral	-
Mode 1	Pass	AV	644.016k	34.44	46.00	-11.56	Neutral	"Worst"
Mode 1	Pass	QP	1.28M	34.17	56.00	-21.83	Neutral	-
Mode 1	Pass	AV	1.28M	25.83	46.00	-20.17	Neutral	-
Mode 1	Pass	QP	1.946M	39.10	56.00	-16.90	Neutral	-
Mode 1	Pass	AV	1.946M	29.85	46.00	-16.15	Neutral	-
Mode 1	Pass	QP	2.721M	36.45	56.00	-19.55	Neutral	-
Mode 1	Pass	AV	2.721M	28.24	46.00	-17.76	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	226.289k	37.00	62.58	-25.58	19.59	Line	-	17.41	9.68	0.01	9.90			
AV	226.289k	27.35	52.58	-25.23	19.59	Line	-	7.76	9.68	0.01	9.90			
QP	413.48k	39.90	57.59	-17.69	19.59	Line	-	20.31	9.67	0.02	9.90			
AV	413.48k	32.37	47.59	-15.22	19.59	Line	"Worst"	12.78	9.67	0.02	9.90			
QP	636.349k	35.14	56.00	-20.86	19.56	Line	-	15.58	9.67	0.04	9.85			
AV	636.349k	27.95	46.00	-18.05	19.56	Line	-	8.39	9.67	0.04	9.85			
QP	1.172M	38.07	56.00	-17.93	19.53	Line	-	18.54	9.67	0.06	9.80			
AV	1.172M	27.79	46.00	-18.21	19.53	Line	-	8.26	9.67	0.06	9.80			
QP	1.679M	33.32	56.00	-22.68	19.55	Line	-	13.77	9.68	0.07	9.80			
AV	1.679M	23.57	46.00	-22.43	19.55	Line	-	4.02	9.68	0.07	9.80			
QP	10.079M	29.52	60.00	-30.48	19.83	Line	-	9.69	9.72	0.21	9.90			
AV	10.079M	19.94	50.00	-30.06	19.83	Line	-	0.11	9.72	0.21	9.90			

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	223.595k	38.48	62.69	-24.21	19.59	Neutral	-	18.89	9.68	0.01	9.90			
AV	223.595k	30.31	52.69	-22.38	19.59	Neutral	-	10.72	9.68	0.01	9.90			
QP	416.794k	38.06	57.51	-19.45	19.59	Neutral	-	18.47	9.67	0.02	9.90			
AV	416.794k	31.13	47.51	-16.38	19.59	Neutral	-	11.54	9.67	0.02	9.90			
QP	644.016k	38.80	56.00	-17.20	19.56	Neutral	-	19.24	9.67	0.04	9.85			
AV	644.016k	34.44	46.00	-11.56	19.56	Neutral	"Worst"	14.88	9.67	0.04	9.85			
QP	1.28M	34.17	56.00	-21.83	19.53	Neutral	-	14.64	9.67	0.06	9.80			
AV	1.28M	25.83	46.00	-20.17	19.53	Neutral	-	6.30	9.67	0.06	9.80			
QP	1.946M	39.10	56.00	-16.90	19.56	Neutral	-	19.54	9.68	0.08	9.80			
AV	1.946M	29.85	46.00	-16.15	19.56	Neutral	-	10.29	9.68	0.08	9.80			
QP	2.721M	36.45	56.00	-19.55	19.62	Neutral	-	16.83	9.68	0.10	9.84			
AV	2.721M	28.24	46.00	-17.76	19.62	Neutral	-	8.62	9.68	0.10	9.84			



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
320-330kHz	Pass	PK	2.657M	45.92	69.50	-23.58	20.11	3	Horizontal	0	1.00	-



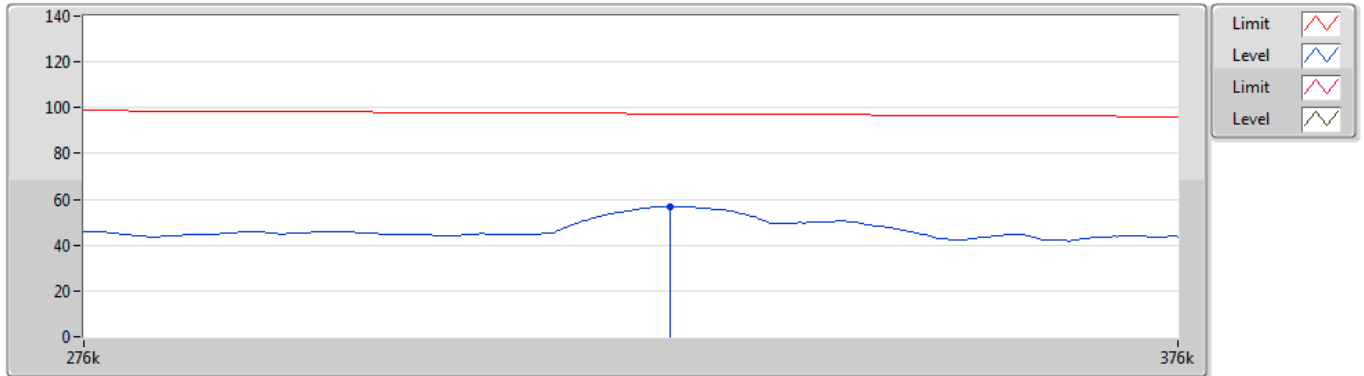
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
320-330kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.32663MHz_TX	Pass	PK	325.8k	56.92	97.34	-40.42	20.51	3	Horizontal	0	1.00	-
0.32663MHz_TX	Pass	PK	16.05k	50.31	123.48	-73.17	20.33	3	Horizontal	360	1.00	-
0.32663MHz_TX	Pass	PK	58.35k	47.45	112.27	-64.82	20.96	3	Horizontal	360	1.00	-
0.32663MHz_TX	Pass	PK	91.908k	48.74	108.33	-59.59	20.12	3	Horizontal	360	1.00	-
0.32663MHz_TX	Pass	PK	209.7k	50.01	101.16	-51.15	20.32	3	Horizontal	0	1.00	-
0.32663MHz_TX	Pass	PK	388.8k	49.15	95.80	-46.65	20.55	3	Horizontal	0	1.00	-
0.32663MHz_TX	Pass	PK	2.657M	45.92	69.50	-23.58	20.11	3	Horizontal	0	1.00	-

320-330kHz

14/12/2020

0.32663MHz_TX

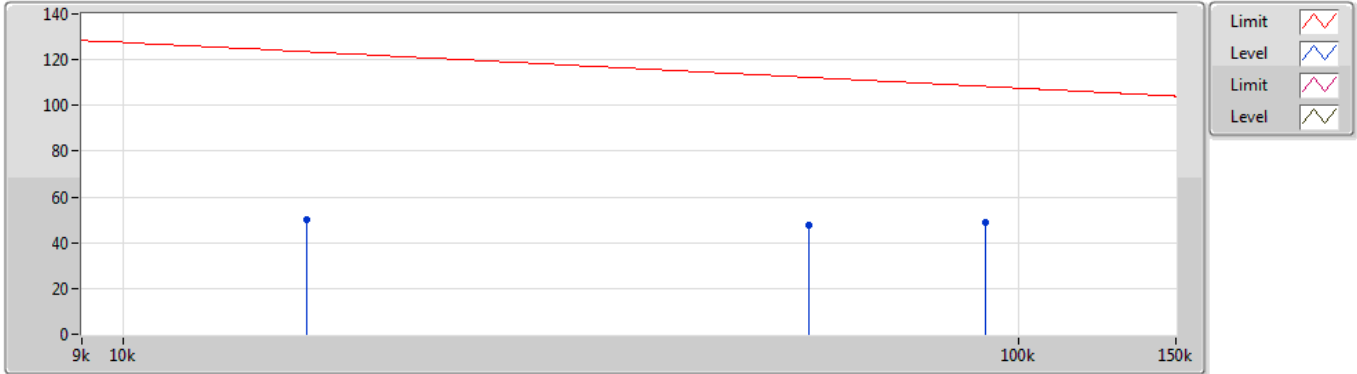


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	325.8k	56.92	97.34	-40.42	20.51	3	Horizontal	0	1.00	-	36.41	20.42	0.09	-

320-330kHz

14/12/2020

0.32663MHz_TX

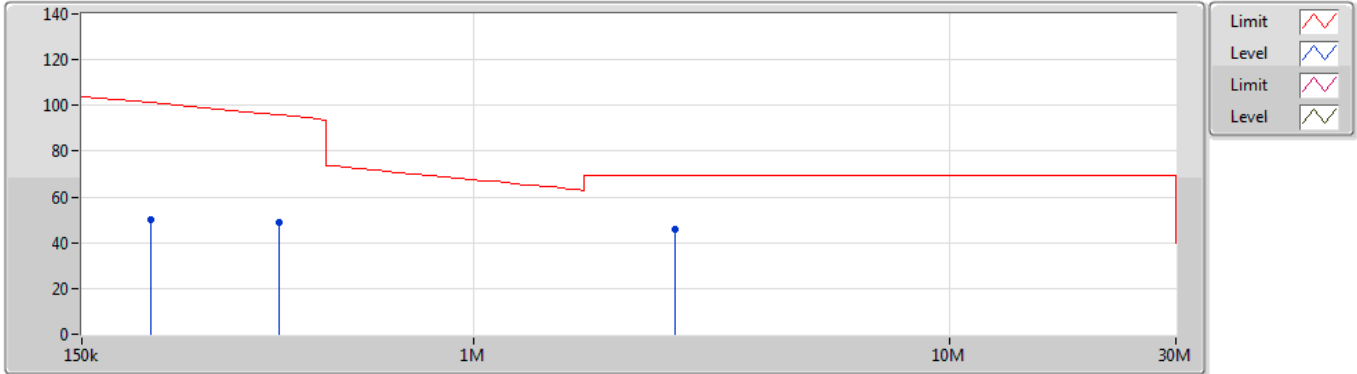


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	16.05k	50.31	123.48	-73.17	20.33	3	Horizontal	360	1.00	-	29.98	20.29	0.04	-
PK	58.35k	47.45	112.27	-64.82	20.96	3	Horizontal	360	1.00	-	26.49	20.91	0.05	-
PK	91.908k	48.74	108.33	-59.59	20.12	3	Horizontal	360	1.00	-	28.62	20.06	0.06	-

320-330kHz

14/12/2020

0.32663MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	209.7k	50.01	101.16	-51.15	20.32	3	Horizontal	0	1.00	-	29.69	20.24	0.08	-
PK	388.8k	49.15	95.80	-46.65	20.55	3	Horizontal	0	1.00	-	28.60	20.45	0.10	-
PK	2.657M	45.92	69.50	-23.58	20.11	3	Horizontal	0	1.00	-	25.81	19.87	0.24	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
320-330kHz	Pass	PK	47.46M	35.95	40.00	-4.05	-12.38	3	Vertical	0	1.00	-



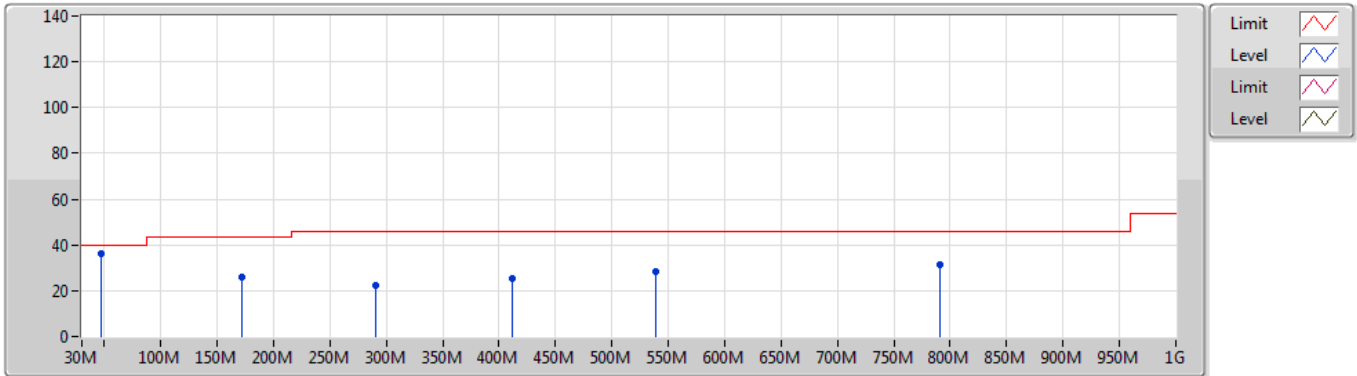
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
320-330kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.32663MHz_Adapter	Pass	PK	47.46M	35.95	40.00	-4.05	-12.38	3	Vertical	0	1.00	-
0.32663MHz_Adapter	Pass	PK	171.62M	25.87	43.50	-17.63	-10.06	3	Vertical	0	1.00	-
0.32663MHz_Adapter	Pass	PK	289.96M	22.12	46.00	-23.88	-5.63	3	Vertical	0	1.00	-
0.32663MHz_Adapter	Pass	PK	412.18M	25.37	46.00	-20.63	-2.43	3	Vertical	0	1.00	-
0.32663MHz_Adapter	Pass	PK	538.28M	28.07	46.00	-17.93	0.07	3	Vertical	0	1.00	-
0.32663MHz_Adapter	Pass	PK	790.48M	31.16	46.00	-14.84	2.56	3	Vertical	0	1.00	-
0.32663MHz_Adapter	Pass	PK	47.46M	24.79	40.00	-15.21	-12.38	3	Horizontal	360	1.00	-
0.32663MHz_Adapter	Pass	PK	163.86M	25.03	43.50	-18.47	-10.08	3	Horizontal	360	1.00	-
0.32663MHz_Adapter	Pass	PK	264.74M	23.40	46.00	-22.60	-5.43	3	Horizontal	360	1.00	-
0.32663MHz_Adapter	Pass	PK	505.3M	27.81	46.00	-18.19	-1.20	3	Horizontal	360	1.00	-
0.32663MHz_Adapter	Pass	PK	561.56M	28.43	46.00	-17.57	0.28	3	Horizontal	360	1.00	-
0.32663MHz_Adapter	Pass	PK	751.68M	31.05	46.00	-14.95	2.15	3	Horizontal	360	1.00	-

320-330kHz

14/12/2020

0.32663MHz_Adapter

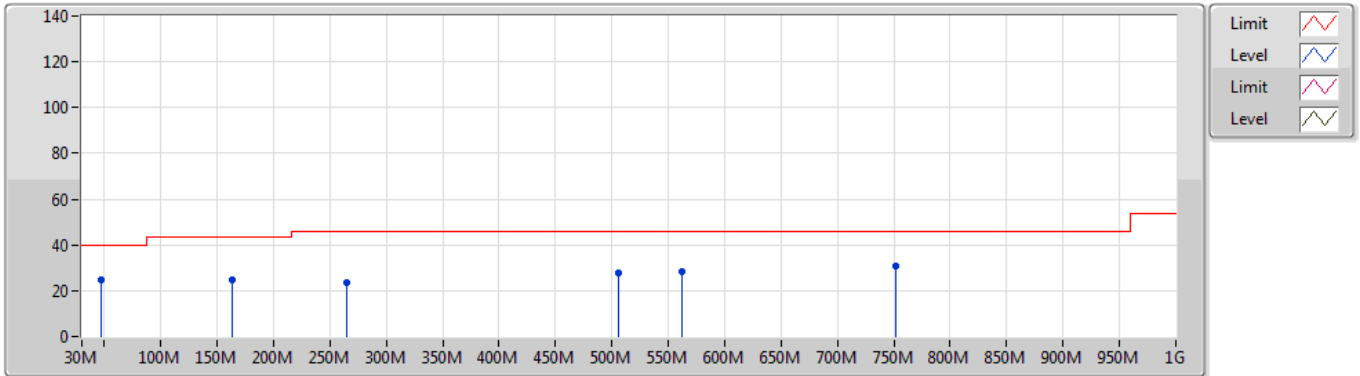


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	47.46M	35.95	40.00	-4.05	-12.38	3	Vertical	0	1.00	-	48.33	14.09	1.05	27.52
PK	171.62M	25.87	43.50	-17.63	-10.06	3	Vertical	0	1.00	-	35.93	14.89	2.12	27.07
PK	289.96M	22.12	46.00	-23.88	-5.63	3	Vertical	0	1.00	-	27.75	18.19	2.84	26.66
PK	412.18M	25.37	46.00	-20.63	-2.43	3	Vertical	0	1.00	-	27.80	21.61	3.32	27.36
PK	538.28M	28.07	46.00	-17.93	0.07	3	Vertical	0	1.00	-	28.00	24.19	3.85	27.97
PK	790.48M	31.16	46.00	-14.84	2.56	3	Vertical	0	1.00	-	28.60	25.63	4.76	27.83

320-330kHz

14/12/2020

0.32663MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	47.46M	24.79	40.00	-15.21	-12.38	3	Horizontal	360	1.00	-	37.17	14.09	1.05	27.52
PK	163.86M	25.03	43.50	-18.47	-10.08	3	Horizontal	360	1.00	-	35.11	14.99	2.04	27.11
PK	264.74M	23.40	46.00	-22.60	-5.43	3	Horizontal	360	1.00	-	28.83	18.57	2.69	26.69
PK	505.3M	27.81	46.00	-18.19	-1.20	3	Horizontal	360	1.00	-	29.01	22.89	3.72	27.81
PK	561.56M	28.43	46.00	-17.57	0.28	3	Horizontal	360	1.00	-	28.15	24.35	3.95	28.02
PK	751.68M	31.05	46.00	-14.95	2.15	3	Horizontal	360	1.00	-	28.90	25.54	4.61	28.00

Summary

Mode	15dB (Hz)	OBW (Hz)
326.63k	-	-
WPC	2.275k	2.248k

Result

Mode	Result	15dB (Hz)	FI-15dB (Hz)	Fh-15dB (Hz)	OBW (Hz)	FI-OBW (Hz)	Fh-OBW (Hz)	Limit (Range)
WPC	-	-	-	-	-	-	-	-
0.32663MHz_TnomVnom	Pass	2.275k	325.37875k	327.65375k	2.248k	325.38812k	327.63575k	-

