

NCC Radio Test Report

Equipment : 小米直立風冷無線充電座 50W
Brand Name : xiaomi
Model Name : MDY-12-EN
Applicant : 台灣小米通訊有限公司
台北市中正區新生南路 1 段 50 號 2 樓之 2
Manufacturer : Lanto Electronic Ltd.
No.399 baisheng Road, jinxi Town,
Kunshan City, Jiangsu, 215324, China
Standard : LP0002 Section 3.6 (2020-07-01)

The product was received on Dec. 28, 2021, and testing was started from 29. Dec, 2021 and completed on Jan. 05, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

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TEL : 886-3-327-3456
FAX : 886-3-327-0973
Report Template No.: HE1-C5 Ver4.0

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	3.2	Antenna Requirement	PASS	-
3.1	3.3	AC Power-line Conducted Emissions	PASS	-
3.2	3.6	Transmitter Radiated Emissions	PASS	-
3.3	-	Emission Bandwidth	PASS	-
3.4	3.9	Receiver Radiated Emissions	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: Amber Chiu

1 General Description

1.1 Information

There is a Bluetooth chip on PCB board which is disabled by software.

1.1.1 General Information

Wireless Power Transfer General Information			
Frequency Range	Modulation	Operating Freq. (kHz)	Field Strength (dBuV/m)
112-148 kHz	FSK	136	88.21
Power Transfer Method	Output power from each primary coil	That may have multiple primary coils	Operating 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

Ant.	Brand	Model Name	Antenna Type	Connector
1	BTCOIL	077-091H-0391	Coil	N/A

1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter
Type of EUT	
☒	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:

- ♦ LP0002 (2020-07-01)
- ♦ ANSI C63.10-2013
- ♦ ANSI C63.4-2014

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

- ♦ KDB 680106 D01 RF Exposure Wireless Charging Apps v03r01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456	FAX: 886-3-327-0973		
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Billy Wang	20.4~21.1°C / 55~57%	03/Jan/2022
RF Conducted	TH06-HY	Alan Chien	20.1~26.9°C / 50~60%	04/Jan/2022~05/Jan/2022
Radiated	03CH02-HY	Jack Tang	21.2~22.5°C / 52~57%	29/Dec/2021~30/Dec/2021
☐ Wen 33rd. St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787	FAX: 886-3-318-0287		

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 Channel Mode

Test Software Version	N/A
------------------------------	-----

Note: The EUT transmits RF signal continuously by itself.

Mode	Power Setting
110-148kHz	-
0.136MHz	default

2.2 The Worst Case Configuration

Mode	Field Strength (dBuV/m at 3 m)	Charger Frequencies (kHz)
WPC	88.21	136

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 (112-148 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 Test Voltage: 110Vac / 60Hz
Operating Mode	CTX/CRX
	Adapter Mode

The Worst Case Mode for Following Conformance Tests			
Tests Item	Transmitter Radiated Emissions, Emission Bandwidth Receiver Radiated Spurious Emissions		
Test Condition	Radiated measurement		
Operating Mode	CTX/CRX		
	Adapter Mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

2.4 Support Equipment

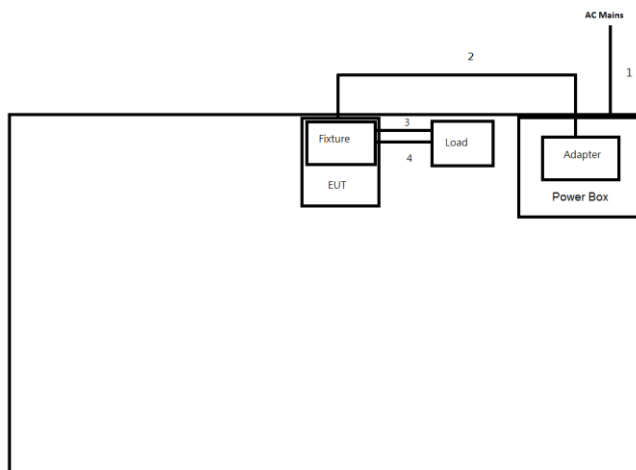
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Xiaomi	MDY-13-EG	-	-
2	10W Fixture	Lanto	A1	-	Provided by Customer
3	50W Fixture	Lanto	A3	-	Provided by Customer
4	10W Load	Lanto	A1	-	Provided by Customer
5	50W Load	Lanto	A3	-	Provided by Customer
6	USB Type-C Cable	LUXSHARE	L6BU2087-CS-H	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Xiaomi	MDY-13-EG	-	-
2	10W Fixture	Lanto	A1	-	Provided by Customer
3	50W Fixture	Lanto	A3	-	Provided by Customer
4	10W Load	Lanto	A1	-	Provided by Customer
5	50W Load	Lanto	A3	-	Provided by Customer

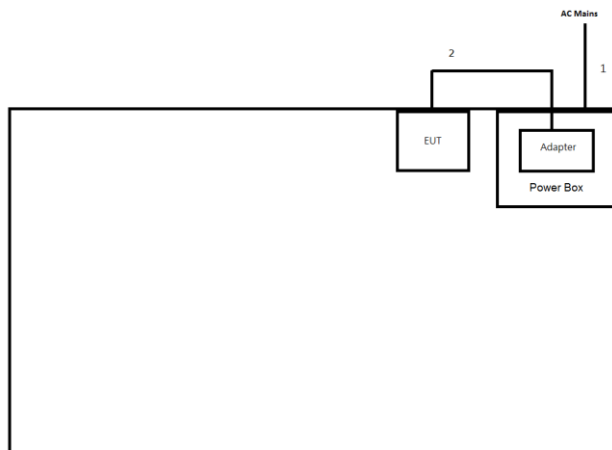
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Xiaomi	MDY-13-EG	-	-
2	10W Fixture	Lanto	A1	-	Provided by Customer
3	50W Fixture	Lanto	A3	-	Provided by Customer
4	10W Load	Lanto	A1	-	Provided by Customer
5	50W Load	Lanto	A3	-	Provided by Customer
6	USB Type-C Cable	LUXSHARE	L6BU2087-CS-H	-	-

2.5 Test Setup Diagram

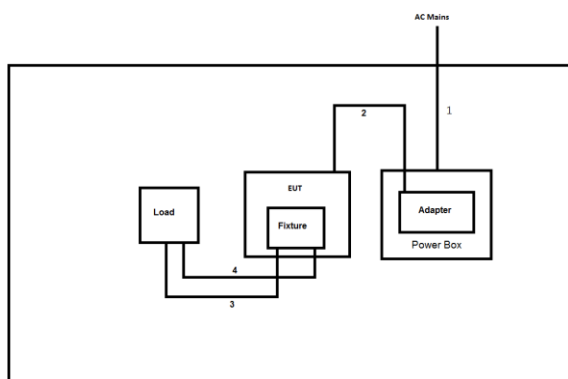
Test Setup Diagram – AC Line Conducted Emission Test (TX)



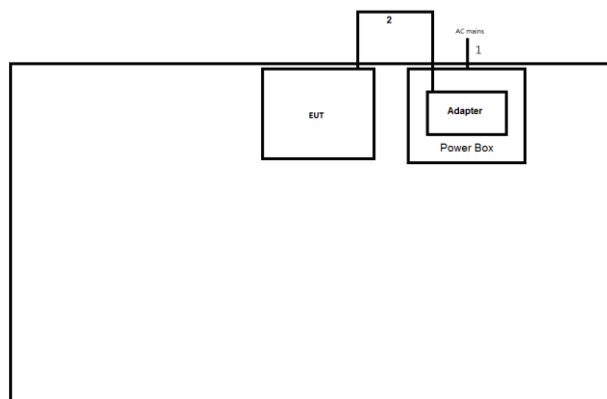
Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB Type-C cable	Yes	0.95	-
3	DC power cable(+)	No	0.1	-
4	DC power cable(-)	No	0.1	-

Test Setup Diagram – AC Line Conducted Emission Test (RX)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB Type-C cable	Yes	0.95	-

Test Setup Diagram - Radiated Test (TX)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB Type-C cable	Yes	0.95	-
3	DC power cable(+)	No	0.1	-
4	DC power cable(-)	No	0.1	-

Test Setup Diagram - Radiated Test (RX)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	USB Type-C cable	Yes	0.95	-

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

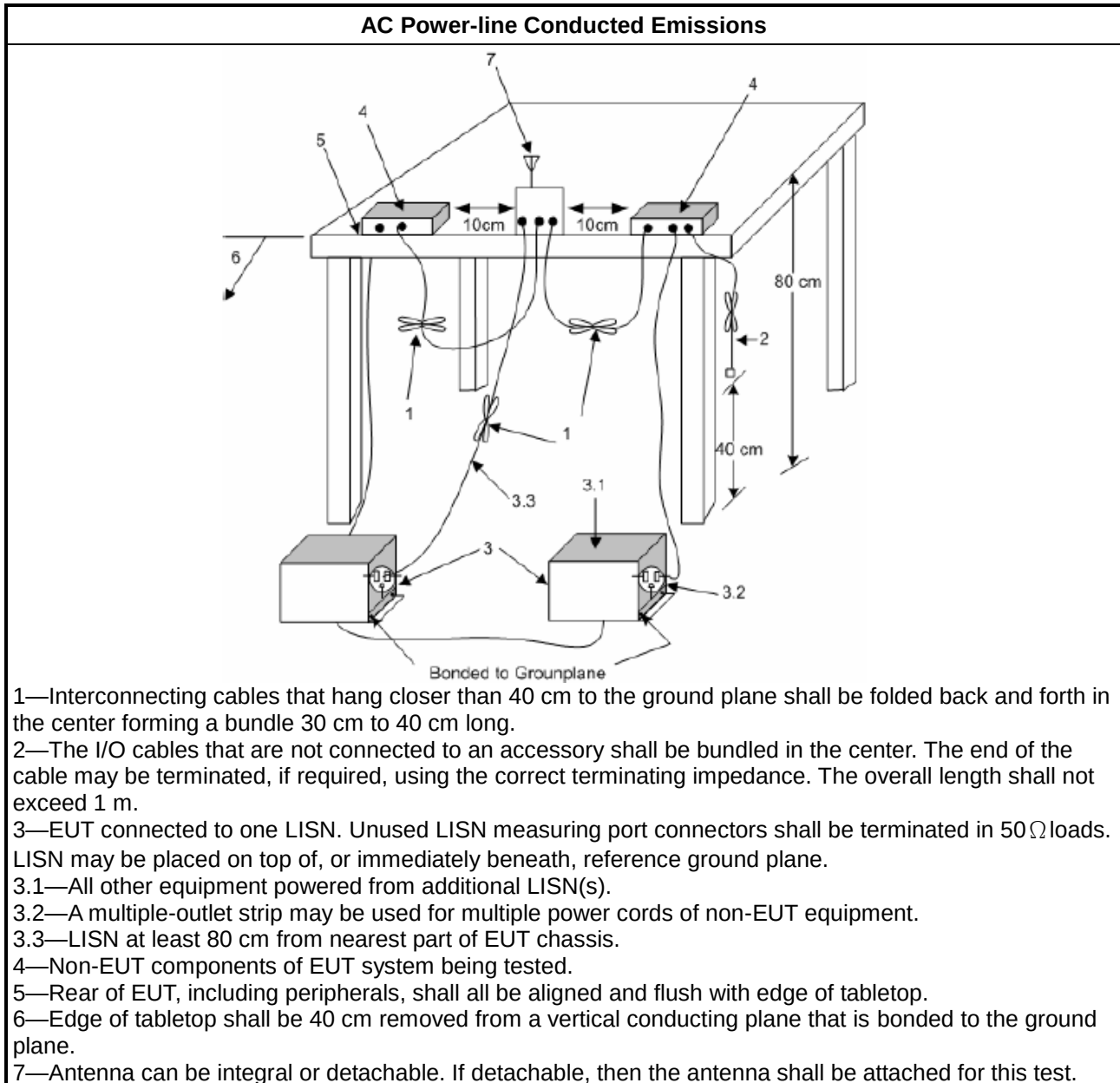
Test Method	
☒	Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.
☒	If AC conducted emissions fall in operating band, then following below test method confirm final result.
☐	Accept measurements done with a suitable dummy load replacing the antenna under the following conditions: (1) Perform the AC line conducted tests with the antenna connected to determine compliance with LP0002 3.3 limits outside the transmitter's fundamental emission band; (2) Retest with a dummy load to determine compliance with LP0002 3.3 limits within the transmitter's fundamental emission band.
☒	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 LP0002 3.3 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 LP0002 3.3 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

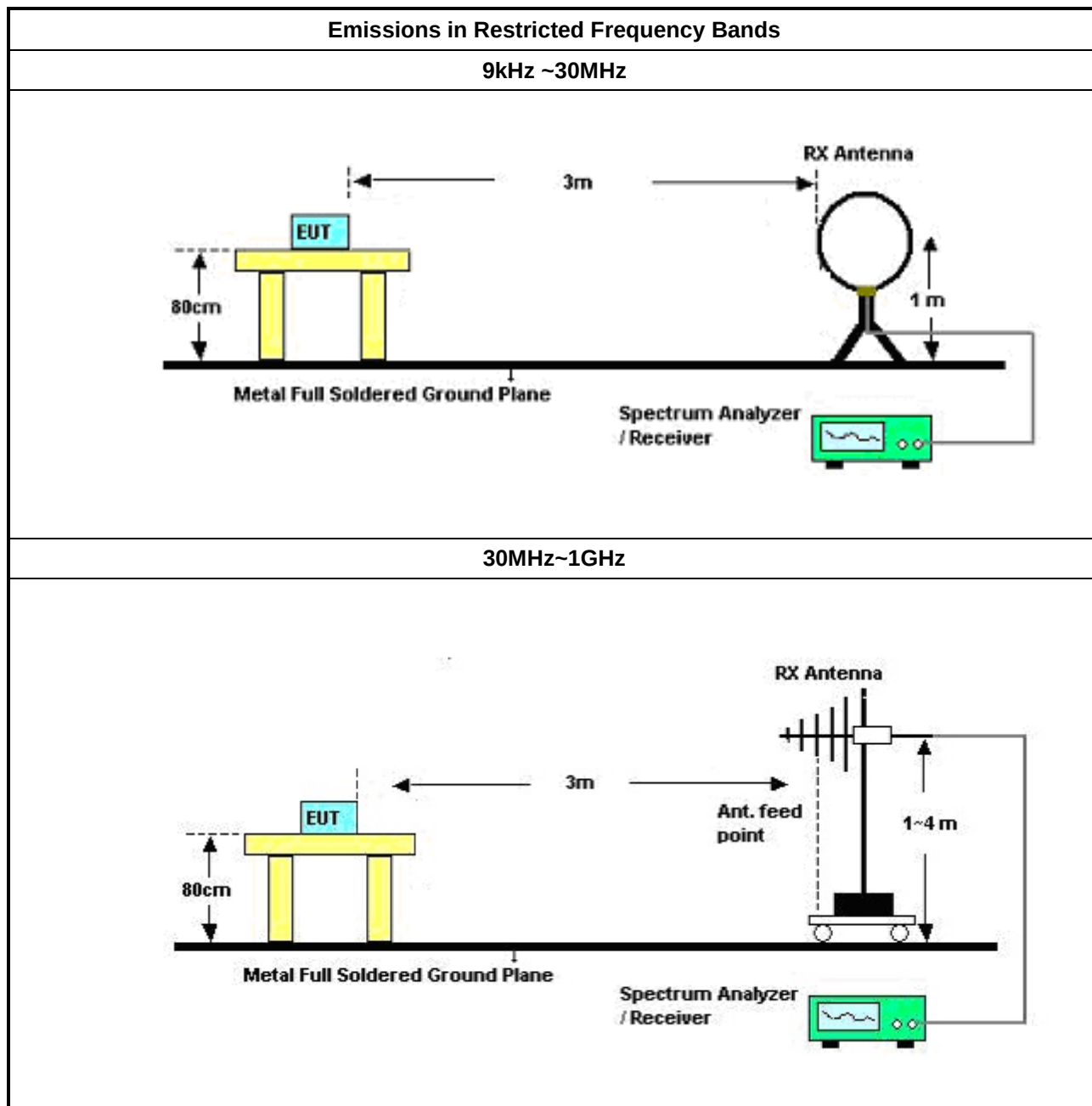
Test Method	
☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1 GHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz the frequency bands 9-90 kHz, 110-490 kHz measurements employing an average detector and other below 30MHz measurements 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).
☒	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.
☒	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.
☒	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
☒	Based on LP0002 6.5.2: 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.

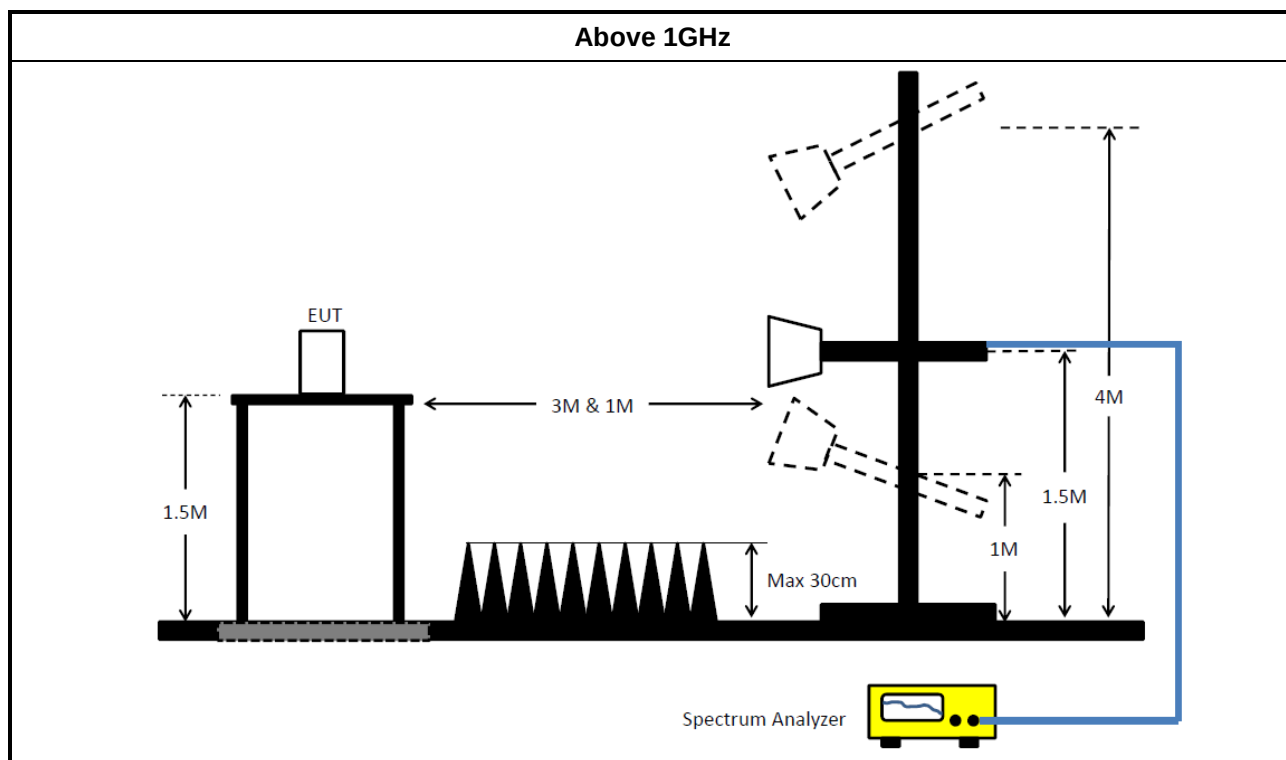
3.2.4 Measurement Results Calculation

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

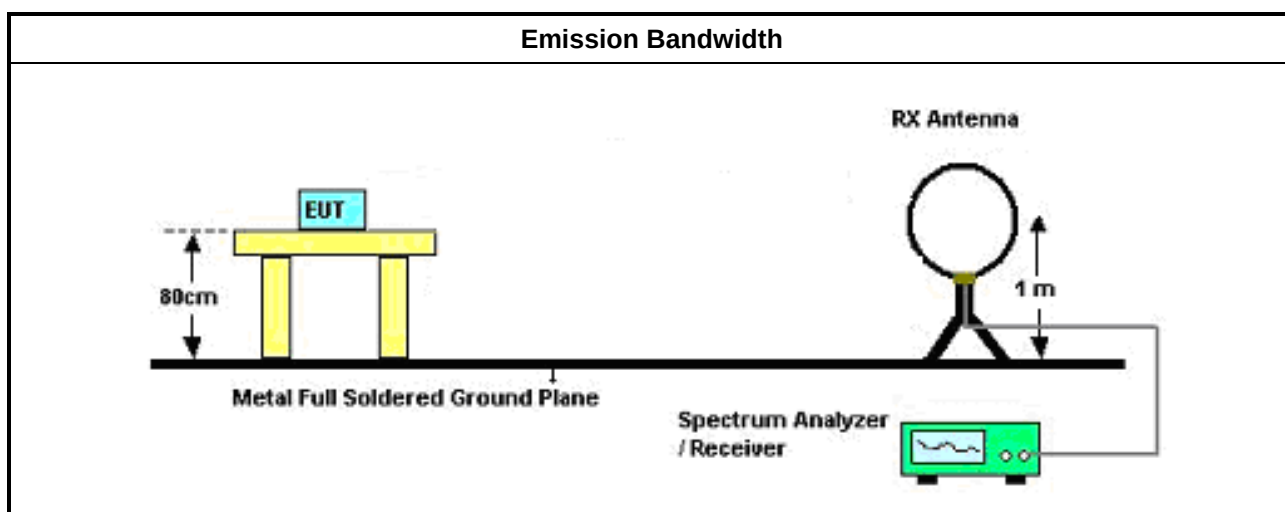
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
☒ 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 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

3.4 Receiver Radiated Spurious Emissions

Restricted Spurious 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.

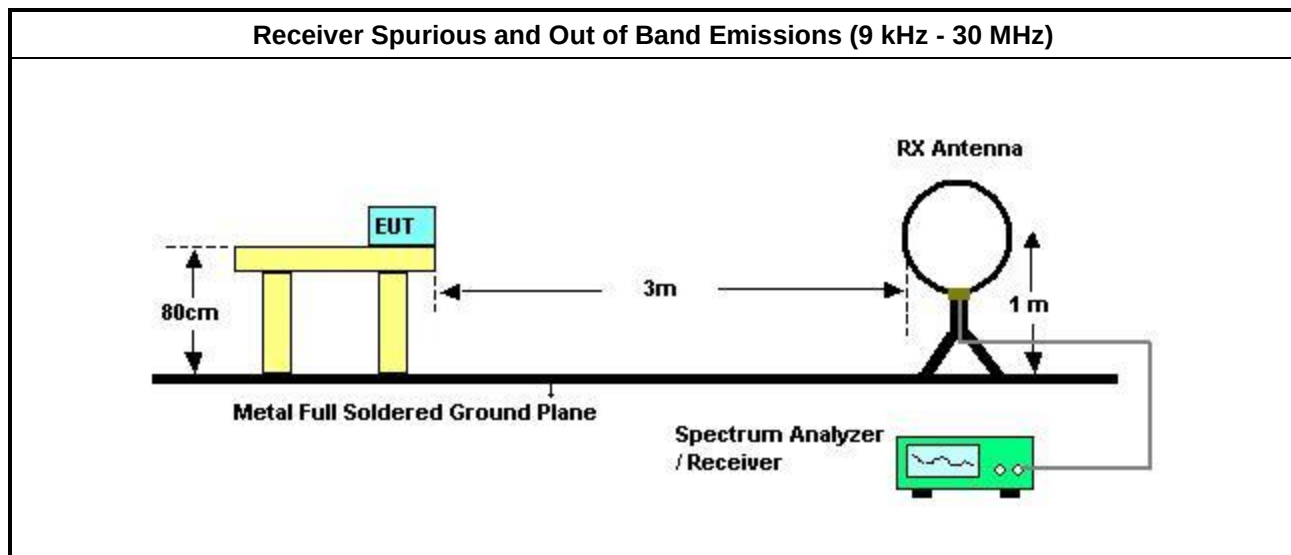
3.4.1 Measuring Instruments

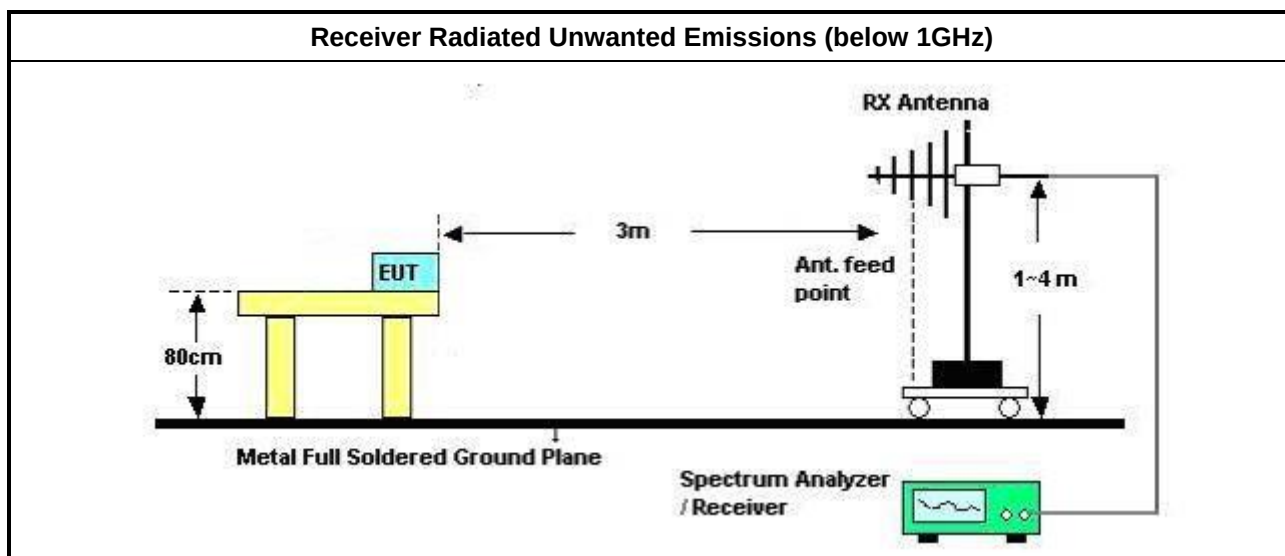
Refer a test equipment and calibration data table in this test report.

3.4.2 Test Procedures

Test Method	
☒	The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least 3 times the highest tuneable or local oscillator frequency, whichever is higher, without exceeding 40 GHz.
☒	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).
☒	For radiated measurement, refer as ANSI C63.4, clause 8.3.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from below 30 MHz.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from 30 MHz-1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the QP-Limit so that the QP level does not need to be reported in addition.
☐	Refer as ANSI C63.4, clause 8.3.1.2 and 8.3.2.2 for radiated emissions from above 1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
☒	All amplitude of spurious emissions that are attenuated by more than 30 dB below the permissible value has no need to be reported.

3.4.3 Test Setup





3.4.4 Receiver Radiated Emissions (Below 30MHz)

Refer as Appendix D

3.4.5 Receiver Radiated Emissions (Above 30MHz)

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer / Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	21/May/2021	20/May/2022
Two-Line V-Network	R&S	ENV216	100003	9kHz ~ 30MHz	23/Dec/2021	22/Dec/2022
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9kHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.7	-	NCR	NCR

Instrument for Conducted Test

Instrument	Manufacturer / Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	20/Oct/2021	19/Oct/2022
SENSE-NFC	Sporton	V5.10.4	NA	NA	NA	NA

Instrument for Radiated Test

Instrument	Manufacturer / Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	02/Aug/2021	01/Aug/2022
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2021	28/Jun/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	04/Sep/2021	03/Sep/2022
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022
Software	Sporton	SENSE-303417	V5.10.4	-	NCR	NCR



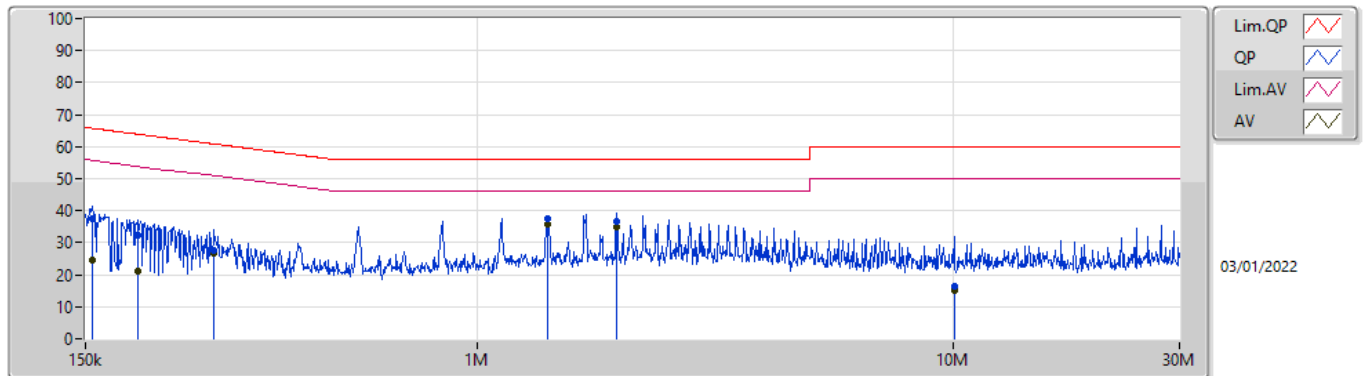
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	1.408M	35.75	46.00	-10.25	Line
Mode 2	Pass	AV	3.96M	14.31	46.00	-31.69	Neutral

Mode config

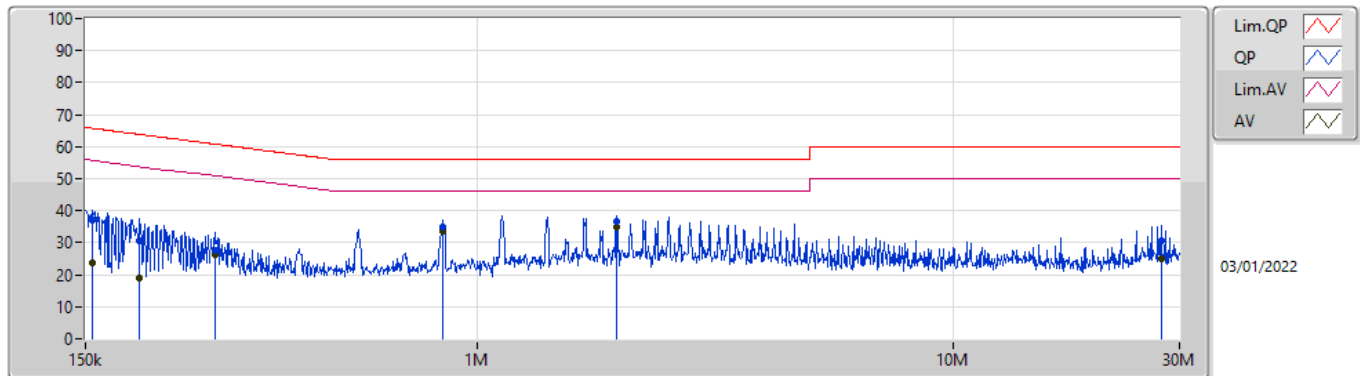
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	155.487k	37.66	65.69	-28.03	Line	-
Mode 1	Pass	AV	155.487k	24.38	55.69	-31.31	Line	-
Mode 1	Pass	QP	192.892k	32.12	63.92	-31.80	Line	-
Mode 1	Pass	AV	192.892k	21.24	53.92	-32.68	Line	-
Mode 1	Pass	QP	279.609k	27.78	60.82	-33.04	Line	-
Mode 1	Pass	AV	279.609k	26.54	50.82	-24.28	Line	-
Mode 1	Pass	QP	1.408M	37.33	56.00	-18.67	Line	-
Mode 1	Pass	AV	1.408M	35.75	46.00	-10.25	Line	-
Mode 1	Pass	QP	1.969M	36.67	56.00	-19.33	Line	-
Mode 1	Pass	AV	1.969M	34.95	46.00	-11.05	Line	-
Mode 1	Pass	QP	10.079M	16.38	60.00	-43.62	Line	-
Mode 1	Pass	AV	10.079M	14.95	50.00	-35.05	Line	-
Mode 1	Pass	QP	155.487k	37.21	65.69	-28.48	Neutral	-
Mode 1	Pass	AV	155.487k	23.80	55.69	-31.89	Neutral	-
Mode 1	Pass	QP	195.216k	30.41	63.80	-33.39	Neutral	-
Mode 1	Pass	AV	195.216k	18.87	53.80	-34.93	Neutral	-
Mode 1	Pass	QP	280.727k	27.73	60.80	-33.07	Neutral	-
Mode 1	Pass	AV	280.727k	26.47	50.80	-24.33	Neutral	-
Mode 1	Pass	QP	844.868k	35.08	56.00	-20.92	Neutral	-
Mode 1	Pass	AV	844.868k	33.63	46.00	-12.37	Neutral	-
Mode 1	Pass	QP	1.969M	36.76	56.00	-19.24	Neutral	-
Mode 1	Pass	AV	1.969M	35.02	46.00	-10.98	Neutral	-
Mode 1	Pass	QP	27.453M	30.71	60.00	-29.29	Neutral	-
Mode 1	Pass	AV	27.453M	24.86	50.00	-25.14	Neutral	-
Mode 2	Pass	QP	151.202k	18.92	65.92	-47.00	Line	-
Mode 2	Pass	AV	151.202k	17.46	55.92	-38.46	Line	-
Mode 2	Pass	QP	183.87k	14.76	64.30	-49.54	Line	-
Mode 2	Pass	AV	183.87k	14.16	54.30	-40.14	Line	-
Mode 2	Pass	QP	313.927k	12.96	59.86	-46.90	Line	-
Mode 2	Pass	AV	313.927k	12.47	49.86	-37.39	Line	-
Mode 2	Pass	QP	703.134k	13.40	56.00	-42.60	Line	-
Mode 2	Pass	AV	703.134k	12.41	46.00	-33.59	Line	-
Mode 2	Pass	QP	3.336M	14.88	56.00	-41.12	Line	-
Mode 2	Pass	AV	3.336M	13.97	46.00	-32.03	Line	-
Mode 2	Pass	QP	17.981M	20.48	60.00	-39.52	Line	-
Mode 2	Pass	AV	17.981M	14.23	50.00	-35.77	Line	-
Mode 2	Pass	QP	150k	18.97	66.00	-47.03	Neutral	-
Mode 2	Pass	AV	150k	17.74	56.00	-38.26	Neutral	-
Mode 2	Pass	QP	241.214k	13.49	62.06	-48.57	Neutral	-
Mode 2	Pass	AV	241.214k	13.33	52.06	-38.73	Neutral	-
Mode 2	Pass	QP	425.197k	18.97	57.34	-38.37	Neutral	-
Mode 2	Pass	AV	425.197k	15.17	47.34	-32.17	Neutral	-
Mode 2	Pass	QP	2.099M	13.78	56.00	-42.22	Neutral	-
Mode 2	Pass	AV	2.099M	12.80	46.00	-33.20	Neutral	-
Mode 2	Pass	QP	3.96M	16.16	56.00	-39.84	Neutral	-
Mode 2	Pass	AV	3.96M	14.31	46.00	-31.69	Neutral	-
Mode 2	Pass	QP	24.648M	16.33	60.00	-43.67	Neutral	-
Mode 2	Pass	AV	24.648M	15.08	50.00	-34.92	Neutral	-

Conducted Emissions at Powerline_Mode 1



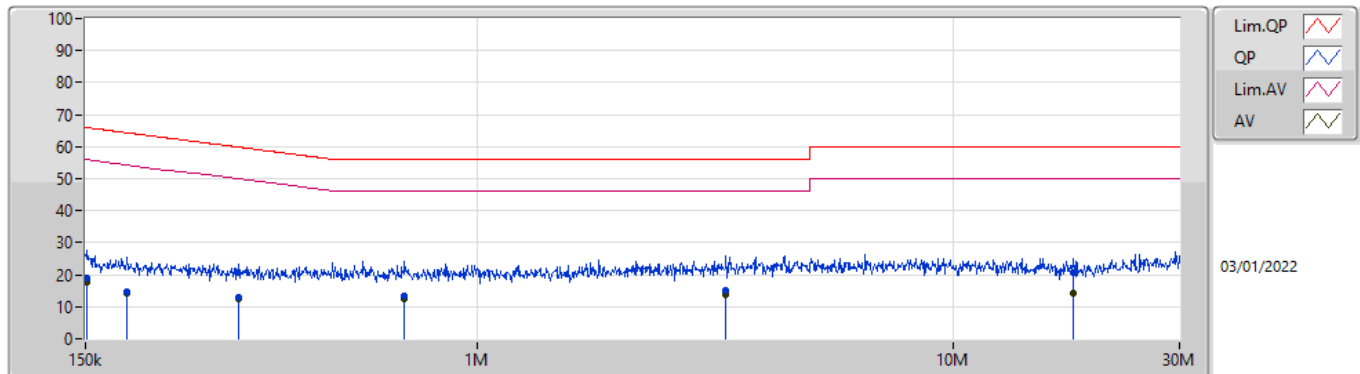
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	155.487k	37.66	65.69	-28.03	19.56	Line	-	18.10	9.61	0.04	9.91			
AV	155.487k	24.38	55.69	-31.31	19.56	Line	-	4.82	9.61	0.04	9.91			
QP	192.892k	32.12	63.92	-31.80	19.56	Line	-	12.56	9.61	0.04	9.91			
AV	192.892k	21.24	53.92	-32.68	19.56	Line	-	1.68	9.61	0.04	9.91			
QP	279.609k	27.78	60.82	-33.04	19.57	Line	-	8.21	9.61	0.05	9.91			
AV	279.609k	26.54	50.82	-24.28	19.57	Line	-	6.97	9.61	0.05	9.91			
QP	1.408M	37.33	56.00	-18.67	19.63	Line	-	17.70	9.62	0.09	9.92			
AV	1.408M	35.75	46.00	-10.25	19.63	Line	-	16.12	9.62	0.09	9.92			
QP	1.969M	36.67	56.00	-19.33	19.65	Line	-	17.02	9.63	0.10	9.92			
AV	1.969M	34.95	46.00	-11.05	19.65	Line	-	15.30	9.63	0.10	9.92			
QP	10.079M	16.38	60.00	-43.62	19.87	Line	-	-3.49	9.74	0.20	9.93			
AV	10.079M	14.95	50.00	-35.05	19.87	Line	-	-4.92	9.74	0.20	9.93			

Conducted Emissions at Powerline_Mode 1



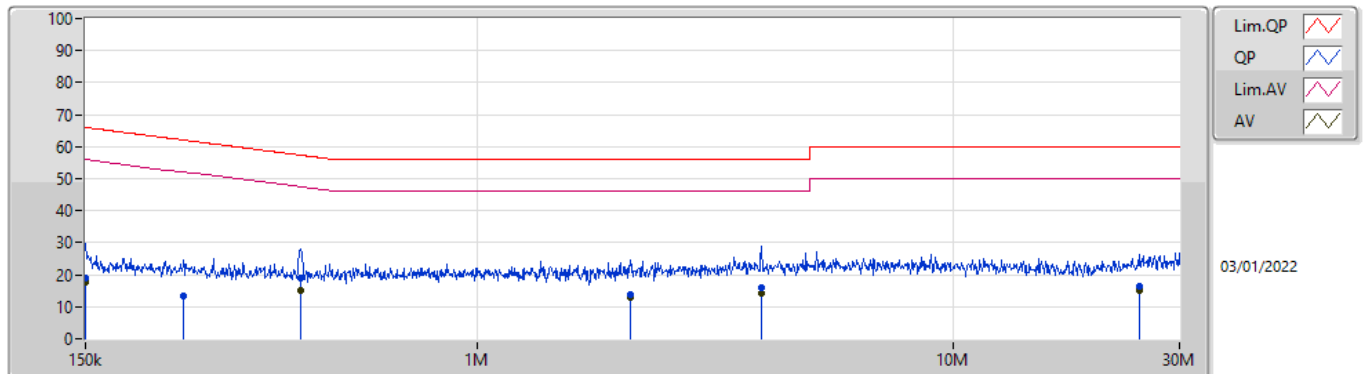
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	155.487k	37.21	65.69	-28.48	19.55	Neutral	-	17.66	9.60	0.04	9.91			
AV	155.487k	23.80	55.69	-31.89	19.55	Neutral	-	4.25	9.60	0.04	9.91			
QP	195.216k	30.41	63.80	-33.39	19.55	Neutral	-	10.86	9.60	0.04	9.91			
AV	195.216k	18.87	53.80	-34.93	19.55	Neutral	-	-0.68	9.60	0.04	9.91			
QP	280.727k	27.73	60.80	-33.07	19.56	Neutral	-	8.17	9.60	0.05	9.91			
AV	280.727k	26.47	50.80	-24.33	19.56	Neutral	-	6.91	9.60	0.05	9.91			
QP	844.868k	35.08	56.00	-20.92	19.62	Neutral	-	15.46	9.62	0.08	9.92			
AV	844.868k	33.63	46.00	-12.37	19.62	Neutral	-	14.01	9.62	0.08	9.92			
QP	1.969M	36.76	56.00	-19.24	19.64	Neutral	-	17.12	9.62	0.10	9.92			
AV	1.969M	35.02	46.00	-10.98	19.64	Neutral	-	15.38	9.62	0.10	9.92			
QP	27.453M	30.71	60.00	-29.29	20.24	Neutral	-	10.47	9.97	0.33	9.94			
AV	27.453M	24.86	50.00	-25.14	20.24	Neutral	-	4.62	9.97	0.33	9.94			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	151.202k	18.92	65.92	-47.00	19.56	Line	-	-0.64	9.61	0.04	9.91			
AV	151.202k	17.46	55.92	-38.46	19.56	Line	-	-2.10	9.61	0.04	9.91			
QP	183.87k	14.76	64.30	-49.54	19.56	Line	-	-4.80	9.61	0.04	9.91			
AV	183.87k	14.16	54.30	-40.14	19.56	Line	-	-5.40	9.61	0.04	9.91			
QP	313.927k	12.96	59.86	-46.90	19.56	Line	-	-6.60	9.60	0.05	9.91			
AV	313.927k	12.47	49.86	-37.39	19.56	Line	-	-7.09	9.60	0.05	9.91			
QP	703.134k	13.40	56.00	-42.60	19.60	Line	-	-6.20	9.61	0.07	9.92			
AV	703.134k	12.41	46.00	-33.59	19.60	Line	-	-7.19	9.61	0.07	9.92			
QP	3.336M	14.88	56.00	-41.12	19.69	Line	-	-4.81	9.64	0.13	9.92			
AV	3.336M	13.97	46.00	-32.03	19.69	Line	-	-5.72	9.64	0.13	9.92			
QP	17.981M	20.48	60.00	-39.52	19.94	Line	-	0.54	9.73	0.28	9.93			
AV	17.981M	14.23	50.00	-35.77	19.94	Line	-	-5.71	9.73	0.28	9.93			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	18.97	66.00	-47.03	19.55	Neutral	-	-0.58	9.60	0.04	9.91			
AV	150k	17.74	56.00	-38.26	19.55	Neutral	-	-1.81	9.60	0.04	9.91			
QP	241.214k	13.49	62.06	-48.57	19.56	Neutral	-	-6.07	9.60	0.05	9.91			
AV	241.214k	13.33	52.06	-38.73	19.56	Neutral	-	-6.23	9.60	0.05	9.91			
QP	425.197k	18.97	57.34	-38.37	19.57	Neutral	-	-0.60	9.60	0.06	9.91			
AV	425.197k	15.17	47.34	-32.17	19.57	Neutral	-	-4.40	9.60	0.06	9.91			
QP	2.099M	13.78	56.00	-42.22	19.64	Neutral	-	-5.86	9.62	0.10	9.92			
AV	2.099M	12.80	46.00	-33.20	19.64	Neutral	-	-6.84	9.62	0.10	9.92			
QP	3.96M	16.16	56.00	-39.84	19.71	Neutral	-	-3.55	9.65	0.14	9.92			
AV	3.96M	14.31	46.00	-31.69	19.71	Neutral	-	-5.40	9.65	0.14	9.92			
QP	24.648M	16.33	60.00	-43.67	20.19	Neutral	-	-3.86	9.94	0.32	9.93			
AV	24.648M	15.08	50.00	-34.92	20.19	Neutral	-	-5.11	9.94	0.32	9.93			



Conducted Emissions at Powerline_50W

Appendix A.2

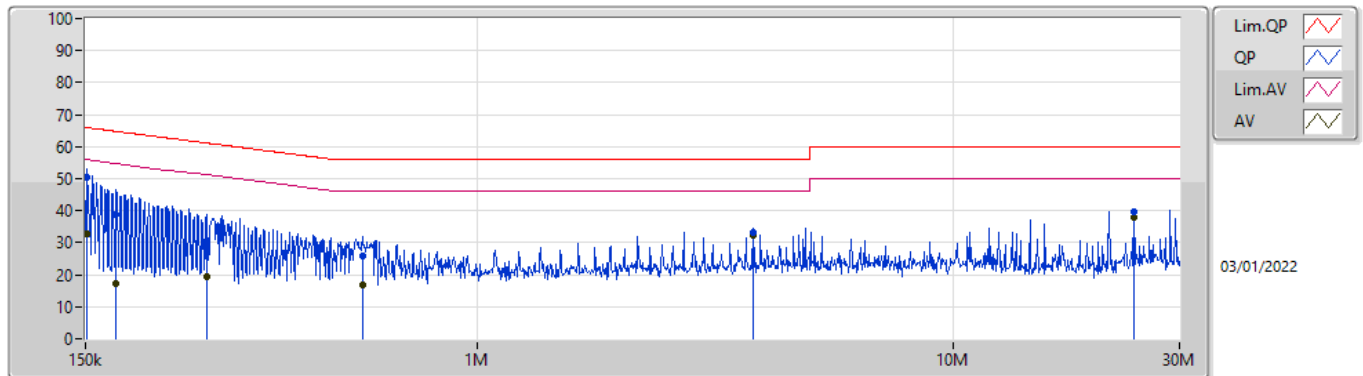
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	24.064M	37.75	50.00	-12.25	Line
Mode 2	Pass	QP	2.265M	24.91	56.00	-31.09	Line

Mode config

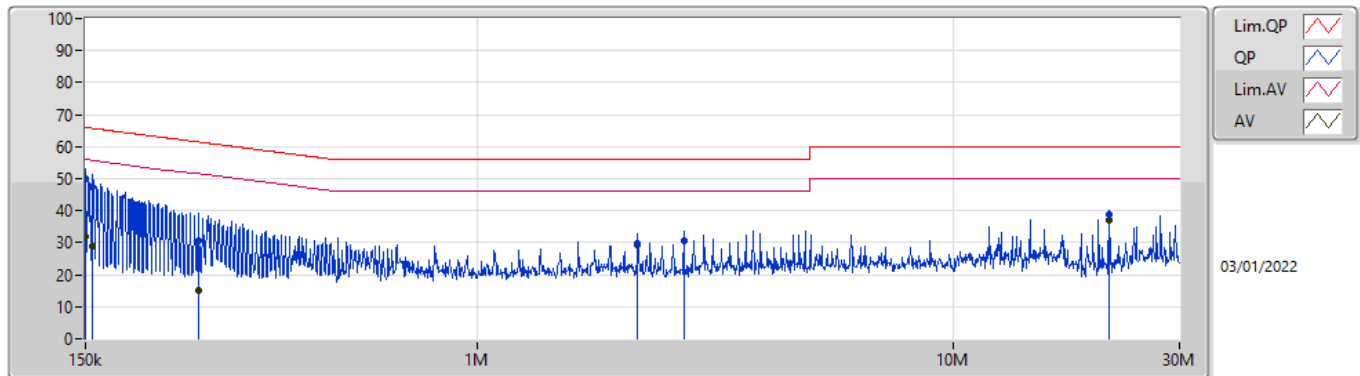
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	150.6k	50.33	65.96	-15.63	Line	-
Mode 1	Pass	AV	150.6k	32.64	55.96	-23.32	Line	-
Mode 1	Pass	QP	173.876k	38.70	64.78	-26.08	Line	-
Mode 1	Pass	AV	173.876k	17.25	54.78	-37.53	Line	-
Mode 1	Pass	QP	270.82k	30.54	61.09	-30.55	Line	-
Mode 1	Pass	AV	270.82k	19.23	51.09	-31.86	Line	-
Mode 1	Pass	QP	573.613k	25.96	56.00	-30.04	Line	-
Mode 1	Pass	AV	573.613k	16.90	46.00	-29.10	Line	-
Mode 1	Pass	QP	3.805M	33.13	56.00	-22.87	Line	-
Mode 1	Pass	AV	3.805M	32.54	46.00	-13.46	Line	-
Mode 1	Pass	QP	24.064M	39.73	60.00	-20.27	Line	-
Mode 1	Pass	AV	24.064M	37.75	50.00	-12.25	Line	-
Mode 1	Pass	QP	150k	50.05	66.00	-15.95	Neutral	-
Mode 1	Pass	AV	150k	32.06	56.00	-23.94	Neutral	-
Mode 1	Pass	QP	154.868k	47.36	65.73	-18.37	Neutral	-
Mode 1	Pass	AV	154.868k	28.73	55.73	-27.00	Neutral	-
Mode 1	Pass	QP	259.185k	30.68	61.45	-30.77	Neutral	-
Mode 1	Pass	AV	259.185k	15.11	51.45	-36.34	Neutral	-
Mode 1	Pass	QP	2.176M	29.55	56.00	-26.45	Neutral	-
Mode 1	Pass	AV	2.176M	29.30	46.00	-16.70	Neutral	-
Mode 1	Pass	QP	2.721M	30.78	56.00	-25.22	Neutral	-
Mode 1	Pass	AV	2.721M	30.55	46.00	-15.45	Neutral	-
Mode 1	Pass	QP	21.348M	38.64	60.00	-21.36	Neutral	-
Mode 1	Pass	AV	21.348M	37.06	50.00	-12.94	Neutral	-
Mode 2	Pass	QP	150k	18.68	66.00	-47.32	Line	-
Mode 2	Pass	AV	150k	17.67	56.00	-38.33	Line	-
Mode 2	Pass	QP	224.49k	13.58	62.65	-49.07	Line	-
Mode 2	Pass	AV	224.49k	13.45	52.65	-39.20	Line	-
Mode 2	Pass	QP	383.278k	13.19	58.20	-45.01	Line	-
Mode 2	Pass	AV	383.278k	12.30	48.20	-35.90	Line	-
Mode 2	Pass	QP	1.544M	13.27	56.00	-42.73	Line	-
Mode 2	Pass	AV	1.544M	12.26	46.00	-33.74	Line	-
Mode 2	Pass	QP	2.265M	24.91	56.00	-31.09	Line	-
Mode 2	Pass	AV	2.265M	14.10	46.00	-31.90	Line	-
Mode 2	Pass	QP	10.448M	15.39	60.00	-44.61	Line	-
Mode 2	Pass	AV	10.448M	14.54	50.00	-35.46	Line	-
Mode 2	Pass	QP	151.202k	18.52	65.92	-47.40	Neutral	-
Mode 2	Pass	AV	151.202k	17.26	55.92	-38.66	Neutral	-
Mode 2	Pass	QP	282.977k	17.35	60.72	-43.37	Neutral	-
Mode 2	Pass	AV	282.977k	12.82	50.72	-37.90	Neutral	-
Mode 2	Pass	QP	425.197k	20.11	57.34	-37.23	Neutral	-
Mode 2	Pass	AV	425.197k	15.87	47.34	-31.47	Neutral	-
Mode 2	Pass	QP	841.502k	13.58	56.00	-42.42	Neutral	-
Mode 2	Pass	AV	841.502k	12.11	46.00	-33.89	Neutral	-
Mode 2	Pass	QP	1.977M	16.92	56.00	-39.08	Neutral	-
Mode 2	Pass	AV	1.977M	12.89	46.00	-33.11	Neutral	-
Mode 2	Pass	QP	11.182M	16.59	60.00	-43.41	Neutral	-
Mode 2	Pass	AV	11.182M	14.87	50.00	-35.13	Neutral	-

Conducted Emissions at Powerline_Mode 1



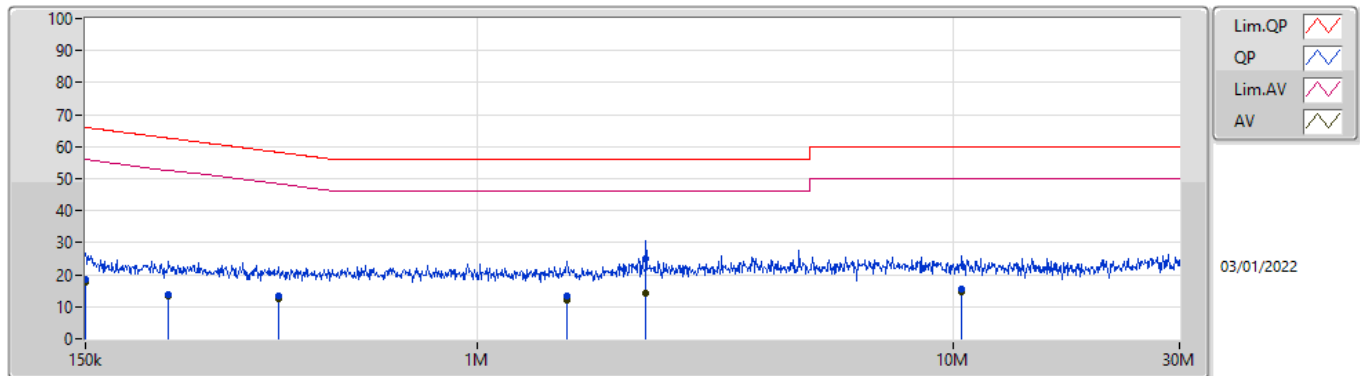
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150.6k	50.33	65.96	-15.63	19.56	Line	-	30.77	9.61	0.04	9.91			
AV	150.6k	32.64	55.96	-23.32	19.56	Line	-	13.08	9.61	0.04	9.91			
QP	173.876k	38.70	64.78	-26.08	19.56	Line	-	19.14	9.61	0.04	9.91			
AV	173.876k	17.25	54.78	-37.53	19.56	Line	-	-2.31	9.61	0.04	9.91			
QP	270.82k	30.54	61.09	-30.55	19.57	Line	-	10.97	9.61	0.05	9.91			
AV	270.82k	19.23	51.09	-31.86	19.57	Line	-	-0.34	9.61	0.05	9.91			
QP	573.613k	25.96	56.00	-30.04	19.58	Line	-	6.38	9.60	0.07	9.91			
AV	573.613k	16.90	46.00	-29.10	19.58	Line	-	-2.68	9.60	0.07	9.91			
QP	3.805M	33.13	56.00	-22.87	19.70	Line	-	13.43	9.64	0.14	9.92			
AV	3.805M	32.54	46.00	-13.46	19.70	Line	-	12.84	9.64	0.14	9.92			
QP	24.064M	39.73	60.00	-20.27	19.98	Line	-	19.75	9.73	0.32	9.93			
AV	24.064M	37.75	50.00	-12.25	19.98	Line	-	17.77	9.73	0.32	9.93			

Conducted Emissions at Powerline_Mode 1



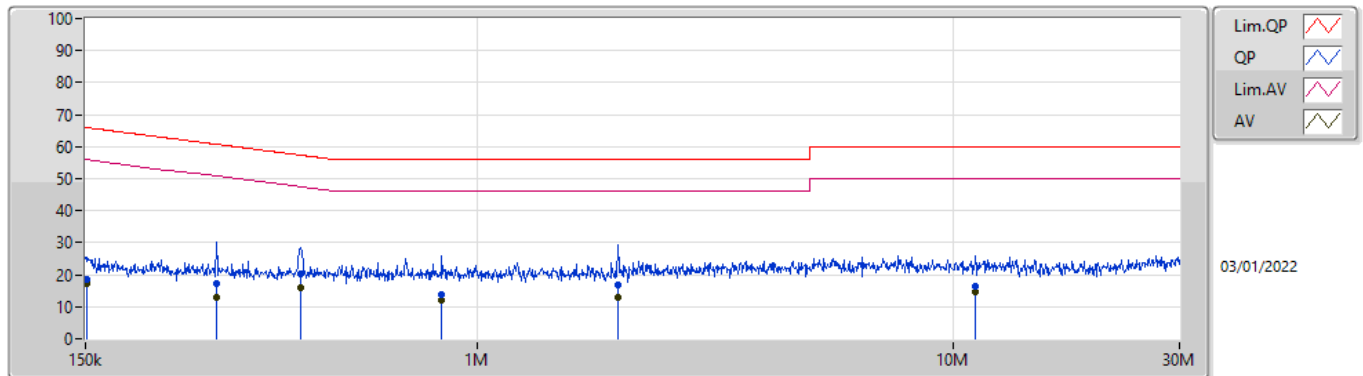
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	50.05	66.00	-15.95	19.55	Neutral	-	30.50	9.60	0.04	9.91			
AV	150k	32.06	56.00	-23.94	19.55	Neutral	-	12.51	9.60	0.04	9.91			
QP	154.868k	47.36	65.73	-18.37	19.55	Neutral	-	27.81	9.60	0.04	9.91			
AV	154.868k	28.73	55.73	-27.00	19.55	Neutral	-	9.18	9.60	0.04	9.91			
QP	259.185k	30.68	61.45	-30.77	19.56	Neutral	-	11.12	9.60	0.05	9.91			
AV	259.185k	15.11	51.45	-36.34	19.56	Neutral	-	-4.45	9.60	0.05	9.91			
QP	2.176M	29.55	56.00	-26.45	19.64	Neutral	-	9.91	9.62	0.10	9.92			
AV	2.176M	29.30	46.00	-16.70	19.64	Neutral	-	9.66	9.62	0.10	9.92			
QP	2.721M	30.78	56.00	-25.22	19.67	Neutral	-	11.11	9.63	0.12	9.92			
AV	2.721M	30.55	46.00	-15.45	19.67	Neutral	-	10.88	9.63	0.12	9.92			
QP	21.348M	38.64	60.00	-21.36	20.13	Neutral	-	18.51	9.89	0.31	9.93			
AV	21.348M	37.06	50.00	-12.94	20.13	Neutral	-	16.93	9.89	0.31	9.93			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	18.68	66.00	-47.32	19.56	Line	-	-0.88	9.61	0.04	9.91			
AV	150k	17.67	56.00	-38.33	19.56	Line	-	-1.89	9.61	0.04	9.91			
QP	224.49k	13.58	62.65	-49.07	19.56	Line	-	-5.98	9.61	0.04	9.91			
AV	224.49k	13.45	52.65	-39.20	19.56	Line	-	-6.11	9.61	0.04	9.91			
QP	383.278k	13.19	58.20	-45.01	19.57	Line	-	-6.38	9.60	0.06	9.91			
AV	383.278k	12.30	48.20	-35.90	19.57	Line	-	-7.27	9.60	0.06	9.91			
QP	1.544M	13.27	56.00	-42.73	19.63	Line	-	-6.36	9.62	0.09	9.92			
AV	1.544M	12.26	46.00	-33.74	19.63	Line	-	-7.37	9.62	0.09	9.92			
QP	2.265M	24.91	56.00	-31.09	19.66	Line	-	5.25	9.63	0.11	9.92			
AV	2.265M	14.10	46.00	-31.90	19.66	Line	-	-5.56	9.63	0.11	9.92			
QP	10.448M	15.39	60.00	-44.61	19.88	Line	-	-4.49	9.74	0.21	9.93			
AV	10.448M	14.54	50.00	-35.46	19.88	Line	-	-5.34	9.74	0.21	9.93			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	151.202k	18.52	65.92	-47.40	19.55	Neutral	-	-1.03	9.60	0.04	9.91			
AV	151.202k	17.26	55.92	-38.66	19.55	Neutral	-	-2.29	9.60	0.04	9.91			
QP	282.977k	17.35	60.72	-43.37	19.56	Neutral	-	-2.21	9.60	0.05	9.91			
AV	282.977k	12.82	50.72	-37.90	19.56	Neutral	-	-6.74	9.60	0.05	9.91			
QP	425.197k	20.11	57.34	-37.23	19.57	Neutral	-	0.54	9.60	0.06	9.91			
AV	425.197k	15.87	47.34	-31.47	19.57	Neutral	-	-3.70	9.60	0.06	9.91			
QP	841.502k	13.58	56.00	-42.42	19.62	Neutral	-	-6.04	9.62	0.08	9.92			
AV	841.502k	12.11	46.00	-33.89	19.62	Neutral	-	-7.51	9.62	0.08	9.92			
QP	1.977M	16.92	56.00	-39.08	19.64	Neutral	-	-2.72	9.62	0.10	9.92			
AV	1.977M	12.89	46.00	-33.11	19.64	Neutral	-	-6.75	9.62	0.10	9.92			
QP	11.182M	16.59	60.00	-43.41	19.93	Neutral	-	-3.34	9.79	0.21	9.93			
AV	11.182M	14.87	50.00	-35.13	19.93	Neutral	-	-5.06	9.79	0.21	9.93			



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
110-148kHz	Pass	PK	687.3k	57.95	70.87	-12.92	20.69	3	Horizontal	0	1.00	-

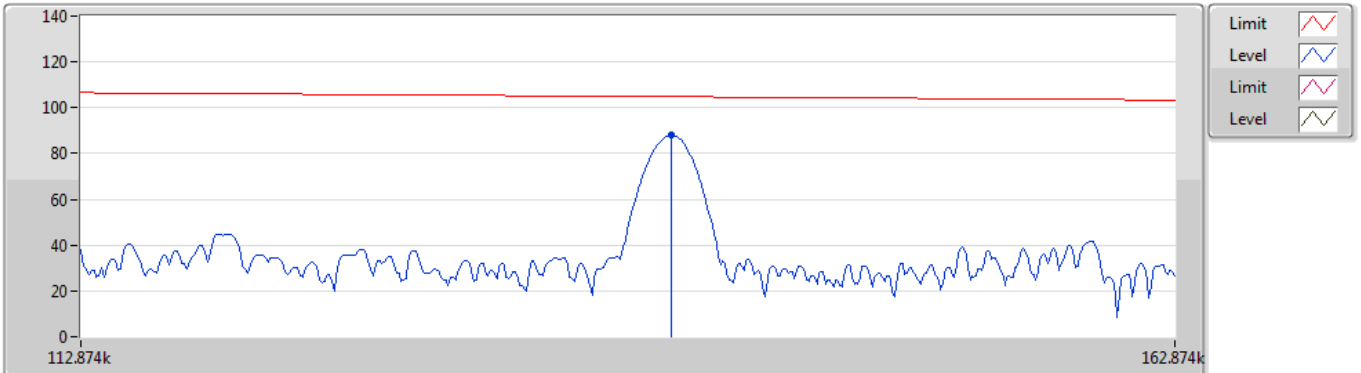
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
110-148kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.136MHz_Adapter	Pass	PK	137.574k	87.82	104.81	-16.99	20.31	3	Horizontal	197	1.00	-
0.136MHz_Adapter	Pass	PK	9.846k	64.97	127.72	-62.75	19.44	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	34.944k	59.66	116.73	-57.07	21.43	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	132.516k	86.87	105.15	-18.28	20.29	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	150k	85.54	104.07	-18.53	20.36	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	388.8k	68.17	95.80	-27.63	20.72	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	687.3k	57.95	70.87	-12.92	20.69	3	Horizontal	0	1.00	-

110-148kHz

30/12/2021

0.136MHz_Adapter

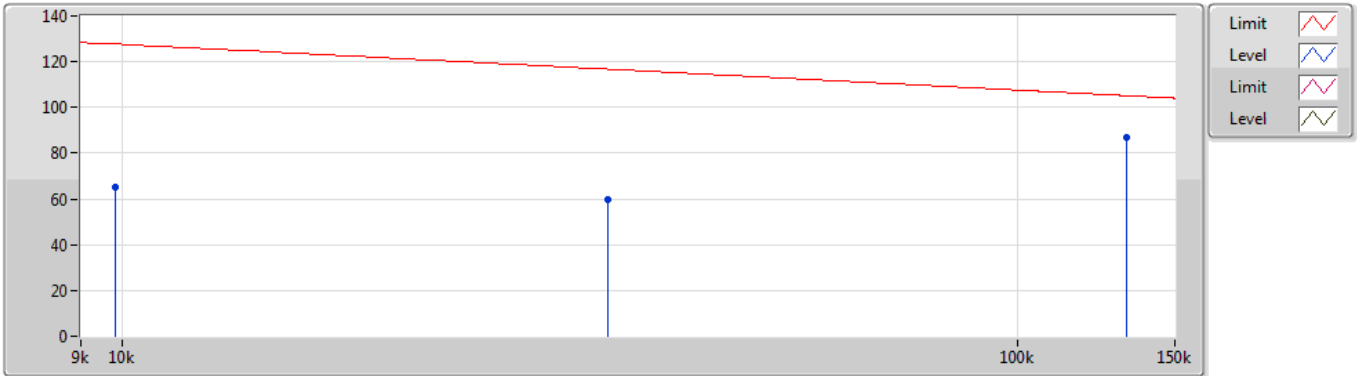


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	137.574k	87.82	104.81	-16.99	20.31	3	Horizontal	197	1.00	-	67.51	20.07	0.24	-

110-148kHz

30/12/2021

0.136MHz_Adapter

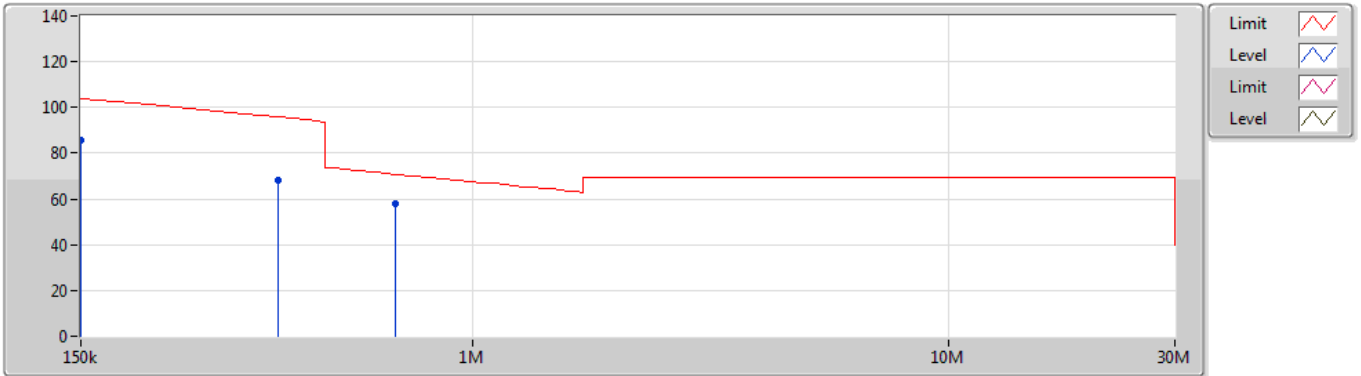


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	9.846k	64.97	127.72	-62.75	19.44	3	Horizontal	360	1.00	-	45.53	19.24	0.20	-
PK	34.944k	59.66	116.73	-57.07	21.43	3	Horizontal	360	1.00	-	38.23	21.21	0.22	-
PK	132.516k	86.87	105.15	-18.28	20.29	3	Horizontal	360	1.00	-	66.58	20.05	0.24	-

110-148kHz

30/12/2021

0.136MHz_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	150k	85.54	104.07	-18.53	20.36	3	Horizontal	0	1.00	-	65.18	20.12	0.24	-
PK	388.8k	68.17	95.80	-27.63	20.72	3	Horizontal	0	1.00	-	47.45	20.45	0.27	-
PK	687.3k	57.95	70.87	-12.92	20.69	3	Horizontal	0	1.00	-	37.26	20.40	0.29	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
110-148kHz	Pass	PK	30M	36.14	40.00	-3.86	-2.87	3	Vertical	360	1.00	-

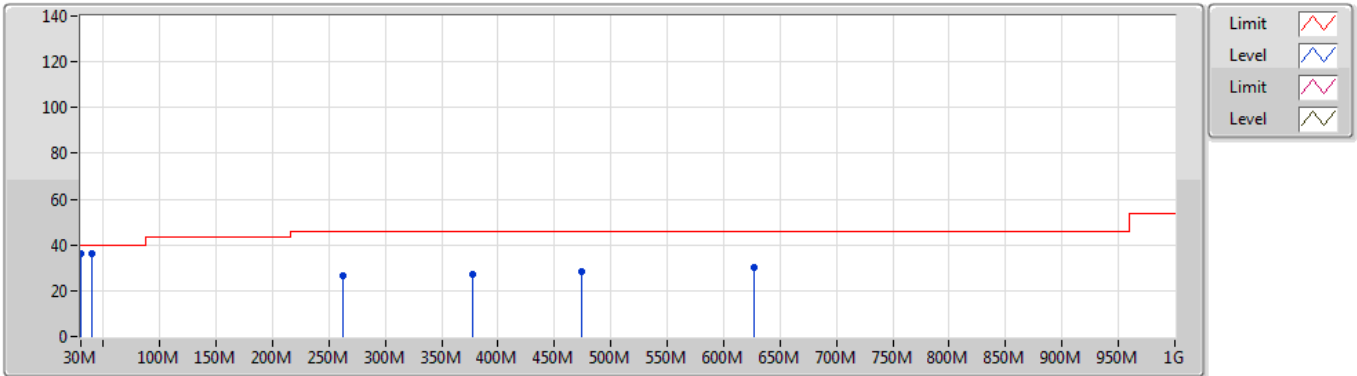
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
110-148kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.136MHz_Adapter	Pass	PK	30M	36.14	40.00	-3.86	-2.87	3	Vertical	360	1.00	-
0.136MHz_Adapter	Pass	PK	39.7M	36.00	40.00	-4.00	-8.49	3	Vertical	360	1.00	-
0.136MHz_Adapter	Pass	PK	262.8M	26.56	46.00	-19.44	-6.16	3	Vertical	360	1.00	-
0.136MHz_Adapter	Pass	PK	377.26M	27.07	46.00	-18.93	-4.83	3	Vertical	360	1.00	-
0.136MHz_Adapter	Pass	PK	474.26M	28.42	46.00	-17.58	-2.63	3	Vertical	360	1.00	-
0.136MHz_Adapter	Pass	PK	627.52M	30.16	46.00	-15.84	-0.57	3	Vertical	360	1.00	-
0.136MHz_Adapter	Pass	PK	30M	31.49	40.00	-8.51	-2.87	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	39.7M	32.23	40.00	-7.77	-8.49	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	163.86M	32.04	43.50	-11.46	-10.61	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	350.1M	25.73	46.00	-20.27	-5.19	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	472.32M	27.89	46.00	-18.11	-2.66	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	610.06M	30.65	46.00	-15.35	-0.93	3	Horizontal	0	1.00	-

110-148kHz

30/12/2021

0.136MHz_Adapter

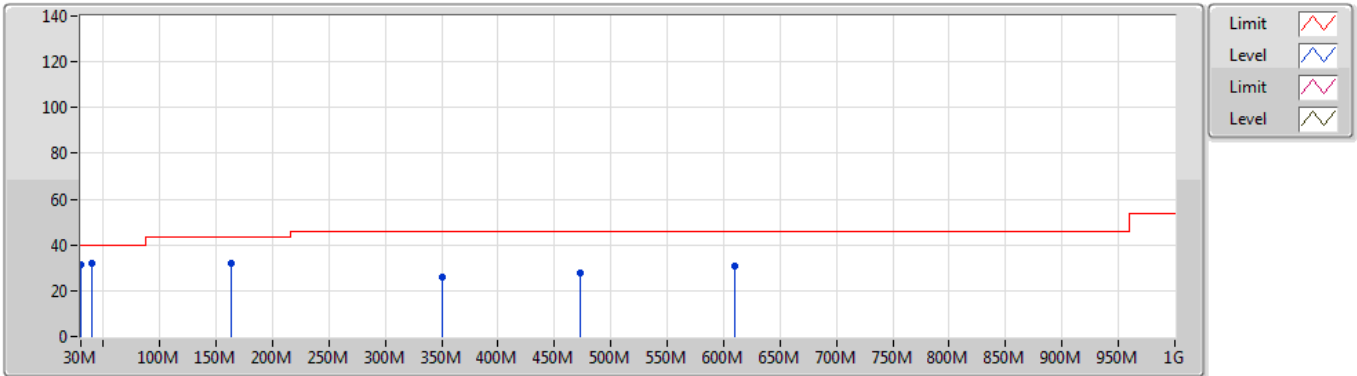


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	36.14	40.00	-3.86	-2.87	3	Vertical	360	1.00	-	39.01	23.26	0.86	26.99
PK	39.7M	36.00	40.00	-4.00	-8.49	3	Vertical	360	1.00	-	44.49	17.92	0.96	27.37
PK	262.8M	26.56	46.00	-19.44	-6.16	3	Vertical	360	1.00	-	32.72	18.67	2.20	27.03
PK	377.26M	27.07	46.00	-18.93	-4.83	3	Vertical	360	1.00	-	31.90	20.10	2.65	27.58
PK	474.26M	28.42	46.00	-17.58	-2.63	3	Vertical	360	1.00	-	31.05	22.59	2.99	28.21
PK	627.52M	30.16	46.00	-15.84	-0.57	3	Vertical	360	1.00	-	30.73	24.32	3.41	28.30

110-148kHz

30/12/2021

0.136MHz_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	30M	31.49	40.00	-8.51	-2.87	3	Horizontal	0	1.00	-	34.36	23.26	0.86	26.99
PK	39.7M	32.23	40.00	-7.77	-8.49	3	Horizontal	0	1.00	-	40.72	17.92	0.96	27.37
PK	163.86M	32.04	43.50	-11.46	-10.61	3	Horizontal	0	1.00	-	42.65	15.11	1.79	27.51
PK	350.1M	25.73	46.00	-20.27	-5.19	3	Horizontal	0	1.00	-	30.92	19.59	2.55	27.33
PK	472.32M	27.89	46.00	-18.11	-2.66	3	Horizontal	0	1.00	-	30.55	22.55	2.98	28.19
PK	610.06M	30.65	46.00	-15.35	-0.93	3	Horizontal	0	1.00	-	31.58	24.06	3.39	28.38



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
110-148kHz	Pass	PK	627.6k	58.19	71.65	-13.46	20.69	3	Horizontal	360	1.00	-

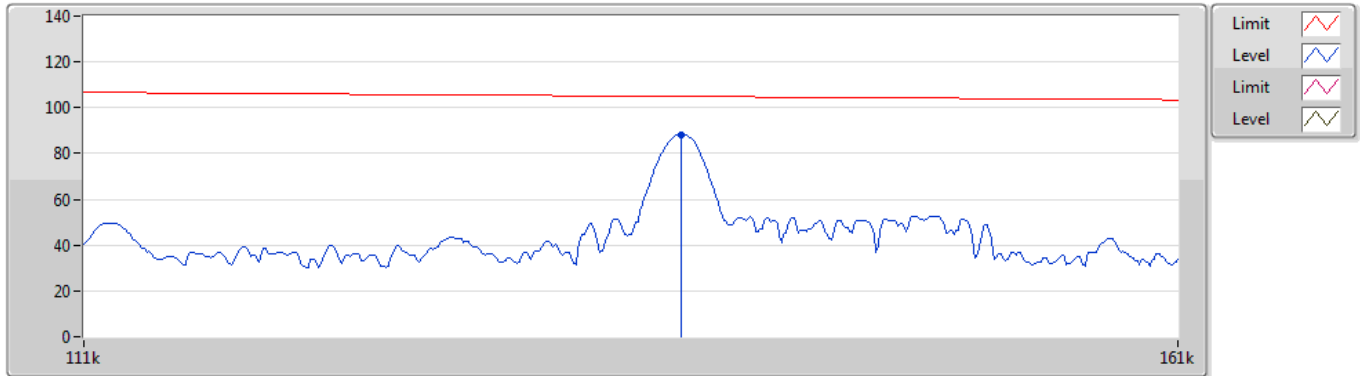
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
110-148kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.136MHz_Adapter	Pass	PK	136k	88.21	104.91	-16.70	20.31	3	Horizontal	194	1.00	-
0.136MHz_Adapter	Pass	PK	9.846k	69.92	127.72	-57.80	19.44	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	29.868k	60.01	118.09	-58.08	21.50	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	90.216k	65.35	108.49	-43.14	20.29	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	150k	82.62	104.07	-21.45	20.36	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	388.8k	69.03	95.80	-26.77	20.72	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	627.6k	58.19	71.65	-13.46	20.69	3	Horizontal	360	1.00	-

110-148kHz

30/12/2021

0.136MHz_Adapter

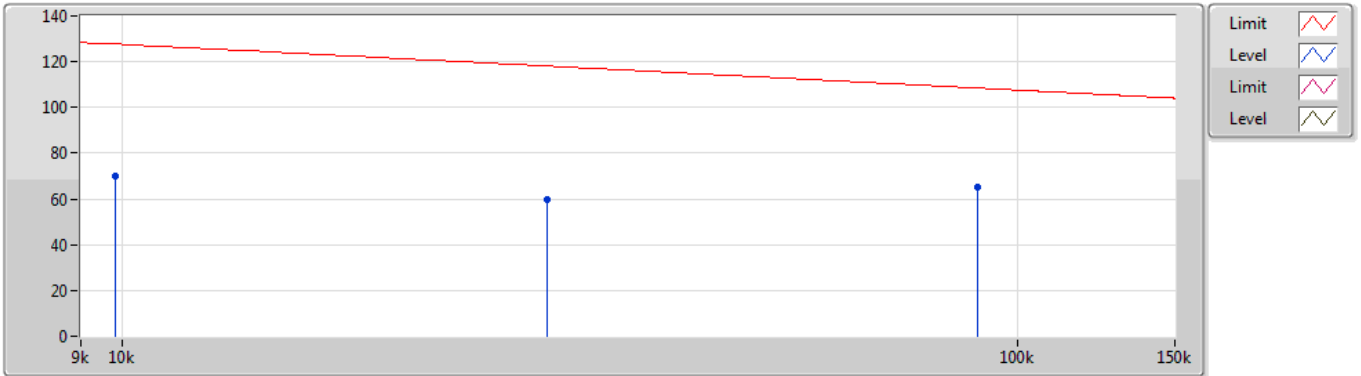


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	136k	88.21	104.91	-16.70	20.31	3	Horizontal	194	1.00	-	67.90	20.07	0.24	-

110-148kHz

30/12/2021

0.136MHz_Adapter

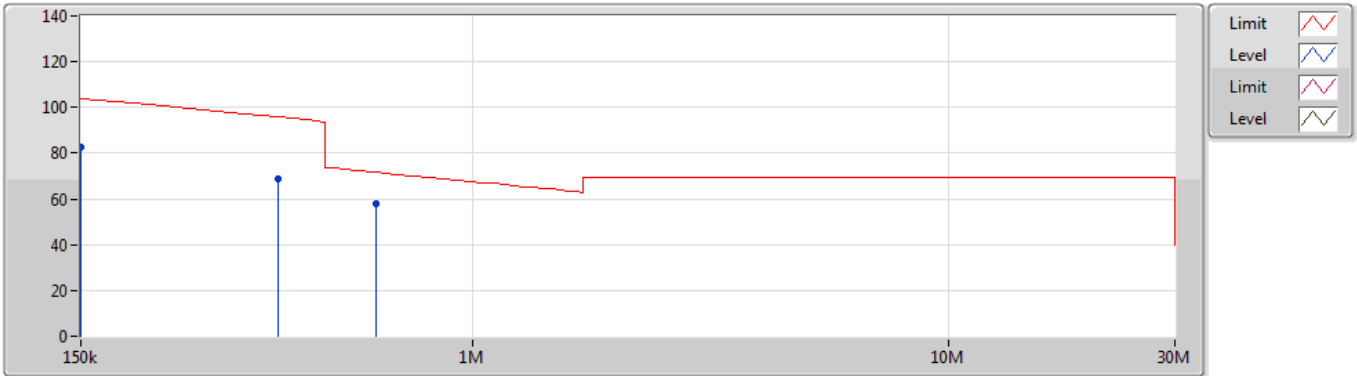


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	9.846k	69.92	127.72	-57.80	19.44	3	Horizontal	0	1.00	-	50.48	19.24	0.20	-
PK	29.868k	60.01	118.09	-58.08	21.50	3	Horizontal	0	1.00	-	38.51	21.29	0.21	-
PK	90.216k	65.35	108.49	-43.14	20.29	3	Horizontal	0	1.00	-	45.06	20.06	0.23	-

110-148kHz

30/12/2021

0.136MHz_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	150k	82.62	104.07	-21.45	20.36	3	Horizontal	360	1.00	-	62.26	20.12	0.24	-
PK	388.8k	69.03	95.80	-26.77	20.72	3	Horizontal	360	1.00	-	48.31	20.45	0.27	-
PK	627.6k	58.19	71.65	-13.46	20.69	3	Horizontal	360	1.00	-	37.50	20.40	0.29	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
110-148kHz	Pass	PK	39.7M	35.70	40.00	-4.30	-8.49	3	Horizontal	360	1.00	-

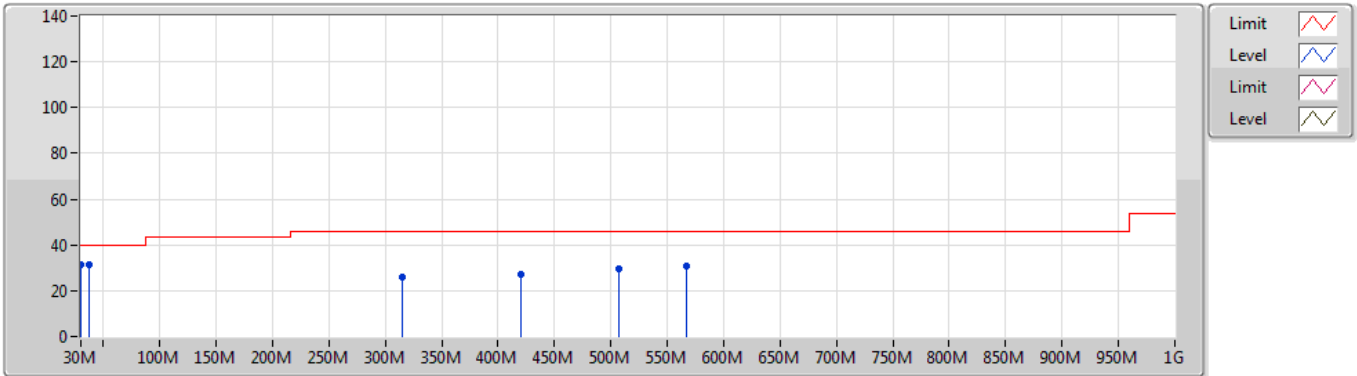
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
110-148kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.136MHz_Adapter	Pass	PK	315.18M	25.84	46.00	-20.16	-5.96	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	419.94M	27.41	46.00	-18.59	-3.30	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	507.24M	29.36	46.00	-16.64	-2.55	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	567.38M	30.82	46.00	-15.18	-1.18	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	QP	30M	31.28	40.00	-8.72	-2.87	3	Vertical	75	1.00	-
0.136MHz_Adapter	Pass	QP	37.76M	31.09	40.00	-8.91	-7.31	3	Vertical	360	1.45	-
0.136MHz_Adapter	Pass	PK	39.7M	35.70	40.00	-4.30	-8.49	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	64.92M	28.33	40.00	-11.67	-15.19	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	130.88M	31.07	43.50	-12.43	-9.00	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	161.92M	31.39	43.50	-12.11	-10.63	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	224M	29.66	46.00	-16.34	-10.44	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	561.56M	29.97	46.00	-16.03	-1.12	3	Horizontal	360	1.00	-

110-148kHz

30/12/2021

0.136MHz_Adapter

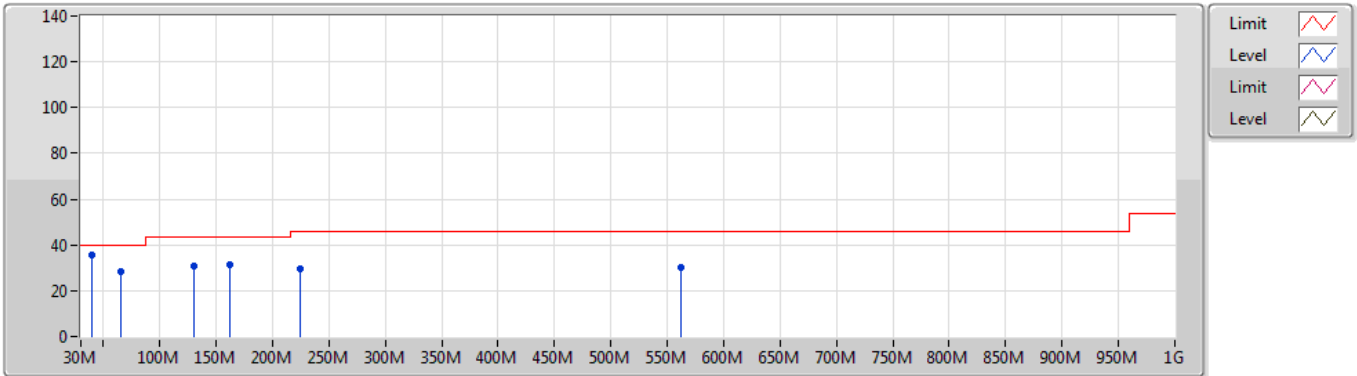


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	315.18M	25.84	46.00	-20.16	-5.96	3	Vertical	0	1.00	-	31.80	18.76	2.42	27.14
PK	419.94M	27.41	46.00	-18.59	-3.30	3	Vertical	0	1.00	-	30.71	21.80	2.80	27.90
PK	507.24M	29.36	46.00	-16.64	-2.55	3	Vertical	0	1.00	-	31.91	22.70	3.10	28.35
PK	567.38M	30.82	46.00	-15.18	-1.18	3	Vertical	0	1.00	-	32.00	23.93	3.25	28.36
QP	30M	31.28	40.00	-8.72	-2.87	3	Vertical	75	1.00	-	34.15	23.26	0.86	26.99
QP	37.76M	31.09	40.00	-8.91	-7.31	3	Vertical	360	1.45	-	38.40	19.02	0.94	27.27

110-148kHz

30/12/2021

0.136MHz_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	39.7M	35.70	40.00	-4.30	-8.49	3	Horizontal	360	1.00	-	44.19	17.92	0.96	27.37
PK	64.92M	28.33	40.00	-11.67	-15.19	3	Horizontal	360	1.00	-	43.52	11.43	1.18	27.80
PK	130.88M	31.07	43.50	-12.43	-9.00	3	Horizontal	360	1.00	-	40.07	17.10	1.59	27.69
PK	161.92M	31.39	43.50	-12.11	-10.63	3	Horizontal	360	1.00	-	42.02	15.10	1.78	27.51
PK	224M	29.66	46.00	-16.34	-10.44	3	Horizontal	360	1.00	-	40.10	14.69	2.05	27.18
PK	561.56M	29.97	46.00	-16.03	-1.12	3	Horizontal	360	1.00	-	31.09	24.00	3.23	28.35

Summary

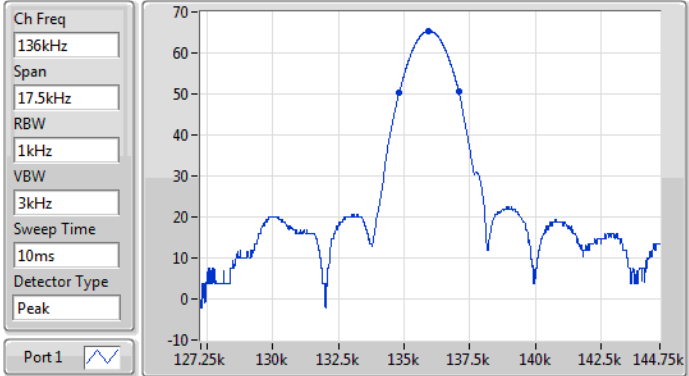
Mode	15dB (Hz)	FI-15dB (Hz)	Fh-15dB (Hz)	OBW (Hz)	Limit (Range)
WPT	-	-	-	-	-
110-148kHz	2.266k	134.81875k	137.08500k	2.256k	-

Result

Mode	Result	15dB (Hz)	FI-15dB (Hz)	Fh-15dB (Hz)	OBW (Hz)	FI-OBW (Hz)	Fh-OBW (Hz)	Limit (Range)
110-148kHz	-	-	-	-	-	-	-	-
0.136MHz_TnomVnom	Pass	2.266k	134.81875k	137.08500k	2.256k	134.83683k	137.09320k	-

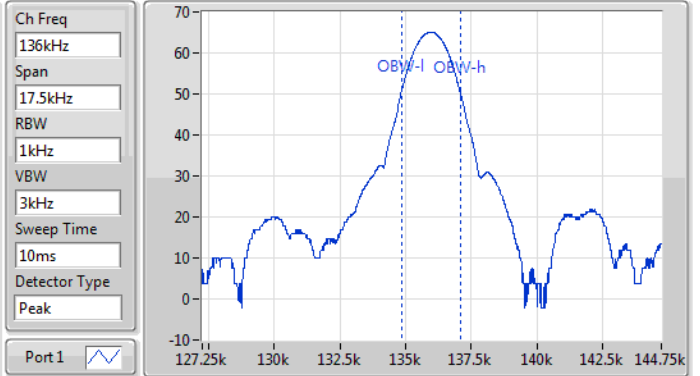
WPC

0.136MHz_TnomVnom



EBW

05/01/2022



15dB(Hz)	Fl-15dB(Hz)	Fh-15dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Range)
2.266k	134.81875k	137.08500k	2.256k	134.83683k	137.09320k	-

Summary

Mode	15dB (Hz)	FI-15dB (Hz)	Fh-15dB (Hz)	OBW (Hz)	Limit (Range)
WPT	-	-	-	-	-
110-148kHz	2.284k	134.82750k	137.11125k	2.221k	-

Result

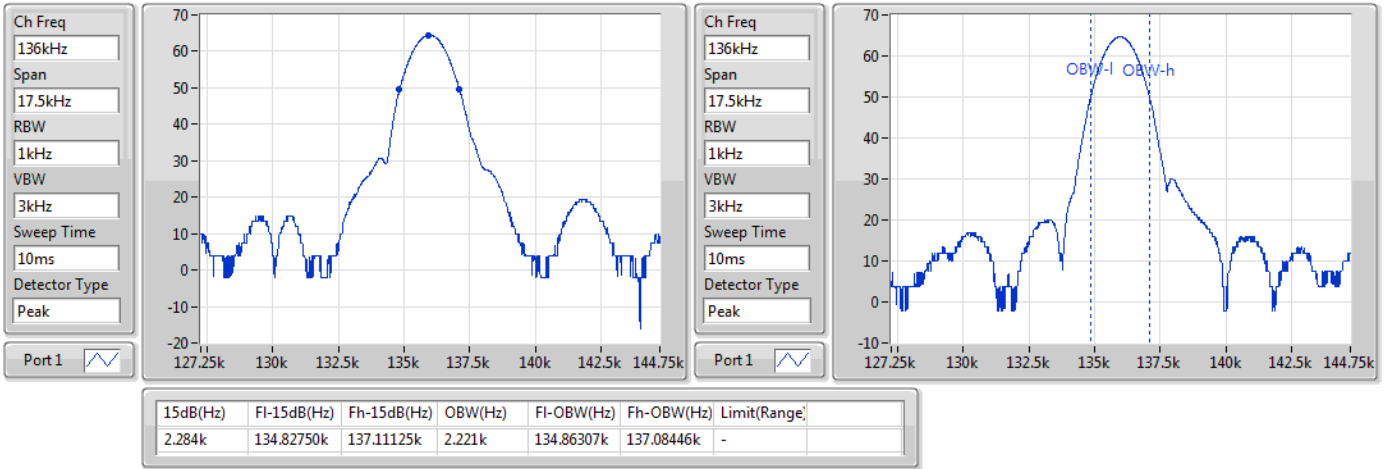
Mode	Result	15dB (Hz)	FI-15dB (Hz)	Fh-15dB (Hz)	OBW (Hz)	FI-OBW (Hz)	Fh-OBW (Hz)	Limit (Range)
110-148kHz	-	-	-	-	-	-	-	-
0.136MHz_TnomVnom	Pass	2.284k	134.82750k	137.11125k	2.221k	134.86307k	137.08446k	-

WPC

0.136MHz_TnomVnom

EBW

05/01/2022





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
110-148kHz	Pass	PK	687.3k	58.47	70.87	-12.40	20.69	3	Horizontal	0	1.00	-

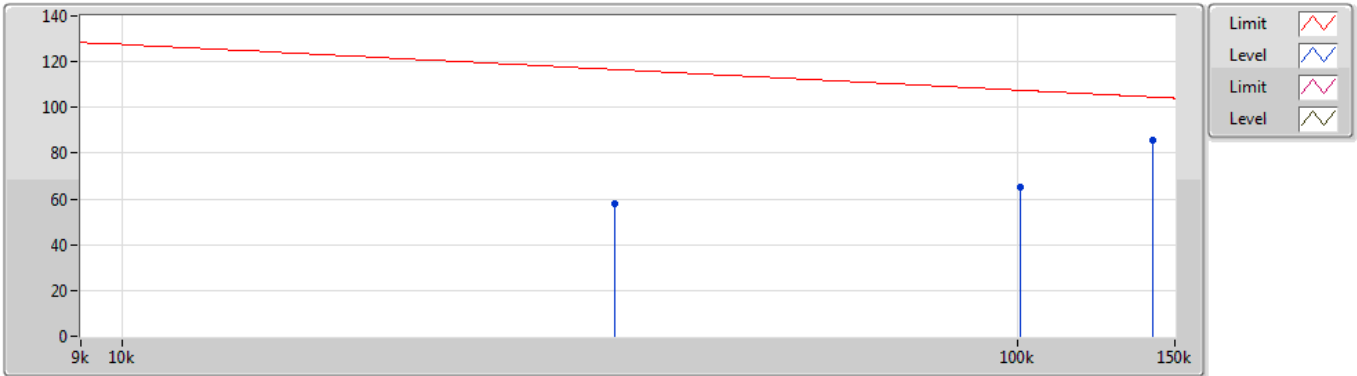
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
110-148kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.136MHz_Adapter	Pass	PK	35.508k	58.03	116.59	-58.56	21.42	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	100.932k	65.13	107.51	-42.38	20.14	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	141.822k	85.45	104.55	-19.10	20.33	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	388.8k	67.20	95.80	-28.60	20.72	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	687.3k	58.47	70.87	-12.40	20.69	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	3.016M	43.95	69.50	-25.55	20.53	3	Horizontal	0	1.00	-

110-148kHz

30/12/2021

0.136MHz_Adapter

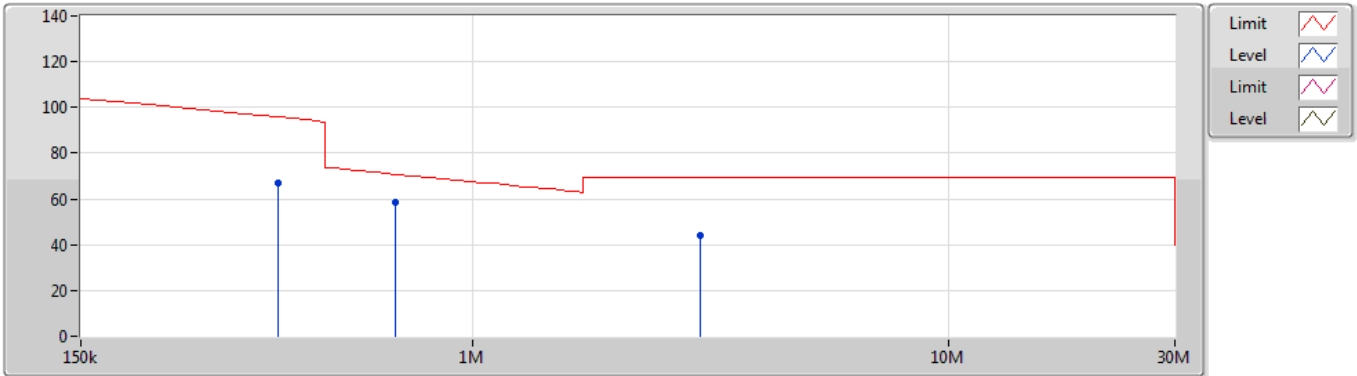


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	35.508k	58.03	116.59	-58.56	21.42	3	Horizontal	360	1.00	-	36.61	21.20	0.22	-
PK	100.932k	65.13	107.51	-42.38	20.14	3	Horizontal	360	1.00	-	44.99	19.91	0.23	-
PK	141.822k	85.45	104.55	-19.10	20.33	3	Horizontal	360	1.00	-	65.12	20.09	0.24	-

110-148kHz

30/12/2021

0.136MHz_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	388.8k	67.20	95.80	-28.60	20.72	3	Horizontal	0	1.00	-	46.48	20.45	0.27	-
PK	687.3k	58.47	70.87	-12.40	20.69	3	Horizontal	0	1.00	-	37.78	20.40	0.29	-
PK	3.016M	43.95	69.50	-25.55	20.53	3	Horizontal	0	1.00	-	23.42	20.10	0.43	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
110-148kHz	Pass	PK	30M	31.15	40.00	-8.85	-2.87	3	Vertical	0	1.00	-

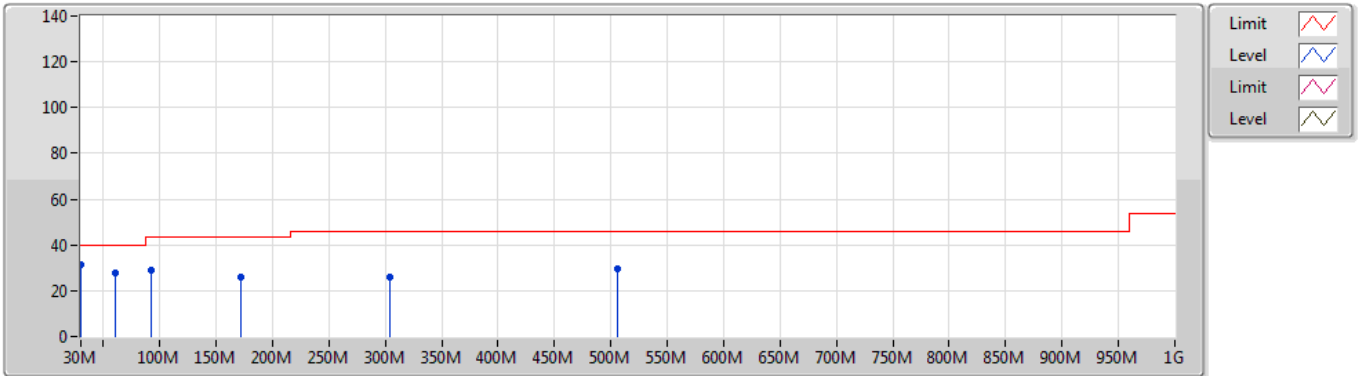
**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
110-148kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.136MHz_Adapter	Pass	PK	30M	31.15	40.00	-8.85	-2.87	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	61.04M	27.68	40.00	-12.32	-15.11	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	92.08M	29.05	43.50	-14.45	-11.89	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	171.62M	25.68	43.50	-17.82	-10.85	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	303.54M	25.80	46.00	-20.20	-6.24	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	505.3M	29.38	46.00	-16.62	-2.54	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	30M	27.15	40.00	-12.85	-2.87	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	66.86M	23.04	40.00	-16.96	-15.21	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	92.08M	24.72	43.50	-18.78	-11.89	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	177.44M	23.57	43.50	-19.93	-10.99	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	371.44M	29.68	46.00	-16.32	-4.88	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	433.52M	28.41	46.00	-17.59	-3.36	3	Horizontal	360	1.00	-

110-148kHz

30/12/2021

0.136MHz_Adapter

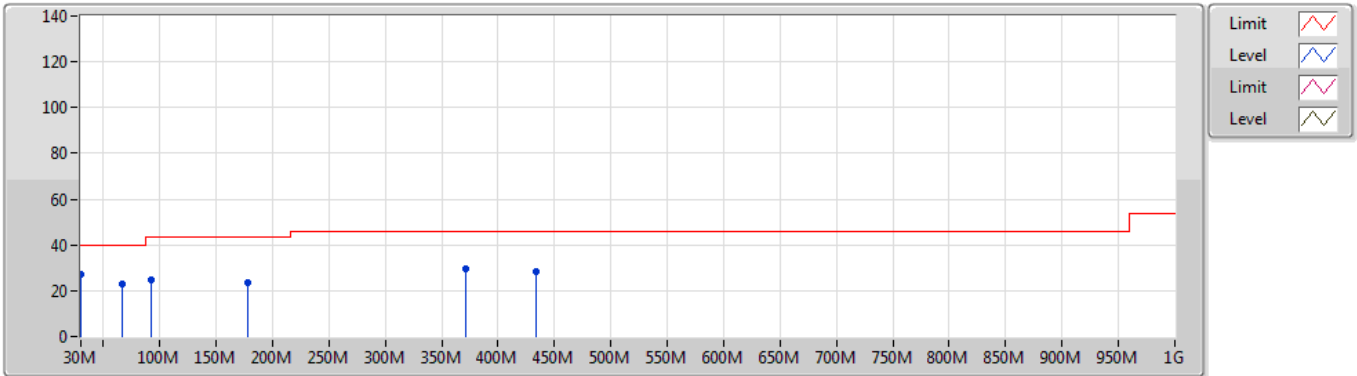


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	31.15	40.00	-8.85	-2.87	3	Vertical	0	1.00	-	34.02	23.26	0.86	26.99
PK	61.04M	27.68	40.00	-12.32	-15.11	3	Vertical	0	1.00	-	42.79	11.52	1.15	27.78
PK	92.08M	29.05	43.50	-14.45	-11.89	3	Vertical	0	1.00	-	40.94	14.55	1.37	27.81
PK	171.62M	25.68	43.50	-17.82	-10.85	3	Vertical	0	1.00	-	36.53	14.82	1.82	27.49
PK	303.54M	25.80	46.00	-20.20	-6.24	3	Vertical	0	1.00	-	32.04	18.47	2.37	27.08
PK	505.3M	29.38	46.00	-16.62	-2.54	3	Vertical	0	1.00	-	31.92	22.72	3.09	28.35

110-148kHz

30/12/2021

0.136MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	27.15	40.00	-12.85	-2.87	3	Horizontal	360	1.00	-	30.02	23.26	0.86	26.99
PK	66.86M	23.04	40.00	-16.96	-15.21	3	Horizontal	360	1.00	-	38.25	11.43	1.19	27.83
PK	92.08M	24.72	43.50	-18.78	-11.89	3	Horizontal	360	1.00	-	36.61	14.55	1.37	27.81
PK	177.44M	23.57	43.50	-19.93	-10.99	3	Horizontal	360	1.00	-	34.56	14.63	1.85	27.47
PK	371.44M	29.68	46.00	-16.32	-4.88	3	Horizontal	360	1.00	-	34.56	20.01	2.63	27.52
PK	433.52M	28.41	46.00	-17.59	-3.36	3	Horizontal	360	1.00	-	31.77	21.76	2.85	27.97



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
110-148kHz	Pass	PK	687.3k	58.47	70.87	-12.40	20.69	3	Horizontal	0	1.00	-



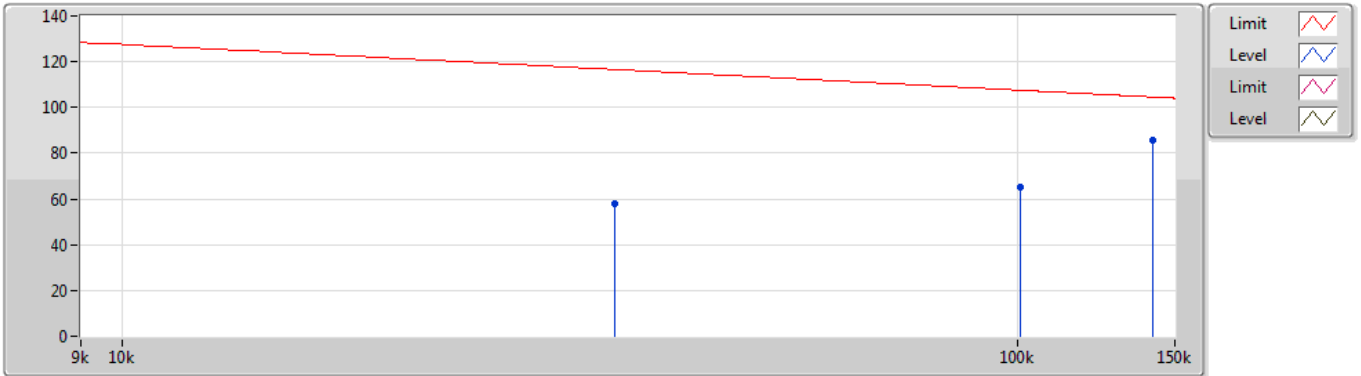
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
110-148kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.136MHz_Adapter	Pass	PK	35.508k	58.03	116.59	-58.56	21.42	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	100.932k	65.13	107.51	-42.38	20.14	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	141.822k	85.45	104.55	-19.10	20.33	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	388.8k	67.20	95.80	-28.60	20.72	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	687.3k	58.47	70.87	-12.40	20.69	3	Horizontal	0	1.00	-
0.136MHz_Adapter	Pass	PK	3.016M	43.95	69.50	-25.55	20.53	3	Horizontal	0	1.00	-

110-148kHz

30/12/2021

0.136MHz_Adapter

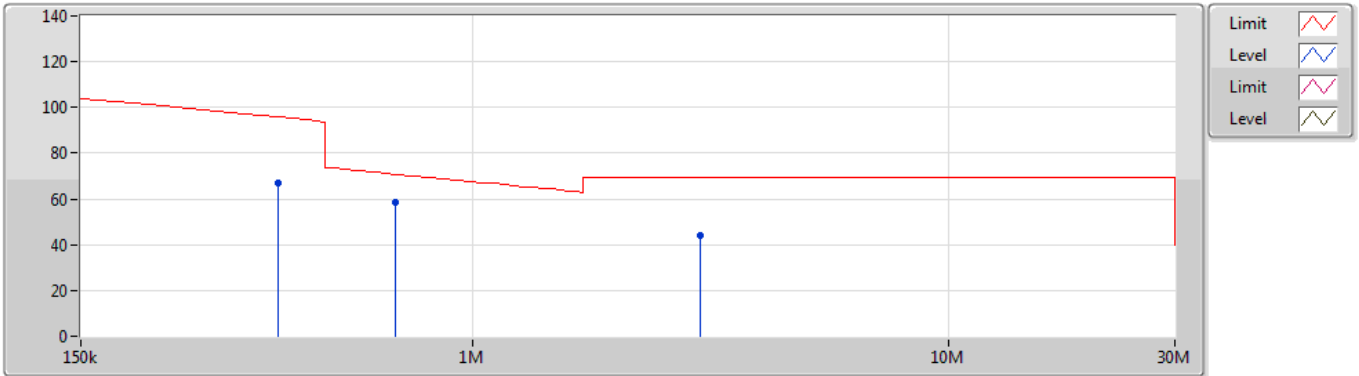


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	35.508k	58.03	116.59	-58.56	21.42	3	Horizontal	360	1.00	-	36.61	21.20	0.22	-
PK	100.932k	65.13	107.51	-42.38	20.14	3	Horizontal	360	1.00	-	44.99	19.91	0.23	-
PK	141.822k	85.45	104.55	-19.10	20.33	3	Horizontal	360	1.00	-	65.12	20.09	0.24	-

110-148kHz

30/12/2021

0.136MHz_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	388.8k	67.20	95.80	-28.60	20.72	3	Horizontal	0	1.00	-	46.48	20.45	0.27	-
PK	687.3k	58.47	70.87	-12.40	20.69	3	Horizontal	0	1.00	-	37.78	20.40	0.29	-
PK	3.016M	43.95	69.50	-25.55	20.53	3	Horizontal	0	1.00	-	23.42	20.10	0.43	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
WPT	-	-	-	-	-	-	-	-	-	-	-	-
110-148kHz	Pass	PK	30M	31.15	40.00	-8.85	-2.87	3	Vertical	0	1.00	-

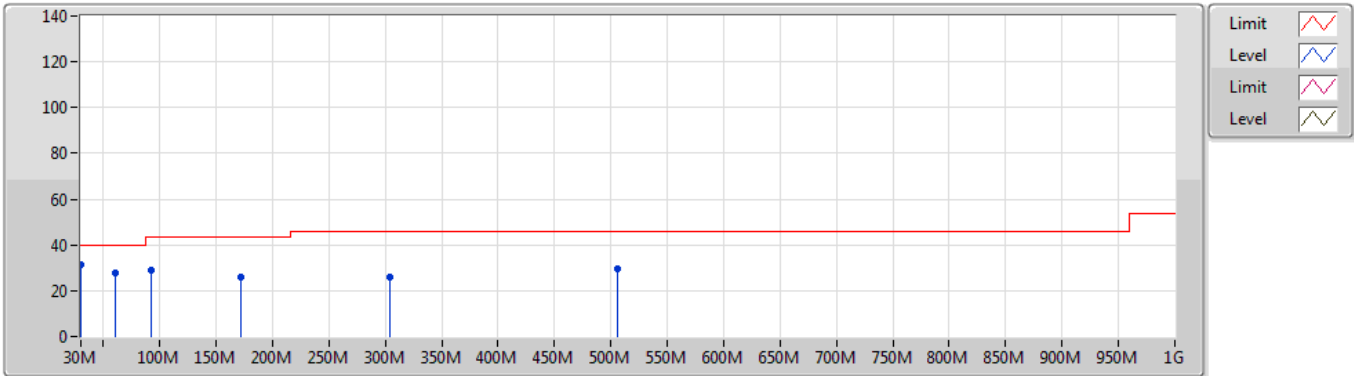
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
110-148kHz	-	-	-	-	-	-	-	-	-	-	-	-
0.136MHz_Adapter	Pass	PK	30M	31.15	40.00	-8.85	-2.87	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	61.04M	27.68	40.00	-12.32	-15.11	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	92.08M	29.05	43.50	-14.45	-11.89	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	171.62M	25.68	43.50	-17.82	-10.85	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	303.54M	25.80	46.00	-20.20	-6.24	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	505.3M	29.38	46.00	-16.62	-2.54	3	Vertical	0	1.00	-
0.136MHz_Adapter	Pass	PK	30M	27.15	40.00	-12.85	-2.87	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	66.86M	23.04	40.00	-16.96	-15.21	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	92.08M	24.72	43.50	-18.78	-11.89	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	177.44M	23.57	43.50	-19.93	-10.99	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	371.44M	29.68	46.00	-16.32	-4.88	3	Horizontal	360	1.00	-
0.136MHz_Adapter	Pass	PK	433.52M	28.41	46.00	-17.59	-3.36	3	Horizontal	360	1.00	-

110-148kHz

30/12/2021

0.136MHz_Adapter

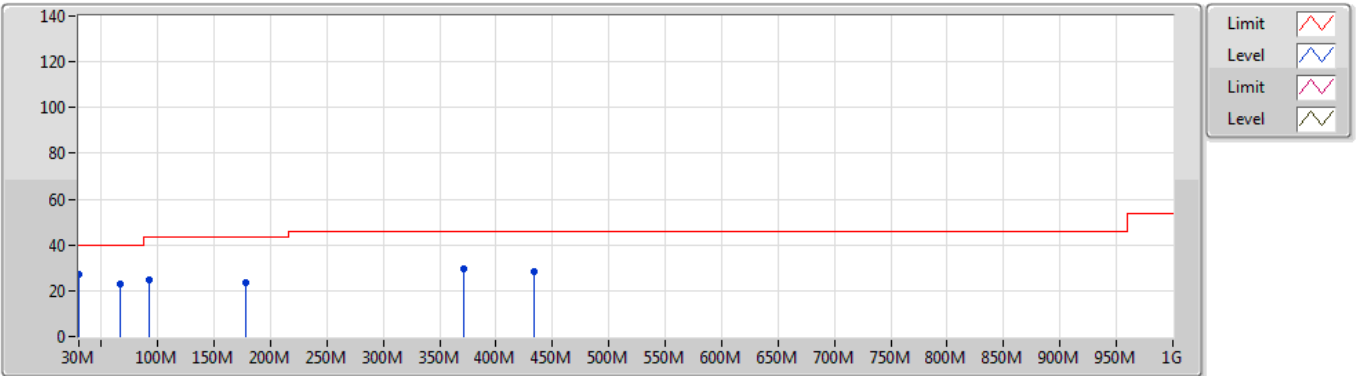


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	31.15	40.00	-8.85	-2.87	3	Vertical	0	1.00	-	34.02	23.26	0.86	26.99
PK	61.04M	27.68	40.00	-12.32	-15.11	3	Vertical	0	1.00	-	42.79	11.52	1.15	27.78
PK	92.08M	29.05	43.50	-14.45	-11.89	3	Vertical	0	1.00	-	40.94	14.55	1.37	27.81
PK	171.62M	25.68	43.50	-17.82	-10.85	3	Vertical	0	1.00	-	36.53	14.82	1.82	27.49
PK	303.54M	25.80	46.00	-20.20	-6.24	3	Vertical	0	1.00	-	32.04	18.47	2.37	27.08
PK	505.3M	29.38	46.00	-16.62	-2.54	3	Vertical	0	1.00	-	31.92	22.72	3.09	28.35

110-148kHz

30/12/2021

0.136MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	27.15	40.00	-12.85	-2.87	3	Horizontal	360	1.00	-	30.02	23.26	0.86	26.99
PK	66.86M	23.04	40.00	-16.96	-15.21	3	Horizontal	360	1.00	-	38.25	11.43	1.19	27.83
PK	92.08M	24.72	43.50	-18.78	-11.89	3	Horizontal	360	1.00	-	36.61	14.55	1.37	27.81
PK	177.44M	23.57	43.50	-19.93	-10.99	3	Horizontal	360	1.00	-	34.56	14.63	1.85	27.47
PK	371.44M	29.68	46.00	-16.32	-4.88	3	Horizontal	360	1.00	-	34.56	20.01	2.63	27.52
PK	433.52M	28.41	46.00	-17.59	-3.36	3	Horizontal	360	1.00	-	31.77	21.76	2.85	27.97

1. Photographs of Conducted Emissions Test Configuration-TX

10W

Front View



Side View



Under Table View



50W

Front View



Side View



Under Table View



2. Photographs of Conducted Emissions Test Configuration-RX

10W

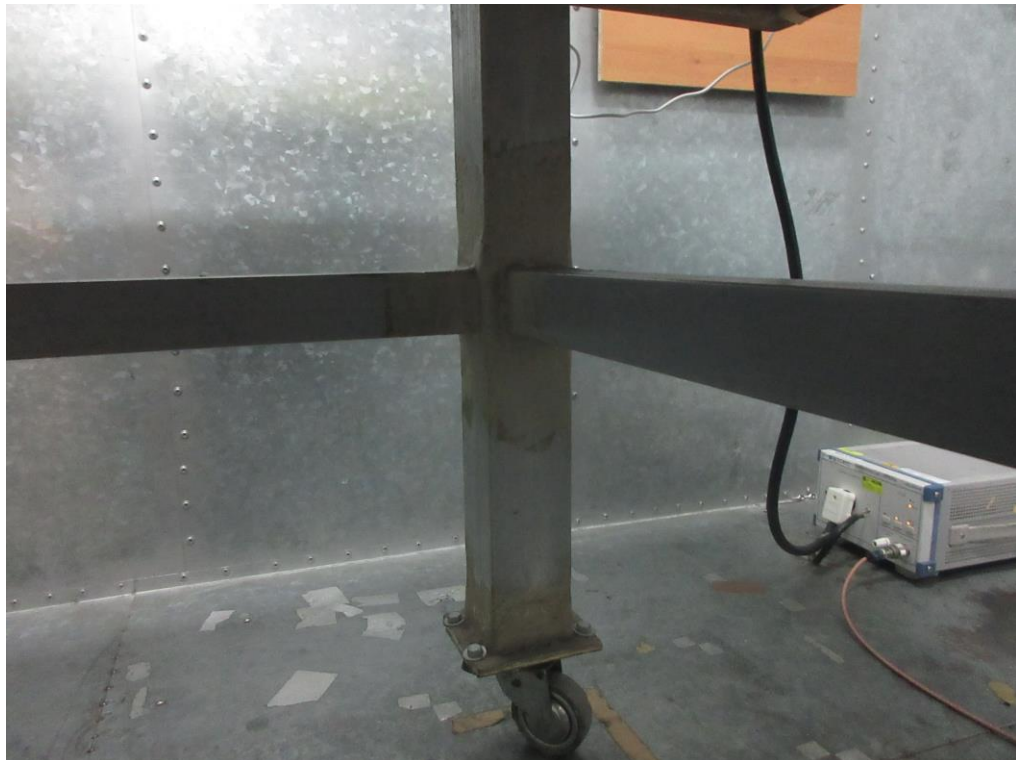
Front View



Side View



Under Table View

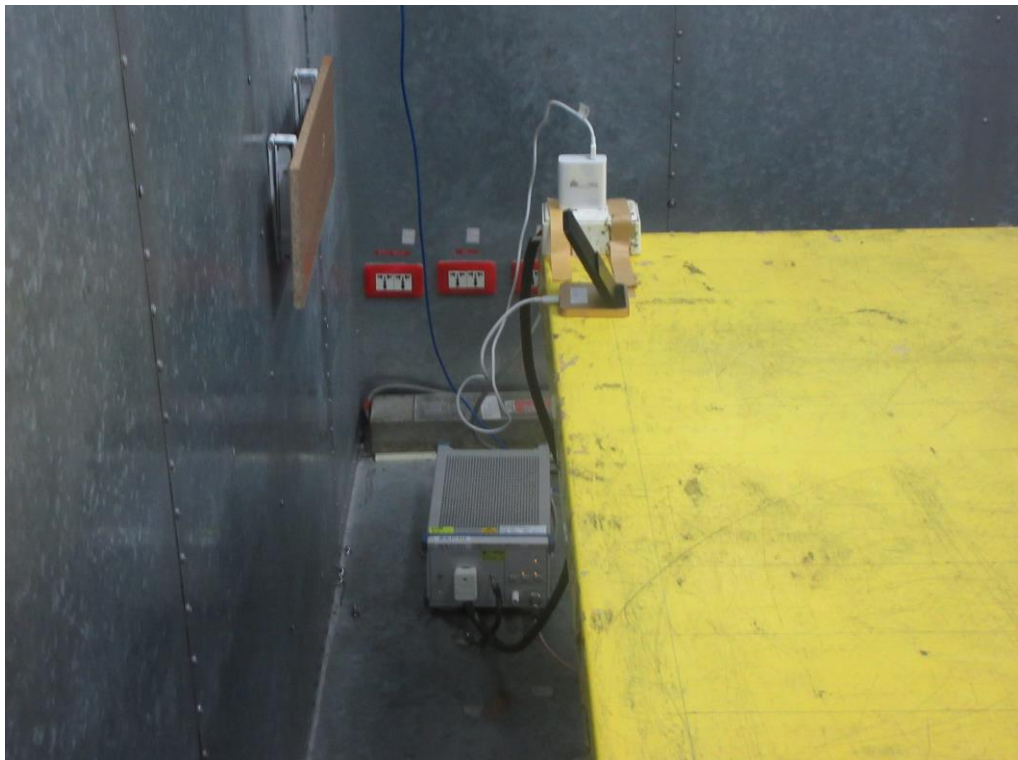


50W

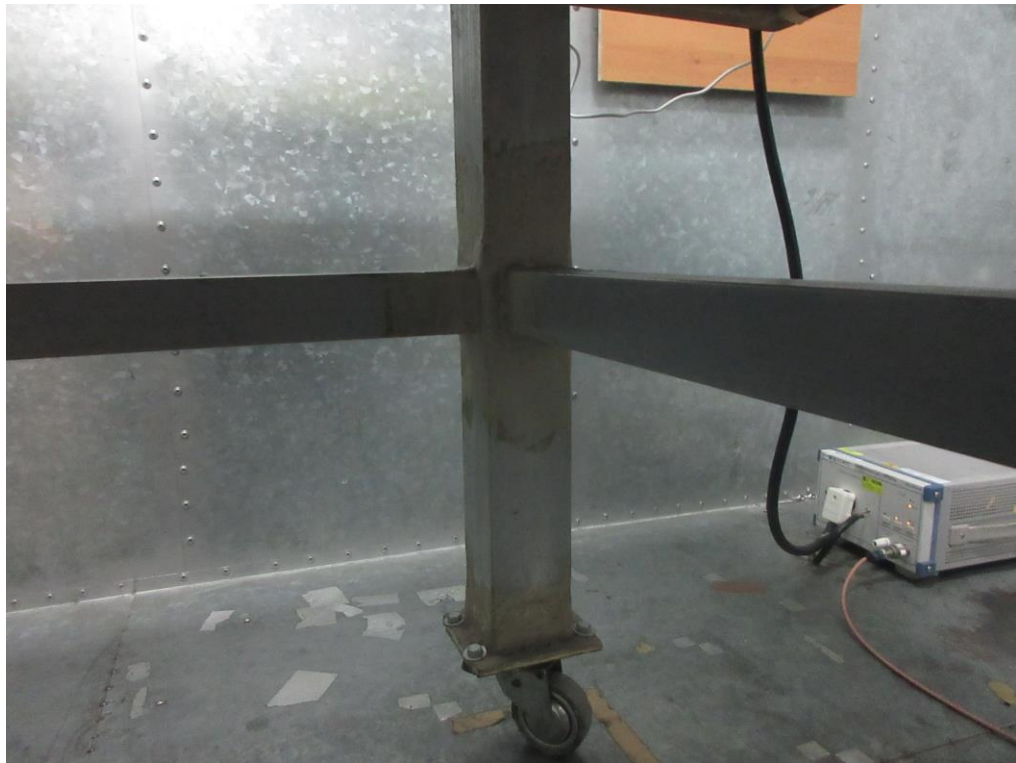
Front View



Side View



Under Table View

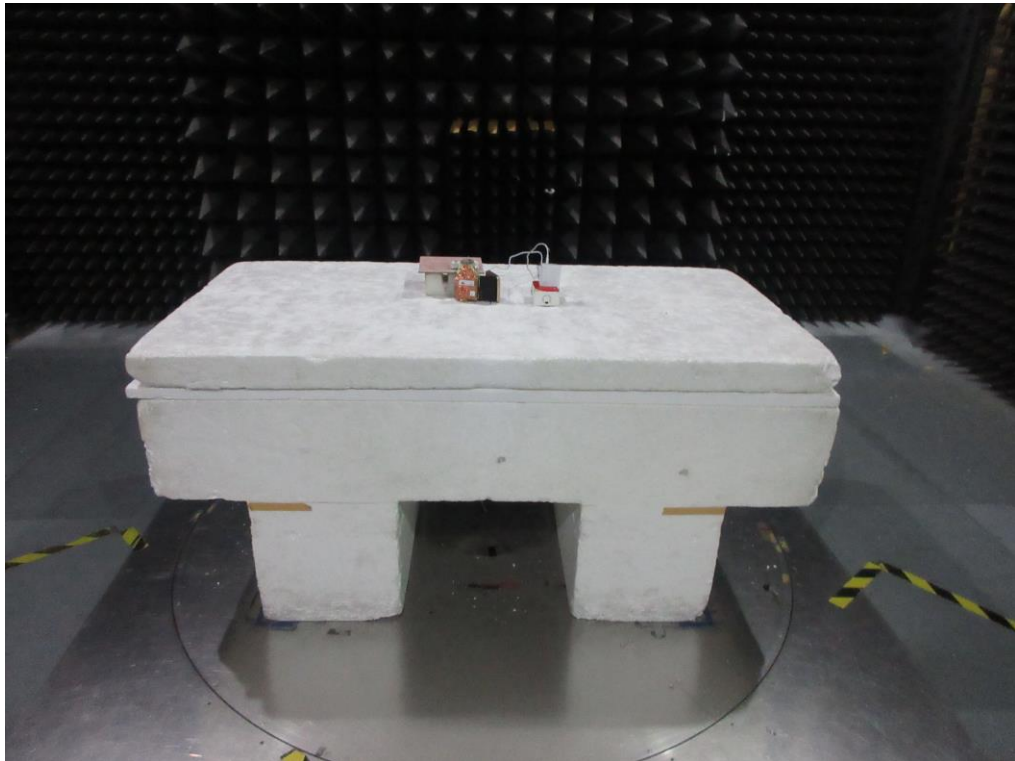


3. Photographs of Radiated Emissions Test Configuration-TX

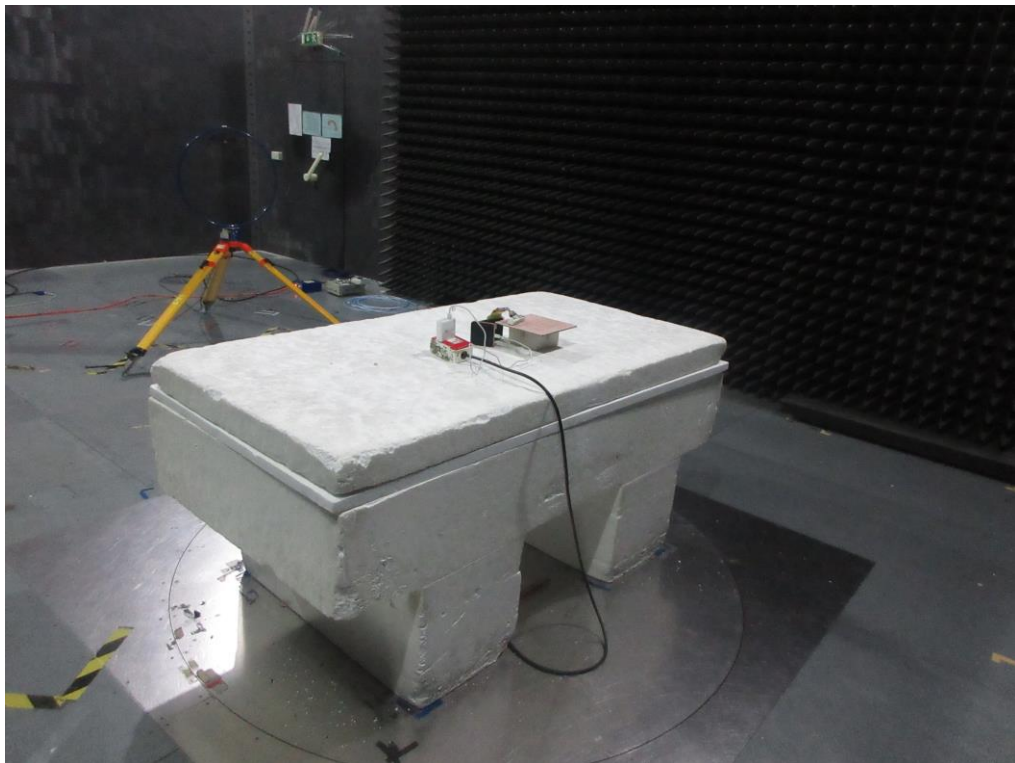
For radiated emissions 9kHz~30MHz

10W

Front view

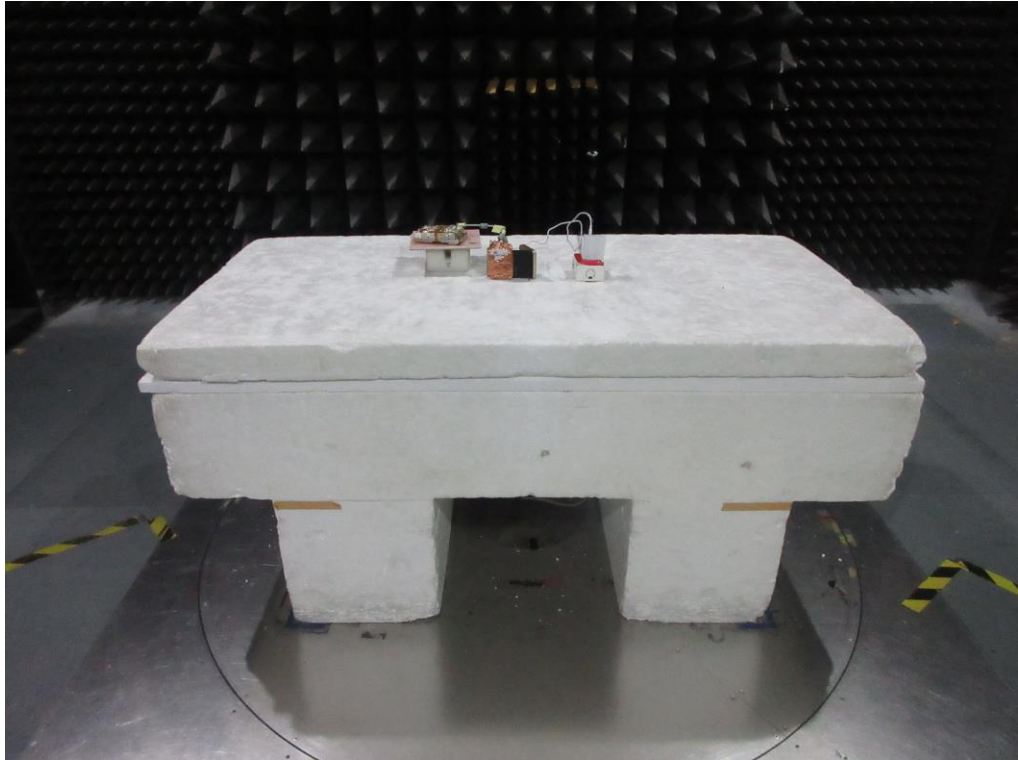


Rear view

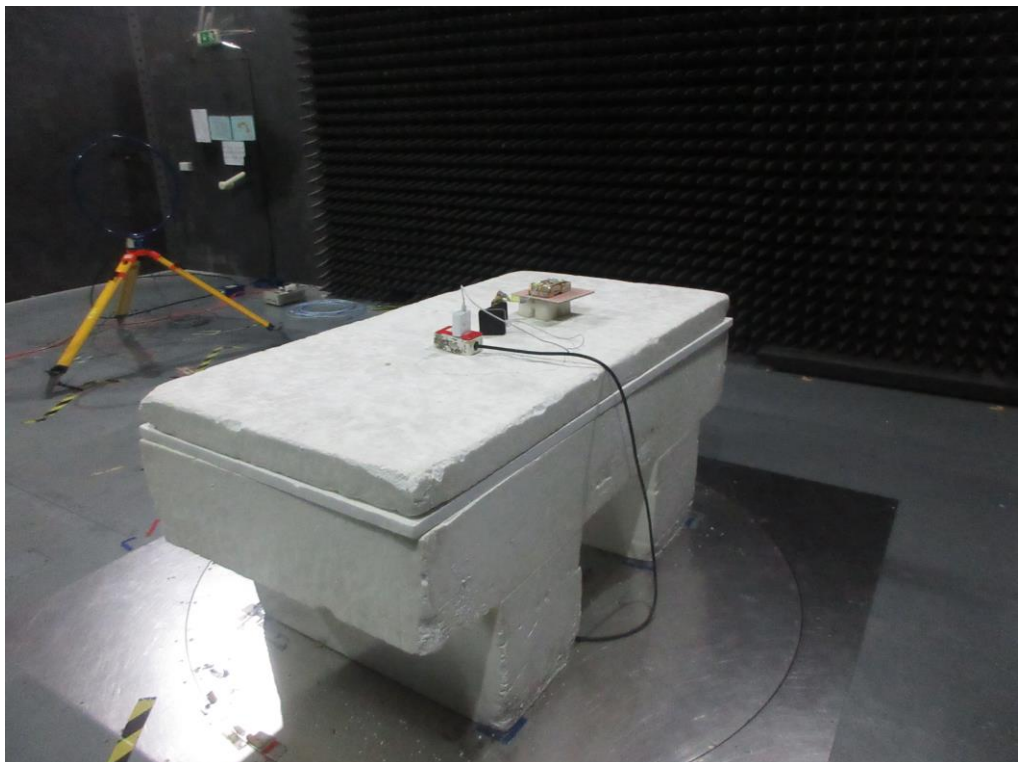


50W

Front view

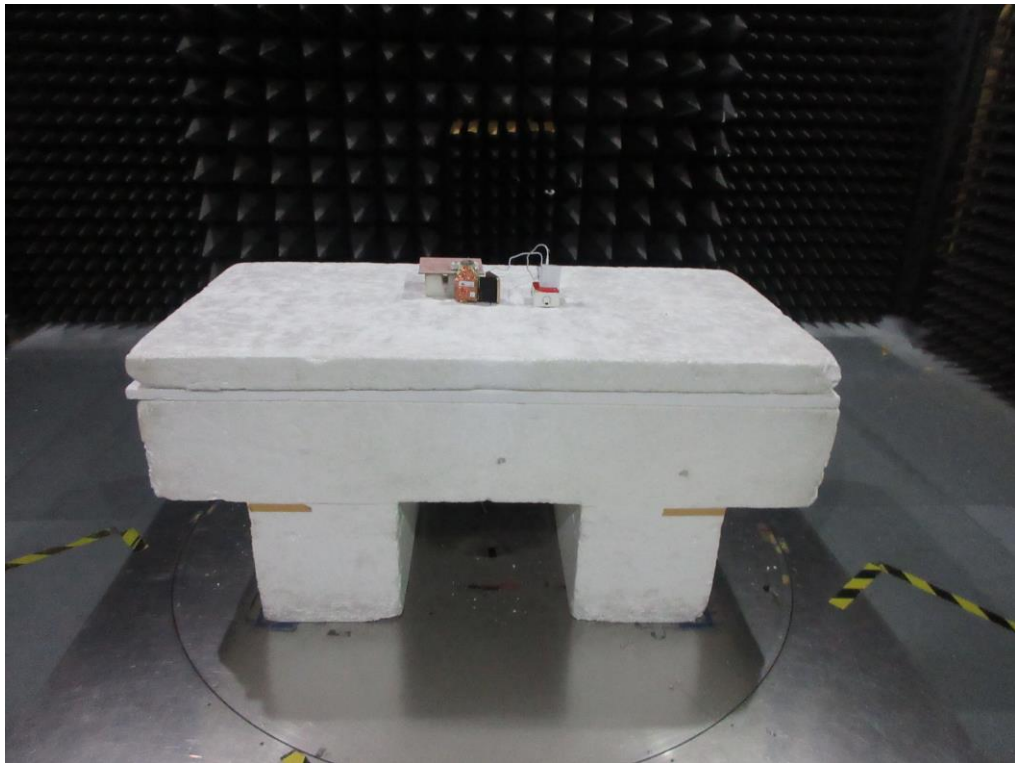


Rear view

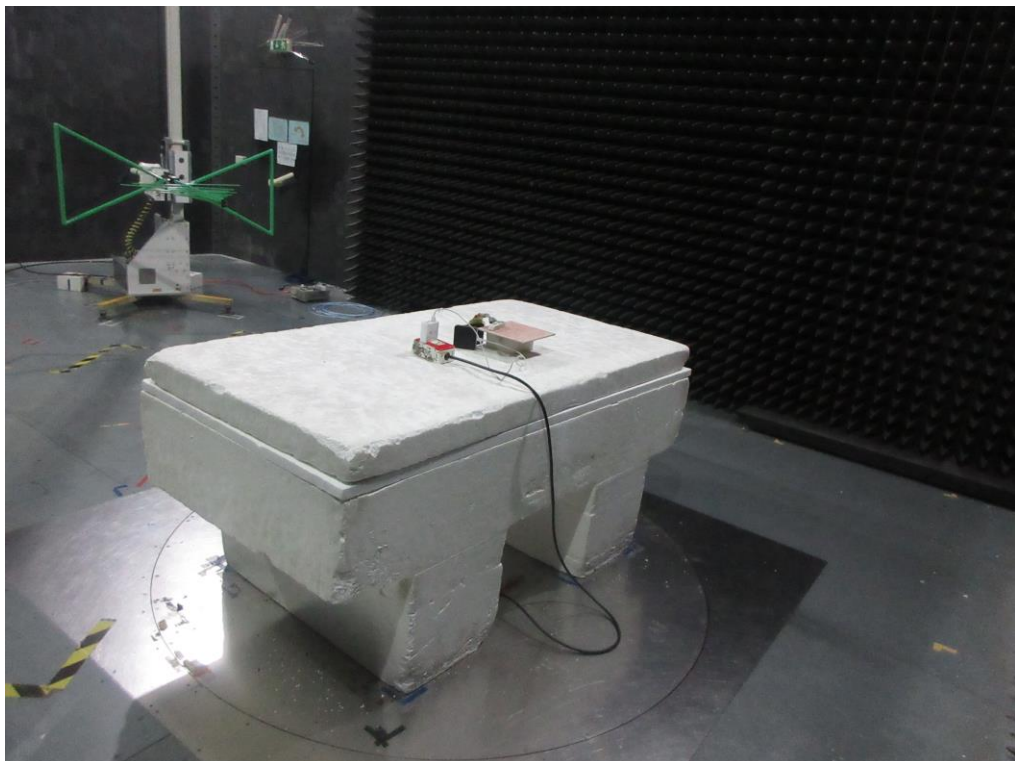


For radiated emissions 30MHz~1GHz
10W

Front view

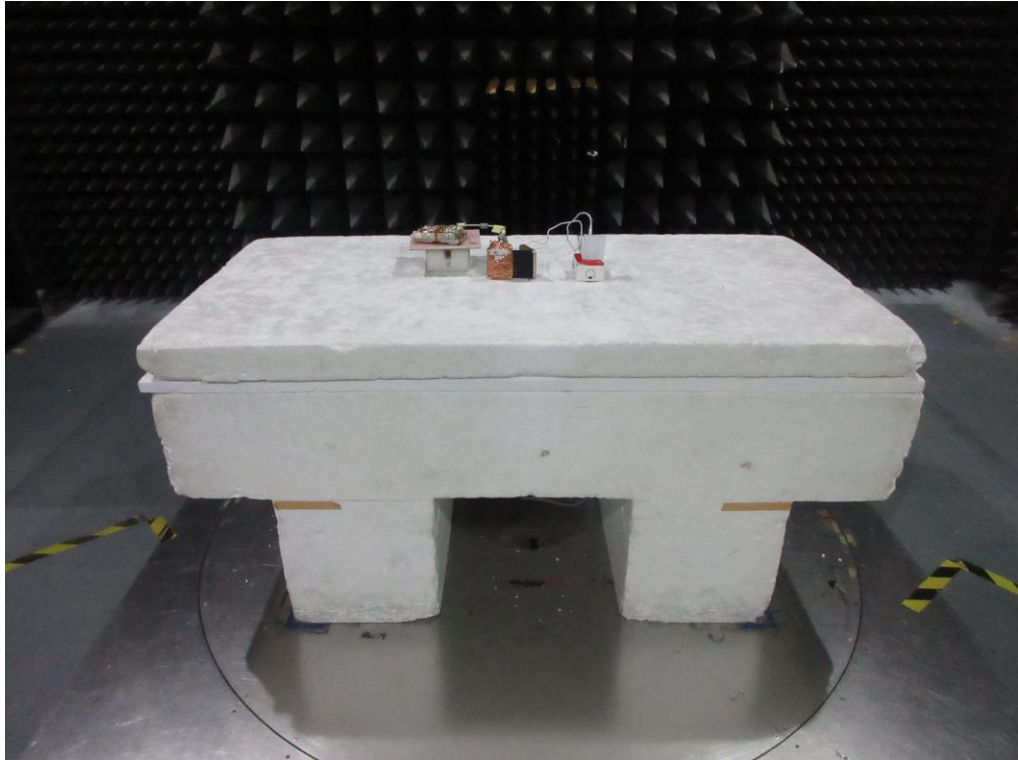


Rear view

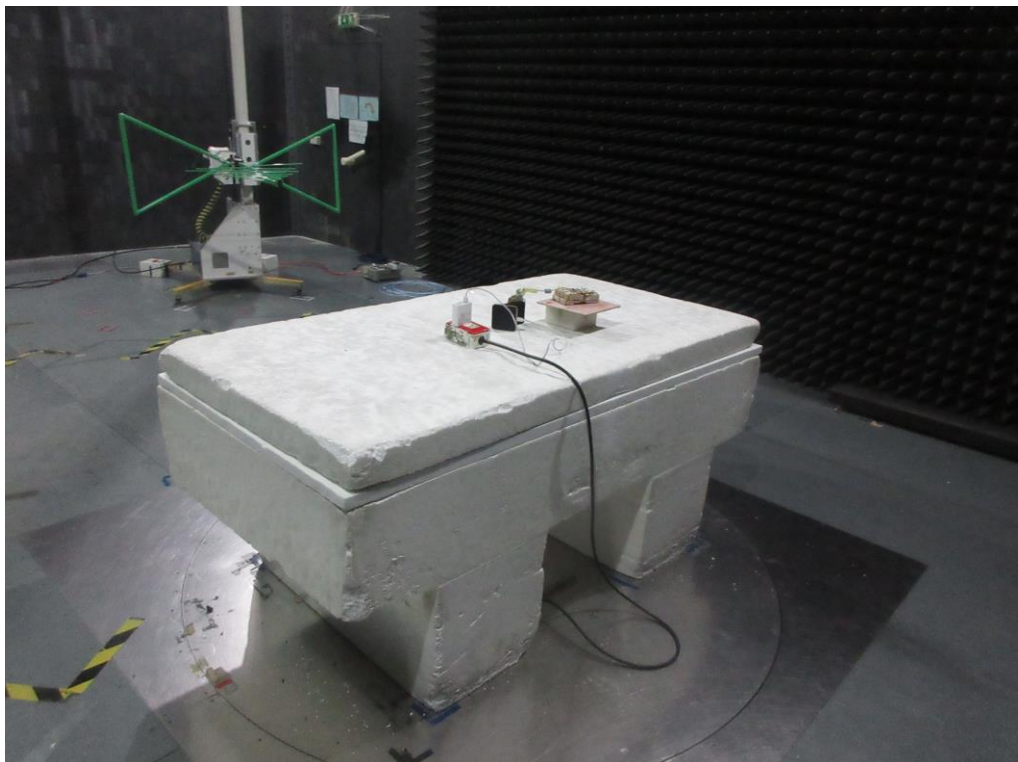


50W

Front view



Rear view

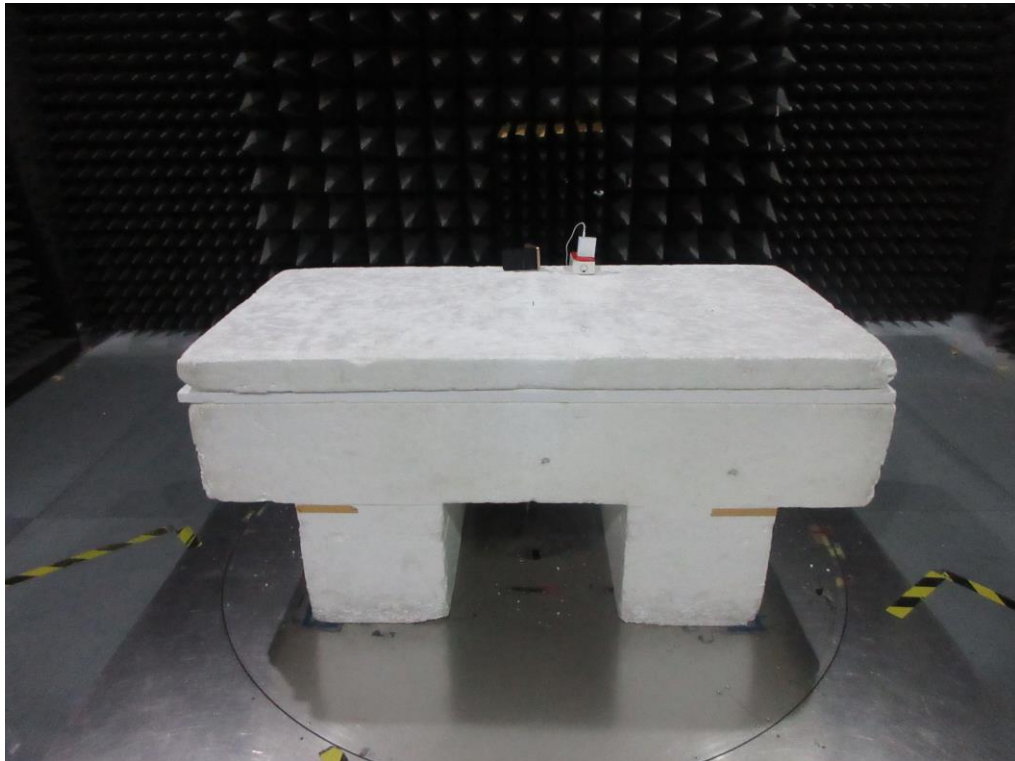


4. Photographs of Radiated Emissions Test Configuration-RX

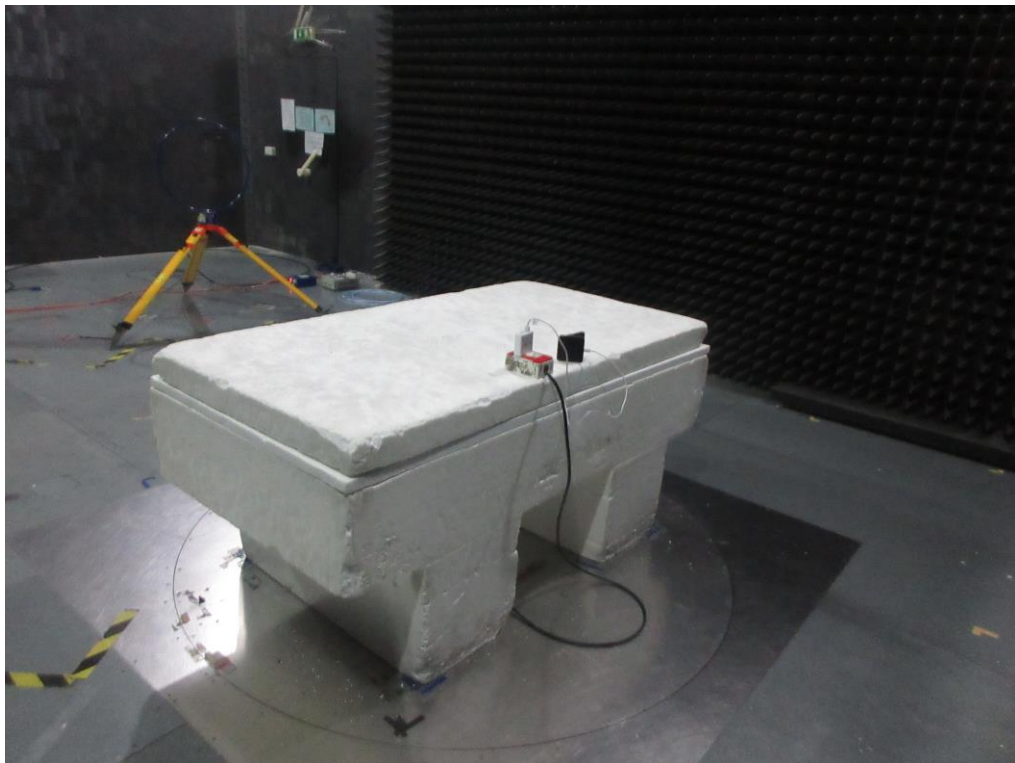
For radiated emissions 9kHz~30MHz

10W

Front view

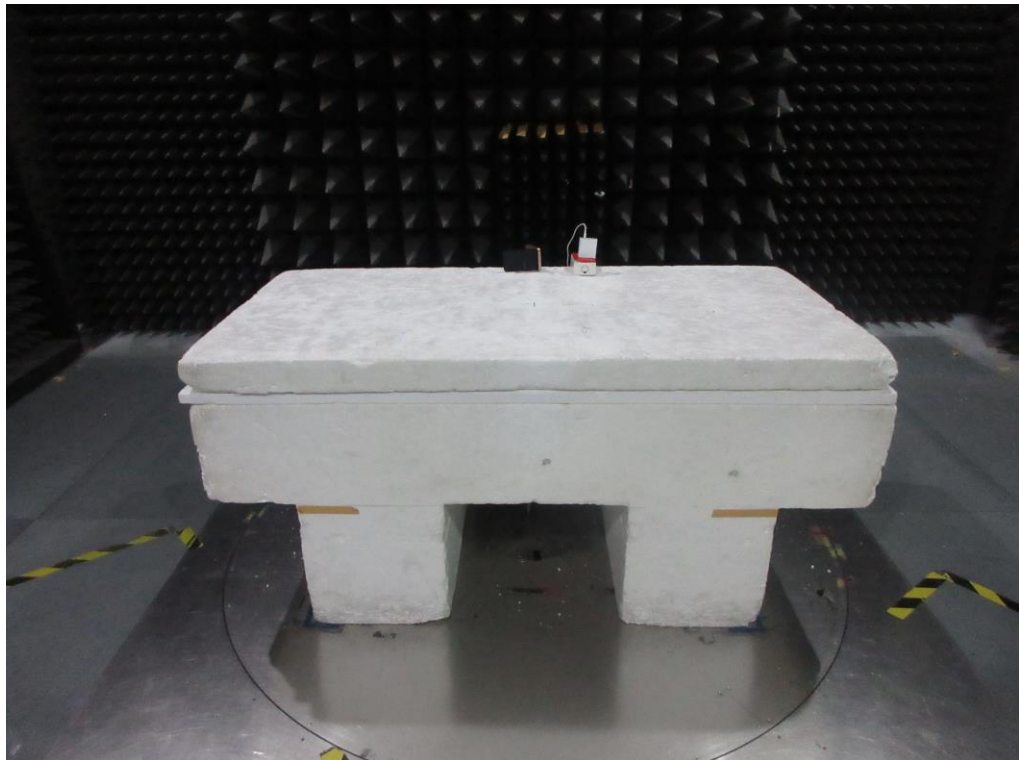


Rear view

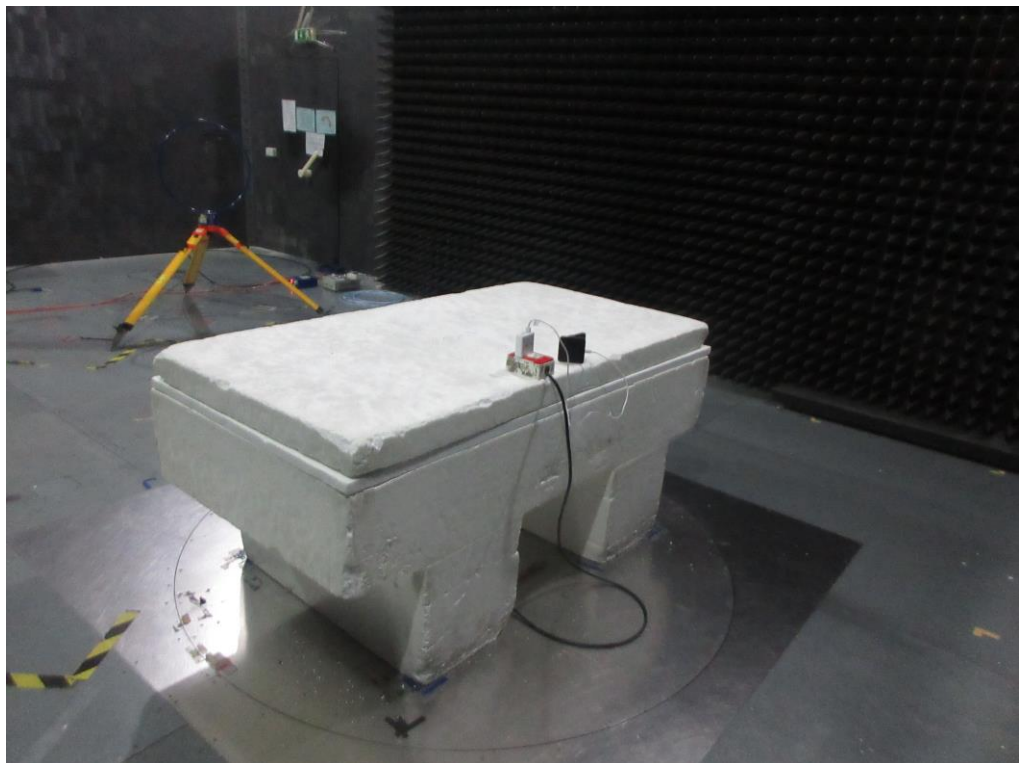


50W

Front view

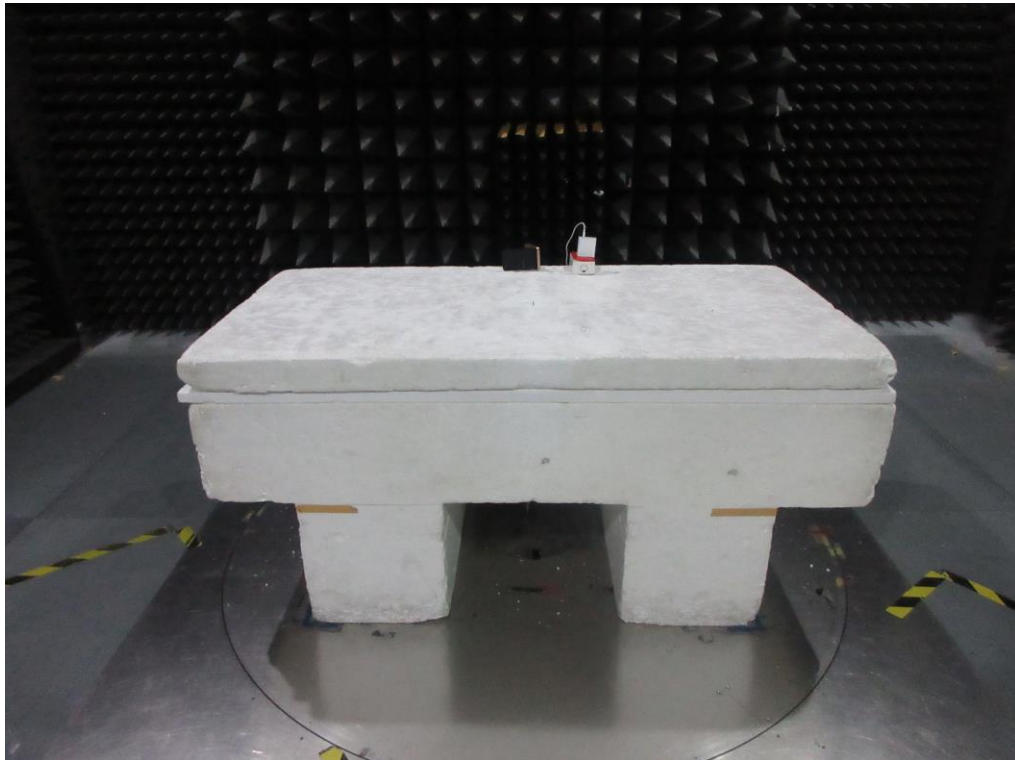


Rear view

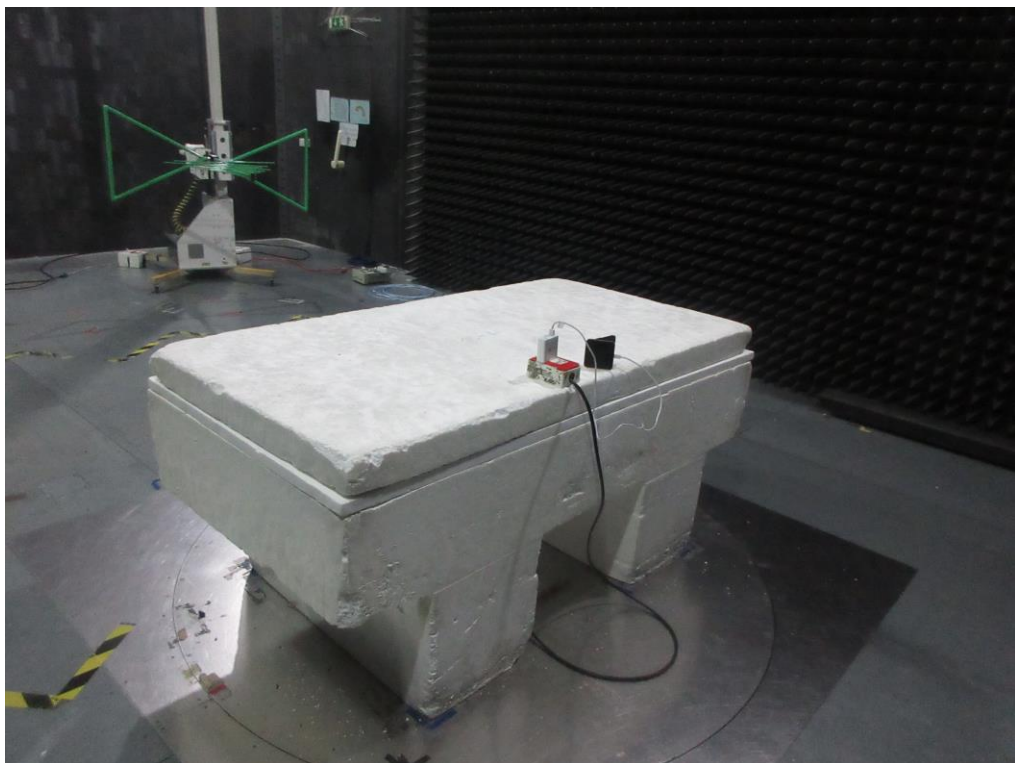


For radiated emissions 30MHz~1GHz
10W

Front view

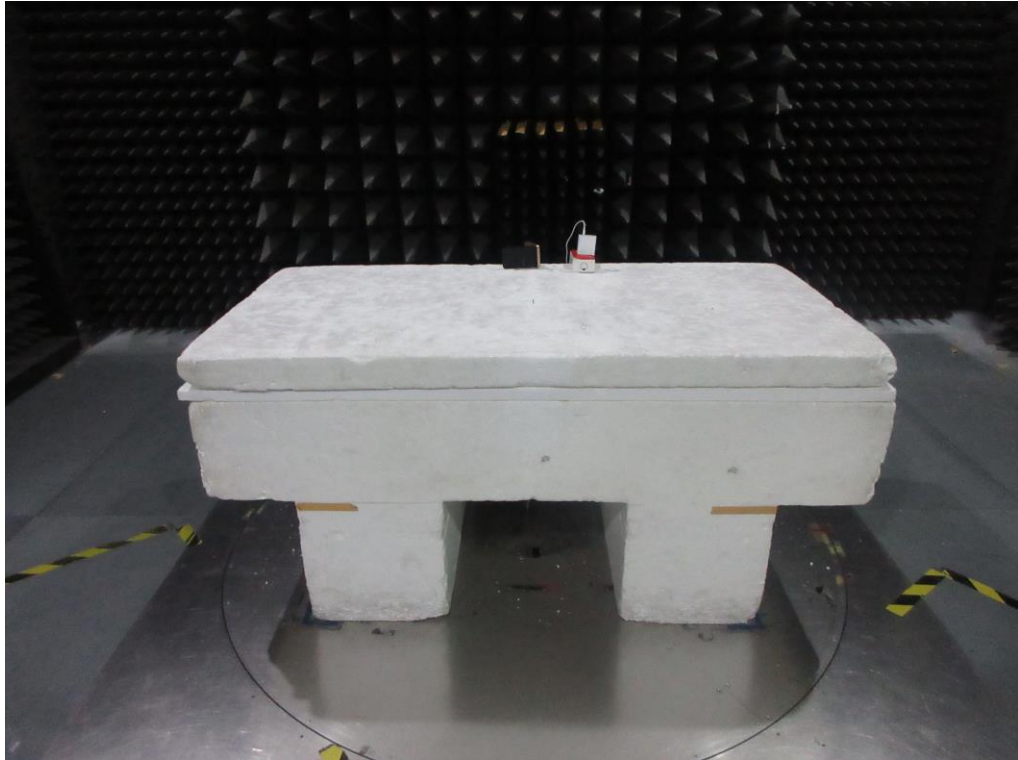


Rear view

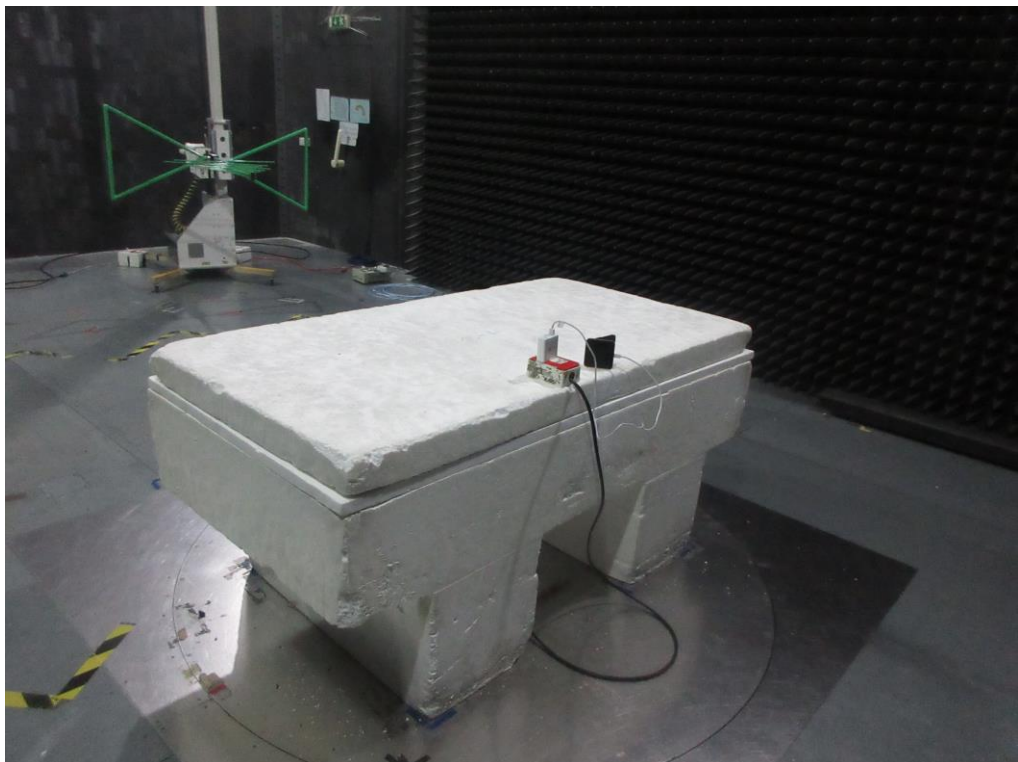


50W

Front view



Rear view



10W Fixture / Load
Brand Name : Lanto
Model Name : A1



50W Fixture / Load
Brand Name : Lanto
Model Name : A3



—THE END—