



# FCC Radio Test Report

**FCC ID** : WLQDSW2  
**Equipment** : WIRELESS SUBWOOFER  
**Brand Name** : Polk  
**Model Name** : DSW2 WIRELESS SUBWOOFER  
**Applicant** : DEI Sales, Inc., dba Polk Audio  
5541 FERMI COURT, CARLSBAD, CA, 92008, USA  
**Manufacturer** : Polk Audio, LLC  
5541 FERMI COURT, CARLSBAD, CA, 92008, USA  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Aug. 17, 2021, and testing was started from Sep. 07, 2021 and completed on Sep. 09, 2021. 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 variant 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: Allen Lin

**SPORTON INTERNATIONAL INC. Hsinhua Laboratory**

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



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### 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	-
-	15.407(a)	Emission Bandwidth	Not Required	Refer as 1.1.5
-	15.407(a)	Maximum Conducted Output Power	Not Required	Refer as 1.1.5
-	15.407(a)	Peak Power Spectral Density	Not Required	Refer as 1.1.5
3.2	15.407(b)	Unwanted Emissions	PASS	-

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and explanations:</b>
None

Reviewed by: Sam Tsai

Report Producer: Jenny Yang



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	Modulation	Ch. Frequency (MHz)	Channel Number
5150-5250	GFSK	5160-5240	0-16 [17]
5725-5850	GFSK	5735-5840	0-21 [22]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	GFSK	2.5	1TX
5.725-5.85GHz	GFSK	2.5	1TX

5160-5240MHz		5735-5840MHz	
Channel	Freq.(MHz)	Channel	Freq.(MHz)
0	5160	0	5735
1	5165	1	5740
2	5170	2	5745
3	5175	3	5750
4	5180	4	5755
5	5185	5	5760
6	5190	6	5765
7	5195	7	5770
8	5200	8	5775
9	5205	9	5780
10	5210	10	5785
11	5215	11	5790
12	5220	12	5795
13	5225	13	5800
14	5230	14	5805
15	5235	15	5810
16	5240	16	5815
-	-	17	5820
-	-	18	5825
-	-	19	5830
-	-	20	5835
-	-	21	5840

Note:

- ◆ Use a GFSK modulation.
- ◆ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
A1	SYNIC	IA9QH5 SY5-A24-F	PCB	N/A	2.85
A2	SYNIC	IA9QH5 SY5-A24-F	PCB	N/A	2.85

Note 1: The EUT has two antennas.

**For SRD 5GHz function:**

For SRD 5GHz mode (1TX/1RX)

Support diversity functions and pre-tested on each single chain, the worst case was Ant. A1 and it was record in this test report.

**1.1.3 EUT Information**

Operational Condition	
EUT Power Type	From Internal Power Supply
EUT Function	<input type="checkbox"/> Outdoor AP
	<input type="checkbox"/> Fixed P2P AP
	<input type="checkbox"/> Indoor AP
	<input checked="" type="checkbox"/> Indoor Client
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 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
GFSK	1	0	10m	10

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

**1.1.5 Table for Permissive Change**

This product is an extension of original one reported under Sporton project number: FR072915

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. The IC of audio amplifier was replaced. 2. The output voltage/current of the power board was changed from 24V/2.5A to 20V/3A. 3. Add a second source of RF oscillator	1. AC Power-line Conducted Emissions and Unwanted Emissions below 1GHz was evaluated 2. Photographs of EUT

## 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 789033 D02 v02r01

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

- ◆ KDB 414788 D01 v01r01

## 1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	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 site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Daniel Lin	20.2~26.4°C / 54~61%	09/Sep/2021
Radiated	03CH02-HY	Jack Tang	22.3~25.6°C / 53~62%	07/Sep/2021
<input type="checkbox"/>	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	
Test site Designation No. TW0008 with FCC.				

Laboratory number TAF 3785 is a spin-off from the original Laboratory number TAF 1190.

## 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%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

## 2 Test Configuration of EUT

### 2.1 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: 120Vac / 60Hz
Operating Mode	CTX
1	Switching Power Supply mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	Switching Power Supply mode
Orthogonal Planes of EUT	<b>Z Plane</b>
	

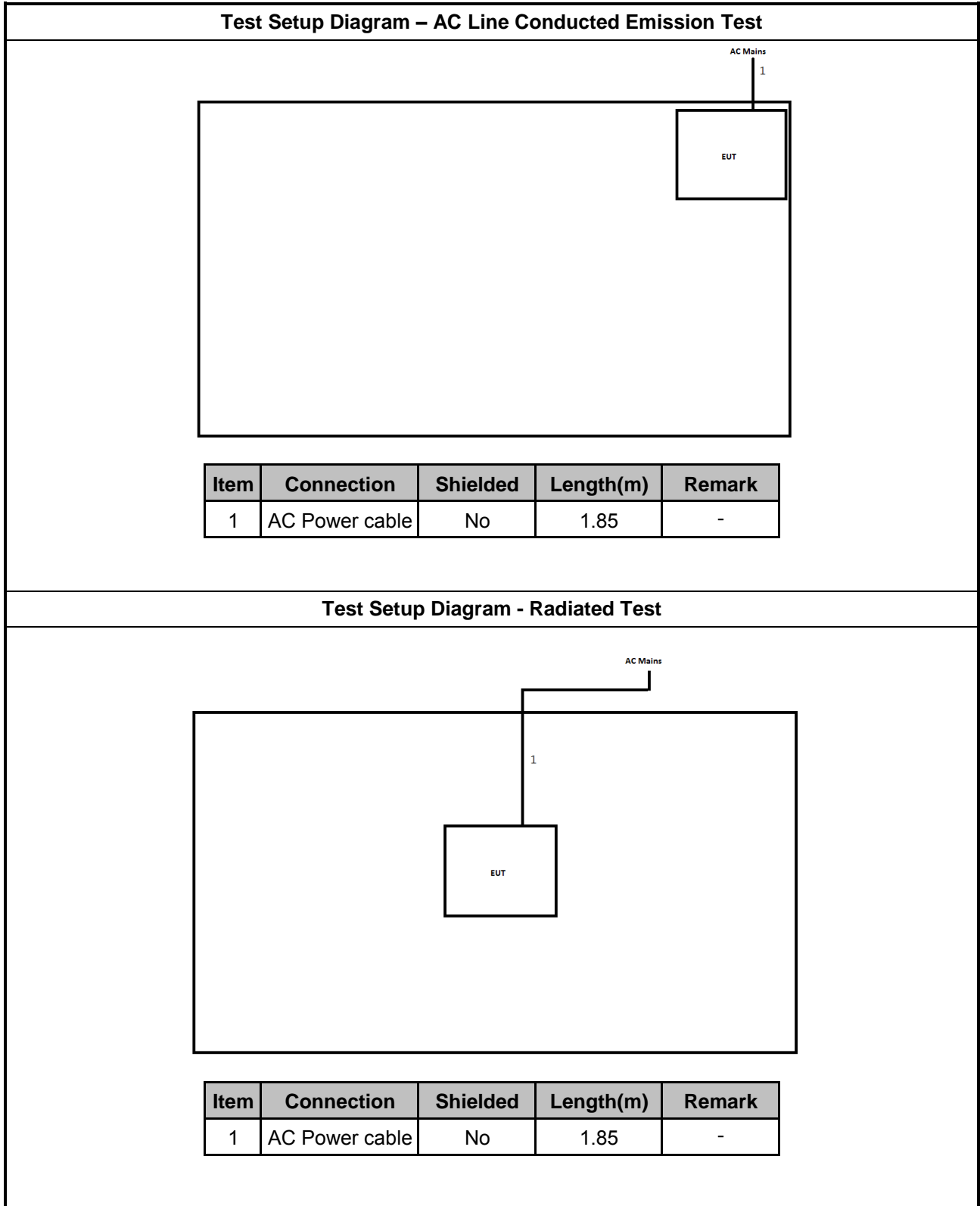
### 2.2 Accessories

Accessories				
AC Power Cord	Brand Name	NA	Model Name	NA
	Manufacturer	NA	SN	NA
	Signal Line	1.85 meter, Non-Shielded cable, without ferrite core		

Reminder: Regarding to more detail and other information, please refer to user manual.



### 2.3 Test Setup Diagram





### 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

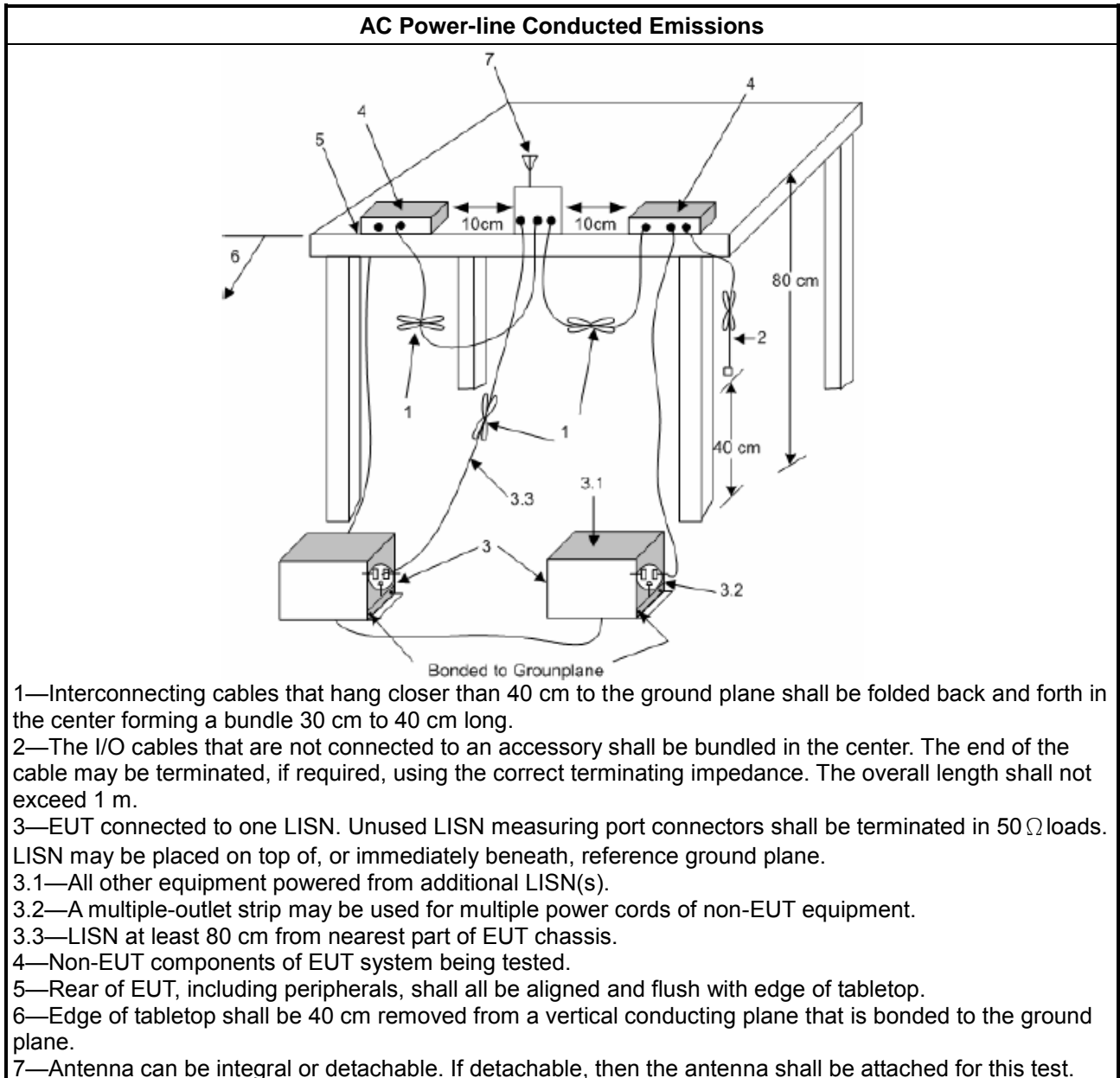
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

##### 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 Unwanted Emissions

#### 3.2.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: 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).

### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

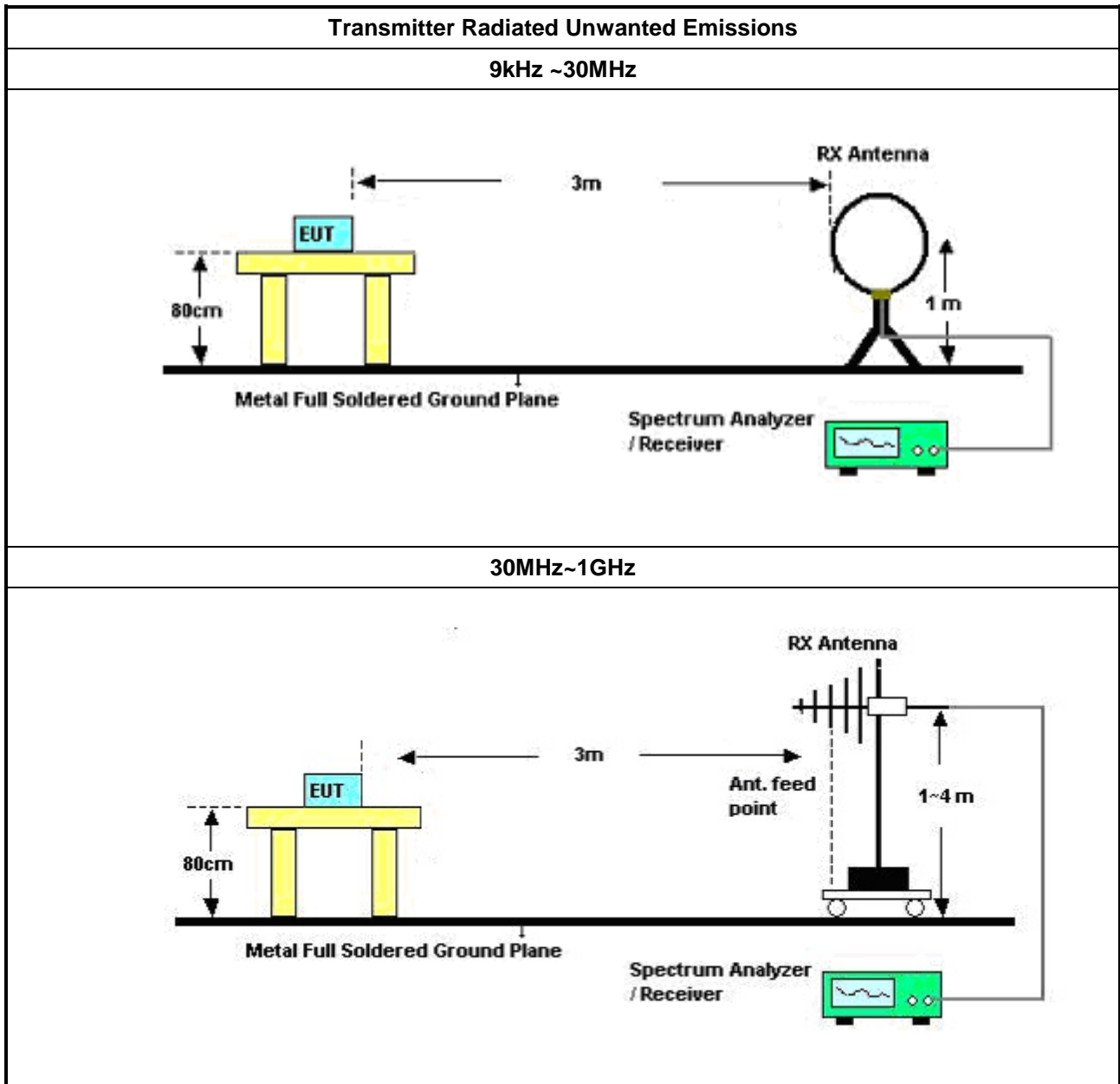
Test Method	
<ul style="list-style-type: none"> <li>▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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).</li> </ul>	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.</li> </ul>
<input checked="" type="checkbox"/>	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
<ul style="list-style-type: none"> <li>▪ For radiated measurement.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>
<ul style="list-style-type: none"> <li>▪ The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Use the following spectrum analyzer settings:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Set RBW=100 kHz for f &lt; 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.</li> </ul>
<ul style="list-style-type: none"> <li>▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.</li> </ul>

### 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 Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

### 3.2.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix B

## 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	ESR	102052	9kHz ~ 3.6GHz	19/Apr/2021	18/Apr/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable 5m	TITAN	TITAN	CO04-cable-01	0.1MHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

### 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
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	05/Sep/2021	04/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



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	4.972M	14.55	46.00	-31.45	Neutral

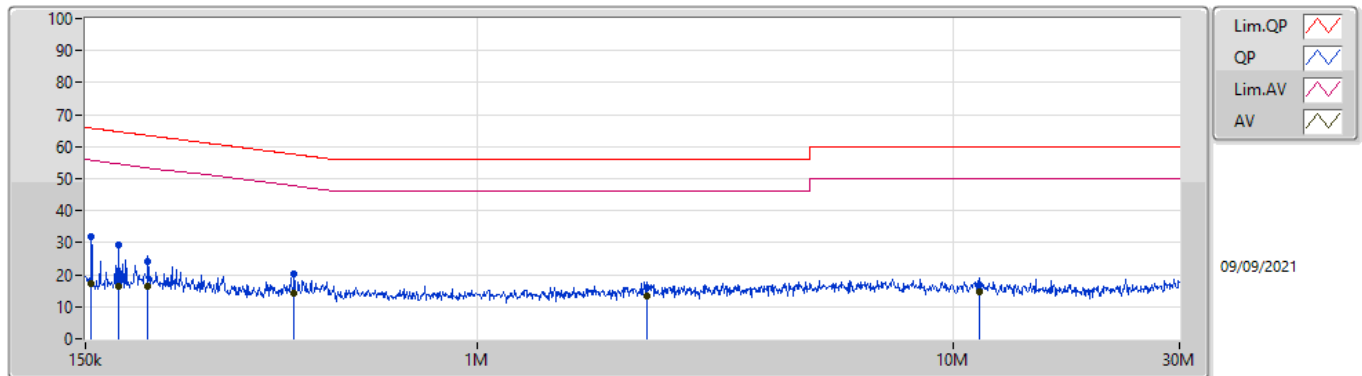




Mode Configure

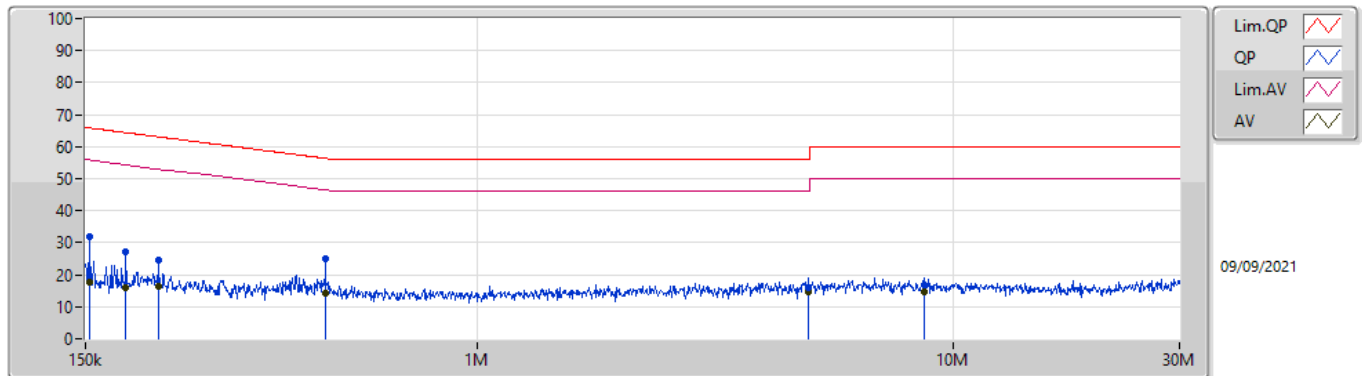
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	154.251k	32.04	65.77	-33.73	Line	-
Mode 1	Pass	AV	154.251k	17.07	55.77	-38.70	Line	-
Mode 1	Pass	QP	176.674k	29.20	64.64	-35.44	Line	-
Mode 1	Pass	AV	176.674k	16.18	54.64	-38.46	Line	-
Mode 1	Pass	QP	203.167k	24.10	63.48	-39.38	Line	-
Mode 1	Pass	AV	203.167k	16.45	53.48	-37.03	Line	-
Mode 1	Pass	QP	411.832k	20.17	57.61	-37.44	Line	-
Mode 1	Pass	AV	411.832k	14.14	47.61	-33.47	Line	-
Mode 1	Pass	QP	2.274M	15.76	56.00	-40.24	Line	-
Mode 1	Pass	AV	2.274M	13.52	46.00	-32.48	Line	-
Mode 1	Pass	QP	11.362M	16.69	60.00	-43.31	Line	-
Mode 1	Pass	AV	11.362M	14.76	50.00	-35.24	Line	-
Mode 1	Pass	QP	153.024k	31.85	65.83	-33.98	Neutral	-
Mode 1	Pass	AV	153.024k	17.82	55.83	-38.01	Neutral	-
Mode 1	Pass	QP	182.408k	27.06	64.37	-37.31	Neutral	-
Mode 1	Pass	AV	182.408k	16.03	54.37	-38.34	Neutral	-
Mode 1	Pass	QP	213.137k	24.67	63.07	-38.40	Neutral	-
Mode 1	Pass	AV	213.137k	16.34	53.07	-36.73	Neutral	-
Mode 1	Pass	QP	481.211k	24.86	56.33	-31.47	Neutral	-
Mode 1	Pass	AV	481.211k	14.02	46.33	-32.31	Neutral	-
Mode 1	Pass	QP	4.972M	16.09	56.00	-39.91	Neutral	-
Mode 1	Pass	AV	4.972M	14.55	46.00	-31.45	Neutral	-
Mode 1	Pass	QP	8.695M	16.81	60.00	-43.19	Neutral	-
Mode 1	Pass	AV	8.695M	14.82	50.00	-35.18	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	154.251k	32.04	65.77	-33.73	19.63	Line	-	12.41	9.69	0.04	9.90
AV	154.251k	17.07	55.77	-38.70	19.63	Line	-	-2.56	9.69	0.04	9.90
QP	176.674k	29.20	64.64	-35.44	19.62	Line	-	9.58	9.68	0.04	9.90
AV	176.674k	16.18	54.64	-38.46	19.62	Line	-	-3.44	9.68	0.04	9.90
QP	203.167k	24.10	63.48	-39.38	19.62	Line	-	4.48	9.68	0.04	9.90
AV	203.167k	16.45	53.48	-37.03	19.62	Line	-	-3.17	9.68	0.04	9.90
QP	411.832k	20.17	57.61	-37.44	19.63	Line	-	0.54	9.67	0.06	9.90
AV	411.832k	14.14	47.61	-33.47	19.63	Line	-	-5.49	9.67	0.06	9.90
QP	2.274M	15.76	56.00	-40.24	19.61	Line	-	-3.85	9.68	0.11	9.82
AV	2.274M	13.52	46.00	-32.48	19.61	Line	-	-6.09	9.68	0.11	9.82
QP	11.362M	16.69	60.00	-43.31	19.83	Line	-	-3.14	9.71	0.22	9.90
AV	11.362M	14.76	50.00	-35.24	19.83	Line	-	-5.07	9.71	0.22	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	153.024k	31.85	65.83	-33.98	19.63	Neutral	-	12.22	9.69	0.04	9.90
AV	153.024k	17.82	55.83	-38.01	19.63	Neutral	-	-1.81	9.69	0.04	9.90
QP	182.408k	27.06	64.37	-37.31	19.62	Neutral	-	7.44	9.68	0.04	9.90
AV	182.408k	16.03	54.37	-38.34	19.62	Neutral	-	-3.59	9.68	0.04	9.90
QP	213.137k	24.67	63.07	-38.40	19.62	Neutral	-	5.05	9.68	0.04	9.90
AV	213.137k	16.34	53.07	-36.73	19.62	Neutral	-	-3.28	9.68	0.04	9.90
QP	481.211k	24.86	56.33	-31.47	19.61	Neutral	-	5.25	9.67	0.06	9.88
AV	481.211k	14.02	46.33	-32.31	19.61	Neutral	-	-5.59	9.67	0.06	9.88
QP	4.972M	16.09	56.00	-39.91	19.75	Neutral	-	-3.66	9.70	0.15	9.90
AV	4.972M	14.55	46.00	-31.45	19.75	Neutral	-	-5.20	9.70	0.15	9.90
QP	8.695M	16.81	60.00	-43.19	19.81	Neutral	-	-3.00	9.72	0.19	9.90
AV	8.695M	14.82	50.00	-35.18	19.81	Neutral	-	-4.99	9.72	0.19	9.90



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
SRD_Nss1_1TX	Pass	PK	62.98M	29.27	40.00	-10.73	3	Vertical	360	1.00	-

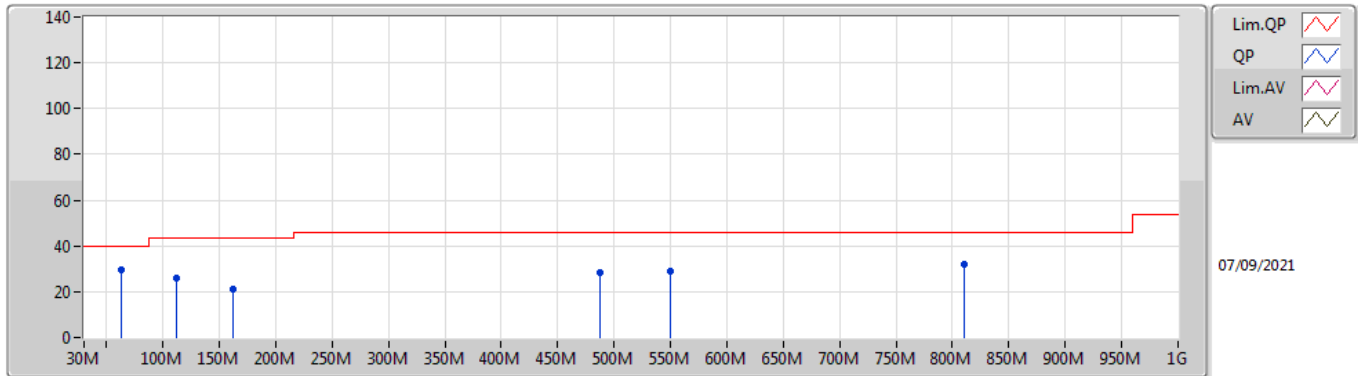


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
SRD_Nss1_1TX	-	-	-	-	-	-	-	-	-	-	-
5790MHz	Pass	PK	62.98M	29.27	40.00	-10.73	3	Vertical	360	1.00	-
5790MHz	Pass	PK	111.48M	26.00	43.50	-17.50	3	Vertical	360	1.00	-
5790MHz	Pass	PK	161.92M	21.11	43.50	-22.39	3	Vertical	360	1.00	-
5790MHz	Pass	PK	487.84M	28.47	46.00	-17.53	3	Vertical	360	1.00	-
5790MHz	Pass	PK	549.92M	29.15	46.00	-16.85	3	Vertical	360	1.00	-
5790MHz	Pass	PK	809.88M	32.07	46.00	-13.93	3	Vertical	360	1.00	-
5790MHz	Pass	PK	111.48M	25.72	43.50	-17.78	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	185.2M	22.02	43.50	-21.48	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	317.12M	24.76	46.00	-21.24	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	604.24M	30.09	46.00	-15.91	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	780.78M	31.72	46.00	-14.28	3	Horizontal	0	1.00	-
5790MHz	Pass	PK	951.5M	33.32	46.00	-12.68	3	Horizontal	0	1.00	-

SRD\_Nss1\_1TX

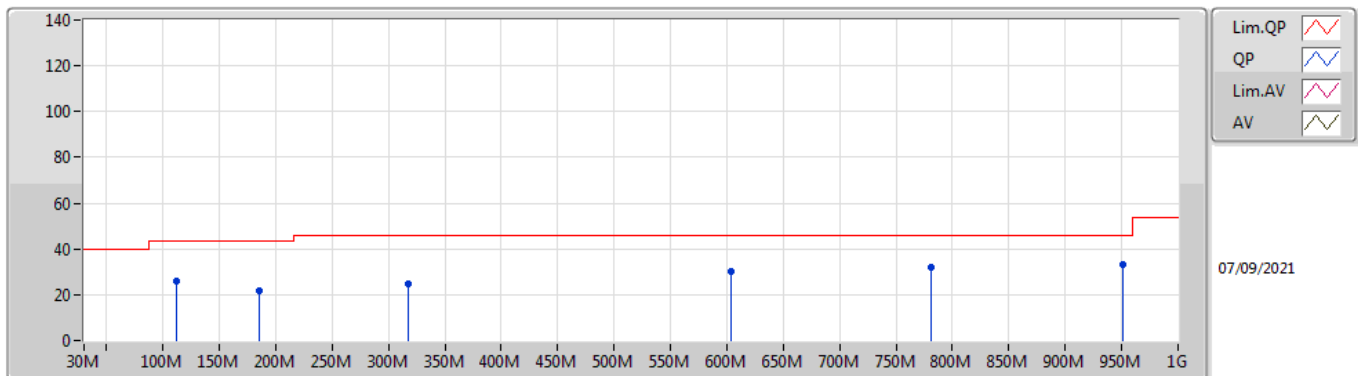
5790MHz\_TX



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	62.98M	29.27	40.00	-10.73	-15.10	3	Vertical	360	1.00	-	44.37	11.53	1.16	27.79
PK	111.48M	26.00	43.50	-17.50	-9.16	3	Vertical	360	1.00	-	35.16	17.14	1.49	27.79
PK	161.92M	21.11	43.50	-22.39	-10.63	3	Vertical	360	1.00	-	31.74	15.10	1.78	27.51
PK	487.84M	28.47	46.00	-17.53	-2.51	3	Vertical	360	1.00	-	30.98	22.73	3.04	28.28
PK	549.92M	29.15	46.00	-16.85	-1.24	3	Vertical	360	1.00	-	30.39	23.89	3.19	28.32
PK	809.88M	32.07	46.00	-13.93	1.12	3	Vertical	360	1.00	-	30.95	25.07	3.90	27.85

SRD\_Nss1\_1TX

5790MHz\_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	111.48M	25.72	43.50	-17.78	-9.16	3	Horizontal	0	1.00	-	34.88	17.14	1.49	27.79
PK	185.2M	22.02	43.50	-21.48	-11.19	3	Horizontal	0	1.00	-	33.21	14.34	1.89	27.42
PK	317.12M	24.76	46.00	-21.24	-5.94	3	Horizontal	0	1.00	-	30.70	18.78	2.43	27.15
PK	604.24M	30.09	46.00	-15.91	-1.08	3	Horizontal	0	1.00	-	31.17	23.95	3.38	28.41
PK	780.78M	31.72	46.00	-14.28	0.87	3	Horizontal	0	1.00	-	30.85	25.01	3.81	27.95
PK	951.5M	33.32	46.00	-12.68	2.99	3	Horizontal	0	1.00	-	30.33	26.09	4.18	27.28