



Radiated Test Setup

This document presents the Radiated Test Setup used for Testing

INFO3.7-3.8 CSM

Automotive Infotainment Unit

This test result relates only to the described test object.

This document shall not be reproduced, except in full, without the written approval of Bureau Veritas Test Lab.

Customer must not use this test report as the product certification of each accreditation body or each national organization.

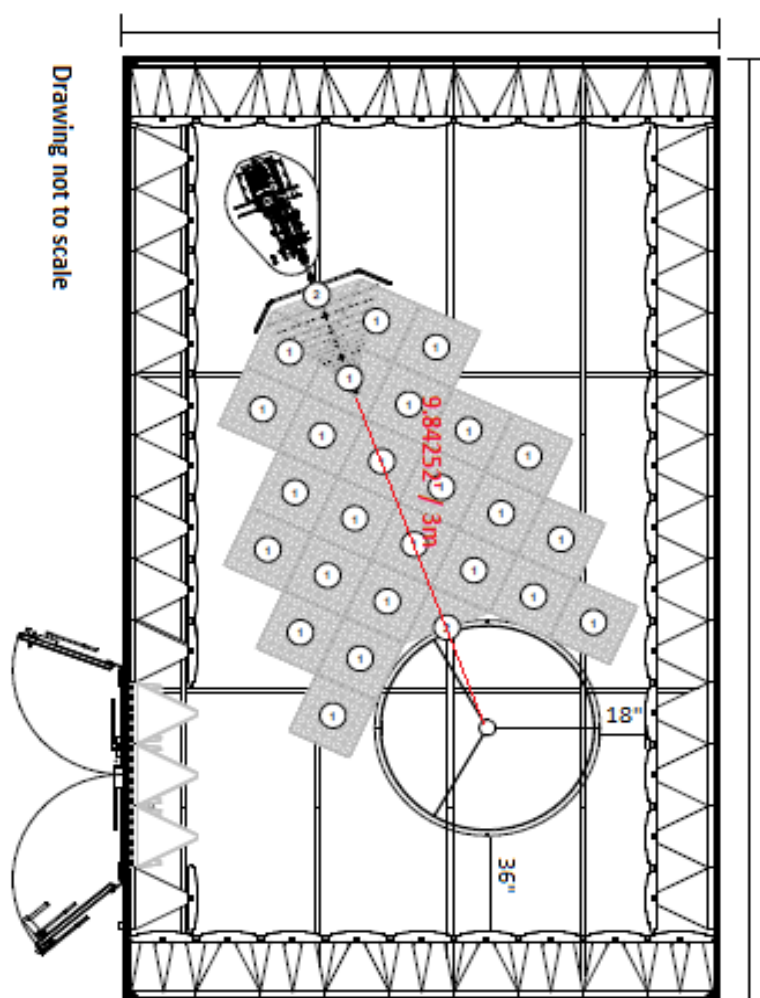
The test is traceable to national standard or related international standard

Test Setup

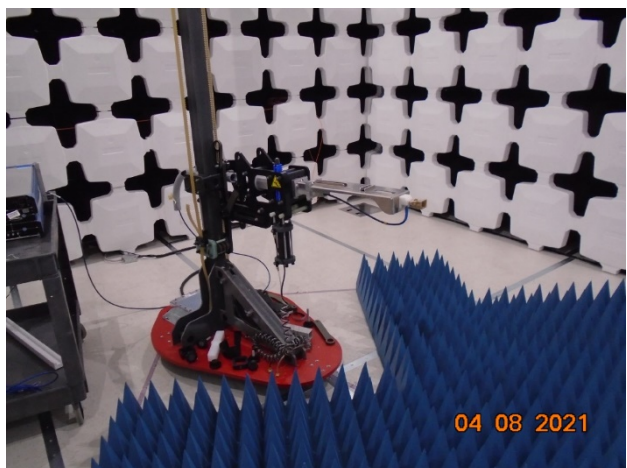
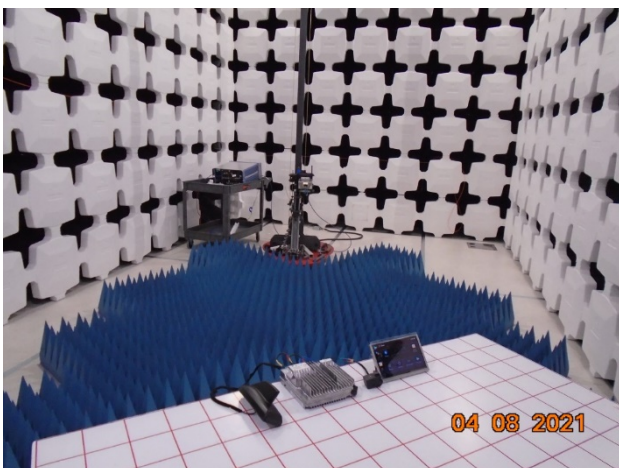
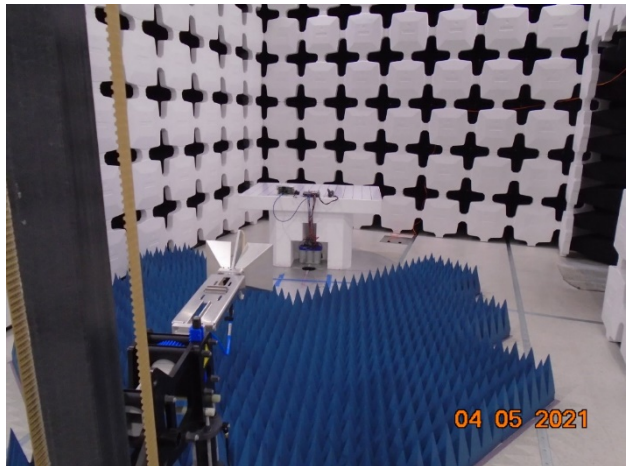
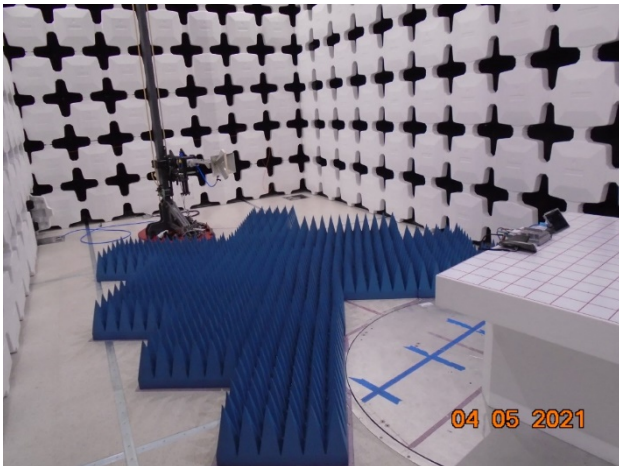
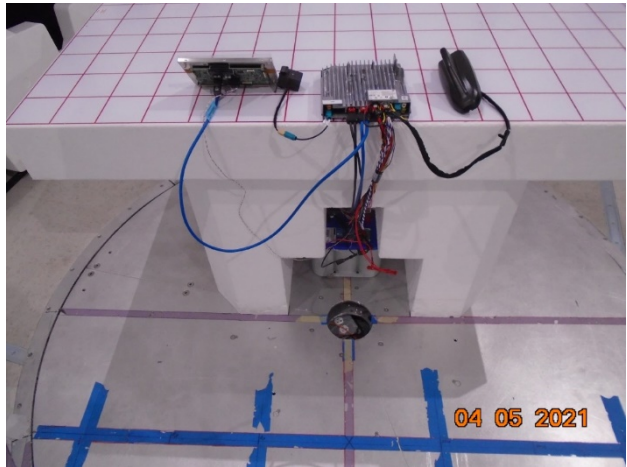
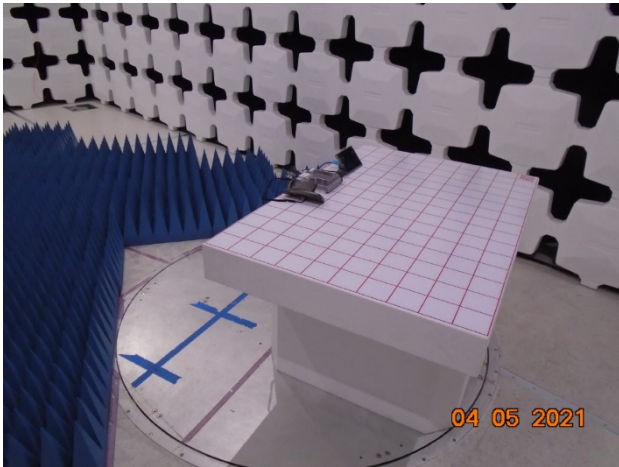
Semi-Anechoic Chamber Test Site-3 meter

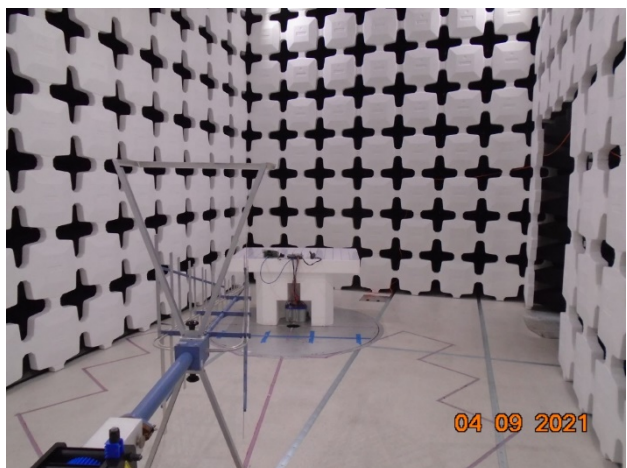
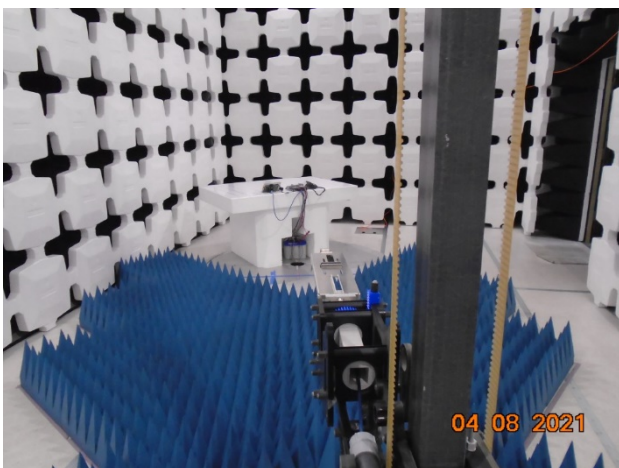
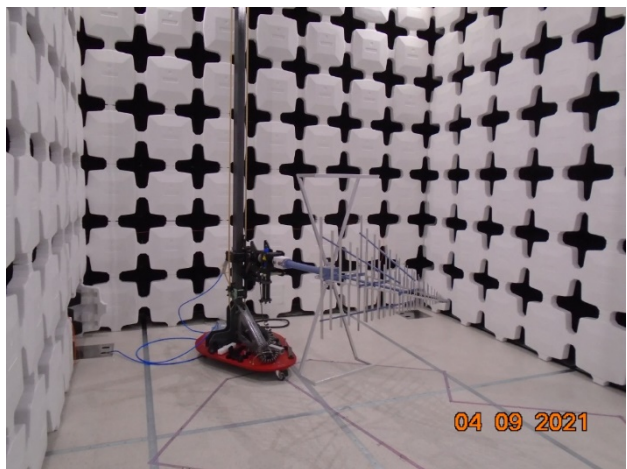
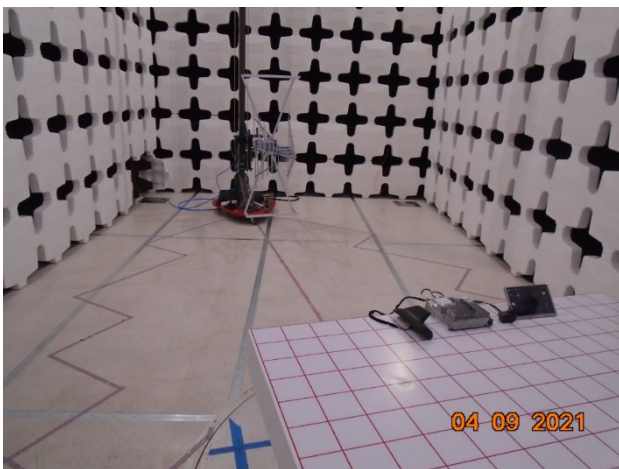
Chamber Location	815 N Opdyke Rd Auburn Hills, Michigan 48326
Chamber Manufacturer:	ETS-Lindgren
Chamber Type	Semi-Anechoic
Model	FACT™ 3-2.0 Plus
Chamber Dimensions (L x W x H)	18'x18'x30'
Quiet Zone Diameter	2.0 meters
Quiet Zone Test Heights	1 & 2 meters (front only)
Test Distance	3.0 meters
Test Frequency Range	1-40 GHz
Measured Performance	4.87 dB Site sVSWR
Test Completion	December 18 th , 2019

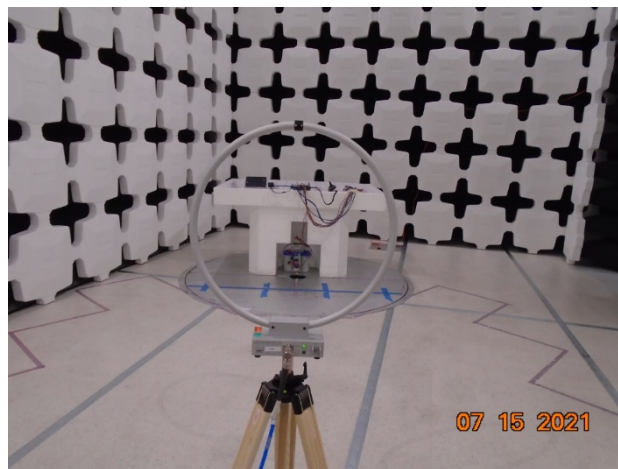
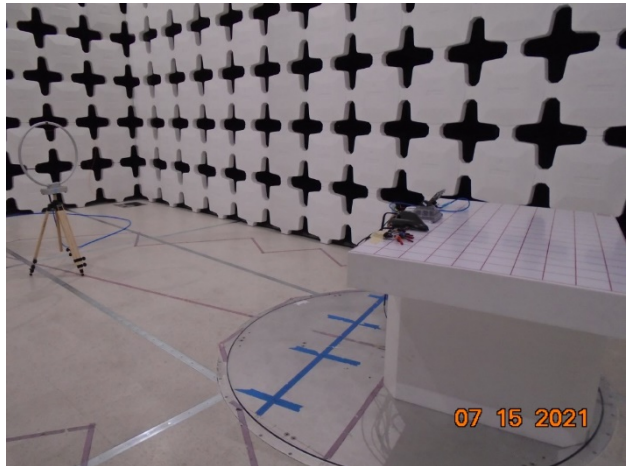
Chamber Dimensions



Test Setup Pictures







Test Equipment Used

ID #	Equipment	Manufacturer	Model	Serial #	Cal Due
BVD0118	Antenna Mast Position Controller	ETS	7006-001	00214778/002 14648	N/A
BVD0462	48dB Preamp .1-18GHz	The EMC Shop	PA18G	1319	3/30/2022
BVD0218	Receiver 2Hz-44GHz	Rohde & Schwarz	ESW44	101870	9/25/2021
BVD0398	2 Meter Double Shielded N-Type Cable	Rohde & Schwarz	N-Type	N/A	N/A
BVD0404	440mm Double Shielded N-Type Cable (For PreAmp)	Rohde & Schwarz	N-Type	N/A	N/A
BVD0186	Preamplifier 25dB cal to 100kHz-1GHz	Rohde & Schwarz	TS-PR1	102079	3/5/2022
BVD0394	6.9 Meter Double Shielded N-Type Cable	Rohde & Schwarz	N-Type	N/A	N/A
BVD0021	BiConLog Antenna 30-6000 MHz	Rohde & Schwarz	HL562E	101113	6/22/2021
BVD0320	18-40GHz Horn Antenna	L3 Narda ATM	PNR 180-442-KF	136164-01	3/8/2022
BVD0267	Double Ridge Waveguide 800MHz-18GHz	Rohde & Schwarz	HF907	102832	7/28/2021
BVD0111	3 Meter Anechoic Chamber	ETS		N/A	N/A
BVD0306	Optima 12V Blue top Marine battery	Optima	D34M	N/A	N/A
BVD0463	40dB Preamp 18-40GHz	The EMC Shop	PA40G	17610-01	6/10/2021
BVD0011	Loop Antenna 9kHz-30MHz	Rohde & Schwarz	FMZB15 19B	145	3/23/2022

Equipment List (Software)

Equipment	Manufacturer	Model	Version No.
EMC Test Software	Nexio	BAT-EMC	3.20.0.21

Customer Supplied Equipment

ID #	Equipment	Manufacturer	Model	Serial #	Version No.
N/A	Display	Harman	N/A	1683	N/A
N/A	Display Harness	Harman	N/A	N/A	N/A
N/A	Bluetooth LAN	Harman	N/A	84375197	N/A
N/A	Antenna	Harman	N/A	20072	N/A
N/A	Blue Molex Connector Harness	Harman	N/A	N/A	N/A
N/A	DUT 1M Harness	Harman	N/A	N/A	N/A
N/A	USB to DUT Harness	Harman	N/A	102161025	N/A

Document Revisions

Version	Date	Modifier	Changes
1.0	04-28-2021	Aravind Buddana	Initial Draft
2.0	07-16-2021	Ryan Philips	Updated Test Equipment used Table and setup pictures

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