

15. HYBRID MODE 125KHZ : POWER SPECTRAL DENSITY

15.1. TEST CONDITIONS

Test performed by : Julien Palard
Date of test : September 17, 2019
Ambient temperature : 25 °C
Relative humidity : 48 %

15.2. TEST SETUP

- The Equipment Under Test is installed:

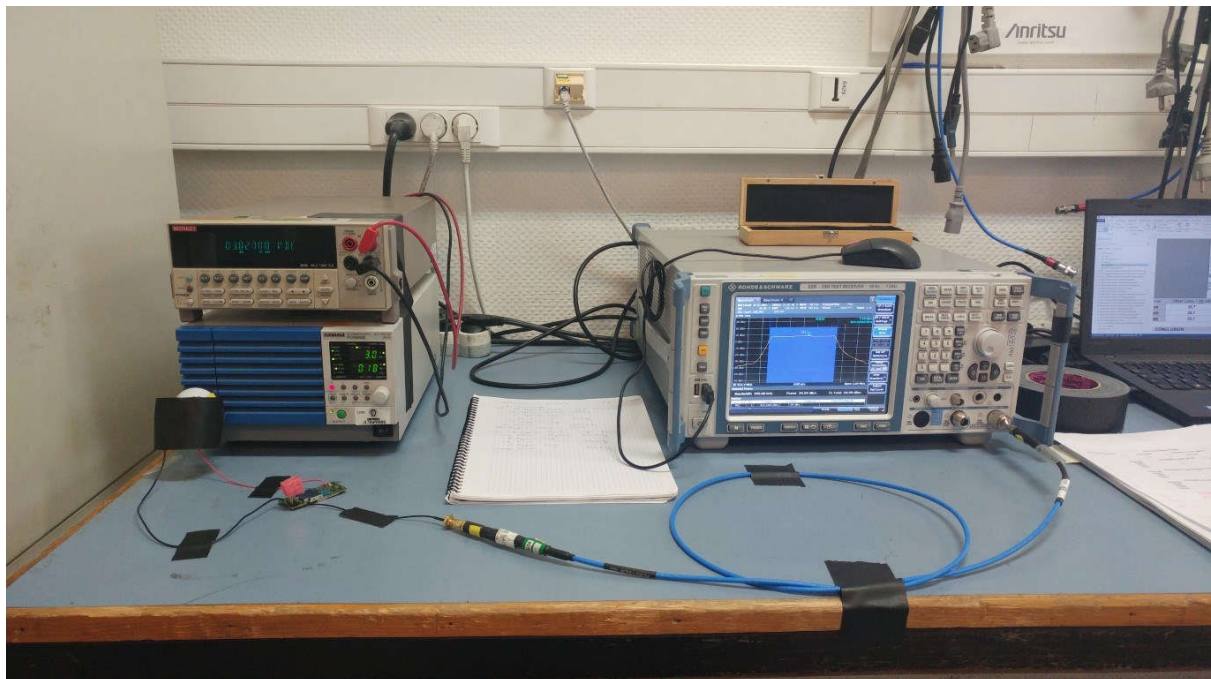
- On a table
- In an anechoic chamber

- Measurement is performed with a spectrum analyzer in:

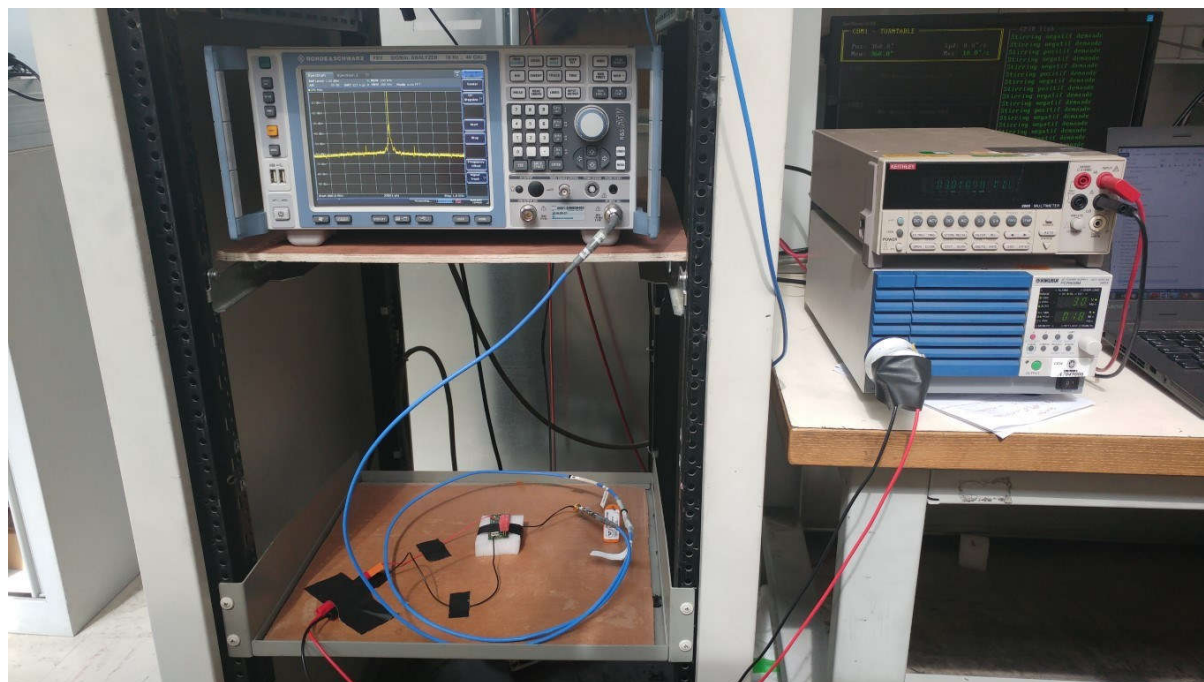
- Conducted Method
- Radiated Method

- Test Procedure:

- KDB 558074 D01 DTS Meas Guidance v05 § 10.2 (Method PKPSD)
- KDB 558074 D01 DTS Meas Guidance v05 § 10.3 (Method AVGPSD-1)
- ANSI C63.10 § 11.10.3



Photograph for Power Spectral Density



Photograph for Unwanted Emission into non-restricted frequency bands

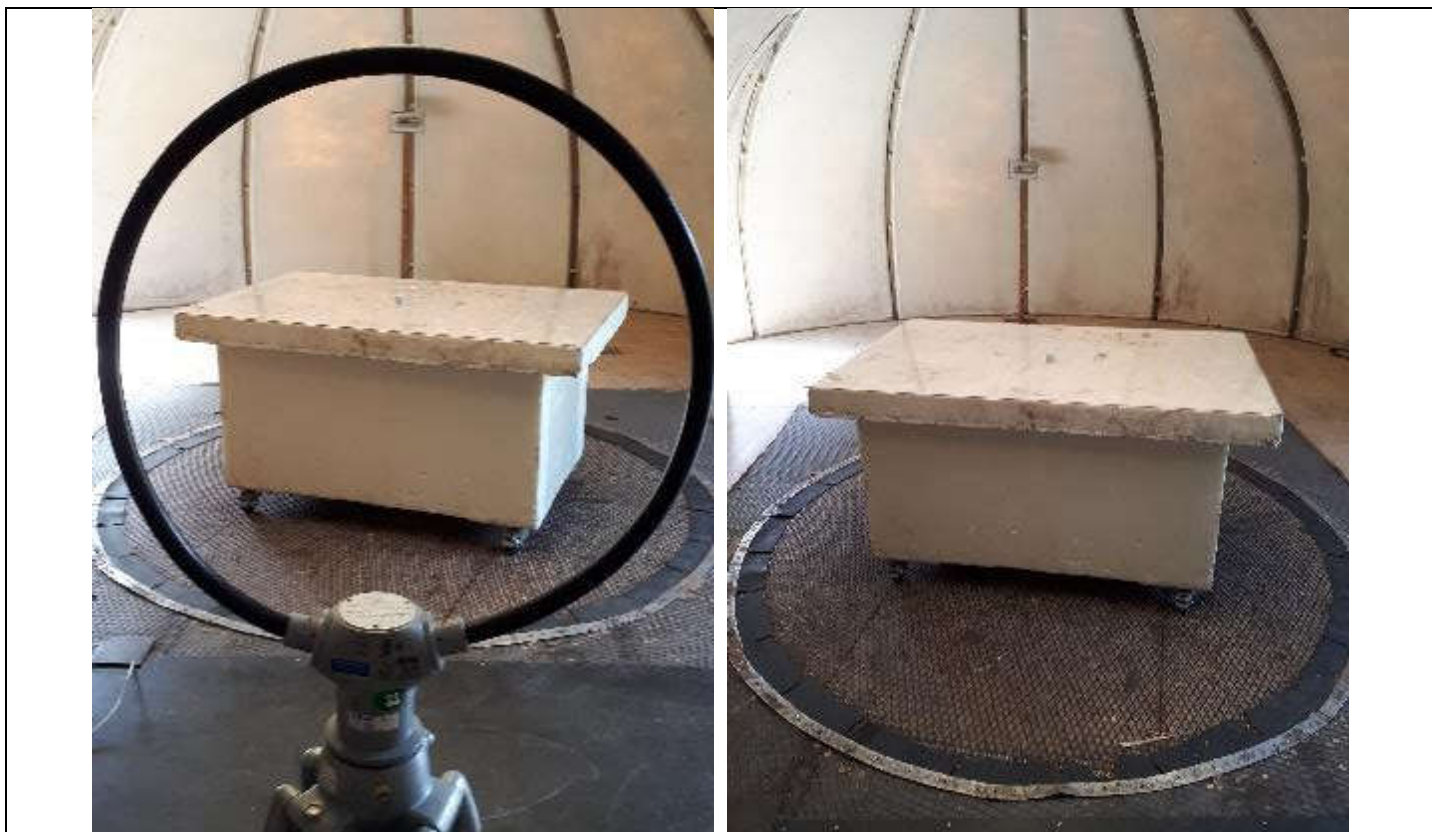
17.3. LIMIT

All Spurious Emissions must be at least 30dB below the Fundamental Radiator Level

17.4. TEST EQUIPMENT LIST

DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
Cable Conducted S36 chamber	TELEDYNE	084-0555-2MTR	A5329758	2019/02	2020/02
Attenuator 3dB Cable Spurious Conducted	-	WA54-3-12	A7122223	2019/02	2020/02
High Pass Filter 868MHz	WAINWRIGHT	WHKX12-935	A7484069	2017/10	2019/10
Multimeter	KEITHLEY	2000	A1241084	2018/12	2020/12
Power supply	KIKUSUI	PCR500M	A7049006	See Multimeter	See Multimeter
EMI receiver	ROHDE & SCHWARZ	FSV40GHz	A4060061	2019/05	2021/05

Note: In our quality system, the test equipment calibration due is more & less 2 months



Photograph for Unwanted Emission in restricted frequency bands



Photograph for Unwanted Emission in restricted frequency bands