

Annex 201:

Measurement diagrams 1-9843-25-01-05_TR1-A201-R01

Number of pages:	6	Date of Report:	2025-May-07
Testing company:	cetecom advanced GmbH Untertuerkheimer Str. 6-10 66117 Saarbruecken GERMANY	Applicant:	ABEL Delft B.V.
Product: Model:	Fill Level Sensor RAD-SEN-05A1		
FCC ID:	2BN57-RADSEN05	IC: PMN HVIN	33673-RADSEN05 SMARTSILO rad7972
Testing has been carried out in accordance with:	Title 47 CFR, Chapter I FCC Regulations, Subchapter A Subpart C: § 15.247 Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz ISED-Regulations Radio Standards Specification RSS-Gen, Issue 5 General Requirements for Compliance of Radio Apparatus RSS-247, Issue 3 Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Device		

Measurement diagrams

EUT Information for all following tests

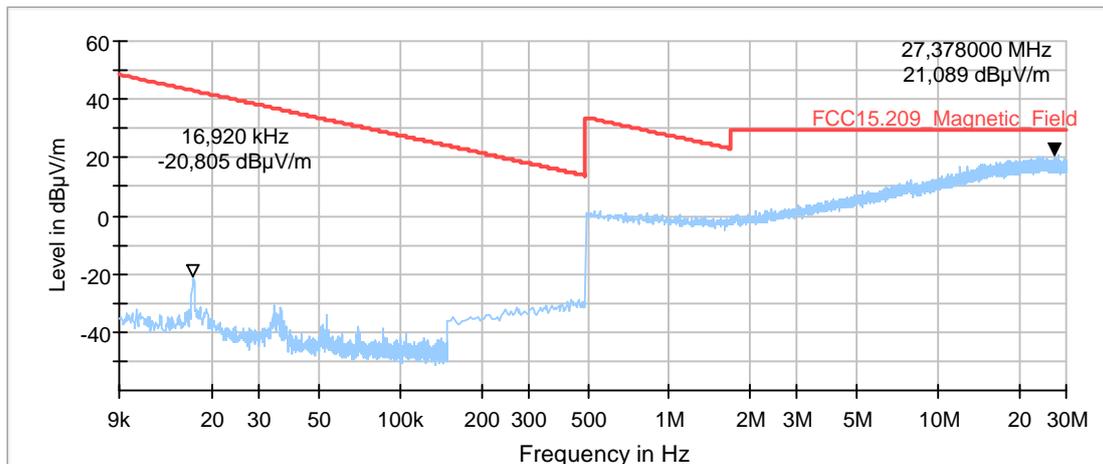
Sample number: 24-1-00147S07
Power supply: 3.6 V DC

2.01a_RSE_ch1_standing

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.60.20
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	TX
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
Verdict:	Passed

Full Spectrum

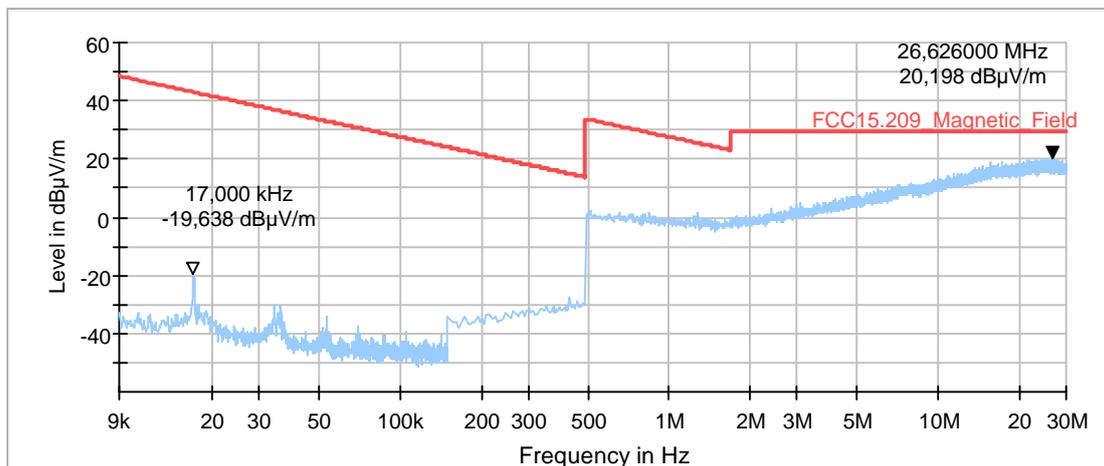


2.01b_RSE_ch1_lying

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.60.20
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	TX
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
Verdict:	Passed

Full Spectrum

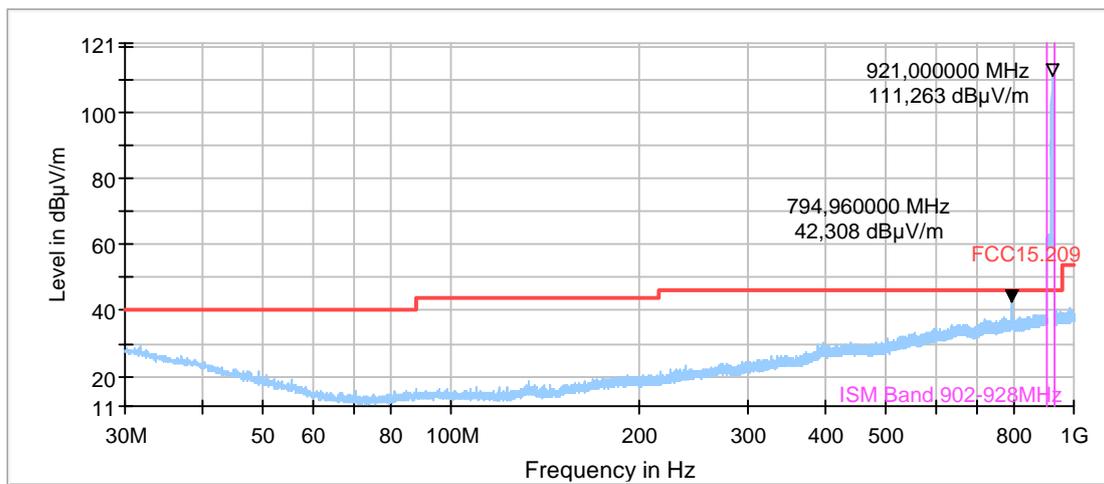


3.01a_RSE_ch1_standing

Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetecom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

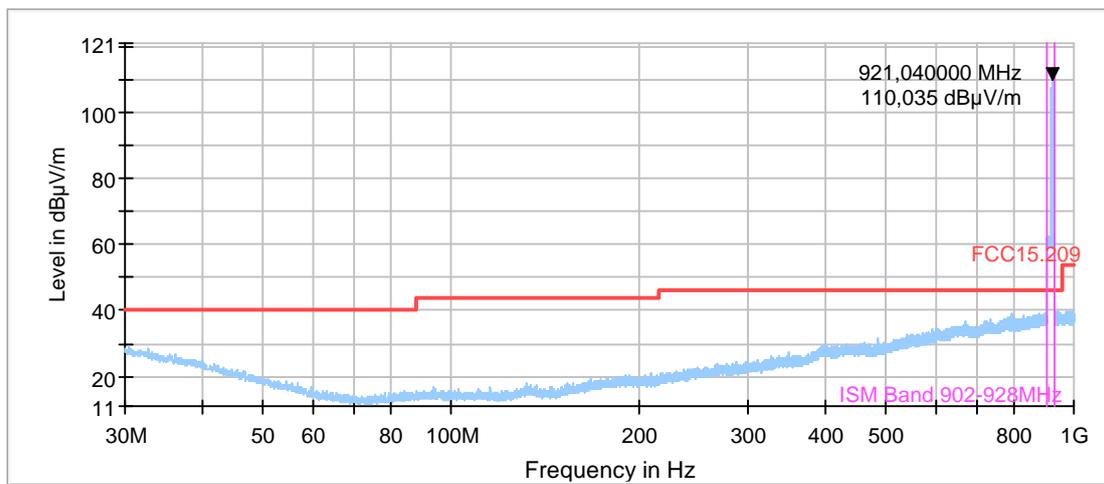
Environmental Conditions: Humidity: 41 %rH; Temperature: 21 °C
 Operator Name: TFra
 Operating Mode: TX
 Verdict: Passed



3.01b_RSE_ch1_lying

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetekom advanced GmbH (Essen)
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 41 %rH; Temperature: 21 °C
Operator Name:	TFra
Operating Mode:	TX
Verdict:	Passed

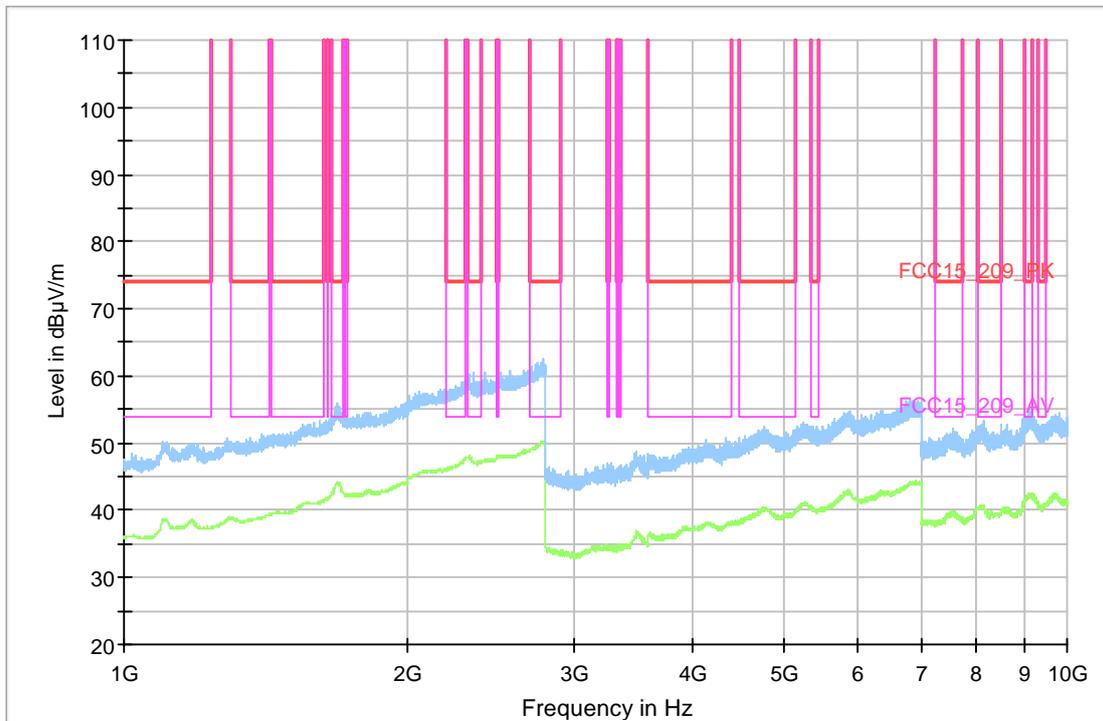


4.01_RSE_ch1

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operating Mode:	TX
Set-up no.	1
Operator:	SOz
Comment:	Channel no. 921.228MHz
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

Full Spectrum



End Of Annex 201